

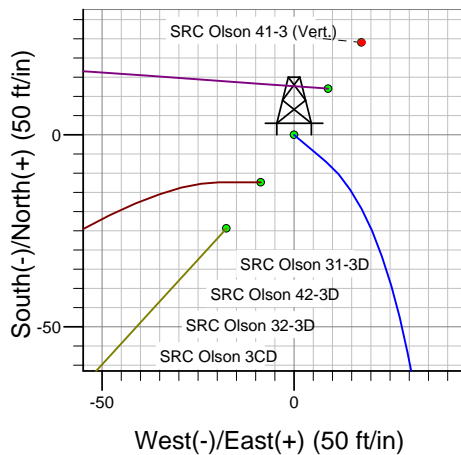
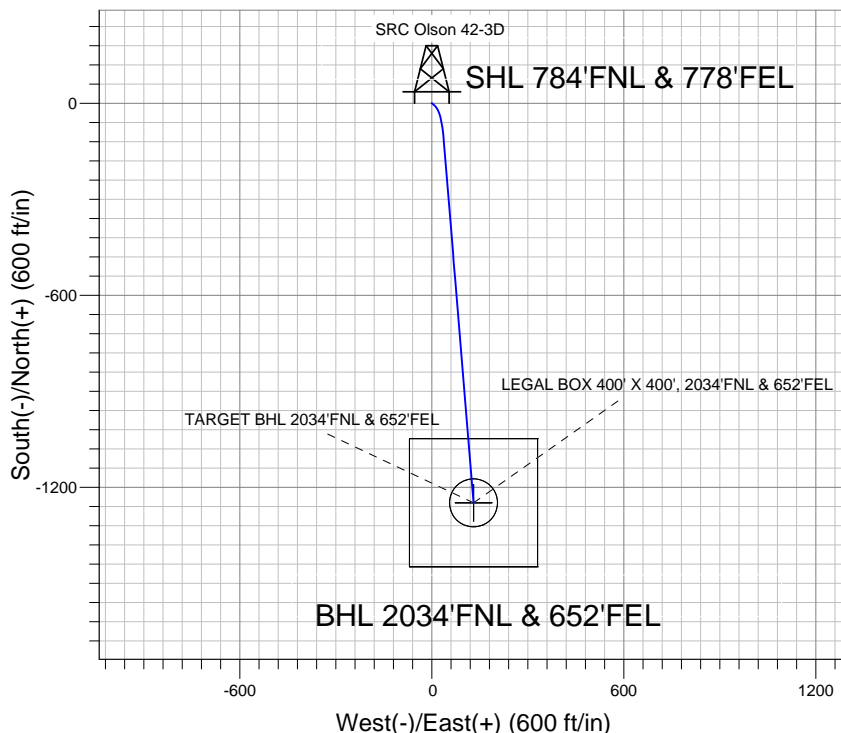
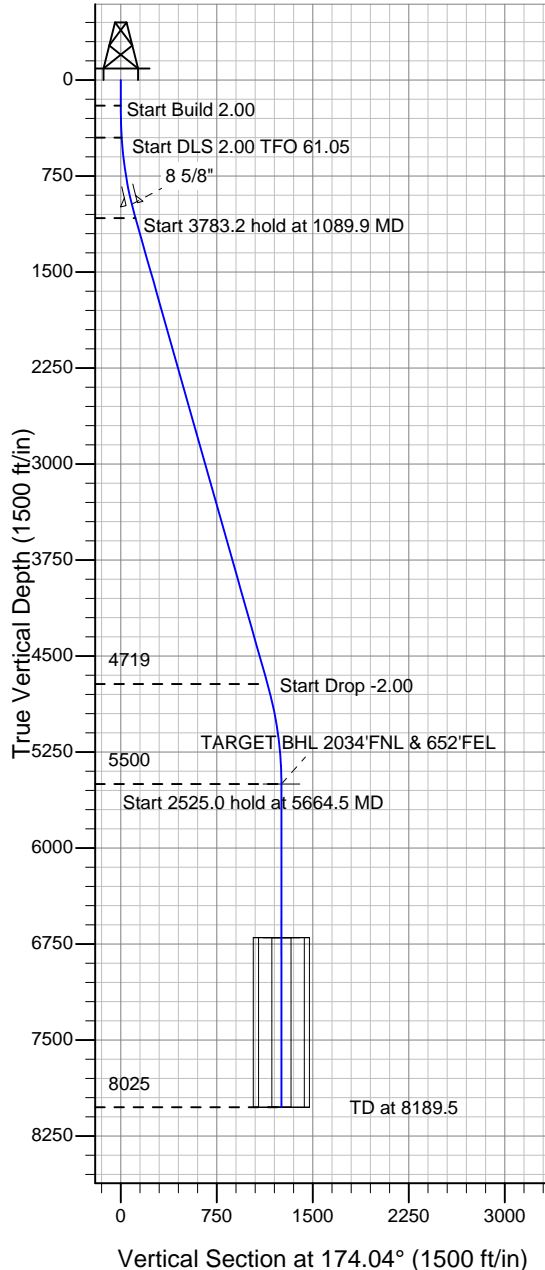
Well Name: SRC Olson 42-3D

Surface Location: SRC Olson 41-3 Pad Sec.3-T3N-R68W
North American Datum 1983 , US State Plane 1983 , Colorado Northern Zone

Ground Elevation: 5041.0

+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
0.0	0.0	1338156.65	3144381.36	40.260483	-104.982656	
Original Well Elev WELL @ 5054.0ft (Original Well Elev)						

Synergy Resources



SRC Olson 41-3 Pad Sec.3-T3N-R68W
SRC Olson 42-3D
Plan #1 (6-29-12)
10:00, July 03 2012



Azimuths to True North
Magnetic North: 8.83°

Magnetic Field
Strength: 52922.4snT
Dip Angle: 66.87°
Date: 7/2/2012
Model: IGRF2010

WELLBORE TARGET DETAILS (LAT/LONG)

Name	TVD	+N/-S	+E/-W	Latitude	Longitude	Shape
TARGET BHL 2034'FNL & 652'FEL	5500.0	-1248.8	130.3	40.257055	-104.982189	Point
LEGAL BOX 400' X 400', 2034'FNL & 652'FEL	6700.0	-1248.8	130.3	40.257055	-104.982189	Rectangle (Sides: L400.0 W400.0)
TARGET CIRCLE 2034'FNL & 652'FEL	6700.0	-1248.8	130.3	40.257055	-104.982189	Circle (Radius: 75.0)

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	200.0	0.00	0.00	200.0	0.0	0.0	0.00	0.00	0.0	
3	450.0	5.00	130.00	449.7	-7.0	8.4	2.00	130.00	7.8	
4	1089.9	15.83	175.30	1078.9	-112.3	37.0	2.00	61.05	115.6	
5	4873.2	15.83	175.30	4718.8	-1140.6	121.5	0.00	0.00	1147.0	
6	5664.5	0.00	0.00	5500.0	-1248.8	130.3	2.00	180.00	1255.6	TARGET BHL 2034'FNL & 652'FEL
7	8189.5	0.00	0.00	8025.0	-1248.8	130.3	0.00	0.00	1255.6	



Synergy Resources

SEC.3-T3N-R68W

SRC Olson 41-3 Pad Sec.3-T3N-R68W

SRC Olson 42-3D

Wellbore #1

Plan: Plan #1 (6-29-12)

Standard Planning Report

03 July, 2012

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	TFO (°)	Target
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
200.0	0.00	0.00	200.0	0.0	0.0	0.00	0.00	0.00	0.00	
450.0	5.00	130.00	449.7	-7.0	8.4	2.00	2.00	0.00	130.00	
1,089.9	15.83	175.30	1,078.9	-112.3	37.0	2.00	1.69	7.08	61.05	
4,873.2	15.83	175.30	4,718.8	-1,140.6	121.5	0.00	0.00	0.00	0.00	
5,664.5	0.00	0.00	5,500.0	-1,248.8	130.3	2.00	-2.00	0.00	180.00	TARGET BHL 2034
8,189.5	0.00	0.00	8,025.0	-1,248.8	130.3	0.00	0.00	0.00	0.00	

Database:	Landmark	Local Co-ordinate Reference:	Well SRC Olson 42-3D
Company:	Synergy Resources	TVD Reference:	WELL @ 5054.0ft (Original Well Elev)
Project:	SEC.3-T3N-R68W	MD Reference:	WELL @ 5054.0ft (Original Well Elev)
Site:	SRC Olson 41-3 Pad Sec.3-T3N-R68W	North Reference:	True
Well:	SRC Olson 42-3D	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan #1 (6-29-12)		

Planned Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
40.0	0.00	0.00	40.0	0.0	0.0	0.0	0.00	0.00	0.00
80.0	0.00	0.00	80.0	0.0	0.0	0.0	0.00	0.00	0.00
120.0	0.00	0.00	120.0	0.0	0.0	0.0	0.00	0.00	0.00
160.0	0.00	0.00	160.0	0.0	0.0	0.0	0.00	0.00	0.00
200.0	0.00	0.00	200.0	0.0	0.0	0.0	0.00	0.00	0.00
240.0	0.80	130.00	240.0	-0.2	0.2	0.2	2.00	2.00	0.00
280.0	1.60	130.00	280.0	-0.7	0.9	0.8	2.00	2.00	0.00
320.0	2.40	130.00	320.0	-1.6	1.9	1.8	2.00	2.00	0.00
360.0	3.20	130.00	359.9	-2.9	3.4	3.2	2.00	2.00	0.00
400.0	4.00	130.00	399.8	-4.5	5.3	5.0	2.00	2.00	0.00
440.0	4.80	130.00	439.7	-6.5	7.7	7.2	2.00	2.00	0.00
450.0	5.00	130.00	449.7	-7.0	8.4	7.8	2.00	2.00	0.00
480.0	5.32	135.68	479.6	-8.8	10.3	9.9	2.00	1.05	18.92
520.0	5.81	142.20	519.4	-11.8	12.9	13.0	2.00	1.23	16.30
560.0	6.36	147.65	559.1	-15.2	15.3	16.7	2.00	1.39	13.62
600.0	6.96	152.19	598.9	-19.3	17.6	21.0	2.00	1.51	11.36
640.0	7.60	156.00	638.6	-23.8	19.8	25.7	2.00	1.60	9.51
680.0	8.27	159.20	678.2	-28.9	21.9	31.0	2.00	1.67	8.02
720.0	8.96	161.93	717.7	-34.6	23.9	36.9	2.00	1.72	6.81
760.0	9.66	164.26	757.2	-40.8	25.8	43.2	2.00	1.76	5.84
800.0	10.38	166.28	796.6	-47.5	27.5	50.1	2.00	1.80	5.04
840.0	11.11	168.04	835.9	-54.8	29.2	57.5	2.00	1.82	4.39
880.0	11.85	169.58	875.1	-62.6	30.7	65.4	2.00	1.85	3.85
920.0	12.60	170.94	914.2	-70.9	32.2	73.9	2.00	1.87	3.41
960.0	13.35	172.15	953.2	-79.8	33.5	82.9	2.00	1.88	3.03
977.3	13.68	172.64	970.0	-83.8	34.0	86.9	2.00	1.89	2.79
8 5/8"									
1,000.0	14.11	173.24	992.0	-89.2	34.7	92.3	2.00	1.90	2.65
1,040.0	14.87	174.21	1,030.7	-99.2	35.8	102.4	2.00	1.90	2.44
1,080.0	15.63	175.10	1,069.3	-109.6	36.8	112.9	2.00	1.91	2.21
1,089.9	15.83	175.30	1,078.9	-112.3	37.0	115.6	2.00	1.92	2.08
1,120.0	15.83	175.30	1,107.8	-120.5	37.6	123.8	0.00	0.00	0.00
1,160.0	15.83	175.30	1,146.3	-131.4	38.5	134.7	0.00	0.00	0.00
1,200.0	15.83	175.30	1,184.8	-142.2	39.4	145.6	0.00	0.00	0.00
1,240.0	15.83	175.30	1,223.3	-153.1	40.3	156.5	0.00	0.00	0.00
1,280.0	15.83	175.30	1,261.8	-164.0	41.2	167.4	0.00	0.00	0.00
1,320.0	15.83	175.30	1,300.2	-174.9	42.1	178.3	0.00	0.00	0.00
1,360.0	15.83	175.30	1,338.7	-185.7	43.0	189.2	0.00	0.00	0.00
1,400.0	15.83	175.30	1,377.2	-196.6	43.9	200.1	0.00	0.00	0.00
1,440.0	15.83	175.30	1,415.7	-207.5	44.8	211.0	0.00	0.00	0.00
1,480.0	15.83	175.30	1,454.2	-218.3	45.7	221.9	0.00	0.00	0.00
1,520.0	15.83	175.30	1,492.7	-229.2	46.6	232.8	0.00	0.00	0.00
1,560.0	15.83	175.30	1,531.1	-240.1	47.5	243.7	0.00	0.00	0.00
1,600.0	15.83	175.30	1,569.6	-251.0	48.4	254.6	0.00	0.00	0.00
1,640.0	15.83	175.30	1,608.1	-261.8	49.3	265.5	0.00	0.00	0.00
1,680.0	15.83	175.30	1,646.6	-272.7	50.2	276.4	0.00	0.00	0.00
1,720.0	15.83	175.30	1,685.1	-283.6	51.0	287.3	0.00	0.00	0.00
1,760.0	15.83	175.30	1,723.6	-294.5	51.9	298.3	0.00	0.00	0.00
1,800.0	15.83	175.30	1,762.0	-305.3	52.8	309.2	0.00	0.00	0.00
1,840.0	15.83	175.30	1,800.5	-316.2	53.7	320.1	0.00	0.00	0.00
1,880.0	15.83	175.30	1,839.0	-327.1	54.6	331.0	0.00	0.00	0.00
1,920.0	15.83	175.30	1,877.5	-337.9	55.5	341.9	0.00	0.00	0.00
1,960.0	15.83	175.30	1,916.0	-348.8	56.4	352.8	0.00	0.00	0.00

Database:	Landmark	Local Co-ordinate Reference:	Well SRC Olson 42-3D
Company:	Synergy Resources	TVD Reference:	WELL @ 5054.0ft (Original Well Elev)
Project:	SEC.3-T3N-R68W	MD Reference:	WELL @ 5054.0ft (Original Well Elev)
Site:	SRC Olson 41-3 Pad Sec.3-T3N-R68W	North Reference:	True
Well:	SRC Olson 42-3D	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan #1 (6-29-12)		

Planned Survey										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	
2,000.0	15.83	175.30	1,954.5	-359.7	57.3	363.7	0.00	0.00	0.00	
2,040.0	15.83	175.30	1,992.9	-370.6	58.2	374.6	0.00	0.00	0.00	
2,080.0	15.83	175.30	2,031.4	-381.4	59.1	385.5	0.00	0.00	0.00	
2,120.0	15.83	175.30	2,069.9	-392.3	60.0	396.4	0.00	0.00	0.00	
2,160.0	15.83	175.30	2,108.4	-403.2	60.9	407.3	0.00	0.00	0.00	
2,200.0	15.83	175.30	2,146.9	-414.0	61.8	418.2	0.00	0.00	0.00	
2,240.0	15.83	175.30	2,185.4	-424.9	62.7	429.1	0.00	0.00	0.00	
2,280.0	15.83	175.30	2,223.9	-435.8	63.6	440.0	0.00	0.00	0.00	
2,320.0	15.83	175.30	2,262.3	-446.7	64.4	450.9	0.00	0.00	0.00	
2,360.0	15.83	175.30	2,300.8	-457.5	65.3	461.8	0.00	0.00	0.00	
2,400.0	15.83	175.30	2,339.3	-468.4	66.2	472.7	0.00	0.00	0.00	
2,440.0	15.83	175.30	2,377.8	-479.3	67.1	483.6	0.00	0.00	0.00	
2,480.0	15.83	175.30	2,416.3	-490.1	68.0	494.6	0.00	0.00	0.00	
2,520.0	15.83	175.30	2,454.8	-501.0	68.9	505.5	0.00	0.00	0.00	
2,560.0	15.83	175.30	2,493.2	-511.9	69.8	516.4	0.00	0.00	0.00	
2,600.0	15.83	175.30	2,531.7	-522.8	70.7	527.3	0.00	0.00	0.00	
2,640.0	15.83	175.30	2,570.2	-533.6	71.6	538.2	0.00	0.00	0.00	
2,680.0	15.83	175.30	2,608.7	-544.5	72.5	549.1	0.00	0.00	0.00	
2,720.0	15.83	175.30	2,647.2	-555.4	73.4	560.0	0.00	0.00	0.00	
2,760.0	15.83	175.30	2,685.7	-566.2	74.3	570.9	0.00	0.00	0.00	
2,800.0	15.83	175.30	2,724.1	-577.1	75.2	581.8	0.00	0.00	0.00	
2,840.0	15.83	175.30	2,762.6	-588.0	76.1	592.7	0.00	0.00	0.00	
2,880.0	15.83	175.30	2,801.1	-598.9	76.9	603.6	0.00	0.00	0.00	
2,920.0	15.83	175.30	2,839.6	-609.7	77.8	614.5	0.00	0.00	0.00	
2,960.0	15.83	175.30	2,878.1	-620.6	78.7	625.4	0.00	0.00	0.00	
3,000.0	15.83	175.30	2,916.6	-631.5	79.6	636.3	0.00	0.00	0.00	
3,040.0	15.83	175.30	2,955.0	-642.3	80.5	647.2	0.00	0.00	0.00	
3,080.0	15.83	175.30	2,993.5	-653.2	81.4	658.1	0.00	0.00	0.00	
3,120.0	15.83	175.30	3,032.0	-664.1	82.3	669.0	0.00	0.00	0.00	
3,160.0	15.83	175.30	3,070.5	-675.0	83.2	679.9	0.00	0.00	0.00	
3,200.0	15.83	175.30	3,109.0	-685.8	84.1	690.9	0.00	0.00	0.00	
3,240.0	15.83	175.30	3,147.5	-696.7	85.0	701.8	0.00	0.00	0.00	
3,280.0	15.83	175.30	3,185.9	-707.6	85.9	712.7	0.00	0.00	0.00	
3,320.0	15.83	175.30	3,224.4	-718.4	86.8	723.6	0.00	0.00	0.00	
3,360.0	15.83	175.30	3,262.9	-729.3	87.7	734.5	0.00	0.00	0.00	
3,400.0	15.83	175.30	3,301.4	-740.2	88.6	745.4	0.00	0.00	0.00	
3,440.0	15.83	175.30	3,339.9	-751.1	89.5	756.3	0.00	0.00	0.00	
3,480.0	15.83	175.30	3,378.4	-761.9	90.3	767.2	0.00	0.00	0.00	
3,520.0	15.83	175.30	3,416.9	-772.8	91.2	778.1	0.00	0.00	0.00	
3,560.0	15.83	175.30	3,455.3	-783.7	92.1	789.0	0.00	0.00	0.00	
3,600.0	15.83	175.30	3,493.8	-794.5	93.0	799.9	0.00	0.00	0.00	
3,640.0	15.83	175.30	3,532.3	-805.4	93.9	810.8	0.00	0.00	0.00	
3,680.0	15.83	175.30	3,570.8	-816.3	94.8	821.7	0.00	0.00	0.00	
3,720.0	15.83	175.30	3,609.3	-827.2	95.7	832.6	0.00	0.00	0.00	
3,760.0	15.83	175.30	3,647.8	-838.0	96.6	843.5	0.00	0.00	0.00	
3,800.0	15.83	175.30	3,686.2	-848.9	97.5	854.4	0.00	0.00	0.00	
3,840.0	15.83	175.30	3,724.7	-859.8	98.4	865.3	0.00	0.00	0.00	
3,880.0	15.83	175.30	3,763.2	-870.6	99.3	876.2	0.00	0.00	0.00	
3,920.0	15.83	175.30	3,801.7	-881.5	100.2	887.2	0.00	0.00	0.00	
3,960.0	15.83	175.30	3,840.2	-892.4	101.1	898.1	0.00	0.00	0.00	
4,000.0	15.83	175.30	3,878.7	-903.3	102.0	909.0	0.00	0.00	0.00	
4,040.0	15.83	175.30	3,917.1	-914.1	102.8	919.9	0.00	0.00	0.00	
4,080.0	15.83	175.30	3,955.6	-925.0	103.7	930.8	0.00	0.00	0.00	
4,120.0	15.83	175.30	3,994.1	-935.9	104.6	941.7	0.00	0.00	0.00	

Database:	Landmark	Local Co-ordinate Reference:	Well SRC Olson 42-3D
Company:	Synergy Resources	TVD Reference:	WELL @ 5054.0ft (Original Well Elev)
Project:	SEC.3-T3N-R68W	MD Reference:	WELL @ 5054.0ft (Original Well Elev)
Site:	SRC Olson 41-3 Pad Sec.3-T3N-R68W	North Reference:	True
Well:	SRC Olson 42-3D	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan #1 (6-29-12)		

Planned Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
4,160.0	15.83	175.30	4,032.6	-946.7	105.5	952.6	0.00	0.00	0.00
4,200.0	15.83	175.30	4,071.1	-957.6	106.4	963.5	0.00	0.00	0.00
4,240.0	15.83	175.30	4,109.6	-968.5	107.3	974.4	0.00	0.00	0.00
4,280.0	15.83	175.30	4,148.0	-979.4	108.2	985.3	0.00	0.00	0.00
4,320.0	15.83	175.30	4,186.5	-990.2	109.1	996.2	0.00	0.00	0.00
4,360.0	15.83	175.30	4,225.0	-1,001.1	110.0	1,007.1	0.00	0.00	0.00
4,400.0	15.83	175.30	4,263.5	-1,012.0	110.9	1,018.0	0.00	0.00	0.00
4,440.0	15.83	175.30	4,302.0	-1,022.8	111.8	1,028.9	0.00	0.00	0.00
4,480.0	15.83	175.30	4,340.5	-1,033.7	112.7	1,039.8	0.00	0.00	0.00
4,520.0	15.83	175.30	4,378.9	-1,044.6	113.6	1,050.7	0.00	0.00	0.00
4,560.0	15.83	175.30	4,417.4	-1,055.5	114.5	1,061.6	0.00	0.00	0.00
4,600.0	15.83	175.30	4,455.9	-1,066.3	115.4	1,072.5	0.00	0.00	0.00
4,640.0	15.83	175.30	4,494.4	-1,077.2	116.2	1,083.5	0.00	0.00	0.00
4,680.0	15.83	175.30	4,532.9	-1,088.1	117.1	1,094.4	0.00	0.00	0.00
4,720.0	15.83	175.30	4,571.4	-1,098.9	118.0	1,105.3	0.00	0.00	0.00
4,760.0	15.83	175.30	4,609.9	-1,109.8	118.9	1,116.2	0.00	0.00	0.00
4,800.0	15.83	175.30	4,648.3	-1,120.7	119.8	1,127.1	0.00	0.00	0.00
4,840.0	15.83	175.30	4,686.8	-1,131.6	120.7	1,138.0	0.00	0.00	0.00
4,873.2	15.83	175.30	4,718.8	-1,140.6	121.5	1,147.0	0.00	0.00	0.00
4,880.0	15.69	175.30	4,725.3	-1,142.4	121.6	1,148.9	2.00	-2.00	0.00
4,920.0	14.89	175.30	4,763.9	-1,152.9	122.5	1,159.4	2.00	-2.00	0.00
4,960.0	14.09	175.30	4,802.6	-1,162.9	123.3	1,169.4	2.00	-2.00	0.00
5,000.0	13.29	175.30	4,841.5	-1,172.3	124.1	1,178.9	2.00	-2.00	0.00
5,040.0	12.49	175.30	4,880.5	-1,181.2	124.8	1,187.8	2.00	-2.00	0.00
5,080.0	11.69	175.30	4,919.6	-1,189.6	125.5	1,196.2	2.00	-2.00	0.00
5,120.0	10.89	175.30	4,958.8	-1,197.4	126.1	1,204.0	2.00	-2.00	0.00
5,160.0	10.09	175.30	4,998.1	-1,204.7	126.7	1,211.3	2.00	-2.00	0.00
5,200.0	9.29	175.30	5,037.6	-1,211.4	127.3	1,218.0	2.00	-2.00	0.00
5,240.0	8.49	175.30	5,077.1	-1,217.5	127.8	1,224.2	2.00	-2.00	0.00
5,280.0	7.69	175.30	5,116.7	-1,223.1	128.2	1,229.8	2.00	-2.00	0.00
5,320.0	6.89	175.30	5,156.4	-1,228.2	128.7	1,234.9	2.00	-2.00	0.00
5,360.0	6.09	175.30	5,196.1	-1,232.7	129.0	1,239.4	2.00	-2.00	0.00
5,400.0	5.29	175.30	5,235.9	-1,236.6	129.3	1,243.4	2.00	-2.00	0.00
5,440.0	4.49	175.30	5,275.8	-1,240.0	129.6	1,246.8	2.00	-2.00	0.00
5,480.0	3.69	175.30	5,315.7	-1,242.9	129.9	1,249.7	2.00	-2.00	0.00
5,520.0	2.89	175.30	5,355.6	-1,245.2	130.0	1,251.9	2.00	-2.00	0.00
5,560.0	2.09	175.30	5,395.6	-1,246.9	130.2	1,253.7	2.00	-2.00	0.00
5,600.0	1.29	175.30	5,435.5	-1,248.1	130.3	1,254.9	2.00	-2.00	0.00
5,640.0	0.49	175.30	5,475.5	-1,248.7	130.3	1,255.5	2.00	-2.00	0.00
5,664.5	0.00	0.00	5,500.0	-1,248.8	130.3	1,255.6	2.00	-2.00	0.00
TARGET BHL 2034'FNL & 652'FEL									
5,680.0	0.00	0.00	5,515.5	-1,248.8	130.3	1,255.6	0.00	0.00	0.00
5,720.0	0.00	0.00	5,555.5	-1,248.8	130.3	1,255.6	0.00	0.00	0.00
5,760.0	0.00	0.00	5,595.5	-1,248.8	130.3	1,255.6	0.00	0.00	0.00
5,800.0	0.00	0.00	5,635.5	-1,248.8	130.3	1,255.6	0.00	0.00	0.00
5,840.0	0.00	0.00	5,675.5	-1,248.8	130.3	1,255.6	0.00	0.00	0.00
5,880.0	0.00	0.00	5,715.5	-1,248.8	130.3	1,255.6	0.00	0.00	0.00
5,920.0	0.00	0.00	5,755.5	-1,248.8	130.3	1,255.6	0.00	0.00	0.00
5,960.0	0.00	0.00	5,795.5	-1,248.8	130.3	1,255.6	0.00	0.00	0.00
6,000.0	0.00	0.00	5,835.5	-1,248.8	130.3	1,255.6	0.00	0.00	0.00
6,040.0	0.00	0.00	5,875.5	-1,248.8	130.3	1,255.6	0.00	0.00	0.00
6,080.0	0.00	0.00	5,915.5	-1,248.8	130.3	1,255.6	0.00	0.00	0.00
6,120.0	0.00	0.00	5,955.5	-1,248.8	130.3	1,255.6	0.00	0.00	0.00
6,160.0	0.00	0.00	5,995.5	-1,248.8	130.3	1,255.6	0.00	0.00	0.00

Database:	Landmark	Local Co-ordinate Reference:	Well SRC Olson 42-3D
Company:	Synergy Resources	TVD Reference:	WELL @ 5054.0ft (Original Well Elev)
Project:	SEC.3-T3N-R68W	MD Reference:	WELL @ 5054.0ft (Original Well Elev)
Site:	SRC Olson 41-3 Pad Sec.3-T3N-R68W	North Reference:	True
Well:	SRC Olson 42-3D	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan #1 (6-29-12)		

Planned Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
6,200.0	0.00	0.00	6,035.5	-1,248.8	130.3	1,255.6	0.00	0.00	0.00
6,240.0	0.00	0.00	6,075.5	-1,248.8	130.3	1,255.6	0.00	0.00	0.00
6,280.0	0.00	0.00	6,115.5	-1,248.8	130.3	1,255.6	0.00	0.00	0.00
6,320.0	0.00	0.00	6,155.5	-1,248.8	130.3	1,255.6	0.00	0.00	0.00
6,360.0	0.00	0.00	6,195.5	-1,248.8	130.3	1,255.6	0.00	0.00	0.00
6,400.0	0.00	0.00	6,235.5	-1,248.8	130.3	1,255.6	0.00	0.00	0.00
6,440.0	0.00	0.00	6,275.5	-1,248.8	130.3	1,255.6	0.00	0.00	0.00
6,480.0	0.00	0.00	6,315.5	-1,248.8	130.3	1,255.6	0.00	0.00	0.00
6,520.0	0.00	0.00	6,355.5	-1,248.8	130.3	1,255.6	0.00	0.00	0.00
6,560.0	0.00	0.00	6,395.5	-1,248.8	130.3	1,255.6	0.00	0.00	0.00
6,600.0	0.00	0.00	6,435.5	-1,248.8	130.3	1,255.6	0.00	0.00	0.00
6,640.0	0.00	0.00	6,475.5	-1,248.8	130.3	1,255.6	0.00	0.00	0.00
6,680.0	0.00	0.00	6,515.5	-1,248.8	130.3	1,255.6	0.00	0.00	0.00
6,720.0	0.00	0.00	6,555.5	-1,248.8	130.3	1,255.6	0.00	0.00	0.00
6,760.0	0.00	0.00	6,595.5	-1,248.8	130.3	1,255.6	0.00	0.00	0.00
6,800.0	0.00	0.00	6,635.5	-1,248.8	130.3	1,255.6	0.00	0.00	0.00
6,840.0	0.00	0.00	6,675.5	-1,248.8	130.3	1,255.6	0.00	0.00	0.00
6,864.5	0.00	0.00	6,700.0	-1,248.8	130.3	1,255.6	0.00	0.00	0.00
LEGAL BOX 400' X 400', 2034'FNL & 652'FEL - TARGET CIRCLE 2034'FNL & 652'FEL									
6,880.0	0.00	0.00	6,715.5	-1,248.8	130.3	1,255.6	0.00	0.00	0.00
6,920.0	0.00	0.00	6,755.5	-1,248.8	130.3	1,255.6	0.00	0.00	0.00
6,960.0	0.00	0.00	6,795.5	-1,248.8	130.3	1,255.6	0.00	0.00	0.00
7,000.0	0.00	0.00	6,835.5	-1,248.8	130.3	1,255.6	0.00	0.00	0.00
7,040.0	0.00	0.00	6,875.5	-1,248.8	130.3	1,255.6	0.00	0.00	0.00
7,080.0	0.00	0.00	6,915.5	-1,248.8	130.3	1,255.6	0.00	0.00	0.00
7,120.0	0.00	0.00	6,955.5	-1,248.8	130.3	1,255.6	0.00	0.00	0.00
7,160.0	0.00	0.00	6,995.5	-1,248.8	130.3	1,255.6	0.00	0.00	0.00
7,200.0	0.00	0.00	7,035.5	-1,248.8	130.3	1,255.6	0.00	0.00	0.00
7,240.0	0.00	0.00	7,075.5	-1,248.8	130.3	1,255.6	0.00	0.00	0.00
7,280.0	0.00	0.00	7,115.5	-1,248.8	130.3	1,255.6	0.00	0.00	0.00
7,320.0	0.00	0.00	7,155.5	-1,248.8	130.3	1,255.6	0.00	0.00	0.00
7,360.0	0.00	0.00	7,195.5	-1,248.8	130.3	1,255.6	0.00	0.00	0.00
7,400.0	0.00	0.00	7,235.5	-1,248.8	130.3	1,255.6	0.00	0.00	0.00
7,440.0	0.00	0.00	7,275.5	-1,248.8	130.3	1,255.6	0.00	0.00	0.00
7,480.0	0.00	0.00	7,315.5	-1,248.8	130.3	1,255.6	0.00	0.00	0.00
7,520.0	0.00	0.00	7,355.5	-1,248.8	130.3	1,255.6	0.00	0.00	0.00
7,560.0	0.00	0.00	7,395.5	-1,248.8	130.3	1,255.6	0.00	0.00	0.00
7,600.0	0.00	0.00	7,435.5	-1,248.8	130.3	1,255.6	0.00	0.00	0.00
7,640.0	0.00	0.00	7,475.5	-1,248.8	130.3	1,255.6	0.00	0.00	0.00
7,680.0	0.00	0.00	7,515.5	-1,248.8	130.3	1,255.6	0.00	0.00	0.00
7,720.0	0.00	0.00	7,555.5	-1,248.8	130.3	1,255.6	0.00	0.00	0.00
7,760.0	0.00	0.00	7,595.5	-1,248.8	130.3	1,255.6	0.00	0.00	0.00
7,800.0	0.00	0.00	7,635.5	-1,248.8	130.3	1,255.6	0.00	0.00	0.00
7,840.0	0.00	0.00	7,675.5	-1,248.8	130.3	1,255.6	0.00	0.00	0.00
7,880.0	0.00	0.00	7,715.5	-1,248.8	130.3	1,255.6	0.00	0.00	0.00
7,920.0	0.00	0.00	7,755.5	-1,248.8	130.3	1,255.6	0.00	0.00	0.00
7,960.0	0.00	0.00	7,795.5	-1,248.8	130.3	1,255.6	0.00	0.00	0.00
8,000.0	0.00	0.00	7,835.5	-1,248.8	130.3	1,255.6	0.00	0.00	0.00
8,040.0	0.00	0.00	7,875.5	-1,248.8	130.3	1,255.6	0.00	0.00	0.00
8,080.0	0.00	0.00	7,915.5	-1,248.8	130.3	1,255.6	0.00	0.00	0.00
8,120.0	0.00	0.00	7,955.5	-1,248.8	130.3	1,255.6	0.00	0.00	0.00
8,160.0	0.00	0.00	7,995.5	-1,248.8	130.3	1,255.6	0.00	0.00	0.00
8,189.5	0.00	0.00	8,025.0	-1,248.8	130.3	1,255.6	0.00	0.00	0.00

Database:	Landmark	Local Co-ordinate Reference:	Well SRC Olson 42-3D
Company:	Synergy Resources	TVD Reference:	WELL @ 5054.0ft (Original Well Elev)
Project:	SEC.3-T3N-R68W	MD Reference:	WELL @ 5054.0ft (Original Well Elev)
Site:	SRC Olson 41-3 Pad Sec.3-T3N-R68W	North Reference:	True
Well:	SRC Olson 42-3D	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan #1 (6-29-12)		

Targets									
Target Name	Dip Angle	Dip Dir.	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
- hit/miss target	(°)	(°)	(ft)	(ft)	(ft)	(ft)	(ft)		
- Shape									
LEGAL BOX 400' X 400'	0.00	0.00	6,700.0	-1,248.8	130.3	1,336,908.70	3,144,518.94	40.257055	-104.982189
- plan hits target center									
- Rectangle (sides W400.0 H400.0 D1,325.0)									
TARGET BHL 2034'F	0.00	0.00	5,500.0	-1,248.8	130.3	1,336,908.69	3,144,518.99	40.257055	-104.982189
- plan hits target center									
- Point									
TARGET CIRCLE 203'	0.00	0.00	6,700.0	-1,248.8	130.3	1,336,908.69	3,144,518.99	40.257055	-104.982189
- plan hits target center									
- Circle (radius 75.0)									

Casing Points					
Measured Depth	Vertical Depth	Name		Casing Diameter	Hole Diameter
(ft)	(ft)			(")	(")
977.3	970.0	8 5/8"		8-5/8	12-1/4



Synergy Resources

SEC.3-T3N-R68W

SRC Olson 41-3 Pad Sec.3-T3N-R68W

SRC Olson 42-3D

Wellbore #1

Plan #1 (6-29-12)

Anticollision Report

03 July, 2012

Company:	Synergy Resources	Local Co-ordinate Reference:	Well SRC Olson 42-3D
Project:	SEC.3-T3N-R68W	TVD Reference:	WELL @ 5054.0ft (Original Well Elev)
Reference Site:	SRC Olson 41-3 Pad Sec.3-T3N-R68W	MD Reference:	WELL @ 5054.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	SRC Olson 42-3D	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	Landmark
Reference Design:	Plan #1 (6-29-12)	Offset TVD Reference:	Offset Datum

Offset Design												Offset Site Error:	0.0 ft
Survey Program: 0-MWD												Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	
1,300.0	1,281.0	1,239.6	1,220.8	4.3	4.3	134.35	24.3	-164.8	289.5	282.6	6.91	41.884	
1,400.0	1,377.2	1,331.3	1,309.2	4.8	4.8	134.92	26.0	-189.0	329.3	321.6	7.67	42.931	
1,500.0	1,473.4	1,423.0	1,397.6	5.4	5.3	135.38	27.8	-213.2	369.1	360.7	8.44	43.758	
1,600.0	1,569.6	1,514.7	1,486.1	5.9	5.8	135.74	29.5	-237.3	409.0	399.8	9.21	44.409	
1,700.0	1,665.8	1,606.4	1,574.5	6.5	6.3	136.04	31.2	-261.5	448.8	438.8	9.99	44.931	
1,800.0	1,762.0	1,698.1	1,662.9	7.0	6.9	136.29	32.9	-285.7	488.7	477.9	10.77	45.357	
1,900.0	1,858.3	1,789.7	1,751.3	7.6	7.4	136.50	34.6	-309.9	528.6	517.0	11.56	45.711	
2,000.0	1,954.5	1,881.4	1,839.8	8.1	7.9	136.68	36.3	-334.1	568.5	556.1	12.36	46.008	
2,100.0	2,050.7	1,973.1	1,928.2	8.7	8.4	136.84	38.0	-358.3	608.3	595.2	13.15	46.261	
2,200.0	2,146.9	2,064.8	2,016.6	9.3	8.9	136.98	39.7	-382.4	648.2	634.3	13.95	46.478	
2,300.0	2,243.1	2,156.5	2,105.0	9.8	9.4	137.10	41.5	-406.6	688.1	673.4	14.75	46.666	
2,400.0	2,339.3	2,248.2	2,193.5	10.4	10.0	137.21	43.2	-430.8	728.0	712.5	15.55	46.830	
2,500.0	2,435.5	2,339.9	2,281.9	11.0	10.5	137.31	44.9	-455.0	767.9	751.6	16.35	46.975	
2,600.0	2,531.7	2,431.6	2,370.3	11.5	11.0	137.40	46.6	-479.2	807.8	790.7	17.15	47.103	
2,700.0	2,627.9	2,523.3	2,458.7	12.1	11.5	137.48	48.3	-503.4	847.7	829.8	17.95	47.217	
2,800.0	2,724.1	2,614.9	2,547.2	12.7	12.0	137.55	50.0	-527.6	887.6	868.9	18.76	47.319	
2,900.0	2,820.4	2,706.6	2,635.6	13.2	12.6	137.62	51.7	-551.7	927.5	908.0	19.56	47.411	
3,000.0	2,916.6	2,798.3	2,724.0	13.8	13.1	137.68	53.4	-575.9	967.4	947.1	20.37	47.494	
3,100.0	3,012.8	2,890.0	2,812.4	14.4	13.6	137.73	55.2	-600.1	1,007.3	986.2	21.18	47.570	
3,200.0	3,109.0	2,981.7	2,900.9	14.9	14.1	137.79	56.9	-624.3	1,047.2	1,025.3	21.98	47.638	
3,300.0	3,205.2	3,073.4	2,989.3	15.5	14.7	137.83	58.6	-648.5	1,087.2	1,064.4	22.79	47.701	
3,400.0	3,301.4	3,165.1	3,077.7	16.1	15.2	137.88	60.3	-672.7	1,127.1	1,103.5	23.60	47.759	
3,500.0	3,397.6	3,256.8	3,166.1	16.6	15.7	137.92	62.0	-696.8	1,167.0	1,142.6	24.41	47.812	
3,600.0	3,493.8	3,348.4	3,254.6	17.2	16.2	137.96	63.7	-721.0	1,206.9	1,181.7	25.22	47.861	
3,700.0	3,590.0	3,440.1	3,343.0	17.8	16.7	138.00	65.4	-745.2	1,246.8	1,220.8	26.03	47.906	
3,800.0	3,686.2	3,531.8	3,431.4	18.3	17.3	138.03	67.1	-769.4	1,286.7	1,259.9	26.84	47.948	
3,900.0	3,782.4	3,623.5	3,519.8	18.9	17.8	138.06	68.9	-793.6	1,326.6	1,299.0	27.65	47.987	
4,000.0	3,878.7	3,715.2	3,608.3	19.5	18.3	138.09	70.6	-817.8	1,366.5	1,338.1	28.46	48.023	
4,100.0	3,974.9	3,806.9	3,696.7	20.0	18.8	138.12	72.3	-841.9	1,406.4	1,377.2	29.27	48.057	
4,200.0	4,071.1	3,898.6	3,785.1	20.6	19.4	138.15	74.0	-866.1	1,446.3	1,416.3	30.08	48.088	
4,300.0	4,167.3	3,990.3	3,873.5	21.2	19.9	138.17	75.7	-890.3	1,486.2	1,455.4	30.89	48.118	
4,400.0	4,263.5	4,082.0	3,962.0	21.7	20.4	138.20	77.4	-914.5	1,526.2	1,494.5	31.70	48.146	
4,500.0	4,359.7	4,173.6	4,050.4	22.3	20.9	138.22	79.1	-938.7	1,566.1	1,533.6	32.51	48.172	
4,600.0	4,455.9	4,265.3	4,138.8	22.9	21.4	138.24	80.8	-962.9	1,606.0	1,572.7	33.32	48.196	
4,700.0	4,552.1	4,357.0	4,227.2	23.4	22.0	138.26	82.6	-987.1	1,645.9	1,611.8	34.13	48.219	
4,800.0	4,648.3	4,448.7	4,315.7	24.0	22.5	138.28	84.3	-1,011.2	1,685.8	1,650.9	34.95	48.241	
4,873.2	4,718.8	4,515.8	4,380.4	24.4	22.9	138.30	85.5	-1,028.9	1,715.0	1,679.5	35.54	48.256	
4,900.0	4,744.6	4,540.4	4,404.1	24.5	23.0	138.45	86.0	-1,035.4	1,725.6	1,689.8	35.79	48.221	
5,000.0	4,841.5	4,632.9	4,493.3	24.9	23.5	138.95	87.7	-1,059.8	1,763.7	1,727.1	36.63	48.155	
5,100.0	4,939.2	4,763.8	4,619.8	25.2	24.2	139.29	90.1	-1,093.3	1,798.9	1,761.4	37.50	47.968	
5,200.0	5,037.6	4,945.6	4,797.7	25.5	24.8	139.56	92.7	-1,130.7	1,827.8	1,789.4	38.36	47.650	
5,300.0	5,136.5	5,133.5	4,983.6	25.8	25.3	139.83	94.6	-1,157.5	1,849.4	1,810.4	39.08	47.320	
5,400.0	5,235.9	5,325.7	5,175.2	26.0	25.6	140.13	95.7	-1,172.3	1,863.6	1,823.9	39.66	46.990	
5,500.0	5,335.6	5,486.2	5,335.6	26.2	25.8	140.41	95.9	-1,175.0	1,870.4	1,830.3	40.06	46.689	
5,600.0	5,435.5	5,586.1	5,435.5	26.3	25.9	140.53	95.9	-1,175.0	1,873.5	1,833.1	40.34	46.446	
5,664.5	5,500.0	5,650.5	5,500.0	26.4	26.0	-44.15	95.9	-1,175.0	1,874.0	1,833.5	40.50	46.276	
5,700.0	5,535.5	5,686.1	5,535.5	26.4	26.0	-44.15	95.9	-1,175.0	1,874.0	1,833.5	40.58	46.180	
5,800.0	5,635.5	5,786.1	5,635.5	26.5	26.1	-44.15	95.9	-1,175.0	1,874.0	1,833.2	40.81	45.925	
5,900.0	5,735.5	5,886.1	5,735.5	26.5	26.2	-44.15	95.9	-1,175.0	1,874.0	1,833.0	41.03	45.670	
6,000.0	5,835.5	5,986.1	5,835.5	26.6	26.3	-44.15	95.9	-1,175.0	1,874.0	1,832.8	41.27	45.413	
6,100.0	5,935.5	6,086.1	5,935.5	26.7	26.4	-44.15	95.9	-1,175.0	1,874.0	1,832.5	41.50	45.155	
6,200.0	6,035.5	6,186.1	6,035.5	26.8	26.5	-44.15	95.9	-1,175.0	1,874.0	1,832.3	41.74	44.896	

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

Company:	Synergy Resources	Local Co-ordinate Reference:	Well SRC Olson 42-3D
Project:	SEC.3-T3N-R68W	TVD Reference:	WELL @ 5054.0ft (Original Well Elev)
Reference Site:	SRC Olson 41-3 Pad Sec.3-T3N-R68W	MD Reference:	WELL @ 5054.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	SRC Olson 42-3D	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	Landmark
Reference Design:	Plan #1 (6-29-12)	Offset TVD Reference:	Offset Datum

Offset Design SRC Olson 41-3 Pad Sec.3-T3N-R68W - SRC Olson 31-3D - Wellbore #1 - Plan #1 (6-29-12)												Offset Site Error:	0.0 ft
Survey Program: 0-MWD												Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	
6,300.0	6,135.5	6,286.1	6,135.5	26.9	26.6	-44.15	95.9	-1,175.0	1,874.0	1,832.1	41.98	44.637	
6,400.0	6,235.5	6,386.1	6,235.5	27.0	26.7	-44.15	95.9	-1,175.0	1,874.0	1,831.8	42.23	44.377	
6,500.0	6,335.5	6,486.1	6,335.5	27.1	26.9	-44.15	95.9	-1,175.0	1,874.0	1,831.6	42.48	44.116	
6,600.0	6,435.5	6,586.1	6,435.5	27.1	27.0	-44.15	95.9	-1,175.0	1,874.0	1,831.3	42.73	43.856	
6,700.0	6,535.5	6,686.1	6,535.5	27.2	27.1	-44.15	95.9	-1,175.0	1,874.0	1,831.1	42.99	43.595	
6,800.0	6,635.5	6,786.1	6,635.5	27.3	27.2	-44.15	95.9	-1,175.0	1,874.0	1,830.8	43.25	43.334	
6,900.0	6,735.5	6,886.1	6,735.5	27.4	27.3	-44.15	95.9	-1,175.0	1,874.0	1,830.5	43.51	43.073	
7,000.0	6,835.5	6,986.1	6,835.5	27.5	27.4	-44.15	95.9	-1,175.0	1,874.0	1,830.3	43.77	42.812	
7,100.0	6,935.5	7,086.1	6,935.5	27.6	27.5	-44.15	95.9	-1,175.0	1,874.0	1,830.0	44.04	42.551	
7,200.0	7,035.5	7,186.1	7,035.5	27.7	27.7	-44.15	95.9	-1,175.0	1,874.0	1,829.7	44.31	42.291	
7,300.0	7,135.5	7,286.1	7,135.5	27.8	27.8	-44.15	95.9	-1,175.0	1,874.0	1,829.5	44.59	42.031	
7,400.0	7,235.5	7,386.1	7,235.5	27.9	27.9	-44.15	95.9	-1,175.0	1,874.0	1,829.2	44.86	41.772	
7,500.0	7,335.5	7,486.1	7,335.5	28.0	28.0	-44.15	95.9	-1,175.0	1,874.0	1,828.9	45.14	41.513	
7,600.0	7,435.5	7,586.1	7,435.5	28.1	28.2	-44.15	95.9	-1,175.0	1,874.0	1,828.6	45.43	41.255	
7,700.0	7,535.5	7,686.1	7,535.5	28.2	28.3	-44.15	95.9	-1,175.0	1,874.0	1,828.3	45.71	40.998	
7,800.0	7,635.5	7,786.1	7,635.5	28.3	28.4	-44.15	95.9	-1,175.0	1,874.0	1,828.0	46.00	40.742	
7,900.0	7,735.5	7,886.1	7,735.5	28.5	28.5	-44.15	95.9	-1,175.0	1,874.0	1,827.8	46.29	40.486	
8,000.0	7,835.5	7,986.1	7,835.5	28.6	28.7	-44.15	95.9	-1,175.0	1,874.0	1,827.5	46.58	40.232	
8,100.0	7,935.5	8,086.1	7,935.5	28.7	28.8	-44.15	95.9	-1,175.0	1,874.0	1,827.2	46.88	39.979	
8,189.5	8,025.0	8,175.5	8,025.0	28.8	28.9	-44.15	95.9	-1,175.0	1,874.0	1,826.9	47.14	39.753	

Offset Design SRC Olson 41-3 Pad Sec.3-T3N-R68W - SRC Olson 32-3D - Wellbore #1 - Plan #1 (6-29-12)													Offset Site Error: 0.0 ft	
Survey Program: 0-MWD													Offset Well Error: 0.0 ft	
Reference		Offset		Semi Major Axis			Distance							
Measured Depth	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset	Highside Toolface	Offset Wellbore Centre		Between Centres	Between Ellipses	Minimum Separation	Separation Factor	Warning	
(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(°)	+N/-S (ft)	+E/-W (ft)	(ft)	(ft)	(ft)			
0.0	0.0	1.0	1.0	0.0	0.0	-145.03	-12.4	-8.7	15.1	15.1	0.00	N/A		
100.0	100.0	101.0	101.0	0.1	0.1	-145.03	-12.4	-8.7	15.1	14.9	0.23	66.495		
200.0	200.0	201.0	201.0	0.3	0.3	-145.03	-12.4	-8.7	15.1	14.4	0.68	22.312		
287.1	287.1	288.1	288.1	0.5	0.5	90.00	-12.4	-8.7	15.0	14.0	1.05	14.294 CC		
300.0	300.0	301.0	301.0	0.5	0.6	91.61	-12.4	-8.7	15.0	13.9	1.11	13.581 ES		
400.0	399.8	400.8	400.8	0.8	0.8	110.56	-12.4	-8.7	16.1	14.5	1.55	10.388		
450.0	449.7	450.7	450.7	0.9	0.9	122.40	-12.4	-8.7	17.8	16.1	1.78	10.032 SF		
500.0	499.5	500.5	500.5	1.0	1.0	124.78	-12.4	-8.7	20.4	18.4	2.00	10.175		
600.0	598.9	599.9	599.9	1.3	1.2	132.29	-12.4	-8.7	27.1	24.7	2.45	11.085		
700.0	698.0	697.8	697.8	1.6	1.4	139.05	-12.4	-10.3	38.5	35.6	2.89	13.292		
800.0	796.6	794.8	794.7	1.9	1.6	142.30	-12.4	-15.3	55.5	52.1	3.35	16.549		
900.0	894.6	891.5	891.0	2.3	1.9	143.26	-12.6	-23.4	77.1	73.3	3.83	20.127		
1,000.0	992.0	988.9	987.8	2.7	2.1	142.81	-15.0	-33.7	101.1	96.7	4.33	23.336		
1,089.9	1,078.9	1,076.4	1,074.5	3.2	2.3	141.87	-19.4	-44.8	123.9	119.1	4.83	25.642		
1,100.0	1,088.6	1,086.2	1,084.2	3.2	2.3	141.98	-20.0	-46.1	126.5	121.6	4.89	25.872		
1,200.0	1,184.8	1,183.7	1,180.4	3.7	2.6	142.19	-27.6	-60.5	152.2	146.7	5.52	27.565		
1,300.0	1,281.0	1,281.5	1,276.2	4.3	3.0	141.25	-37.9	-77.0	177.2	171.0	6.23	28.430		
1,400.0	1,377.2	1,379.3	1,371.4	4.8	3.4	139.58	-50.7	-95.4	201.9	194.8	7.04	28.684		
1,500.0	1,473.4	1,476.9	1,465.6	5.4	3.8	137.41	-66.1	-115.8	226.2	218.3	7.93	28.525		
1,600.0	1,569.6	1,574.1	1,558.5	5.9	4.3	134.91	-83.9	-138.0	250.6	241.6	8.91	28.117		
1,700.0	1,665.8	1,670.6	1,649.7	6.5	4.9	132.16	-104.2	-161.9	275.2	265.2	9.98	27.578		
1,800.0	1,762.0	1,766.3	1,739.1	7.0	5.5	129.26	-126.6	-187.5	300.4	289.3	11.11	27.029		
1,900.0	1,858.3	1,861.2	1,826.9	7.6	6.2	126.31	-151.0	-214.4	326.5	314.2	12.30	26.536		
2,000.0	1,954.5	1,956.4	1,914.6	8.1	6.9	123.71	-175.8	-241.6	353.3	339.8	13.51	26.145		
2,100.0	2,050.7	2,051.6	2,002.4	8.7	7.6	121.47	-200.6	-268.9	380.7	366.0	14.72	25.864		
2,200.0	2,146.9	2,146.7	2,090.1	9.3	8.3	119.53	-225.4	-296.1	408.6	392.7	15.92	25.664		
2,300.0	2,243.1	2,241.9	2,177.9	9.8	9.0	117.84	-250.2	-323.3	436.9	419.8	17.12	25.521		
2,400.0	2,339.3	2,337.0	2,265.6	10.4	9.8	116.35	-275.0	-350.6	465.5	447.2	18.31	25.422		
2,500.0	2,435.5	2,432.2	2,353.3	11.0	10.5	115.03	-299.8	-377.8	494.4	474.9	19.50	25.355		
2,600.0	2,531.7	2,527.3	2,441.1	11.5	11.3	113.86	-324.6	-405.0	523.4	502.7	20.68	25.312		
2,700.0	2,627.9	2,622.5	2,528.8	12.1	12.0	112.80	-349.4	-432.2	552.7	530.8	21.86	25.287		
2,800.0	2,724.1	2,717.6	2,616.6	12.7	12.8	111.86	-374.2	-459.5	582.1	559.0	23.03	25.275		
2,900.0	2,820.4	2,812.8	2,704.3	13.2	13.5	111.00	-399.0	-486.7	611.6	587.4	24.20	25.274		
3,000.0	2,916.6	2,907.9	2,792.0	13.8	14.3	110.22	-423.8	-513.9	641.3	615.9	25.37	25.280		
3,100.0	3,012.8	3,003.1	2,879.8	14.4	15.0	109.51	-448.6	-541.2	671.0	644.5	26.53	25.292		
3,200.0	3,109.0	3,098.3	2,967.5	14.9	15.8	108.86	-473.4	-568.4	700.9	673.2	27.69	25.308		
3,300.0	3,205.2	3,193.4	3,055.2	15.5	16.5	108.27	-498.2	-595.6	730.8	701.9	28.85	25.328		
3,400.0	3,301.4	3,288.6	3,143.0	16.1	17.3	107.72	-523.0	-622.9	760.7	730.7	30.01	25.350		
3,500.0	3,397.6	3,383.7	3,230.7	16.6	18.0	107.21	-547.8	-650.1	790.8	759.6	31.17	25.374		
3,600.0	3,493.8	3,478.9	3,318.5	17.2	18.8	106.74	-572.6	-677.3	820.9	788.6	32.32	25.399		
3,700.0	3,590.0	3,574.0	3,406.2	17.8	19.6	106.30	-597.4	-704.6	851.0	817.5	33.47	25.425		
3,800.0	3,686.2	3,669.2	3,493.9	18.3	20.3	105.89	-622.2	-731.8	881.2	846.6	34.62	25.451		
3,900.0	3,782.4	3,764.3	3,581.7	18.9	21.1	105.51	-647.0	-759.0	911.4	875.6	35.77	25.477		
4,000.0	3,878.7	3,859.5	3,669.4	19.5	21.8	105.15	-671.7	-786.3	941.7	904.7	36.92	25.504		
4,100.0	3,974.9	3,954.6	3,757.1	20.0	22.6	104.82	-696.5	-813.5	972.0	933.9	38.07	25.530		
4,200.0	4,071.1	4,049.8	3,844.9	20.6	23.4	104.51	-721.3	-840.7	1,002.3	963.0	39.22	25.556		
4,300.0	4,167.3	4,145.0	3,932.6	21.2	24.1	104.21	-746.1	-868.0	1,032.6	992.2	40.36	25.582		
4,400.0	4,263.5	4,240.1	4,020.4	21.7	24.9	103.93	-770.9	-895.2	1,063.0	1,021.5	41.51	25.607		
4,500.0	4,359.7	4,335.3	4,108.1	22.3	25.6	103.67	-795.7	-922.4	1,093.4	1,050.7	42.66	25.632		
4,600.0	4,455.9	4,430.4	4,195.8	22.9	26.4	103.42	-820.5	-949.7	1,123.8	1,080.0	43.80	25.657		
4,700.0	4,552.1	4,525.6	4,283.6	23.4	27.2	103.18	-845.3	-976.9	1,154.2	1,109.2	44.94	25.680		
4,800.0	4,648.3	4,620.7	4,371.3	24.0	27.9	102.96	-870.1	-1,004.1	1,184.6	1,138.5	46.09	25.704		

Company:	Synergy Resources	Local Co-ordinate Reference:	Well SRC Olson 42-3D
Project:	SEC.3-T3N-R68W	TVD Reference:	WELL @ 5054.0ft (Original Well Elev)
Reference Site:	SRC Olson 41-3 Pad Sec.3-T3N-R68W	MD Reference:	WELL @ 5054.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	SRC Olson 42-3D	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	Landmark
Reference Design:	Plan #1 (6-29-12)	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.0 ft
Survey Program: 0-MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
4,873.2	4,718.8	4,690.4	4,435.5	24.4	28.5	102.80	-888.3	-1,024.0	1,206.9	1,160.0	46.92	25.721		
4,900.0	4,744.6	4,715.9	4,459.1	24.5	28.7	102.90	-894.9	-1,031.3	1,215.0	1,167.8	47.24	25.719		
5,000.0	4,841.5	4,811.1	4,546.8	24.9	29.5	103.19	-919.7	-1,058.6	1,245.0	1,196.6	48.31	25.768		
5,100.0	4,939.2	4,906.2	4,634.5	25.2	30.2	103.31	-944.5	-1,085.8	1,274.2	1,224.8	49.32	25.832		
5,200.0	5,037.6	5,001.1	4,722.1	25.5	31.0	103.29	-969.2	-1,113.0	1,302.7	1,252.4	50.27	25.915		
5,300.0	5,136.5	5,104.0	4,817.0	25.8	31.8	103.07	-996.0	-1,142.3	1,330.6	1,279.4	51.16	26.009		
5,400.0	5,235.9	5,240.3	4,944.4	26.0	32.5	102.54	-1,028.6	-1,178.2	1,355.9	1,304.0	51.92	26.117		
5,500.0	5,335.6	5,379.9	5,077.1	26.2	33.2	101.97	-1,057.8	-1,210.3	1,377.8	1,325.2	52.57	26.208		
5,600.0	5,435.5	5,522.6	5,214.6	26.3	33.8	101.37	-1,083.1	-1,238.0	1,396.0	1,342.9	53.10	26.292		
5,664.5	5,500.0	5,616.0	5,305.7	26.4	34.2	-83.75	-1,097.2	-1,253.4	1,405.7	1,352.3	53.38	26.336		
5,700.0	5,535.5	5,667.9	5,356.6	26.4	34.3	-84.06	-1,104.1	-1,261.1	1,410.4	1,357.0	53.48	26.371		
5,800.0	5,635.5	5,816.1	5,502.7	26.5	34.8	-84.80	-1,120.5	-1,279.1	1,421.6	1,367.8	53.76	26.441		
5,900.0	5,735.5	5,966.4	5,652.0	26.5	35.1	-85.30	-1,131.9	-1,291.6	1,429.2	1,375.2	54.01	26.461		
6,000.0	5,835.5	6,118.1	5,803.4	26.6	35.3	-85.57	-1,138.0	-1,298.3	1,433.3	1,379.1	54.24	26.425		
6,100.0	5,935.5	6,251.2	5,936.5	26.7	35.4	-85.61	-1,139.1	-1,299.5	1,434.1	1,379.6	54.44	26.341		
6,200.0	6,035.5	6,351.2	6,036.5	26.8	35.5	-85.61	-1,139.1	-1,299.5	1,434.1	1,379.5	54.62	26.258		
6,300.0	6,135.5	6,451.2	6,136.5	26.9	35.6	-85.61	-1,139.1	-1,299.5	1,434.1	1,379.3	54.79	26.176		
6,400.0	6,235.5	6,551.2	6,236.5	27.0	35.6	-85.61	-1,139.1	-1,299.5	1,434.1	1,379.1	54.96	26.093		
6,500.0	6,335.5	6,651.2	6,336.5	27.1	35.7	-85.61	-1,139.1	-1,299.5	1,434.1	1,378.9	55.14	26.009		
6,600.0	6,435.5	6,751.2	6,436.5	27.1	35.8	-85.61	-1,139.1	-1,299.5	1,434.1	1,378.8	55.32	25.924		
6,700.0	6,535.5	6,851.2	6,536.5	27.2	35.9	-85.61	-1,139.1	-1,299.5	1,434.1	1,378.6	55.50	25.838		
6,800.0	6,635.5	6,951.2	6,636.5	27.3	35.9	-85.61	-1,139.1	-1,299.5	1,434.1	1,378.4	55.69	25.751		
6,900.0	6,735.5	7,051.2	6,736.5	27.4	36.0	-85.61	-1,139.1	-1,299.5	1,434.1	1,378.2	55.88	25.664		
7,000.0	6,835.5	7,151.2	6,836.5	27.5	36.1	-85.61	-1,139.1	-1,299.5	1,434.1	1,378.0	56.07	25.575		
7,100.0	6,935.5	7,251.2	6,936.5	27.6	36.2	-85.61	-1,139.1	-1,299.5	1,434.1	1,377.8	56.27	25.486		
7,200.0	7,035.5	7,351.2	7,036.5	27.7	36.3	-85.61	-1,139.1	-1,299.5	1,434.1	1,377.6	56.47	25.397		
7,300.0	7,135.5	7,451.2	7,136.5	27.8	36.4	-85.61	-1,139.1	-1,299.5	1,434.1	1,377.4	56.67	25.307		
7,400.0	7,235.5	7,551.2	7,236.5	27.9	36.4	-85.61	-1,139.1	-1,299.5	1,434.1	1,377.2	56.87	25.216		
7,500.0	7,335.5	7,651.2	7,336.5	28.0	36.5	-85.61	-1,139.1	-1,299.5	1,434.1	1,377.0	57.08	25.124		
7,600.0	7,435.5	7,751.2	7,436.5	28.1	36.6	-85.61	-1,139.1	-1,299.5	1,434.1	1,376.8	57.29	25.032		
7,700.0	7,535.5	7,851.2	7,536.5	28.2	36.7	-85.61	-1,139.1	-1,299.5	1,434.1	1,376.6	57.50	24.940		
7,800.0	7,635.5	7,951.2	7,636.5	28.3	36.8	-85.61	-1,139.1	-1,299.5	1,434.1	1,376.4	57.72	24.847		
7,900.0	7,735.5	8,051.2	7,736.5	28.5	36.9	-85.61	-1,139.1	-1,299.5	1,434.1	1,376.1	57.94	24.753		
8,000.0	7,835.5	8,151.2	7,836.5	28.6	37.0	-85.61	-1,139.1	-1,299.5	1,434.1	1,375.9	58.16	24.659		
8,100.0	7,935.5	8,251.2	7,936.5	28.7	37.1	-85.61	-1,139.1	-1,299.5	1,434.1	1,375.7	58.38	24.565		
8,159.3	7,994.8	8,310.5	7,995.8	28.7	37.1	-85.61	-1,139.1	-1,299.5	1,434.1	1,375.6	58.51	24.509		
8,189.5	8,025.0	8,339.6	8,025.0	28.8	37.2	-85.61	-1,139.1	-1,299.5	1,434.1	1,375.5	58.58	24.481		

Company:	Synergy Resources	Local Co-ordinate Reference:	Well SRC Olson 42-3D
Project:	SEC.3-T3N-R68W	TVD Reference:	WELL @ 5054.0ft (Original Well Elev)
Reference Site:	SRC Olson 41-3 Pad Sec.3-T3N-R68W	MD Reference:	WELL @ 5054.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	SRC Olson 42-3D	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	Landmark
Reference Design:	Plan #1 (6-29-12)	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.0 ft
Survey Program: 0-MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.0	0.0	1.0	1.0	0.0	0.0	-144.22	-24.4	-17.6	30.1	30.1	0.00	N/A		
100.0	100.0	101.0	101.0	0.1	0.1	-144.22	-24.4	-17.6	30.1	29.8	0.23	132.483		
166.3	166.3	167.3	167.3	0.3	0.3	-144.22	-24.4	-17.6	30.1	29.6	0.53	57.266 CC		
200.0	200.0	201.0	201.0	0.3	0.3	-144.22	-24.4	-17.6	30.1	29.4	0.68	44.469 ES		
300.0	300.0	300.0	300.0	0.5	0.5	89.23	-25.7	-18.8	31.8	30.7	1.09	29.202		
400.0	399.8	398.4	398.3	0.8	0.8	97.52	-29.5	-22.2	37.3	35.8	1.51	24.626		
450.0	449.7	447.4	447.1	0.9	0.9	102.21	-32.3	-24.8	41.8	40.1	1.75	23.885		
500.0	499.5	496.3	495.8	1.0	1.0	97.54	-35.7	-27.9	47.2	45.3	1.98	23.858		
600.0	598.9	593.6	592.3	1.3	1.3	91.77	-44.3	-35.8	59.5	57.0	2.47	24.053		
700.0	698.0	690.3	687.9	1.6	1.6	89.13	-55.3	-45.8	73.5	70.5	3.03	24.291		
800.0	796.6	788.5	784.6	1.9	2.0	88.63	-68.0	-57.5	88.4	84.8	3.65	24.209		
900.0	894.6	887.1	881.6	2.3	2.3	90.04	-80.8	-69.2	102.6	98.2	4.35	23.581		
1,000.0	992.0	985.5	978.5	2.7	2.7	92.73	-93.5	-80.9	116.5	111.4	5.13	22.730		
1,089.9	1,078.9	1,073.7	1,065.4	3.2	3.1	95.91	-105.0	-91.3	129.4	123.5	5.89	21.975		
1,100.0	1,088.6	1,083.6	1,075.1	3.2	3.1	96.52	-106.3	-92.5	130.8	124.8	5.97	21.898		
1,200.0	1,184.8	1,181.6	1,171.5	3.7	3.5	101.89	-119.0	-104.2	146.2	139.3	6.85	21.340		
1,300.0	1,281.0	1,279.5	1,268.0	4.3	3.9	106.22	-131.7	-115.8	162.5	154.8	7.72	21.044		
1,400.0	1,377.2	1,377.5	1,364.4	4.8	4.3	109.75	-144.4	-127.4	179.6	171.0	8.59	20.908		
1,500.0	1,473.4	1,475.5	1,460.9	5.4	4.7	112.67	-157.1	-139.1	197.3	187.8	9.45	20.868		
1,600.0	1,569.6	1,573.5	1,557.3	5.9	5.1	115.10	-169.9	-150.7	215.4	205.1	10.31	20.886		
1,700.0	1,665.8	1,671.4	1,653.7	6.5	5.5	117.16	-182.6	-162.3	233.8	222.6	11.16	20.932		
1,800.0	1,762.0	1,769.4	1,750.2	7.0	5.9	118.92	-195.3	-174.0	252.4	240.4	12.01	21.011		
1,900.0	1,858.3	1,867.4	1,846.6	7.6	6.3	120.43	-208.0	-185.6	271.3	258.4	12.86	21.095		
2,000.0	1,954.5	1,965.3	1,943.1	8.1	6.7	121.75	-220.7	-197.2	290.3	276.6	13.70	21.184		
2,100.0	2,050.7	2,063.3	2,039.5	8.7	7.1	122.91	-233.4	-208.9	309.4	294.9	14.54	21.276		
2,200.0	2,146.9	2,161.3	2,136.0	9.3	7.5	123.93	-246.1	-220.5	328.6	313.3	15.38	21.367		
2,300.0	2,243.1	2,259.3	2,232.4	9.8	7.9	124.84	-258.8	-232.1	348.0	331.8	16.22	21.457		
2,400.0	2,339.3	2,357.2	2,328.9	10.4	8.3	125.65	-271.6	-243.8	367.4	350.3	17.05	21.544		
2,500.0	2,435.5	2,455.2	2,425.3	11.0	8.7	126.38	-284.3	-255.4	386.9	369.0	17.89	21.627		
2,600.0	2,531.7	2,553.2	2,521.7	11.5	9.1	127.04	-297.0	-267.0	406.4	387.7	18.72	21.708		
2,700.0	2,627.9	2,651.1	2,618.2	12.1	9.5	127.64	-309.7	-278.7	426.0	406.4	19.55	21.785		
2,800.0	2,724.1	2,749.1	2,714.6	12.7	9.9	128.19	-322.4	-290.3	445.6	425.2	20.39	21.858		
2,900.0	2,820.4	2,847.1	2,811.1	13.2	10.3	128.69	-335.1	-301.9	465.2	444.0	21.22	21.928		
3,000.0	2,916.6	2,945.1	2,907.5	13.8	10.7	129.16	-347.8	-313.6	484.9	462.9	22.05	21.995		
3,100.0	3,012.8	3,043.0	3,004.0	14.4	11.1	129.58	-360.6	-325.2	504.6	481.8	22.88	22.058		
3,200.0	3,109.0	3,141.0	3,100.4	14.9	11.5	129.97	-373.3	-336.9	524.4	500.7	23.71	22.119		
3,300.0	3,205.2	3,239.0	3,196.8	15.5	11.9	130.34	-386.0	-348.5	544.1	519.6	24.54	22.176		
3,400.0	3,301.4	3,336.9	3,293.3	16.1	12.3	130.68	-398.7	-360.1	563.9	538.6	25.37	22.231		
3,500.0	3,397.6	3,434.9	3,389.7	16.6	12.7	130.99	-411.4	-371.8	583.7	557.5	26.20	22.284		
3,600.0	3,493.8	3,532.9	3,486.2	17.2	13.1	131.29	-424.1	-383.4	603.5	576.5	27.02	22.334		
3,700.0	3,590.0	3,630.9	3,582.6	17.8	13.5	131.57	-436.8	-395.0	623.4	595.5	27.85	22.381		
3,800.0	3,686.2	3,728.8	3,679.1	18.3	13.9	131.83	-449.6	-406.7	643.2	614.5	28.68	22.427		
3,900.0	3,782.4	3,826.8	3,775.5	18.9	14.3	132.07	-462.3	-418.3	663.1	633.6	29.51	22.470		
4,000.0	3,878.7	3,924.8	3,871.9	19.5	14.7	132.30	-475.0	-429.9	682.9	652.6	30.34	22.512		
4,100.0	3,974.9	4,022.7	3,968.4	20.0	15.1	132.52	-487.7	-441.6	702.8	671.6	31.16	22.552		
4,200.0	4,071.1	4,120.7	4,064.8	20.6	15.5	132.72	-500.4	-453.2	722.7	690.7	31.99	22.590		
4,300.0	4,167.3	4,218.7	4,161.3	21.2	15.9	132.92	-513.1	-464.8	742.6	709.8	32.82	22.627		
4,400.0	4,263.5	4,316.7	4,257.7	21.7	16.3	133.10	-525.8	-476.5	762.5	728.8	33.65	22.662		
4,500.0	4,359.7	4,414.6	4,354.2	22.3	16.7	133.28	-538.5	-488.1	782.4	747.9	34.47	22.695		
4,600.0	4,455.9	4,513.3	4,451.4	22.9	17.0	133.48	-551.0	-499.5	802.3	767.0	35.25	22.762		
4,700.0	4,552.1	4,612.3	4,549.4	23.4	17.3	133.90	-561.1	-508.8	822.1	786.2	35.88	22.914		
4,800.0	4,648.3	4,710.8	4,647.4	24.0	17.5	134.53	-568.8	-515.8	841.8	805.3	36.43	23.109		

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

Company:	Synergy Resources	Local Co-ordinate Reference:	Well SRC Olson 42-3D
Project:	SEC.3-T3N-R68W	TVD Reference:	WELL @ 5054.0ft (Original Well Elev)
Reference Site:	SRC Olson 41-3 Pad Sec.3-T3N-R68W	MD Reference:	WELL @ 5054.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	SRC Olson 42-3D	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	Landmark
Reference Design:	Plan #1 (6-29-12)	Offset TVD Reference:	Offset Datum

Offset Design												Offset Site Error:	0.0 ft
Survey Program: 0-MWD												Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	
4,873.2	4,718.8	4,782.5	4,718.9	24.4	17.6	135.12	-572.8	-519.4	856.2	819.5	36.78	23.280	
4,900.0	4,744.6	4,808.7	4,745.0	24.5	17.7	135.42	-573.9	-520.5	861.5	824.6	36.89	23.352	
5,000.0	4,841.5	4,906.3	4,842.5	24.9	17.8	136.56	-576.6	-522.9	879.5	842.3	37.19	23.650	
5,100.0	4,939.2	5,003.9	4,940.2	25.2	17.9	137.66	-577.0	-523.3	895.3	857.8	37.43	23.920	
5,200.0	5,037.6	5,102.3	5,038.6	25.5	18.0	138.60	-577.0	-523.3	908.6	871.0	37.64	24.142	
5,300.0	5,136.5	5,201.3	5,137.5	25.8	18.1	139.33	-577.0	-523.3	919.6	881.7	37.84	24.300	
5,400.0	5,235.9	5,300.7	5,236.9	26.0	18.3	139.88	-577.0	-523.3	927.9	889.9	38.04	24.394	
5,500.0	5,335.6	5,400.4	5,336.6	26.2	18.4	140.25	-577.0	-523.3	933.7	895.4	38.23	24.423	
5,600.0	5,435.5	5,500.3	5,436.5	26.3	18.5	140.44	-577.0	-523.3	936.8	898.3	38.41	24.388	
5,664.5	5,500.0	5,564.8	5,501.0	26.4	18.6	-44.22	-577.0	-523.3	937.3	898.8	38.53	24.325	
5,700.0	5,535.5	5,600.3	5,536.5	26.4	18.6	-44.22	-577.0	-523.3	937.3	898.7	38.62	24.271	
5,800.0	5,635.5	5,700.3	5,636.5	26.5	18.7	-44.22	-577.0	-523.3	937.3	898.5	38.84	24.130	
5,900.0	5,735.5	5,800.3	5,736.5	26.5	18.9	-44.22	-577.0	-523.3	937.3	898.2	39.07	23.988	
6,000.0	5,835.5	5,900.3	5,836.5	26.6	19.0	-44.22	-577.0	-523.3	937.3	898.0	39.31	23.846	
6,100.0	5,935.5	6,000.3	5,936.5	26.7	19.1	-44.22	-577.0	-523.3	937.3	897.8	39.54	23.703	
6,200.0	6,035.5	6,100.3	6,036.5	26.8	19.2	-44.22	-577.0	-523.3	937.3	897.5	39.79	23.559	
6,300.0	6,135.5	6,200.3	6,136.5	26.9	19.4	-44.22	-577.0	-523.3	937.3	897.3	40.03	23.415	
6,400.0	6,235.5	6,300.3	6,236.5	27.0	19.5	-44.22	-577.0	-523.3	937.3	897.0	40.28	23.271	
6,500.0	6,335.5	6,400.3	6,336.5	27.1	19.6	-44.22	-577.0	-523.3	937.3	896.8	40.53	23.127	
6,600.0	6,435.5	6,500.3	6,436.5	27.1	19.8	-44.22	-577.0	-523.3	937.3	896.5	40.78	22.982	
6,700.0	6,535.5	6,600.3	6,536.5	27.2	19.9	-44.22	-577.0	-523.3	937.3	896.3	41.04	22.837	
6,800.0	6,635.5	6,700.3	6,636.5	27.3	20.0	-44.22	-577.0	-523.3	937.3	896.0	41.30	22.693	
6,900.0	6,735.5	6,800.3	6,736.5	27.4	20.2	-44.22	-577.0	-523.3	937.3	895.7	41.57	22.548	
7,000.0	6,835.5	6,900.3	6,836.5	27.5	20.3	-44.22	-577.0	-523.3	937.3	895.5	41.84	22.404	
7,100.0	6,935.5	7,000.3	6,936.5	27.6	20.5	-44.22	-577.0	-523.3	937.3	895.2	42.11	22.260	
7,200.0	7,035.5	7,100.3	7,036.5	27.7	20.6	-44.22	-577.0	-523.3	937.3	894.9	42.38	22.116	
7,300.0	7,135.5	7,200.3	7,136.5	27.8	20.8	-44.22	-577.0	-523.3	937.3	894.7	42.66	21.972	
7,400.0	7,235.5	7,300.3	7,236.5	27.9	20.9	-44.22	-577.0	-523.3	937.3	894.4	42.94	21.829	
7,500.0	7,335.5	7,400.3	7,336.5	28.0	21.1	-44.22	-577.0	-523.3	937.3	894.1	43.22	21.686	
7,600.0	7,435.5	7,500.3	7,436.5	28.1	21.2	-44.22	-577.0	-523.3	937.3	893.8	43.51	21.544	
7,700.0	7,535.5	7,600.3	7,536.5	28.2	21.4	-44.22	-577.0	-523.3	937.3	893.5	43.79	21.402	
7,800.0	7,635.5	7,700.3	7,636.5	28.3	21.5	-44.22	-577.0	-523.3	937.3	893.2	44.09	21.261	
7,900.0	7,735.5	7,800.3	7,736.5	28.5	21.7	-44.22	-577.0	-523.3	937.3	892.9	44.38	21.121	
8,000.0	7,835.5	7,900.3	7,836.5	28.6	21.8	-44.22	-577.0	-523.3	937.3	892.6	44.68	20.981	
8,100.0	7,935.5	8,000.3	7,936.5	28.7	22.0	-44.22	-577.0	-523.3	937.3	892.3	44.97	20.841	
8,159.3	7,994.8	8,059.6	7,995.8	28.7	22.1	-44.22	-577.0	-523.3	937.3	892.2	45.15	20.759	
8,189.5	8,025.0	8,088.8	8,025.0	28.8	22.1	-44.22	-577.0	-523.3	937.3	892.1	45.24	20.718 SF	

Company:	Synergy Resources	Local Co-ordinate Reference:	Well SRC Olson 42-3D
Project:	SEC.3-T3N-R68W	TVD Reference:	WELL @ 5054.0ft (Original Well Elev)
Reference Site:	SRC Olson 41-3 Pad Sec.3-T3N-R68W	MD Reference:	WELL @ 5054.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	SRC Olson 42-3D	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	Landmark
Reference Design:	Plan #1 (6-29-12)	Offset TVD Reference:	Offset Datum

Offset Design SRC Olson 41-3 Pad Sec.3-T3N-R68W - SRC Olson 41-3 (Vert.) - Wellbore #1 - Plan #1 (6-29-12)													Offset Site Error:	0.0 ft
Survey Program: 0-MWD													Offset Well Error:	0.0 ft
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	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	
0.0	0.0	0.0	0.0	0.0	0.0	36.16	24.1	17.6	29.8					
100.0	100.0	100.0	100.0	0.1	0.1	36.16	24.1	17.6	29.8	29.6	0.22	132.570		
200.0	200.0	200.0	200.0	0.3	0.3	36.16	24.1	17.6	29.8	29.1	0.67	44.190 CC		
300.0	300.0	300.0	300.0	0.5	0.6	-97.16	24.1	17.6	30.0	28.9	1.11	27.103 ES		
400.0	399.8	399.8	399.8	0.8	0.8	-106.75	24.1	17.6	31.1	29.5	1.54	20.107		
450.0	449.7	449.7	449.7	0.9	0.9	-113.37	24.1	17.6	32.4	30.6	1.78	18.256		
500.0	499.5	499.5	499.5	1.0	1.0	-129.06	24.1	17.6	34.8	32.8	2.01	17.339 SF		
600.0	598.9	598.9	598.9	1.3	1.2	-152.04	24.1	17.6	43.3	40.8	2.47	17.567		
700.0	698.0	698.0	698.0	1.6	1.5	-165.93	24.1	17.6	56.0	53.1	2.92	19.189		
800.0	796.6	796.6	796.6	1.9	1.7	-174.11	24.1	17.6	72.2	68.9	3.37	21.453		
900.0	894.6	894.6	894.6	2.3	1.9	-178.95	24.1	17.6	91.8	88.0	3.82	24.044		
1,000.0	992.0	992.0	992.0	2.7	2.1	178.12	24.1	17.6	114.6	110.3	4.27	26.827		
1,089.9	1,078.9	1,078.9	1,078.9	3.2	2.3	176.47	24.1	17.6	137.8	133.1	4.68	29.436		
1,100.0	1,088.6	1,088.6	1,088.6	3.2	2.3	176.54	24.1	17.6	140.5	135.8	4.73	29.722		
1,200.0	1,184.8	1,184.8	1,184.8	3.7	2.6	177.10	24.1	17.6	167.7	162.5	5.20	32.257		
1,300.0	1,281.0	1,281.0	1,281.0	4.3	2.8	177.51	24.1	17.6	195.0	189.3	5.68	34.334		
1,400.0	1,377.2	1,377.2	1,377.2	4.8	3.0	177.81	24.1	17.6	222.2	216.1	6.16	36.062		
1,500.0	1,473.4	1,473.4	1,473.4	5.4	3.2	178.05	24.1	17.6	249.5	242.8	6.65	37.519		
1,600.0	1,569.6	1,569.6	1,569.6	5.9	3.4	178.24	24.1	17.6	276.7	269.6	7.14	38.763		
1,700.0	1,665.8	1,665.8	1,665.8	6.5	3.6	178.40	24.1	17.6	304.0	296.4	7.63	39.836		
1,800.0	1,762.0	1,762.0	1,762.0	7.0	3.8	178.53	24.1	17.6	331.3	323.1	8.12	40.771		
1,900.0	1,858.3	1,858.3	1,858.3	7.6	4.1	178.64	24.1	17.6	358.5	349.9	8.62	41.591		
2,000.0	1,954.5	1,954.5	1,954.5	8.1	4.3	178.74	24.1	17.6	385.8	376.7	9.12	42.317		
2,100.0	2,050.7	2,050.7	2,050.7	8.7	4.5	178.82	24.1	17.6	413.1	403.4	9.61	42.963		
2,200.0	2,146.9	2,146.9	2,146.9	9.3	4.7	178.90	24.1	17.6	440.3	430.2	10.11	43.542		
2,300.0	2,243.1	2,243.1	2,243.1	9.8	4.9	178.96	24.1	17.6	467.6	457.0	10.61	44.064		
2,400.0	2,339.3	2,339.3	2,339.3	10.4	5.1	179.02	24.1	17.6	494.8	483.7	11.11	44.536		
2,500.0	2,435.5	2,435.5	2,435.5	11.0	5.4	179.07	24.1	17.6	522.1	510.5	11.61	44.965		
2,600.0	2,531.7	2,531.7	2,531.7	11.5	5.6	179.12	24.1	17.6	549.4	537.3	12.11	45.357		
2,700.0	2,627.9	2,627.9	2,627.9	12.1	5.8	179.16	24.1	17.6	576.7	564.0	12.61	45.716		
2,800.0	2,724.1	2,724.1	2,724.1	12.7	6.0	179.20	24.1	17.6	603.9	590.8	13.12	46.046		
2,900.0	2,820.4	2,820.4	2,820.4	13.2	6.2	179.23	24.1	17.6	631.2	617.6	13.62	46.351		
3,000.0	2,916.6	2,916.6	2,916.6	13.8	6.4	179.26	24.1	17.6	658.5	644.3	14.12	46.633		
3,100.0	3,012.8	3,012.8	3,012.8	14.4	6.7	179.29	24.1	17.6	685.7	671.1	14.62	46.895		
3,200.0	3,109.0	3,109.0	3,109.0	14.9	6.9	179.32	24.1	17.6	713.0	697.9	15.13	47.138		
3,300.0	3,205.2	3,205.2	3,205.2	15.5	7.1	179.34	24.1	17.6	740.3	724.6	15.63	47.365		
3,400.0	3,301.4	3,301.4	3,301.4	16.1	7.3	179.37	24.1	17.6	767.5	751.4	16.13	47.577		
3,500.0	3,397.6	3,397.6	3,397.6	16.6	7.5	179.39	24.1	17.6	794.8	778.2	16.64	47.775		
3,600.0	3,493.8	3,493.8	3,493.8	17.2	7.7	179.41	24.1	17.6	822.1	804.9	17.14	47.962		
3,700.0	3,590.0	3,590.0	3,590.0	17.8	8.0	179.43	24.1	17.6	849.3	831.7	17.64	48.137		
3,800.0	3,686.2	3,686.2	3,686.2	18.3	8.2	179.45	24.1	17.6	876.6	858.5	18.15	48.302		
3,900.0	3,782.4	3,782.4	3,782.4	18.9	8.4	179.46	24.1	17.6	903.9	885.2	18.65	48.457		
4,000.0	3,878.7	3,878.7	3,878.7	19.5	8.6	179.48	24.1	17.6	931.1	912.0	19.16	48.604		
4,100.0	3,974.9	3,974.9	3,974.9	20.0	8.8	179.49	24.1	17.6	958.4	938.8	19.66	48.743		
4,200.0	4,071.1	4,071.1	4,071.1	20.6	9.0	179.51	24.1	17.6	985.7	965.5	20.17	48.874		
4,300.0	4,167.3	4,167.3	4,167.3	21.2	9.3	179.52	24.1	17.6	1,013.0	992.3	20.67	48.999		
4,400.0	4,263.5	4,263.5	4,263.5	21.7	9.5	179.53	24.1	17.6	1,040.2	1,019.0	21.18	49.118		
4,500.0	4,359.7	4,359.7	4,359.7	22.3	9.7	179.54	24.1	17.6	1,067.5	1,045.8	21.68	49.230		
4,600.0	4,455.9	4,455.9	4,455.9	22.9	9.9	179.56	24.1	17.6	1,094.8	1,072.6	22.19	49.337		
4,700.0	4,552.1	4,552.1	4,552.1	23.4	10.1	179.57	24.1	17.6	1,122.0	1,099.3	22.70	49.440		
4,800.0	4,648.3	4,648.3	4,648.3	24.0	10.3	179.58	24.1	17.6	1,149.3	1,126.1	23.20	49.537		
4,873.2	4,718.8	4,718.8	4,718.8	24.4	10.5	179.58	24.1	17.6	1,169.3	1,145.7	23.57	49.605		

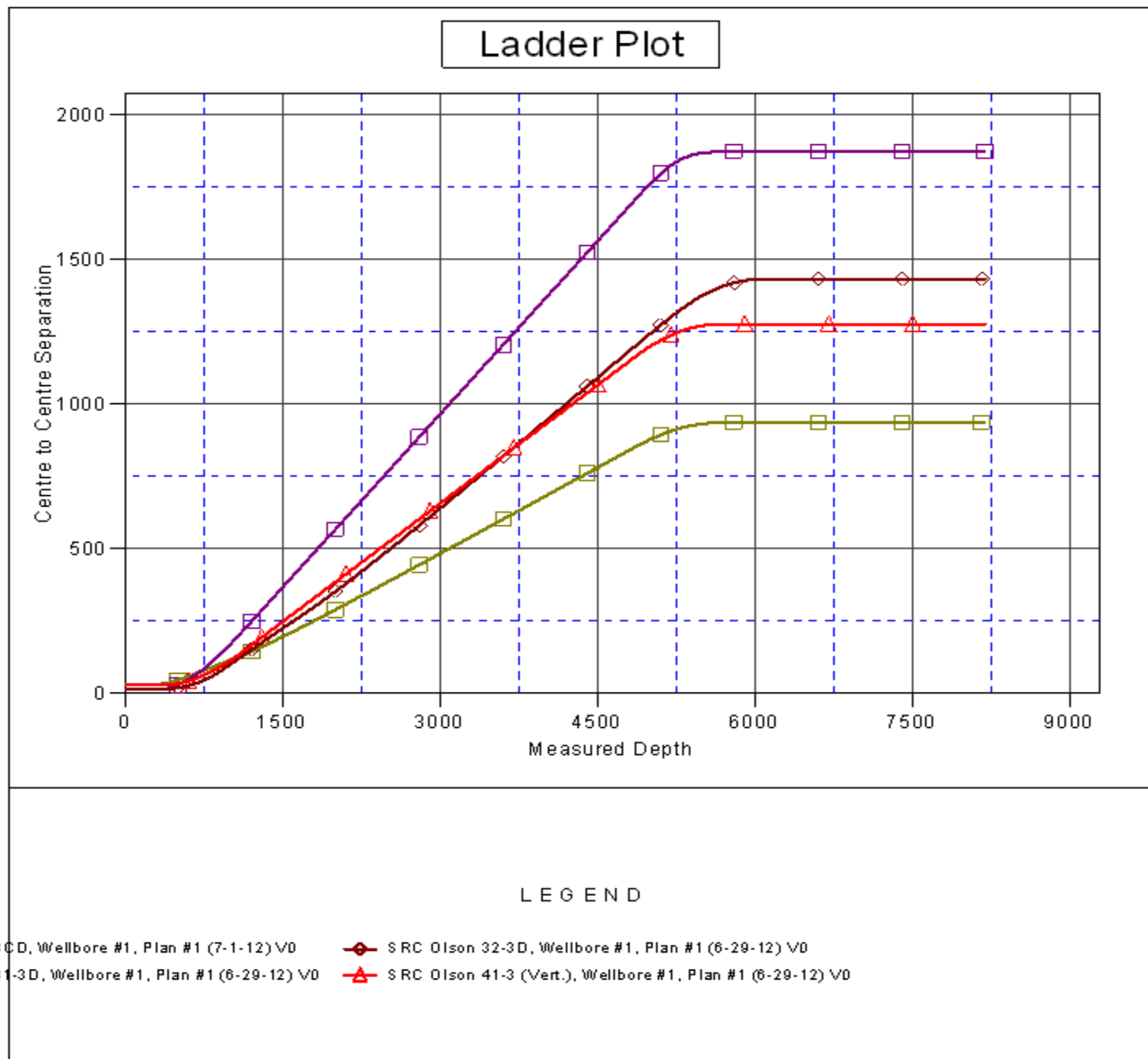
CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Offset Design SRC Olson 41-3 Pad Sec.3-T3N-R68W - SRC Olson 41-3 (Vert.) - Wellbore #1 - Plan #1 (6-29-12)													Offset Site Error: 0.0 ft	
Survey Program: 0-MWD													Offset Well Error: 0.0 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)			
4,900.0	4,744.6	4,744.6	4,744.6	24.5	10.6	179.59	24.1	17.6	1,176.5	1,152.7	23.73	49.587		
5,000.0	4,841.5	4,841.5	4,841.5	24.9	10.8	179.60	24.1	17.6	1,201.1	1,176.9	24.26	49.516		
5,100.0	4,939.2	4,939.2	4,939.2	25.2	11.0	179.61	24.1	17.6	1,222.4	1,197.7	24.76	49.379		
5,200.0	5,037.6	5,037.6	5,037.6	25.5	11.2	179.62	24.1	17.6	1,240.3	1,215.1	25.22	49.184		
5,300.0	5,136.5	5,136.5	5,136.5	25.8	11.4	179.62	24.1	17.6	1,254.7	1,229.1	25.64	48.933		
5,400.0	5,235.9	5,235.9	5,235.9	26.0	11.7	179.63	24.1	17.6	1,265.6	1,239.6	26.03	48.630		
5,500.0	5,335.6	5,335.6	5,335.6	26.2	11.9	179.63	24.1	17.6	1,273.1	1,246.8	26.37	48.277		
5,600.0	5,435.5	5,435.5	5,435.5	26.3	12.1	179.63	24.1	17.6	1,277.1	1,250.4	26.68	47.875		
5,664.5	5,500.0	5,500.0	5,500.0	26.4	12.2	-5.06	24.1	17.6	1,277.8	1,251.0	26.86	47.574		
5,700.0	5,535.5	5,535.5	5,535.5	26.4	12.3	-5.06	24.1	17.6	1,277.8	1,250.8	27.00	47.333		
5,800.0	5,635.5	5,635.5	5,635.5	26.5	12.6	-5.06	24.1	17.6	1,277.8	1,250.5	27.37	46.693		
5,900.0	5,735.5	5,735.5	5,735.5	26.5	12.8	-5.06	24.1	17.6	1,277.8	1,250.1	27.74	46.067		
6,000.0	5,835.5	5,835.5	5,835.5	26.6	13.0	-5.06	24.1	17.6	1,277.8	1,249.7	28.11	45.454		
6,100.0	5,935.5	5,935.5	5,935.5	26.7	13.2	-5.06	24.1	17.6	1,277.8	1,249.4	28.49	44.855		
6,200.0	6,035.5	6,035.5	6,035.5	26.8	13.5	-5.06	24.1	17.6	1,277.8	1,249.0	28.87	44.268		
6,300.0	6,135.5	6,135.5	6,135.5	26.9	13.7	-5.06	24.1	17.6	1,277.8	1,248.6	29.25	43.694		
6,400.0	6,235.5	6,235.5	6,235.5	27.0	13.9	-5.06	24.1	17.6	1,277.8	1,248.2	29.63	43.132		
6,500.0	6,335.5	6,335.5	6,335.5	27.1	14.1	-5.06	24.1	17.6	1,277.8	1,247.8	30.01	42.582		
6,600.0	6,435.5	6,435.5	6,435.5	27.1	14.4	-5.06	24.1	17.6	1,277.8	1,247.5	30.39	42.044		
6,700.0	6,535.5	6,535.5	6,535.5	27.2	14.6	-5.06	24.1	17.6	1,277.8	1,247.1	30.78	41.517		
6,800.0	6,635.5	6,635.5	6,635.5	27.3	14.8	-5.06	24.1	17.6	1,277.8	1,246.7	31.17	41.001		
6,900.0	6,735.5	6,735.5	6,735.5	27.4	15.0	-5.06	24.1	17.6	1,277.8	1,246.3	31.55	40.496		
7,000.0	6,835.5	6,835.5	6,835.5	27.5	15.3	-5.06	24.1	17.6	1,277.8	1,245.9	31.95	40.001		
7,100.0	6,935.5	6,935.5	6,935.5	27.6	15.5	-5.06	24.1	17.6	1,277.8	1,245.5	32.34	39.517		
7,200.0	7,035.5	7,035.5	7,035.5	27.7	15.7	-5.06	24.1	17.6	1,277.8	1,245.1	32.73	39.043		
7,300.0	7,135.5	7,135.5	7,135.5	27.8	15.9	-5.06	24.1	17.6	1,277.8	1,244.7	33.12	38.578		
7,400.0	7,235.5	7,235.5	7,235.5	27.9	16.2	-5.06	24.1	17.6	1,277.8	1,244.3	33.52	38.123		
7,500.0	7,335.5	7,335.5	7,335.5	28.0	16.4	-5.06	24.1	17.6	1,277.8	1,243.9	33.92	37.677		
7,600.0	7,435.5	7,435.5	7,435.5	28.1	16.6	-5.06	24.1	17.6	1,277.8	1,243.5	34.31	37.240		
7,700.0	7,535.5	7,535.5	7,535.5	28.2	16.8	-5.06	24.1	17.6	1,277.8	1,243.1	34.71	36.812		
7,800.0	7,635.5	7,635.5	7,635.5	28.3	17.0	-5.06	24.1	17.6	1,277.8	1,242.7	35.11	36.393		
7,900.0	7,735.5	7,735.5	7,735.5	28.5	17.3	-5.06	24.1	17.6	1,277.8	1,242.3	35.51	35.982		
8,000.0	7,835.5	7,835.5	7,835.5	28.6	17.5	-5.06	24.1	17.6	1,277.8	1,241.9	35.92	35.579		
8,100.0	7,935.5	7,935.5	7,935.5	28.7	17.7	-5.06	24.1	17.6	1,277.8	1,241.5	36.32	35.184		
8,189.5	8,025.0	8,025.0	8,025.0	28.8	17.9	-5.06	24.1	17.6	1,277.8	1,241.2	36.68	34.837		

Company: Synergy Resources
Project: SEC.3-T3N-R68W
Reference Site: SRC Olson 41-3 Pad Sec.3-T3N-R68W
Site Error: 0.0ft
Reference Well: SRC Olson 42-3D
Well Error: 0.0ft
Reference Wellbore: Wellbore #1
Reference Design: Plan #1 (6-29-12)

Local Co-ordinate Reference: Well SRC Olson 42-3D
TVD Reference: WELL @ 5054.0ft (Original Well Elev)
MD Reference: WELL @ 5054.0ft (Original Well Elev)
North Reference: True
Survey Calculation Method: Minimum Curvature
Output errors are at 2.00 sigma
Database: Landmark
Offset TVD Reference: Offset Datum

Reference Depths are relative to WELL @ 5054.0ft (Original Well Elev) Coordinates are relative to: SRC Olson 42-3D
 Offset Depths are relative to Offset Datum
 Coordinate System is US State Plane 1983, Colorado Northern Zone
 Central Meridian is -105.500000 °
 Grid Convergence at Surface is: 0.33°



Company:	Synergy Resources	Local Co-ordinate Reference:	Well SRC Olson 42-3D
Project:	SEC.3-T3N-R68W	TVD Reference:	WELL @ 5054.0ft (Original Well Elev)
Reference Site:	SRC Olson 41-3 Pad Sec.3-T3N-R68W	MD Reference:	WELL @ 5054.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	SRC Olson 42-3D	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	Landmark
Reference Design:	Plan #1 (6-29-12)	Offset TVD Reference:	Offset Datum

Reference Depths are relative to WELL @ 5054.0ft (Original Well Elev) Coordinates are relative to: SRC Olson 42-3D
Offset Depths are relative to Offset Datum Coordinate System is US State Plane 1983, Colorado Northern Zone
Central Meridian is -105.500000 ° Grid Convergence at Surface is: 0.33°

