

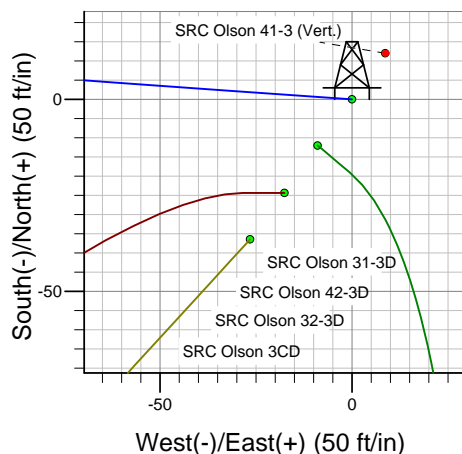
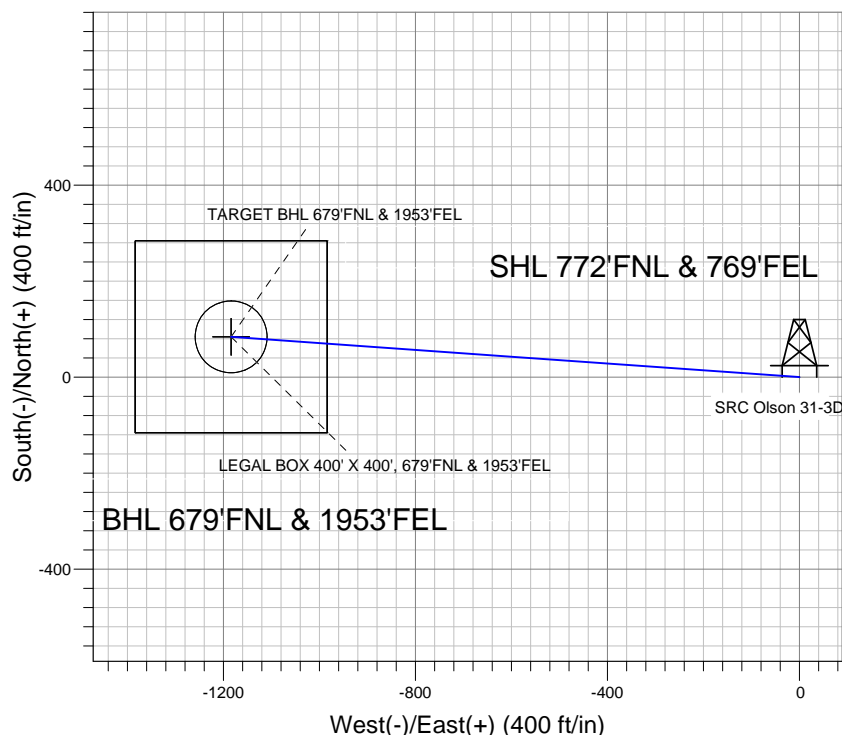
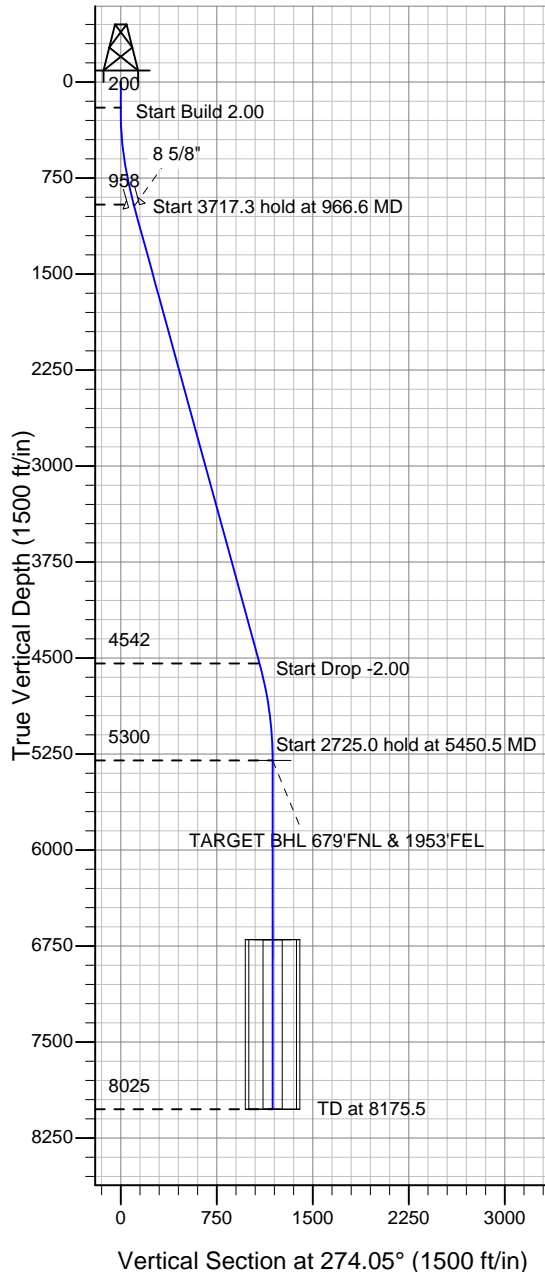
Well Name: SRC Olson 31-3D

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	1338168.74	3144390.22	40.260516	-104.982624	
Original Well Elev WELL @ 5054.0ft (Original Well Elev)						

Synergy Resources



SRC Olson 41-3 Pad Sec.3-T3N-R68W
SRC Olson 31-3D
Plan #1 (6-29-12)
9:51, 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 679'FNL & 1953'FEL	5300.0	83.8	-1183.9	40.260746	-104.986866	Point
LEGAL BOX 400' X 400', 679'FNL & 1953'FEL	6700.0	83.8	-1183.9	40.260746	-104.986866	Rectangle (Sides: L400.0 W400.0)
TARGET CIRCLE 679'FNL & 1953'FEL	6700.0	83.8	-1183.9	40.260746	-104.986866	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	966.6	15.33	274.05	957.5	7.2	-101.7	2.00	274.05	102.0	
4	4683.9	15.33	274.05	4542.5	76.6	-1082.2	0.00	0.00	1084.9	
5	5450.5	0.00	0.00	5300.0	83.8	-1183.9	2.00	180.00	1186.9	TARGET BHL 679'FNL & 1953'FEL
6	8175.5	0.00	0.00	8025.0	83.8	-1183.9	0.00	0.00	1186.9	



Synergy Resources

SEC.3-T3N-R68W

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

SRC Olson 31-3D

Wellbore #1

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

Standard Planning Report

03 July, 2012

Plan Sections										
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	
966.6	15.33	274.05	957.5	7.2	-101.7	2.00	2.00	0.00	274.05	
4,683.9	15.33	274.05	4,542.5	76.6	-1,082.2	0.00	0.00	0.00	0.00	
5,450.5	0.00	0.00	5,300.0	83.8	-1,183.9	2.00	-2.00	0.00	180.00	TARGET BHL 679°
8,175.5	0.00	0.00	8,025.0	83.8	-1,183.9	0.00	0.00	0.00	0.00	

Database:	Landmark	Local Co-ordinate Reference:	Well SRC Olson 31-3D
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 31-3D	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	274.05	240.0	0.0	-0.3	0.3	2.00	2.00	0.00
280.0	1.60	274.05	280.0	0.1	-1.1	1.1	2.00	2.00	0.00
320.0	2.40	274.05	320.0	0.2	-2.5	2.5	2.00	2.00	0.00
360.0	3.20	274.05	359.9	0.3	-4.5	4.5	2.00	2.00	0.00
400.0	4.00	274.05	399.8	0.5	-7.0	7.0	2.00	2.00	0.00
440.0	4.80	274.05	439.7	0.7	-10.0	10.0	2.00	2.00	0.00
480.0	5.60	274.05	479.6	1.0	-13.6	13.7	2.00	2.00	0.00
520.0	6.40	274.05	519.3	1.3	-17.8	17.9	2.00	2.00	0.00
560.0	7.20	274.05	559.1	1.6	-22.5	22.6	2.00	2.00	0.00
600.0	8.00	274.05	598.7	2.0	-27.8	27.9	2.00	2.00	0.00
640.0	8.80	274.05	638.3	2.4	-33.6	33.7	2.00	2.00	0.00
680.0	9.60	274.05	677.8	2.8	-40.0	40.1	2.00	2.00	0.00
720.0	10.40	274.05	717.1	3.3	-46.9	47.1	2.00	2.00	0.00
760.0	11.20	274.05	756.4	3.9	-54.4	54.6	2.00	2.00	0.00
800.0	12.00	274.05	795.6	4.4	-62.4	62.6	2.00	2.00	0.00
840.0	12.80	274.05	834.7	5.0	-71.0	71.2	2.00	2.00	0.00
880.0	13.60	274.05	873.6	5.7	-80.1	80.3	2.00	2.00	0.00
920.0	14.40	274.05	912.4	6.4	-89.8	90.0	2.00	2.00	0.00
960.0	15.20	274.05	951.1	7.1	-100.0	100.2	2.00	2.00	0.00
966.6	15.33	274.05	957.5	7.2	-101.7	102.0	2.00	2.00	0.00
979.6	15.33	274.05	970.0	7.4	-105.1	105.4	0.00	0.00	0.00
8 5/8"									
1,000.0	15.33	274.05	989.7	7.8	-110.5	110.8	0.00	0.00	0.00
1,040.0	15.33	274.05	1,028.3	8.6	-121.1	121.4	0.00	0.00	0.00
1,080.0	15.33	274.05	1,066.8	9.3	-131.6	131.9	0.00	0.00	0.00
1,120.0	15.33	274.05	1,105.4	10.1	-142.2	142.5	0.00	0.00	0.00
1,160.0	15.33	274.05	1,144.0	10.8	-152.7	153.1	0.00	0.00	0.00
1,200.0	15.33	274.05	1,182.6	11.6	-163.3	163.7	0.00	0.00	0.00
1,240.0	15.33	274.05	1,221.2	12.3	-173.8	174.3	0.00	0.00	0.00
1,280.0	15.33	274.05	1,259.7	13.1	-184.4	184.8	0.00	0.00	0.00
1,320.0	15.33	274.05	1,298.3	13.8	-194.9	195.4	0.00	0.00	0.00
1,360.0	15.33	274.05	1,336.9	14.6	-205.5	206.0	0.00	0.00	0.00
1,400.0	15.33	274.05	1,375.5	15.3	-216.0	216.6	0.00	0.00	0.00
1,440.0	15.33	274.05	1,414.0	16.0	-226.6	227.1	0.00	0.00	0.00
1,480.0	15.33	274.05	1,452.6	16.8	-237.1	237.7	0.00	0.00	0.00
1,520.0	15.33	274.05	1,491.2	17.5	-247.7	248.3	0.00	0.00	0.00
1,560.0	15.33	274.05	1,529.8	18.3	-258.2	258.9	0.00	0.00	0.00
1,600.0	15.33	274.05	1,568.3	19.0	-268.8	269.4	0.00	0.00	0.00
1,640.0	15.33	274.05	1,606.9	19.8	-279.3	280.0	0.00	0.00	0.00
1,680.0	15.33	274.05	1,645.5	20.5	-289.9	290.6	0.00	0.00	0.00
1,720.0	15.33	274.05	1,684.1	21.3	-300.4	301.2	0.00	0.00	0.00
1,760.0	15.33	274.05	1,722.6	22.0	-311.0	311.8	0.00	0.00	0.00
1,800.0	15.33	274.05	1,761.2	22.8	-321.5	322.3	0.00	0.00	0.00
1,840.0	15.33	274.05	1,799.8	23.5	-332.1	332.9	0.00	0.00	0.00
1,880.0	15.33	274.05	1,838.4	24.3	-342.6	343.5	0.00	0.00	0.00
1,920.0	15.33	274.05	1,876.9	25.0	-353.2	354.1	0.00	0.00	0.00
1,960.0	15.33	274.05	1,915.5	25.8	-363.7	364.6	0.00	0.00	0.00
2,000.0	15.33	274.05	1,954.1	26.5	-374.3	375.2	0.00	0.00	0.00

Database:	Landmark	Local Co-ordinate Reference:	Well SRC Olson 31-3D
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 31-3D	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)
2,040.0	15.33	274.05	1,992.7	27.3	-384.8	385.8	0.00	0.00	0.00
2,080.0	15.33	274.05	2,031.3	28.0	-395.4	396.4	0.00	0.00	0.00
2,120.0	15.33	274.05	2,069.8	28.7	-405.9	406.9	0.00	0.00	0.00
2,160.0	15.33	274.05	2,108.4	29.5	-416.5	417.5	0.00	0.00	0.00
2,200.0	15.33	274.05	2,147.0	30.2	-427.0	428.1	0.00	0.00	0.00
2,240.0	15.33	274.05	2,185.6	31.0	-437.6	438.7	0.00	0.00	0.00
2,280.0	15.33	274.05	2,224.1	31.7	-448.1	449.3	0.00	0.00	0.00
2,320.0	15.33	274.05	2,262.7	32.5	-458.7	459.8	0.00	0.00	0.00
2,360.0	15.33	274.05	2,301.3	33.2	-469.2	470.4	0.00	0.00	0.00
2,400.0	15.33	274.05	2,339.9	34.0	-479.8	481.0	0.00	0.00	0.00
2,440.0	15.33	274.05	2,378.4	34.7	-490.3	491.6	0.00	0.00	0.00
2,480.0	15.33	274.05	2,417.0	35.5	-500.9	502.1	0.00	0.00	0.00
2,520.0	15.33	274.05	2,455.6	36.2	-511.4	512.7	0.00	0.00	0.00
2,560.0	15.33	274.05	2,494.2	37.0	-522.0	523.3	0.00	0.00	0.00
2,600.0	15.33	274.05	2,532.7	37.7	-532.5	533.9	0.00	0.00	0.00
2,640.0	15.33	274.05	2,571.3	38.5	-543.1	544.5	0.00	0.00	0.00
2,680.0	15.33	274.05	2,609.9	39.2	-553.6	555.0	0.00	0.00	0.00
2,720.0	15.33	274.05	2,648.5	40.0	-564.2	565.6	0.00	0.00	0.00
2,760.0	15.33	274.05	2,687.0	40.7	-574.7	576.2	0.00	0.00	0.00
2,800.0	15.33	274.05	2,725.6	41.4	-585.3	586.8	0.00	0.00	0.00
2,840.0	15.33	274.05	2,764.2	42.2	-595.8	597.3	0.00	0.00	0.00
2,880.0	15.33	274.05	2,802.8	42.9	-606.4	607.9	0.00	0.00	0.00
2,920.0	15.33	274.05	2,841.4	43.7	-616.9	618.5	0.00	0.00	0.00
2,960.0	15.33	274.05	2,879.9	44.4	-627.5	629.1	0.00	0.00	0.00
3,000.0	15.33	274.05	2,918.5	45.2	-638.0	639.6	0.00	0.00	0.00
3,040.0	15.33	274.05	2,957.1	45.9	-648.6	650.2	0.00	0.00	0.00
3,080.0	15.33	274.05	2,995.7	46.7	-659.1	660.8	0.00	0.00	0.00
3,120.0	15.33	274.05	3,034.2	47.4	-669.7	671.4	0.00	0.00	0.00
3,160.0	15.33	274.05	3,072.8	48.2	-680.3	682.0	0.00	0.00	0.00
3,200.0	15.33	274.05	3,111.4	48.9	-690.8	692.5	0.00	0.00	0.00
3,240.0	15.33	274.05	3,150.0	49.7	-701.4	703.1	0.00	0.00	0.00
3,280.0	15.33	274.05	3,188.5	50.4	-711.9	713.7	0.00	0.00	0.00
3,320.0	15.33	274.05	3,227.1	51.2	-722.5	724.3	0.00	0.00	0.00
3,360.0	15.33	274.05	3,265.7	51.9	-733.0	734.8	0.00	0.00	0.00
3,400.0	15.33	274.05	3,304.3	52.7	-743.6	745.4	0.00	0.00	0.00
3,440.0	15.33	274.05	3,342.8	53.4	-754.1	756.0	0.00	0.00	0.00
3,480.0	15.33	274.05	3,381.4	54.1	-764.7	766.6	0.00	0.00	0.00
3,520.0	15.33	274.05	3,420.0	54.9	-775.2	777.1	0.00	0.00	0.00
3,560.0	15.33	274.05	3,458.6	55.6	-785.8	787.7	0.00	0.00	0.00
3,600.0	15.33	274.05	3,497.1	56.4	-796.3	798.3	0.00	0.00	0.00
3,640.0	15.33	274.05	3,535.7	57.1	-806.9	808.9	0.00	0.00	0.00
3,680.0	15.33	274.05	3,574.3	57.9	-817.4	819.5	0.00	0.00	0.00
3,720.0	15.33	274.05	3,612.9	58.6	-828.0	830.0	0.00	0.00	0.00
3,760.0	15.33	274.05	3,651.5	59.4	-838.5	840.6	0.00	0.00	0.00
3,800.0	15.33	274.05	3,690.0	60.1	-849.1	851.2	0.00	0.00	0.00
3,840.0	15.33	274.05	3,728.6	60.9	-859.6	861.8	0.00	0.00	0.00
3,880.0	15.33	274.05	3,767.2	61.6	-870.2	872.3	0.00	0.00	0.00
3,920.0	15.33	274.05	3,805.8	62.4	-880.7	882.9	0.00	0.00	0.00
3,960.0	15.33	274.05	3,844.3	63.1	-891.3	893.5	0.00	0.00	0.00
4,000.0	15.33	274.05	3,882.9	63.9	-901.8	904.1	0.00	0.00	0.00
4,040.0	15.33	274.05	3,921.5	64.6	-912.4	914.6	0.00	0.00	0.00
4,080.0	15.33	274.05	3,960.1	65.4	-922.9	925.2	0.00	0.00	0.00
4,120.0	15.33	274.05	3,998.6	66.1	-933.5	935.8	0.00	0.00	0.00
4,160.0	15.33	274.05	4,037.2	66.9	-944.0	946.4	0.00	0.00	0.00

Database:	Landmark	Local Co-ordinate Reference:	Well SRC Olson 31-3D
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 31-3D	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)
4,200.0	15.33	274.05	4,075.8	67.6	-954.6	957.0	0.00	0.00	0.00
4,240.0	15.33	274.05	4,114.4	68.3	-965.1	967.5	0.00	0.00	0.00
4,280.0	15.33	274.05	4,152.9	69.1	-975.7	978.1	0.00	0.00	0.00
4,320.0	15.33	274.05	4,191.5	69.8	-986.2	988.7	0.00	0.00	0.00
4,360.0	15.33	274.05	4,230.1	70.6	-996.8	999.3	0.00	0.00	0.00
4,400.0	15.33	274.05	4,268.7	71.3	-1,007.3	1,009.8	0.00	0.00	0.00
4,440.0	15.33	274.05	4,307.2	72.1	-1,017.9	1,020.4	0.00	0.00	0.00
4,480.0	15.33	274.05	4,345.8	72.8	-1,028.4	1,031.0	0.00	0.00	0.00
4,520.0	15.33	274.05	4,384.4	73.6	-1,039.0	1,041.6	0.00	0.00	0.00
4,560.0	15.33	274.05	4,423.0	74.3	-1,049.5	1,052.2	0.00	0.00	0.00
4,600.0	15.33	274.05	4,461.6	75.1	-1,060.1	1,062.7	0.00	0.00	0.00
4,640.0	15.33	274.05	4,500.1	75.8	-1,070.6	1,073.3	0.00	0.00	0.00
4,680.0	15.33	274.05	4,538.7	76.6	-1,081.2	1,083.9	0.00	0.00	0.00
4,683.9	15.33	274.05	4,542.5	76.6	-1,082.2	1,084.9	0.00	0.00	0.00
4,720.0	14.61	274.05	4,577.3	77.3	-1,091.5	1,094.2	2.00	-2.00	0.00
4,760.0	13.81	274.05	4,616.1	78.0	-1,101.3	1,104.1	2.00	-2.00	0.00
4,800.0	13.01	274.05	4,655.0	78.6	-1,110.6	1,113.3	2.00	-2.00	0.00
4,840.0	12.21	274.05	4,694.1	79.3	-1,119.3	1,122.1	2.00	-2.00	0.00
4,880.0	11.41	274.05	4,733.2	79.8	-1,127.4	1,130.3	2.00	-2.00	0.00
4,920.0	10.61	274.05	4,772.5	80.4	-1,135.1	1,137.9	2.00	-2.00	0.00
4,960.0	9.81	274.05	4,811.8	80.9	-1,142.1	1,145.0	2.00	-2.00	0.00
5,000.0	9.01	274.05	4,851.3	81.3	-1,148.7	1,151.5	2.00	-2.00	0.00
5,040.0	8.21	274.05	4,890.9	81.8	-1,154.6	1,157.5	2.00	-2.00	0.00
5,080.0	7.41	274.05	4,930.5	82.1	-1,160.0	1,163.0	2.00	-2.00	0.00
5,120.0	6.61	274.05	4,970.2	82.5	-1,164.9	1,167.8	2.00	-2.00	0.00
5,160.0	5.81	274.05	5,009.9	82.8	-1,169.2	1,172.2	2.00	-2.00	0.00
5,200.0	5.01	274.05	5,049.8	83.1	-1,173.0	1,175.9	2.00	-2.00	0.00
5,240.0	4.21	274.05	5,089.6	83.3	-1,176.2	1,179.2	2.00	-2.00	0.00
5,280.0	3.41	274.05	5,129.6	83.5	-1,178.9	1,181.8	2.00	-2.00	0.00
5,320.0	2.61	274.05	5,169.5	83.6	-1,181.0	1,183.9	2.00	-2.00	0.00
5,360.0	1.81	274.05	5,209.5	83.7	-1,182.5	1,185.5	2.00	-2.00	0.00
5,400.0	1.01	274.05	5,249.5	83.8	-1,183.5	1,186.4	2.00	-2.00	0.00
5,440.0	0.21	274.05	5,289.5	83.8	-1,183.9	1,186.9	2.00	-2.00	0.00
5,450.5	0.00	0.00	5,300.0	83.8	-1,183.9	1,186.9	2.00	-2.00	814.73
TARGET BHL 679'FNL & 1953'FEL									
5,480.0	0.00	0.00	5,329.5	83.8	-1,183.9	1,186.9	0.00	0.00	0.00
5,520.0	0.00	0.00	5,369.5	83.8	-1,183.9	1,186.9	0.00	0.00	0.00
5,560.0	0.00	0.00	5,409.5	83.8	-1,183.9	1,186.9	0.00	0.00	0.00
5,600.0	0.00	0.00	5,449.5	83.8	-1,183.9	1,186.9	0.00	0.00	0.00
5,640.0	0.00	0.00	5,489.5	83.8	-1,183.9	1,186.9	0.00	0.00	0.00
5,680.0	0.00	0.00	5,529.5	83.8	-1,183.9	1,186.9	0.00	0.00	0.00
5,720.0	0.00	0.00	5,569.5	83.8	-1,183.9	1,186.9	0.00	0.00	0.00
5,760.0	0.00	0.00	5,609.5	83.8	-1,183.9	1,186.9	0.00	0.00	0.00
5,800.0	0.00	0.00	5,649.5	83.8	-1,183.9	1,186.9	0.00	0.00	0.00
5,840.0	0.00	0.00	5,689.5	83.8	-1,183.9	1,186.9	0.00	0.00	0.00
5,880.0	0.00	0.00	5,729.5	83.8	-1,183.9	1,186.9	0.00	0.00	0.00
5,920.0	0.00	0.00	5,769.5	83.8	-1,183.9	1,186.9	0.00	0.00	0.00
5,960.0	0.00	0.00	5,809.5	83.8	-1,183.9	1,186.9	0.00	0.00	0.00
6,000.0	0.00	0.00	5,849.5	83.8	-1,183.9	1,186.9	0.00	0.00	0.00
6,040.0	0.00	0.00	5,889.5	83.8	-1,183.9	1,186.9	0.00	0.00	0.00
6,080.0	0.00	0.00	5,929.5	83.8	-1,183.9	1,186.9	0.00	0.00	0.00
6,120.0	0.00	0.00	5,969.5	83.8	-1,183.9	1,186.9	0.00	0.00	0.00
6,160.0	0.00	0.00	6,009.5	83.8	-1,183.9	1,186.9	0.00	0.00	0.00
6,200.0	0.00	0.00	6,049.5	83.8	-1,183.9	1,186.9	0.00	0.00	0.00

Database:	Landmark	Local Co-ordinate Reference:	Well SRC Olson 31-3D
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 31-3D	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)
6,240.0	0.00	0.00	6,089.5	83.8	-1,183.9	1,186.9	0.00	0.00	0.00
6,280.0	0.00	0.00	6,129.5	83.8	-1,183.9	1,186.9	0.00	0.00	0.00
6,320.0	0.00	0.00	6,169.5	83.8	-1,183.9	1,186.9	0.00	0.00	0.00
6,360.0	0.00	0.00	6,209.5	83.8	-1,183.9	1,186.9	0.00	0.00	0.00
6,400.0	0.00	0.00	6,249.5	83.8	-1,183.9	1,186.9	0.00	0.00	0.00
6,440.0	0.00	0.00	6,289.5	83.8	-1,183.9	1,186.9	0.00	0.00	0.00
6,480.0	0.00	0.00	6,329.5	83.8	-1,183.9	1,186.9	0.00	0.00	0.00
6,520.0	0.00	0.00	6,369.5	83.8	-1,183.9	1,186.9	0.00	0.00	0.00
6,560.0	0.00	0.00	6,409.5	83.8	-1,183.9	1,186.9	0.00	0.00	0.00
6,600.0	0.00	0.00	6,449.5	83.8	-1,183.9	1,186.9	0.00	0.00	0.00
6,640.0	0.00	0.00	6,489.5	83.8	-1,183.9	1,186.9	0.00	0.00	0.00
6,680.0	0.00	0.00	6,529.5	83.8	-1,183.9	1,186.9	0.00	0.00	0.00
6,720.0	0.00	0.00	6,569.5	83.8	-1,183.9	1,186.9	0.00	0.00	0.00
6,760.0	0.00	0.00	6,609.5	83.8	-1,183.9	1,186.9	0.00	0.00	0.00
6,800.0	0.00	0.00	6,649.5	83.8	-1,183.9	1,186.9	0.00	0.00	0.00
6,840.0	0.00	0.00	6,689.5	83.8	-1,183.9	1,186.9	0.00	0.00	0.00
6,850.5	0.00	0.00	6,700.0	83.8	-1,183.9	1,186.9	0.00	0.00	0.00
TARGET CIRCLE 679'FNL & 1953'FEL - LEGAL BOX 400' X 400', 679'FNL & 1953'FEL									
6,880.0	0.00	0.00	6,729.5	83.8	-1,183.9	1,186.9	0.00	0.00	0.00
6,920.0	0.00	0.00	6,769.5	83.8	-1,183.9	1,186.9	0.00	0.00	0.00
6,960.0	0.00	0.00	6,809.5	83.8	-1,183.9	1,186.9	0.00	0.00	0.00
7,000.0	0.00	0.00	6,849.5	83.8	-1,183.9	1,186.9	0.00	0.00	0.00
7,040.0	0.00	0.00	6,889.5	83.8	-1,183.9	1,186.9	0.00	0.00	0.00
7,080.0	0.00	0.00	6,929.5	83.8	-1,183.9	1,186.9	0.00	0.00	0.00
7,120.0	0.00	0.00	6,969.5	83.8	-1,183.9	1,186.9	0.00	0.00	0.00
7,160.0	0.00	0.00	7,009.5	83.8	-1,183.9	1,186.9	0.00	0.00	0.00
7,200.0	0.00	0.00	7,049.5	83.8	-1,183.9	1,186.9	0.00	0.00	0.00
7,240.0	0.00	0.00	7,089.5	83.8	-1,183.9	1,186.9	0.00	0.00	0.00
7,280.0	0.00	0.00	7,129.5	83.8	-1,183.9	1,186.9	0.00	0.00	0.00
7,320.0	0.00	0.00	7,169.5	83.8	-1,183.9	1,186.9	0.00	0.00	0.00
7,360.0	0.00	0.00	7,209.5	83.8	-1,183.9	1,186.9	0.00	0.00	0.00
7,400.0	0.00	0.00	7,249.5	83.8	-1,183.9	1,186.9	0.00	0.00	0.00
7,440.0	0.00	0.00	7,289.5	83.8	-1,183.9	1,186.9	0.00	0.00	0.00
7,480.0	0.00	0.00	7,329.5	83.8	-1,183.9	1,186.9	0.00	0.00	0.00
7,520.0	0.00	0.00	7,369.5	83.8	-1,183.9	1,186.9	0.00	0.00	0.00
7,560.0	0.00	0.00	7,409.5	83.8	-1,183.9	1,186.9	0.00	0.00	0.00
7,600.0	0.00	0.00	7,449.5	83.8	-1,183.9	1,186.9	0.00	0.00	0.00
7,640.0	0.00	0.00	7,489.5	83.8	-1,183.9	1,186.9	0.00	0.00	0.00
7,680.0	0.00	0.00	7,529.5	83.8	-1,183.9	1,186.9	0.00	0.00	0.00
7,720.0	0.00	0.00	7,569.5	83.8	-1,183.9	1,186.9	0.00	0.00	0.00
7,760.0	0.00	0.00	7,609.5	83.8	-1,183.9	1,186.9	0.00	0.00	0.00
7,800.0	0.00	0.00	7,649.5	83.8	-1,183.9	1,186.9	0.00	0.00	0.00
7,840.0	0.00	0.00	7,689.5	83.8	-1,183.9	1,186.9	0.00	0.00	0.00
7,880.0	0.00	0.00	7,729.5	83.8	-1,183.9	1,186.9	0.00	0.00	0.00
7,920.0	0.00	0.00	7,769.5	83.8	-1,183.9	1,186.9	0.00	0.00	0.00
7,960.0	0.00	0.00	7,809.5	83.8	-1,183.9	1,186.9	0.00	0.00	0.00
8,000.0	0.00	0.00	7,849.5	83.8	-1,183.9	1,186.9	0.00	0.00	0.00
8,040.0	0.00	0.00	7,889.5	83.8	-1,183.9	1,186.9	0.00	0.00	0.00
8,080.0	0.00	0.00	7,929.5	83.8	-1,183.9	1,186.9	0.00	0.00	0.00
8,120.0	0.00	0.00	7,969.5	83.8	-1,183.9	1,186.9	0.00	0.00	0.00
8,160.0	0.00	0.00	8,009.5	83.8	-1,183.9	1,186.9	0.00	0.00	0.00
8,175.5	0.00	0.00	8,025.0	83.8	-1,183.9	1,186.9	0.00	0.00	0.00

Database:	Landmark	Local Co-ordinate Reference:	Well SRC Olson 31-3D
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 31-3D	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan #1 (6-29-12)		

Targets									
Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (ft)	Easting (ft)	Latitude	Longitude
- hit/miss target									
- Shape									
TARGET BHL 679'FN	0.00	0.00	5,300.0	83.8	-1,183.9	1,338,245.66	3,143,205.89	40.260746	-104.986866
- plan hits target center									
- Point									
TARGET CIRCLE 679'	0.00	0.00	6,700.0	83.8	-1,183.9	1,338,245.66	3,143,205.89	40.260746	-104.986866
- plan hits target center									
- Circle (radius 75.0)									
LEGAL BOX 400' X 400'	0.00	0.00	6,700.0	83.8	-1,183.9	1,338,245.63	3,143,205.91	40.260746	-104.986866
- plan hits target center									
- Rectangle (sides W400.0 H400.0 D1,325.0)									

Casing Points					
Measured Depth (ft)	Vertical Depth (ft)	Name	Casing Diameter (")	Hole Diameter (")	
979.6	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 31-3D

Wellbore #1

Plan #1 (6-29-12)

Anticollision Report

03 July, 2012

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)			
1,600.0	1,568.3	1,590.7	1,574.3	6.3	4.4	-138.21	-99.3	-150.9	167.1	157.6	9.49	17.607		
1,700.0	1,664.8	1,687.0	1,665.2	6.9	5.0	-133.43	-119.9	-175.1	185.0	174.3	10.74	17.218		
1,800.0	1,761.2	1,782.0	1,753.8	7.4	5.6	-128.68	-142.6	-200.8	204.9	192.8	12.07	16.974		
1,900.0	1,857.7	1,877.3	1,841.7	8.0	6.3	-124.14	-167.2	-227.9	226.9	213.5	13.44	16.890		
2,000.0	1,954.1	1,973.3	1,930.2	8.6	7.0	-120.32	-192.2	-255.4	250.2	235.4	14.77	16.937		
2,100.0	2,050.5	2,069.2	2,018.7	9.1	7.7	-117.15	-217.3	-282.9	274.4	258.3	16.07	17.070		
2,200.0	2,147.0	2,165.2	2,107.2	9.7	8.5	-114.49	-242.3	-310.3	299.2	281.9	17.35	17.252		
2,300.0	2,243.4	2,261.2	2,195.7	10.3	9.2	-112.23	-267.3	-337.8	324.6	306.0	18.59	17.460		
2,400.0	2,339.9	2,357.2	2,284.2	10.8	9.9	-110.30	-292.3	-365.3	350.4	330.6	19.82	17.680		
2,500.0	2,436.3	2,453.2	2,372.7	11.4	10.7	-108.64	-317.3	-392.7	376.5	355.5	21.03	17.904		
2,600.0	2,532.7	2,549.2	2,461.2	12.0	11.4	-107.18	-342.3	-420.2	402.9	380.6	22.23	18.126		
2,700.0	2,629.2	2,645.2	2,549.7	12.5	12.2	-105.91	-367.3	-447.7	429.5	406.0	23.41	18.342		
2,800.0	2,725.6	2,741.1	2,638.2	13.1	12.9	-104.78	-392.3	-475.1	456.2	431.6	24.59	18.552		
2,900.0	2,822.1	2,837.1	2,726.7	13.7	13.7	-103.78	-417.4	-502.6	483.1	457.3	25.76	18.752		
3,000.0	2,918.5	2,933.1	2,815.2	14.2	14.5	-102.88	-442.4	-530.1	510.1	483.2	26.93	18.944		
3,100.0	3,014.9	3,029.1	2,903.7	14.8	15.2	-102.08	-467.4	-557.5	537.3	509.2	28.09	19.128		
3,200.0	3,111.4	3,125.1	2,992.2	15.4	16.0	-101.35	-492.4	-585.0	564.5	535.2	29.25	19.302		
3,300.0	3,207.8	3,221.1	3,080.7	15.9	16.7	-100.69	-517.4	-612.5	591.8	561.4	30.40	19.468		
3,400.0	3,304.3	3,317.1	3,169.2	16.5	17.5	-100.08	-542.4	-640.0	619.2	587.6	31.55	19.626		
3,500.0	3,400.7	3,413.0	3,257.7	17.1	18.3	-99.53	-567.4	-667.4	646.6	613.9	32.70	19.775		
3,600.0	3,497.1	3,509.0	3,346.3	17.7	19.0	-99.02	-592.4	-694.9	674.1	640.2	33.84	19.918		
3,700.0	3,593.6	3,605.0	3,434.8	18.2	19.8	-98.55	-617.5	-722.4	701.6	666.6	34.99	20.054		
3,800.0	3,690.0	3,701.0	3,523.3	18.8	20.6	-98.12	-642.5	-749.8	729.1	693.0	36.13	20.183		
3,900.0	3,786.5	3,797.0	3,611.8	19.4	21.3	-97.71	-667.5	-777.3	756.7	719.5	37.27	20.305		
4,000.0	3,882.9	3,893.0	3,700.3	19.9	22.1	-97.34	-692.5	-804.8	784.4	746.0	38.41	20.423		
4,100.0	3,979.4	3,988.9	3,788.8	20.5	22.9	-96.99	-717.5	-832.2	812.0	772.5	39.54	20.534		
4,200.0	4,075.8	4,084.9	3,877.3	21.1	23.6	-96.67	-742.5	-859.7	839.7	799.0	40.68	20.641		
4,300.0	4,172.2	4,180.9	3,965.8	21.6	24.4	-96.36	-767.5	-887.2	867.4	825.6	41.82	20.742		
4,400.0	4,268.7	4,276.9	4,054.3	22.2	25.2	-96.08	-792.6	-914.7	895.1	852.2	42.95	20.840		
4,500.0	4,365.1	4,372.9	4,142.8	22.8	25.9	-95.81	-817.6	-942.1	922.9	878.8	44.09	20.932		
4,600.0	4,461.6	4,468.9	4,231.3	23.4	26.7	-95.56	-842.6	-969.6	950.7	905.4	45.22	21.021		
4,683.9	4,542.5	4,549.4	4,305.5	23.8	27.4	-95.35	-863.6	-992.6	974.0	927.8	46.17	21.093		
4,700.0	4,558.0	4,564.9	4,319.8	23.9	27.5	-95.41	-867.6	-997.1	978.4	932.1	46.36	21.103		
4,800.0	4,655.0	4,660.8	4,408.2	24.3	28.2	-95.62	-892.6	-1,024.5	1,006.0	958.6	47.43	21.210		
4,900.0	4,752.8	4,756.5	4,496.5	24.7	29.0	-95.64	-917.5	-1,051.9	1,033.4	984.9	48.42	21.343		
5,000.0	4,851.3	4,852.0	4,584.5	25.0	29.8	-95.50	-942.4	-1,079.2	1,060.5	1,011.2	49.31	21.505		
5,100.0	4,950.3	4,947.0	4,672.1	25.2	30.5	-95.21	-967.2	-1,106.4	1,087.4	1,037.3	50.12	21.696		
5,200.0	5,049.8	5,041.5	4,759.3	25.4	31.3	-94.78	-991.8	-1,133.5	1,114.4	1,063.5	50.84	21.918		
5,300.0	5,149.5	5,157.7	4,866.9	25.6	32.1	-94.00	-1,021.4	-1,165.9	1,140.8	1,089.4	51.44	22.176		
5,400.0	5,249.5	5,289.5	4,990.8	25.7	32.8	-93.04	-1,051.4	-1,199.0	1,164.7	1,112.8	51.90	22.442		
5,450.5	5,300.0	5,357.2	5,055.3	25.8	33.1	-178.49	-1,065.4	-1,214.3	1,175.6	1,123.5	52.08	22.575		
5,500.0	5,349.5	5,424.3	5,119.7	25.8	33.4	-177.81	-1,078.2	-1,228.4	1,185.6	1,133.4	52.18	22.720		
5,600.0	5,449.5	5,562.7	5,253.7	25.9	34.0	-176.62	-1,101.4	-1,253.8	1,203.5	1,151.1	52.40	22.969		
5,700.0	5,549.5	5,704.3	5,392.3	26.0	34.5	-175.68	-1,120.6	-1,274.9	1,218.2	1,165.6	52.62	23.152		
5,800.0	5,649.5	5,848.4	5,534.7	26.1	34.8	-174.97	-1,135.4	-1,291.2	1,229.4	1,176.6	52.83	23.271		
5,900.0	5,749.5	5,994.4	5,680.0	26.2	35.1	-174.50	-1,145.4	-1,302.2	1,237.0	1,183.9	53.05	23.316		
6,000.0	5,849.5	6,141.5	5,826.9	26.3	35.3	-174.27	-1,150.5	-1,307.8	1,240.8	1,187.5	53.28	23.290		
6,100.0	5,949.5	6,265.1	5,950.5	26.4	35.4	-174.24	-1,151.1	-1,308.5	1,241.3	1,187.8	53.50	23.203		
6,200.0	6,049.5	6,365.1	6,050.5	26.5	35.5	-174.24	-1,151.1	-1,308.5	1,241.3	1,187.6	53.70	23.116		
6,300.0	6,149.5	6,465.1	6,150.5	26.6	35.6	-174.24	-1,151.1	-1,308.5	1,241.3	1,187.4	53.90	23.029		
6,400.0	6,249.5	6,565.1	6,250.5	26.8	35.7	-174.24	-1,151.1	-1,308.5	1,241.3	1,187.1	54.11	22.941		
6,500.0	6,349.5	6,665.1	6,350.5	26.9	35.7	-174.24	-1,151.1	-1,308.5	1,241.3	1,186.9	54.32	22.852		

Company:	Synergy Resources	Local Co-ordinate Reference:	Well SRC Olson 31-3D
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 31-3D	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 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 (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
6,600.0	6,449.5	6,765.1	6,450.5	27.0	35.8	-174.24	-1,151.1	-1,308.5	1,241.3	1,186.7	54.53	22.763	
6,700.0	6,549.5	6,865.1	6,550.5	27.1	35.9	-174.24	-1,151.1	-1,308.5	1,241.3	1,186.5	54.74	22.674	
6,800.0	6,649.5	6,965.1	6,650.5	27.2	36.0	-174.24	-1,151.1	-1,308.5	1,241.3	1,186.3	54.96	22.584	
6,900.0	6,749.5	7,065.1	6,750.5	27.3	36.0	-174.24	-1,151.1	-1,308.5	1,241.3	1,186.1	55.18	22.493	
7,000.0	6,849.5	7,165.1	6,850.5	27.4	36.1	-174.24	-1,151.1	-1,308.5	1,241.3	1,185.8	55.41	22.403	
7,100.0	6,949.5	7,265.1	6,950.5	27.6	36.2	-174.24	-1,151.1	-1,308.5	1,241.3	1,185.6	55.63	22.311	
7,200.0	7,049.5	7,365.1	7,050.5	27.7	36.3	-174.24	-1,151.1	-1,308.5	1,241.3	1,185.4	55.86	22.220	
7,300.0	7,149.5	7,465.1	7,150.5	27.8	36.4	-174.24	-1,151.1	-1,308.5	1,241.3	1,185.2	56.09	22.128	
7,400.0	7,249.5	7,565.1	7,250.5	27.9	36.5	-174.24	-1,151.1	-1,308.5	1,241.3	1,184.9	56.33	22.036	
7,500.0	7,349.5	7,665.1	7,350.5	28.1	36.5	-174.24	-1,151.1	-1,308.5	1,241.3	1,184.7	56.57	21.944	
7,600.0	7,449.5	7,765.1	7,450.5	28.2	36.6	-174.24	-1,151.1	-1,308.5	1,241.3	1,184.4	56.81	21.851	
7,700.0	7,549.5	7,865.1	7,550.5	28.3	36.7	-174.24	-1,151.1	-1,308.5	1,241.3	1,184.2	57.05	21.758	
7,800.0	7,649.5	7,965.1	7,650.5	28.4	36.8	-174.24	-1,151.1	-1,308.5	1,241.3	1,184.0	57.29	21.665	
7,900.0	7,749.5	8,065.1	7,750.5	28.6	36.9	-174.24	-1,151.1	-1,308.5	1,241.3	1,183.7	57.54	21.572	
8,000.0	7,849.5	8,165.1	7,850.5	28.7	37.0	-174.24	-1,151.1	-1,308.5	1,241.3	1,183.5	57.79	21.479	
8,100.0	7,949.5	8,265.1	7,950.5	28.8	37.1	-174.24	-1,151.1	-1,308.5	1,241.3	1,183.2	58.04	21.386	
8,150.0	7,999.5	8,315.1	8,000.5	28.9	37.1	-174.24	-1,151.1	-1,308.5	1,241.3	1,183.1	58.17	21.339	
8,175.5	8,025.0	8,339.6	8,025.0	28.9	37.2	-174.24	-1,151.1	-1,308.5	1,241.3	1,183.0	58.23	21.316	

Offset Design SRC Olson 41-3 Pad Sec.3-T3N-R68W - SRC Olson 3CD - Wellbore #1 - Plan #1 (7-1-12)													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		
0.0	0.0	1.0	1.0	0.0	0.0	-143.95	-36.4	-26.5	45.1	45.1	0.00	N/A		
100.0	100.0	101.0	101.0	0.1	0.1	-143.95	-36.4	-26.5	45.1	44.8	0.23	198.479		
166.3	166.3	167.3	167.3	0.3	0.3	-143.95	-36.4	-26.5	45.1	44.5	0.53	85.793 CC		
200.0	200.0	201.0	201.0	0.3	0.3	-143.95	-36.4	-26.5	45.1	44.4	0.68	66.621 ES		
300.0	300.0	300.0	300.0	0.6	0.5	-59.59	-37.7	-27.7	45.9	44.8	1.10	41.899		
400.0	399.8	397.7	397.6	0.8	0.8	-63.93	-41.5	-31.1	48.5	47.0	1.52	31.930		
500.0	499.5	495.8	495.2	1.0	1.0	-70.15	-47.7	-36.8	53.4	51.4	1.99	26.867		
600.0	598.7	593.4	592.2	1.3	1.3	-77.02	-56.3	-44.7	61.2	58.6	2.52	24.286		
700.0	697.5	690.5	688.2	1.7	1.6	-83.51	-67.3	-54.8	72.1	68.9	3.13	23.028		
800.0	795.6	788.9	785.0	2.0	2.0	-89.67	-80.1	-66.5	85.4	81.6	3.83	22.280		
900.0	893.1	887.3	881.8	2.5	2.3	-96.02	-92.8	-78.1	99.8	95.2	4.62	21.603		
966.6	957.5	952.6	946.1	2.8	2.6	-100.23	-101.3	-85.9	110.4	105.2	5.19	21.265		
1,000.0	989.7	985.2	978.3	3.0	2.7	-102.33	-105.5	-89.8	115.9	110.4	5.48	21.145		
1,100.0	1,086.1	1,083.1	1,074.6	3.5	3.1	-107.54	-118.2	-101.4	133.4	127.0	6.36	20.972		
1,200.0	1,182.6	1,180.9	1,170.9	4.1	3.5	-111.54	-130.9	-113.0	151.6	144.4	7.23	20.970		
1,300.0	1,279.0	1,278.7	1,267.2	4.6	3.9	-114.67	-143.6	-124.6	170.5	162.4	8.10	21.053		
1,400.0	1,375.5	1,376.5	1,363.5	5.2	4.3	-117.18	-156.3	-136.2	189.7	180.7	8.96	21.176		
1,500.0	1,471.9	1,474.4	1,459.8	5.7	4.7	-119.22	-169.0	-147.9	209.2	199.4	9.81	21.318		
1,600.0	1,568.3	1,572.2	1,556.1	6.3	5.1	-120.92	-181.7	-159.5	229.0	218.3	10.67	21.463		
1,700.0	1,664.8	1,670.0	1,652.4	6.9	5.5	-122.35	-194.4	-171.1	248.9	237.3	11.52	21.607		
1,800.0	1,761.2	1,767.8	1,748.7	7.4	5.9	-123.56	-207.1	-182.7	268.9	256.5	12.37	21.745		
1,900.0	1,857.7	1,865.7	1,845.0	8.0	6.3	-124.61	-219.8	-194.3	289.0	275.8	13.21	21.875		
2,000.0	1,954.1	1,963.5	1,941.3	8.6	6.7	-125.52	-232.5	-205.9	309.2	295.2	14.06	21.999		
2,100.0	2,050.5	2,061.3	2,037.6	9.1	7.1	-126.32	-245.2	-217.6	329.5	314.6	14.90	22.114		
2,200.0	2,147.0	2,159.2	2,133.9	9.7	7.5	-127.02	-257.9	-229.2	349.8	334.1	15.74	22.222		
2,300.0	2,243.4	2,257.0	2,230.2	10.3	7.9	-127.65	-270.6	-240.8	370.2	353.6	16.58	22.323		
2,400.0	2,339.9	2,354.8	2,326.5	10.8	8.3	-128.22	-283.3	-252.4	390.6	373.2	17.42	22.417		
2,500.0	2,436.3	2,452.6	2,422.8	11.4	8.7	-128.72	-296.0	-264.0	411.0	392.8	18.26	22.505		
2,600.0	2,532.7	2,550.5	2,519.1	12.0	9.1	-129.18	-308.7	-275.7	431.5	412.4	19.10	22.587		
2,700.0	2,629.2	2,648.3	2,615.4	12.5	9.5	-129.60	-321.4	-287.3	452.0	432.0	19.94	22.664		
2,800.0	2,725.6	2,746.1	2,711.7	13.1	9.9	-129.98	-334.1	-298.9	472.5	451.7	20.78	22.736		
2,900.0	2,822.1	2,843.9	2,808.0	13.7	10.3	-130.33	-346.8	-310.5	493.0	471.4	21.62	22.804		
3,000.0	2,918.5	2,941.8	2,904.3	14.2	10.7	-130.66	-359.4	-322.1	513.6	491.1	22.46	22.867		
3,100.0	3,014.9	3,039.6	3,000.6	14.8	11.1	-130.95	-372.1	-333.7	534.1	510.8	23.30	22.927		
3,200.0	3,111.4	3,137.4	3,096.9	15.4	11.5	-131.23	-384.8	-345.4	554.7	530.6	24.14	22.984		
3,300.0	3,207.8	3,235.2	3,193.2	15.9	11.9	-131.48	-397.5	-357.0	575.3	550.3	24.97	23.037		
3,400.0	3,304.3	3,333.1	3,289.5	16.5	12.3	-131.72	-410.2	-368.6	595.9	570.1	25.81	23.088		
3,500.0	3,400.7	3,430.9	3,385.8	17.1	12.7	-131.94	-422.9	-380.2	616.5	589.9	26.65	23.135		
3,600.0	3,497.1	3,528.7	3,482.1	17.7	13.1	-132.15	-435.6	-391.8	637.1	609.6	27.49	23.180		
3,700.0	3,593.6	3,626.6	3,578.4	18.2	13.5	-132.35	-448.3	-403.4	657.8	629.4	28.32	23.223		
3,800.0	3,690.0	3,724.4	3,674.7	18.8	13.9	-132.53	-461.0	-415.1	678.4	649.2	29.16	23.264		
3,900.0	3,786.5	3,822.2	3,771.0	19.4	14.3	-132.70	-473.7	-426.7	699.0	669.0	30.00	23.303		
4,000.0	3,882.9	3,920.0	3,867.3	19.9	14.7	-132.86	-486.4	-438.3	719.7	688.8	30.83	23.340		
4,100.0	3,979.4	4,017.9	3,963.6	20.5	15.1	-133.02	-499.1	-449.9	740.3	708.6	31.67	23.375		
4,200.0	4,075.8	4,115.7	4,059.9	21.1	15.5	-133.16	-511.8	-461.5	761.0	728.4	32.51	23.408		
4,300.0	4,172.2	4,213.5	4,156.2	21.6	15.9	-133.30	-524.5	-473.2	781.6	748.3	33.34	23.440		
4,400.0	4,268.7	4,311.3	4,252.5	22.2	16.3	-133.43	-537.2	-484.8	802.3	768.1	34.18	23.471		
4,500.0	4,365.1	4,409.2	4,348.8	22.8	16.7	-133.55	-549.9	-496.4	822.9	787.9	35.02	23.500		
4,600.0	4,461.6	4,508.8	4,446.9	23.4	17.0	-133.70	-562.5	-507.9	843.5	807.7	35.81	23.553		
4,683.9	4,542.5	4,593.7	4,531.0	23.8	17.2	-133.99	-571.5	-516.1	860.6	824.2	36.37	23.662		
4,700.0	4,558.0	4,610.0	4,547.2	23.9	17.3	-134.10	-573.0	-517.5	863.8	827.3	36.47	23.688		
4,800.0	4,655.0	4,711.4	4,648.0	24.3	17.5	-134.83	-580.9	-524.8	882.1	845.2	36.96	23.868		

Company:	Synergy Resources	Local Co-ordinate Reference:	Well SRC Olson 31-3D
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 31-3D	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						
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	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
4,900.0	4,752.8	4,813.0	4,749.3	24.7	17.7	-135.57	-586.1	-529.6	897.8	860.4	37.36	24.029	
5,000.0	4,851.3	4,914.7	4,851.0	25.0	17.8	-136.31	-588.7	-532.0	910.7	873.0	37.68	24.170	
5,100.0	4,950.3	5,015.1	4,951.3	25.2	17.9	-137.03	-589.1	-532.2	920.9	883.0	37.92	24.284	
5,200.0	5,049.8	5,114.5	5,050.8	25.4	18.0	-137.57	-589.1	-532.2	928.6	890.5	38.13	24.351	
5,300.0	5,149.5	5,214.3	5,150.5	25.6	18.2	-137.93	-589.1	-532.2	933.8	895.5	38.33	24.361	
5,400.0	5,249.5	5,314.2	5,250.5	25.7	18.3	-138.11	-589.1	-532.2	936.4	897.9	38.51	24.313	
5,450.5	5,300.0	5,364.8	5,301.0	25.8	18.3	135.92	-589.1	-532.2	936.7	898.1	38.61	24.264	
5,500.0	5,349.5	5,414.2	5,350.5	25.8	18.4	135.92	-589.1	-532.2	936.7	898.0	38.72	24.193	
5,600.0	5,449.5	5,514.2	5,450.5	25.9	18.5	135.92	-589.1	-532.2	936.7	897.8	38.96	24.046	
5,700.0	5,549.5	5,614.2	5,550.5	26.0	18.6	135.92	-589.1	-532.2	936.7	897.5	39.20	23.899	
5,800.0	5,649.5	5,714.2	5,650.5	26.1	18.7	135.92	-589.1	-532.2	936.7	897.3	39.44	23.751	
5,900.0	5,749.5	5,814.2	5,750.5	26.2	18.9	135.92	-589.1	-532.2	936.7	897.0	39.69	23.603	
6,000.0	5,849.5	5,914.2	5,850.5	26.3	19.0	135.92	-589.1	-532.2	936.7	896.8	39.94	23.455	
6,100.0	5,949.5	6,014.2	5,950.5	26.4	19.1	135.92	-589.1	-532.2	936.7	896.5	40.19	23.306	
6,200.0	6,049.5	6,114.2	6,050.5	26.5	19.3	135.92	-589.1	-532.2	936.7	896.3	40.45	23.157	
6,300.0	6,149.5	6,214.2	6,150.5	26.6	19.4	135.92	-589.1	-532.2	936.7	896.0	40.71	23.009	
6,400.0	6,249.5	6,314.2	6,250.5	26.8	19.5	135.92	-589.1	-532.2	936.7	895.8	40.98	22.860	
6,500.0	6,349.5	6,414.2	6,350.5	26.9	19.7	135.92	-589.1	-532.2	936.7	895.5	41.24	22.712	
6,600.0	6,449.5	6,514.2	6,450.5	27.0	19.8	135.92	-589.1	-532.2	936.7	895.2	41.51	22.564	
6,700.0	6,549.5	6,614.2	6,550.5	27.1	19.9	135.92	-589.1	-532.2	936.7	894.9	41.79	22.416	
6,800.0	6,649.5	6,714.2	6,650.5	27.2	20.1	135.92	-589.1	-532.2	936.7	894.7	42.07	22.268	
6,900.0	6,749.5	6,814.2	6,750.5	27.3	20.2	135.92	-589.1	-532.2	936.7	894.4	42.35	22.121	
7,000.0	6,849.5	6,914.2	6,850.5	27.4	20.3	135.92	-589.1	-532.2	936.7	894.1	42.63	21.974	
7,100.0	6,949.5	7,014.2	6,950.5	27.6	20.5	135.92	-589.1	-532.2	936.7	893.8	42.91	21.828	
7,200.0	7,049.5	7,114.2	7,050.5	27.7	20.6	135.92	-589.1	-532.2	936.7	893.5	43.20	21.682	
7,300.0	7,149.5	7,214.2	7,150.5	27.8	20.8	135.92	-589.1	-532.2	936.7	893.2	43.49	21.537	
7,400.0	7,249.5	7,314.2	7,250.5	27.9	20.9	135.92	-589.1	-532.2	936.7	892.9	43.79	21.393	
7,500.0	7,349.5	7,414.2	7,350.5	28.1	21.1	135.92	-589.1	-532.2	936.7	892.6	44.08	21.249	
7,600.0	7,449.5	7,514.2	7,450.5	28.2	21.2	135.92	-589.1	-532.2	936.7	892.3	44.38	21.106	
7,700.0	7,549.5	7,614.2	7,550.5	28.3	21.4	135.92	-589.1	-532.2	936.7	892.0	44.68	20.963	
7,800.0	7,649.5	7,714.2	7,650.5	28.4	21.5	135.92	-589.1	-532.2	936.7	891.7	44.99	20.822	
7,900.0	7,749.5	7,814.2	7,750.5	28.6	21.7	135.92	-589.1	-532.2	936.7	891.4	45.30	20.681	
8,000.0	7,849.5	7,914.2	7,850.5	28.7	21.8	135.92	-589.1	-532.2	936.7	891.1	45.60	20.541	
8,100.0	7,949.5	8,014.2	7,950.5	28.8	22.0	135.92	-589.1	-532.2	936.7	890.8	45.92	20.401	
8,150.0	7,999.5	8,064.2	8,000.5	28.9	22.1	135.92	-589.1	-532.2	936.7	890.7	46.07	20.332	
8,175.5	8,025.0	8,088.8	8,025.0	28.9	22.1	135.92	-589.1	-532.2	936.7	890.6	46.15	20.298 SF	

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							
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	0.0	0.0	0.0	0.0	35.73	12.0	8.7	14.8	14.8	0.00	N/A		
100.0	100.0	100.0	100.0	0.1	0.1	35.73	12.0	8.7	14.8	14.6	0.22	65.913		
200.0	200.0	200.0	200.0	0.3	0.3	35.73	12.0	8.7	14.8	14.1	0.67	21.971 CC, ES		
300.0	300.0	300.0	300.0	0.6	0.6	127.06	12.0	8.7	15.8	14.7	1.12	14.150		
400.0	399.8	399.8	399.8	0.8	0.8	139.43	12.0	8.7	19.4	17.8	1.57	12.395 SF		
500.0	499.5	499.5	499.5	1.0	1.0	151.63	12.0	8.7	26.6	24.6	2.03	13.156		
600.0	598.7	598.7	598.7	1.3	1.2	160.35	12.0	8.7	37.8	35.3	2.49	15.212		
700.0	697.5	697.5	697.5	1.7	1.5	165.99	12.0	8.7	52.8	49.9	2.95	17.923		
800.0	795.6	795.6	795.6	2.0	1.7	169.62	12.0	8.7	71.5	68.1	3.41	20.969		
900.0	893.1	893.1	893.1	2.5	1.9	172.04	12.0	8.7	93.7	89.9	3.87	24.194		
966.6	957.5	957.5	957.5	2.8	2.0	173.21	12.0	8.7	110.5	106.3	4.18	26.400		
1,000.0	989.7	989.7	989.7	3.0	2.1	173.71	12.0	8.7	119.2	114.9	4.34	27.464		
1,100.0	1,086.1	1,086.1	1,086.1	3.5	2.3	174.85	12.0	8.7	145.6	140.7	4.82	30.218		
1,200.0	1,182.6	1,182.6	1,182.6	4.1	2.5	175.64	12.0	8.7	171.9	166.6	5.30	32.453		
1,300.0	1,279.0	1,279.0	1,279.0	4.6	2.8	176.22	12.0	8.7	198.3	192.5	5.78	34.297		
1,400.0	1,375.5	1,375.5	1,375.5	5.2	3.0	176.67	12.0	8.7	224.7	218.4	6.27	35.842		
1,500.0	1,471.9	1,471.9	1,471.9	5.7	3.2	177.02	12.0	8.7	251.1	244.3	6.76	37.152		
1,600.0	1,568.3	1,568.3	1,568.3	6.3	3.4	177.30	12.0	8.7	277.5	270.3	7.25	38.277		
1,700.0	1,664.8	1,664.8	1,664.8	6.9	3.6	177.54	12.0	8.7	303.9	296.2	7.74	39.252		
1,800.0	1,761.2	1,761.2	1,761.2	7.4	3.8	177.73	12.0	8.7	330.4	322.1	8.24	40.105		
1,900.0	1,857.7	1,857.7	1,857.7	8.0	4.1	177.90	12.0	8.7	356.8	348.0	8.73	40.857		
2,000.0	1,954.1	1,954.1	1,954.1	8.6	4.3	178.05	12.0	8.7	383.2	374.0	9.23	41.525		
2,100.0	2,050.5	2,050.5	2,050.5	9.1	4.5	178.17	12.0	8.7	409.6	399.9	9.73	42.121		
2,200.0	2,147.0	2,147.0	2,147.0	9.7	4.7	178.28	12.0	8.7	436.1	425.8	10.22	42.657		
2,300.0	2,243.4	2,243.4	2,243.4	10.3	4.9	178.38	12.0	8.7	462.5	451.8	10.72	43.141		
2,400.0	2,339.9	2,339.9	2,339.9	10.8	5.1	178.47	12.0	8.7	488.9	477.7	11.22	43.581		
2,500.0	2,436.3	2,436.3	2,436.3	11.4	5.4	178.55	12.0	8.7	515.4	503.6	11.72	43.981		
2,600.0	2,532.7	2,532.7	2,532.7	12.0	5.6	178.62	12.0	8.7	541.8	529.6	12.22	44.348		
2,700.0	2,629.2	2,629.2	2,629.2	12.5	5.8	178.68	12.0	8.7	568.2	555.5	12.72	44.685		
2,800.0	2,725.6	2,725.6	2,725.6	13.1	6.0	178.74	12.0	8.7	594.7	581.5	13.22	44.995		
2,900.0	2,822.1	2,822.1	2,822.1	13.7	6.2	178.79	12.0	8.7	621.1	607.4	13.72	45.281		
3,000.0	2,918.5	2,918.5	2,918.5	14.2	6.4	178.84	12.0	8.7	647.5	633.3	14.22	45.547		
3,100.0	3,014.9	3,014.9	3,014.9	14.8	6.7	178.89	12.0	8.7	674.0	659.3	14.72	45.794		
3,200.0	3,111.4	3,111.4	3,111.4	15.4	6.9	178.93	12.0	8.7	700.4	685.2	15.22	46.024		
3,300.0	3,207.8	3,207.8	3,207.8	15.9	7.1	178.97	12.0	8.7	726.9	711.1	15.72	46.239		
3,400.0	3,304.3	3,304.3	3,304.3	16.5	7.3	179.01	12.0	8.7	753.3	737.1	16.22	46.440		
3,500.0	3,400.7	3,400.7	3,400.7	17.1	7.5	179.04	12.0	8.7	779.7	763.0	16.72	46.628		
3,600.0	3,497.1	3,497.1	3,497.1	17.7	7.7	179.07	12.0	8.7	806.2	789.0	17.22	46.805		
3,700.0	3,593.6	3,593.6	3,593.6	18.2	8.0	179.10	12.0	8.7	832.6	814.9	17.73	46.972		
3,800.0	3,690.0	3,690.0	3,690.0	18.8	8.2	179.13	12.0	8.7	859.1	840.8	18.23	47.129		
3,900.0	3,786.5	3,786.5	3,786.5	19.4	8.4	179.15	12.0	8.7	885.5	866.8	18.73	47.277		
4,000.0	3,882.9	3,882.9	3,882.9	19.9	8.6	179.18	12.0	8.7	911.9	892.7	19.23	47.417		
4,100.0	3,979.4	3,979.4	3,979.4	20.5	8.8	179.20	12.0	8.7	938.4	918.6	19.73	47.550		
4,200.0	4,075.8	4,075.8	4,075.8	21.1	9.0	179.22	12.0	8.7	964.8	944.6	20.24	47.676		
4,300.0	4,172.2	4,172.2	4,172.2	21.6	9.3	179.24	12.0	8.7	991.3	970.5	20.74	47.795		
4,400.0	4,268.7	4,268.7	4,268.7	22.2	9.5	179.26	12.0	8.7	1,017.7	996.5	21.24	47.909		
4,500.0	4,365.1	4,365.1	4,365.1	22.8	9.7	179.28	12.0	8.7	1,044.1	1,022.4	21.75	48.017		
4,600.0	4,461.6	4,461.6	4,461.6	23.4	9.9	179.30	12.0	8.7	1,070.6	1,048.3	22.25	48.120		
4,683.9	4,542.5	4,542.5	4,542.5	23.8	10.1	179.31	12.0	8.7	1,092.8	1,070.1	22.67	48.202		
4,700.0	4,558.0	4,558.0	4,558.0	23.9	10.1	179.32	12.0	8.7	1,097.0	1,074.2	22.76	48.195		
4,800.0	4,655.0	4,655.0	4,655.0	24.3	10.4	179.34	12.0	8.7	1,121.2	1,097.9	23.29	48.147		
4,900.0	4,752.8	4,752.8	4,752.8	24.7	10.6	179.36	12.0	8.7	1,142.0	1,118.2	23.78	48.027		

Company:	Synergy Resources	Local Co-ordinate Reference:	Well SRC Olson 31-3D
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 31-3D	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			
5,000.0	4,851.3	4,851.3	4,851.3	25.0	10.8	179.37	12.0	8.7	1,159.4	1,135.1	24.23	47.839			
5,100.0	4,950.3	4,950.3	4,950.3	25.2	11.0	179.38	12.0	8.7	1,173.3	1,148.7	24.65	47.590			
5,200.0	5,049.8	5,049.8	5,049.8	25.4	11.2	179.39	12.0	8.7	1,183.8	1,158.7	25.04	47.282			
5,300.0	5,149.5	5,149.5	5,149.5	25.6	11.5	179.39	12.0	8.7	1,190.8	1,165.4	25.38	46.917			
5,400.0	5,249.5	5,249.5	5,249.5	25.7	11.7	179.40	12.0	8.7	1,194.3	1,168.6	25.68	46.499			
5,450.5	5,300.0	5,300.0	5,300.0	25.8	11.8	93.45	12.0	8.7	1,194.7	1,168.9	25.83	46.260			
5,500.0	5,349.5	5,349.5	5,349.5	25.8	11.9	93.45	12.0	8.7	1,194.7	1,168.7	26.02	45.922			
5,600.0	5,449.5	5,449.5	5,449.5	25.9	12.1	93.45	12.0	8.7	1,194.7	1,168.3	26.40	45.248			
5,700.0	5,549.5	5,549.5	5,549.5	26.0	12.4	93.45	12.0	8.7	1,194.7	1,167.9	26.79	44.590			
5,800.0	5,649.5	5,649.5	5,649.5	26.1	12.6	93.45	12.0	8.7	1,194.7	1,167.5	27.19	43.948			
5,900.0	5,749.5	5,749.5	5,749.5	26.2	12.8	93.45	12.0	8.7	1,194.7	1,167.2	27.58	43.322			
6,000.0	5,849.5	5,849.5	5,849.5	26.3	13.0	93.45	12.0	8.7	1,194.7	1,166.8	27.97	42.712			
6,100.0	5,949.5	5,949.5	5,949.5	26.4	13.3	93.45	12.0	8.7	1,194.7	1,166.4	28.37	42.116			
6,200.0	6,049.5	6,049.5	6,049.5	26.5	13.5	93.45	12.0	8.7	1,194.7	1,166.0	28.76	41.535			
6,300.0	6,149.5	6,149.5	6,149.5	26.6	13.7	93.45	12.0	8.7	1,194.7	1,165.6	29.16	40.968			
6,400.0	6,249.5	6,249.5	6,249.5	26.8	13.9	93.45	12.0	8.7	1,194.7	1,165.2	29.56	40.414			
6,500.0	6,349.5	6,349.5	6,349.5	26.9	14.2	93.45	12.0	8.7	1,194.7	1,164.8	29.96	39.873			
6,600.0	6,449.5	6,449.5	6,449.5	27.0	14.4	93.45	12.0	8.7	1,194.7	1,164.4	30.37	39.345			
6,700.0	6,549.5	6,549.5	6,549.5	27.1	14.6	93.45	12.0	8.7	1,194.7	1,164.0	30.77	38.829			
6,800.0	6,649.5	6,649.5	6,649.5	27.2	14.8	93.45	12.0	8.7	1,194.7	1,163.6	31.17	38.325			
6,900.0	6,749.5	6,749.5	6,749.5	27.3	15.1	93.45	12.0	8.7	1,194.7	1,163.2	31.58	37.833			
7,000.0	6,849.5	6,849.5	6,849.5	27.4	15.3	93.45	12.0	8.7	1,194.7	1,162.7	31.99	37.352			
7,100.0	6,949.5	6,949.5	6,949.5	27.6	15.5	93.45	12.0	8.7	1,194.7	1,162.3	32.39	36.882			
7,200.0	7,049.5	7,049.5	7,049.5	27.7	15.7	93.45	12.0	8.7	1,194.7	1,161.9	32.80	36.423			
7,300.0	7,149.5	7,149.5	7,149.5	27.8	16.0	93.45	12.0	8.7	1,194.7	1,161.5	33.21	35.973			
7,400.0	7,249.5	7,249.5	7,249.5	27.9	16.2	93.45	12.0	8.7	1,194.7	1,161.1	33.62	35.534			
7,500.0	7,349.5	7,349.5	7,349.5	28.1	16.4	93.45	12.0	8.7	1,194.7	1,160.7	34.03	35.104			
7,600.0	7,449.5	7,449.5	7,449.5	28.2	16.6	93.45	12.0	8.7	1,194.7	1,160.3	34.45	34.684			
7,700.0	7,549.5	7,549.5	7,549.5	28.3	16.9	93.45	12.0	8.7	1,194.7	1,159.9	34.86	34.273			
7,800.0	7,649.5	7,649.5	7,649.5	28.4	17.1	93.45	12.0	8.7	1,194.7	1,159.5	35.27	33.871			
7,900.0	7,749.5	7,749.5	7,749.5	28.6	17.3	93.45	12.0	8.7	1,194.7	1,159.0	35.69	33.477			
8,000.0	7,849.5	7,849.5	7,849.5	28.7	17.5	93.45	12.0	8.7	1,194.7	1,158.6	36.10	33.092			
8,100.0	7,949.5	7,949.5	7,949.5	28.8	17.8	93.45	12.0	8.7	1,194.7	1,158.2	36.52	32.714			
8,175.5	8,025.0	8,025.0	8,025.0	28.9	17.9	93.45	12.0	8.7	1,194.7	1,157.9	36.84	32.435			

Offset Design SRC Olson 41-3 Pad Sec.3-T3N-R68W - SRC Olson 42-3D - 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	
0.0	0.0	0.0	0.0	0.0	0.0	-143.41	-12.0	-8.9	15.0	15.0	0.00	N/A	
100.0	100.0	100.0	100.0	0.1	0.1	-143.41	-12.0	-8.9	15.0	14.8	0.22	66.661	
200.0	200.0	200.0	200.0	0.3	0.3	-143.41	-12.0	-8.9	15.0	14.3	0.67	22.220	
300.0	300.0	299.9	299.8	0.6	0.5	-70.23	-13.1	-7.6	14.5	13.4	1.10	13.232	
306.7	306.6	306.5	306.5	0.6	0.6	-72.03	-13.3	-7.4	14.5	13.4	1.13	12.885 CC, ES	
400.0	399.8	399.1	398.9	0.8	0.8	-104.90	-16.5	-3.6	17.3	15.8	1.54	11.245 SF	
500.0	499.5	497.1	496.6	1.0	1.0	-131.53	-22.1	2.5	29.6	27.5	2.04	14.506	
600.0	598.7	594.2	593.2	1.3	1.2	-141.13	-30.7	8.3	49.0	46.5	2.52	19.484	
700.0	697.5	690.2	688.2	1.7	1.5	-144.30	-42.3	13.5	73.4	70.4	3.02	24.303	
800.0	795.6	784.6	781.5	2.0	1.8	-145.17	-56.9	17.9	102.1	98.5	3.56	28.674	
900.0	893.1	877.4	872.5	2.5	2.2	-145.09	-74.1	21.7	134.9	130.8	4.15	32.541	
966.6	957.5	938.2	931.9	2.8	2.5	-144.78	-86.9	23.8	159.0	154.4	4.56	34.846	
1,000.0	989.7	968.3	961.2	3.0	2.6	-144.69	-93.7	24.8	171.6	166.8	4.78	35.896	
1,100.0	1,086.1	1,057.9	1,048.0	3.5	3.0	-144.01	-115.8	27.3	210.2	204.7	5.46	38.491	
1,200.0	1,182.6	1,148.5	1,135.2	4.1	3.5	-143.03	-140.3	29.4	249.8	243.6	6.18	40.411	
1,300.0	1,279.0	1,240.2	1,223.4	4.6	4.0	-142.27	-165.2	31.4	289.6	282.7	6.92	41.841	
1,400.0	1,375.5	1,331.9	1,311.6	5.2	4.4	-141.70	-190.1	33.4	329.4	321.7	7.68	42.910	
1,500.0	1,471.9	1,423.5	1,399.9	5.7	4.9	-141.25	-215.0	35.5	369.2	360.8	8.44	43.728	
1,600.0	1,568.3	1,515.2	1,488.1	6.3	5.4	-140.88	-240.0	37.5	409.1	399.9	9.22	44.380	
1,700.0	1,664.8	1,606.9	1,576.3	6.9	6.0	-140.59	-264.9	39.6	448.9	438.9	10.00	44.901	
1,800.0	1,761.2	1,698.6	1,664.5	7.4	6.5	-140.34	-289.8	41.6	488.8	478.0	10.78	45.327	
1,900.0	1,857.7	1,790.3	1,752.7	8.0	7.0	-140.12	-314.7	43.7	528.7	517.1	11.57	45.678	
2,000.0	1,954.1	1,882.0	1,840.9	8.6	7.5	-139.94	-339.6	45.7	568.6	556.2	12.37	45.973	
2,100.0	2,050.5	1,973.7	1,929.1	9.1	8.0	-139.78	-364.6	47.8	608.5	595.3	13.16	46.224	
2,200.0	2,147.0	2,065.4	2,017.3	9.7	8.5	-139.64	-389.5	49.8	648.4	634.4	13.96	46.439	
2,300.0	2,243.4	2,157.0	2,105.6	10.3	9.0	-139.52	-414.4	51.9	688.2	673.5	14.76	46.625	
2,400.0	2,339.9	2,248.7	2,193.8	10.8	9.5	-139.41	-439.3	53.9	728.1	712.6	15.56	46.787	
2,500.0	2,436.3	2,340.4	2,282.0	11.4	10.1	-139.31	-464.2	56.0	768.0	751.7	16.37	46.930	
2,600.0	2,532.7	2,432.1	2,370.2	12.0	10.6	-139.22	-489.2	58.0	807.9	790.8	17.17	47.056	
2,700.0	2,629.2	2,523.8	2,458.4	12.5	11.1	-139.14	-514.1	60.1	847.8	829.9	17.97	47.168	
2,800.0	2,725.6	2,615.5	2,546.6	13.1	11.6	-139.07	-539.0	62.1	887.7	869.0	18.78	47.269	
2,900.0	2,822.1	2,707.2	2,634.8	13.7	12.1	-139.01	-563.9	64.2	927.6	908.1	19.59	47.359	
3,000.0	2,918.5	2,798.9	2,723.1	14.2	12.7	-138.94	-588.8	66.2	967.6	947.2	20.40	47.440	
3,100.0	3,014.9	2,890.6	2,811.3	14.8	13.2	-138.89	-613.8	68.3	1,007.5	986.3	21.20	47.514	
3,200.0	3,111.4	2,982.2	2,899.5	15.4	13.7	-138.84	-638.7	70.3	1,047.4	1,025.3	22.01	47.581	
3,300.0	3,207.8	3,073.9	2,987.7	15.9	14.2	-138.79	-663.6	72.3	1,087.3	1,064.4	22.82	47.643	
3,400.0	3,304.3	3,165.6	3,075.9	16.5	14.7	-138.74	-688.5	74.4	1,127.2	1,103.5	23.63	47.699	
3,500.0	3,400.7	3,257.3	3,164.1	17.1	15.2	-138.70	-713.4	76.4	1,167.1	1,142.6	24.44	47.751	
3,600.0	3,497.1	3,349.0	3,252.3	17.7	15.8	-138.66	-738.4	78.5	1,207.0	1,181.7	25.25	47.798	
3,700.0	3,593.6	3,440.7	3,340.5	18.2	16.3	-138.63	-763.3	80.5	1,246.9	1,220.8	26.06	47.842	
3,800.0	3,690.0	3,532.4	3,428.8	18.8	16.8	-138.59	-788.2	82.6	1,286.8	1,259.9	26.87	47.883	
3,900.0	3,786.5	3,624.1	3,517.0	19.4	17.3	-138.56	-813.1	84.6	1,326.7	1,299.0	27.69	47.921	
4,000.0	3,882.9	3,715.8	3,605.2	19.9	17.8	-138.53	-838.0	86.7	1,366.6	1,338.1	28.50	47.956	
4,100.0	3,979.4	3,807.4	3,693.4	20.5	18.4	-138.50	-863.0	88.7	1,406.5	1,377.2	29.31	47.989	
4,200.0	4,075.8	3,899.1	3,781.6	21.1	18.9	-138.47	-887.9	90.8	1,446.4	1,416.3	30.12	48.020	
4,300.0	4,172.2	3,990.8	3,869.8	21.6	19.4	-138.45	-912.8	92.8	1,486.4	1,455.4	30.93	48.048	
4,400.0	4,268.7	4,082.5	3,958.0	22.2	19.9	-138.42	-937.7	94.9	1,526.3	1,494.5	31.75	48.075	
4,500.0	4,365.1	4,174.2	4,046.3	22.8	20.4	-138.40	-962.6	96.9	1,566.2	1,533.6	32.56	48.100	
4,600.0	4,461.6	4,265.9	4,134.5	23.4	21.0	-138.38	-987.6	99.0	1,606.1	1,572.7	33.37	48.124	
4,683.9	4,542.5	4,342.8	4,208.5	23.8	21.4	-138.36	-1,008.5	100.7	1,639.6	1,605.5	34.06	48.142	
4,700.0	4,558.0	4,357.6	4,222.7	23.9	21.5	-138.45	-1,012.5	101.0	1,646.0	1,611.8	34.20	48.124	
4,800.0	4,655.0	4,449.9	4,311.5	24.3	22.0	-138.92	-1,037.6	103.1	1,684.3	1,649.3	35.03	48.077	

Offset Design													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)			
4,900.0	4,752.8	4,543.2	4,401.2	24.7	22.5	-139.27	-1,062.9	105.2	1,720.2	1,684.3	35.83	48.013		
5,000.0	4,851.3	4,637.2	4,491.7	25.0	23.1	-139.50	-1,088.5	107.3	1,753.6	1,717.0	36.58	47.938		
5,100.0	4,950.3	4,731.9	4,582.8	25.2	23.6	-139.63	-1,114.2	109.4	1,784.5	1,747.2	37.29	47.854		
5,200.0	5,049.8	4,827.1	4,674.4	25.4	24.2	-139.66	-1,140.1	111.5	1,813.0	1,775.0	37.95	47.767		
5,300.0	5,149.5	4,970.5	4,812.8	25.6	24.8	-139.40	-1,177.5	114.6	1,838.3	1,799.7	38.66	47.546		
5,400.0	5,249.5	5,163.4	5,001.5	25.7	25.4	-138.96	-1,217.3	117.8	1,856.8	1,817.5	39.33	47.212		
5,450.5	5,300.0	5,263.0	5,099.8	25.8	25.7	135.30	-1,232.8	119.1	1,863.2	1,823.6	39.62	47.033		
5,500.0	5,349.5	5,361.4	5,197.5	25.8	25.9	135.54	-1,244.9	120.1	1,867.9	1,828.0	39.87	46.852		
5,600.0	5,449.5	5,562.4	5,397.9	25.9	26.2	135.82	-1,259.0	121.3	1,873.4	1,833.0	40.30	46.480		
5,700.0	5,549.5	5,713.9	5,549.5	26.0	26.4	135.85	-1,260.8	121.4	1,874.0	1,833.4	40.61	46.144		
5,800.0	5,649.5	5,813.9	5,649.5	26.1	26.5	135.85	-1,260.8	121.4	1,874.0	1,833.2	40.84	45.890		
5,900.0	5,749.5	5,913.9	5,749.5	26.2	26.6	135.85	-1,260.8	121.4	1,874.0	1,833.0	41.07	45.634		
6,000.0	5,849.5	6,013.9	5,849.5	26.3	26.6	135.85	-1,260.8	121.4	1,874.0	1,832.7	41.30	45.377		
6,100.0	5,949.5	6,113.9	5,949.5	26.4	26.7	135.85	-1,260.8	121.4	1,874.0	1,832.5	41.54	45.119		
6,200.0	6,049.5	6,213.9	6,049.5	26.5	26.8	135.85	-1,260.8	121.4	1,874.0	1,832.3	41.78	44.860		
6,300.0	6,149.5	6,313.9	6,149.5	26.6	26.9	135.85	-1,260.8	121.4	1,874.0	1,832.0	42.02	44.601		
6,400.0	6,249.5	6,413.9	6,249.5	26.8	27.0	135.85	-1,260.8	121.4	1,874.0	1,831.8	42.26	44.341		
6,500.0	6,349.5	6,513.9	6,349.5	26.9	27.1	135.85	-1,260.8	121.4	1,874.0	1,831.5	42.51	44.080		
6,600.0	6,449.5	6,613.9	6,449.5	27.0	27.2	135.85	-1,260.8	121.4	1,874.0	1,831.3	42.77	43.819		
6,700.0	6,549.5	6,713.9	6,549.5	27.1	27.2	135.85	-1,260.8	121.4	1,874.0	1,831.0	43.02	43.558		
6,800.0	6,649.5	6,813.9	6,649.5	27.2	27.3	135.85	-1,260.8	121.4	1,874.0	1,830.8	43.28	43.297		
6,900.0	6,749.5	6,913.9	6,749.5	27.3	27.4	135.85	-1,260.8	121.4	1,874.0	1,830.5	43.55	43.036		
7,000.0	6,849.5	7,013.9	6,849.5	27.4	27.5	135.85	-1,260.8	121.4	1,874.0	1,830.2	43.81	42.776		
7,100.0	6,949.5	7,113.9	6,949.5	27.6	27.6	135.85	-1,260.8	121.4	1,874.0	1,830.0	44.08	42.515		
7,200.0	7,049.5	7,213.9	7,049.5	27.7	27.7	135.85	-1,260.8	121.4	1,874.0	1,829.7	44.35	42.255		
7,300.0	7,149.5	7,313.9	7,149.5	27.8	27.8	135.85	-1,260.8	121.4	1,874.0	1,829.4	44.63	41.995		
7,400.0	7,249.5	7,413.9	7,249.5	27.9	27.9	135.85	-1,260.8	121.4	1,874.0	1,829.1	44.90	41.736		
7,500.0	7,349.5	7,513.9	7,349.5	28.1	28.0	135.85	-1,260.8	121.4	1,874.0	1,828.9	45.18	41.477		
7,600.0	7,449.5	7,613.9	7,449.5	28.2	28.1	135.85	-1,260.8	121.4	1,874.0	1,828.6	45.47	41.219		
7,700.0	7,549.5	7,713.9	7,549.5	28.3	28.3	135.85	-1,260.8	121.4	1,874.0	1,828.3	45.75	40.962		
7,800.0	7,649.5	7,813.9	7,649.5	28.4	28.4	135.85	-1,260.8	121.4	1,874.0	1,828.0	46.04	40.706		
7,900.0	7,749.5	7,913.9	7,749.5	28.6	28.5	135.85	-1,260.8	121.4	1,874.0	1,827.7	46.33	40.451		
8,000.0	7,849.5	8,013.9	7,849.5	28.7	28.6	135.85	-1,260.8	121.4	1,874.0	1,827.4	46.62	40.197		
8,100.0	7,949.5	8,113.9	7,949.5	28.8	28.7	135.85	-1,260.8	121.4	1,874.0	1,827.1	46.92	39.944		
8,175.5	8,025.0	8,189.5	8,025.0	28.9	28.8	135.85	-1,260.8	121.4	1,874.0	1,826.9	47.14	39.753		

Company:	Synergy Resources	Local Co-ordinate Reference:	Well SRC Olson 31-3D
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 31-3D	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 31-3D
 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 31-3D
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 31-3D	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 31-3D
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°

