ENSIGN Directional

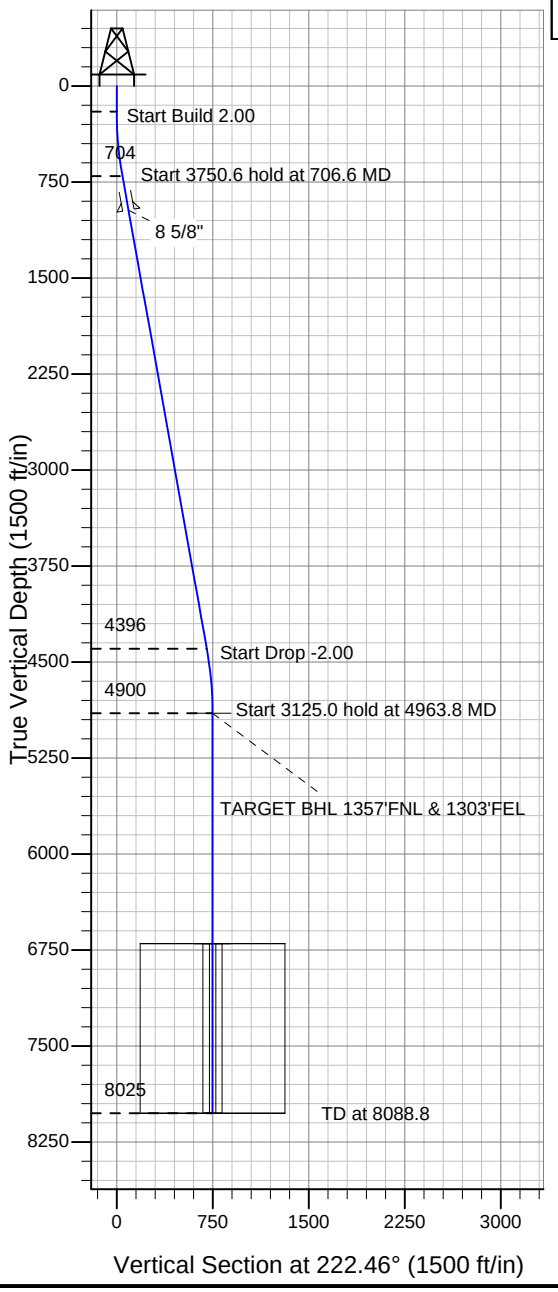
Well Name: SRC Olson 3CD

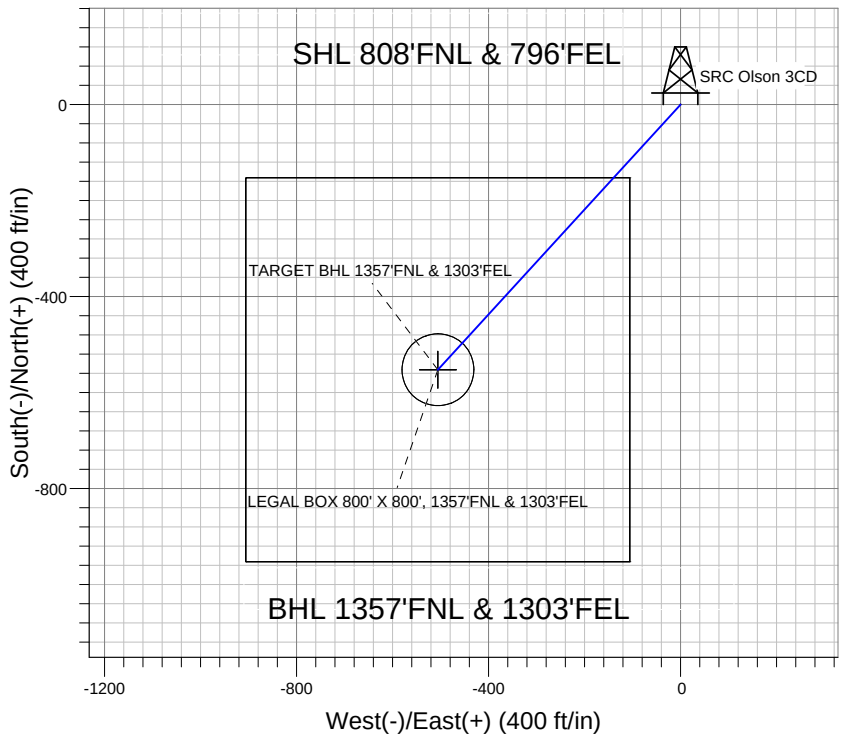
Surface Location: SRC Olson 41-3 Pad Sec.3-T3N-R68W
North American Datum 1983 , US State Plane 1983 , Colorado Northern Zone
Ground Elevation: 5042.0

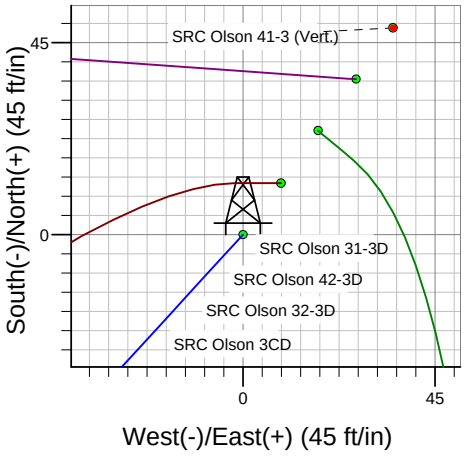
+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
0.0	0.0	1338132.15	3144363.92	40.260416	-104.982719	

Original Well Elev WELL @ 5055.0ft (Original Well Elev)

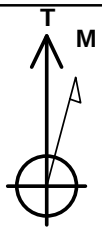
Synergy Resources







SRC Olson 41-3 Pad Sec.3-T3N-R68W
SRC Olson 3CD
Plan #1 (7-1-12)
9:36, July 03 2012



Azimuths to True North
Magnetic North: 8.83°

Magnetic Field
Strength: 52922.3snT
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 1357'FNL & 1303'FEL	4900.0	-552.6	-505.7	40.258899	-104.984531	Point
LEGAL BOX 800' X 800', 1357'FNL & 1303'FEL	6700.0	-552.6	-505.7	40.258899	-104.984531	Rectangle (Sides: L800.0 W800.0)
TARGET CIRCLE 1357'FNL & 1303'FEL	6700.0	-552.6	-505.7	40.258899	-104.984531	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	706.6	10.13	222.46	703.9	-33.0	-30.2	2.00	222.46	44.7	
4	4457.2	10.13	222.46	4396.1	-519.7	-475.6	0.00	0.00	704.4	
5	4963.8	0.00	0.00	4900.0	-552.6	-505.7	2.00	180.00	749.1	TARGET BHL 1357'FNL & 1303'FEL
6	8088.8	0.00	0.00	8025.0	-552.6	-505.7	0.00	0.00	749.1	

Synergy Resources

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

Wellbore #1

Plan: Plan #1 (7-1-12)

Standard Planning Report

03 July, 2012

Database:	Landmark	**Local Co-ordinate Reference:**	Well SRC Olson 3CD
Company:	Synergy Resources	**TVD Reference:**	WELL @ 5055.0ft (Original Well Elev)
Project:	SEC.3-T3N-R68W	**MD Reference:**	WELL @ 5055.0ft (Original Well Elev)
Site:	SRC Olson 41-3 Pad Sec.3-T3N-R68W	**North Reference:**	True
Well:	SRC Olson 3CD	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan #1 (7-1-12)		

Project SEC.3-T3N-R68W, Weld County, CO

Map System:	US State Plane 1983	**System Datum:**	Mean Sea Level
Geo Datum:	North American Datum 1983		Using Well Reference Point
Map Zone:	Colorado Northern Zone		Using geodetic scale factor

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

Site Position:		**Northing:**	1,338,180.83 ft	**Latitude:**	40.260549
From:	Lat/Long	**Easting:**	3,144,398.81 ft	**Longitude:**	-104.982593
Position Uncertainty:	0.0 ft	**Slot Radius:**	"	**Grid Convergence:**	0.33 °

Well SRC Olson 3CD

Well Position	**+N/-S**	-48.5 ft	**Northing:**	1,338,132.15 ft	**Latitude:**	40.260416
	+E/-W	-35.2 ft	**Easting:**	3,144,363.92 ft	**Longitude:**	-104.982719
Position Uncertainty		0.0 ft	**Wellhead Elevation:**	ft	**Ground Level:**	5,042.0 ft

Wellbore Wellbore #1

Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	7/2/2012	8.83	66.87	52,922

Design Plan #1 (7-1-12)

Audit Notes:

Version:		**Phase:**	PROTOTYPE	**Tie On Depth:**	0.0

Vertical Section:	Depth From (TVD) (ft)	+N/-S (ft)	+E/-W (ft)	Direction (°)
	0.0	0.0	0.0	222.46

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	
706.6	10.13	222.46	703.9	-33.0	-30.2	2.00	2.00	0.00	222.46	
4,457.2	10.13	222.46	4,396.1	-519.7	-475.6	0.00	0.00	0.00	0.00	
4,963.8	0.00	0.00	4,900.0	-552.6	-505.7	2.00	-2.00	0.00	180.00	TARGET BHL 1357
8,088.8	0.00	0.00	8,025.0	-552.6	-505.7	0.00	0.00	0.00	0.00	

Database:	Landmark	**Local Co-ordinate Reference:**	Well SRC Olson 3CD
Company:	Synergy Resources	**TVD Reference:**	WELL @ 5055.0ft (Original Well Elev)
Project:	SEC.3-T3N-R68W	**MD Reference:**	WELL @ 5055.0ft (Original Well Elev)
Site:	SRC Olson 41-3 Pad Sec.3-T3N-R68W	**North Reference:**	True
Well:	SRC Olson 3CD	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan #1 (7-1-12)		

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	222.46	240.0	-0.2	-0.2	0.3	2.00	2.00	0.00
280.0	1.60	222.46	280.0	-0.8	-0.8	1.1	2.00	2.00	0.00
320.0	2.40	222.46	320.0	-1.9	-1.7	2.5	2.00	2.00	0.00
360.0	3.20	222.46	359.9	-3.3	-3.0	4.5	2.00	2.00	0.00
400.0	4.00	222.46	399.8	-5.1	-4.7	7.0	2.00	2.00	0.00
440.0	4.80	222.46	439.7	-7.4	-6.8	10.0	2.00	2.00	0.00
480.0	5.60	222.46	479.6	-10.1	-9.2	13.7	2.00	2.00	0.00
520.0	6.40	222.46	519.3	-13.2	-12.1	17.9	2.00	2.00	0.00
560.0	7.20	222.46	559.1	-16.7	-15.3	22.6	2.00	2.00	0.00
600.0	8.00	222.46	598.7	-20.6	-18.8	27.9	2.00	2.00	0.00
640.0	8.80	222.46	638.3	-24.9	-22.8	33.7	2.00	2.00	0.00
680.0	9.60	222.46	677.8	-29.6	-27.1	40.1	2.00	2.00	0.00
706.6	10.13	222.46	703.9	-33.0	-30.2	44.7	2.00	2.00	0.00
720.0	10.13	222.46	717.2	-34.7	-31.8	47.0	0.00	0.00	0.00
760.0	10.13	222.46	756.5	-39.9	-36.5	54.1	0.00	0.00	0.00
800.0	10.13	222.46	795.9	-45.1	-41.3	61.1	0.00	0.00	0.00
840.0	10.13	222.46	835.3	-50.3	-46.0	68.1	0.00	0.00	0.00
880.0	10.13	222.46	874.7	-55.5	-50.8	75.2	0.00	0.00	0.00
920.0	10.13	222.46	914.0	-60.7	-55.5	82.2	0.00	0.00	0.00
960.0	10.13	222.46	953.4	-65.8	-60.3	89.3	0.00	0.00	0.00
976.9	10.13	222.46	970.0	-68.0	-62.3	92.2	0.00	0.00	0.00
8 5/8"									
1,000.0	10.13	222.46	992.8	-71.0	-65.0	96.3	0.00	0.00	0.00
1,040.0	10.13	222.46	1,032.2	-76.2	-69.8	103.3	0.00	0.00	0.00
1,080.0	10.13	222.46	1,071.5	-81.4	-74.5	110.4	0.00	0.00	0.00
1,120.0	10.13	222.46	1,110.9	-86.6	-79.3	117.4	0.00	0.00	0.00
1,160.0	10.13	222.46	1,150.3	-91.8	-84.0	124.4	0.00	0.00	0.00
1,200.0	10.13	222.46	1,189.7	-97.0	-88.8	131.5	0.00	0.00	0.00
1,240.0	10.13	222.46	1,229.0	-102.2	-93.5	138.5	0.00	0.00	0.00
1,280.0	10.13	222.46	1,268.4	-107.4	-98.3	145.5	0.00	0.00	0.00
1,320.0	10.13	222.46	1,307.8	-112.6	-103.0	152.6	0.00	0.00	0.00
1,360.0	10.13	222.46	1,347.2	-117.7	-107.8	159.6	0.00	0.00	0.00
1,400.0	10.13	222.46	1,386.6	-122.9	-112.5	166.7	0.00	0.00	0.00
1,440.0	10.13	222.46	1,425.9	-128.1	-117.3	173.7	0.00	0.00	0.00
1,480.0	10.13	222.46	1,465.3	-133.3	-122.0	180.7	0.00	0.00	0.00
1,520.0	10.13	222.46	1,504.7	-138.5	-126.8	187.8	0.00	0.00	0.00
1,560.0	10.13	222.46	1,544.1	-143.7	-131.5	194.8	0.00	0.00	0.00
1,600.0	10.13	222.46	1,583.4	-148.9	-136.3	201.8	0.00	0.00	0.00
1,640.0	10.13	222.46	1,622.8	-154.1	-141.0	208.9	0.00	0.00	0.00
1,680.0	10.13	222.46	1,662.2	-159.3	-145.8	215.9	0.00	0.00	0.00
1,720.0	10.13	222.46	1,701.6	-164.5	-150.5	222.9	0.00	0.00	0.00
1,760.0	10.13	222.46	1,740.9	-169.7	-155.3	230.0	0.00	0.00	0.00
1,800.0	10.13	222.46	1,780.3	-174.8	-160.0	237.0	0.00	0.00	0.00
1,840.0	10.13	222.46	1,819.7	-180.0	-164.8	244.1	0.00	0.00	0.00
1,880.0	10.13	222.46	1,859.1	-185.2	-169.5	251.1	0.00	0.00	0.00
1,920.0	10.13	222.46	1,898.4	-190.4	-174.3	258.1	0.00	0.00	0.00
1,960.0	10.13	222.46	1,937.8	-195.6	-179.0	265.2	0.00	0.00	0.00
2,000.0	10.13	222.46	1,977.2	-200.8	-183.8	272.2	0.00	0.00	0.00

Database:	Landmark	**Local Co-ordinate Reference:**	Well SRC Olson 3CD
Company:	Synergy Resources	**TVD Reference:**	WELL @ 5055.0ft (Original Well Elev)
Project:	SEC.3-T3N-R68W	**MD Reference:**	WELL @ 5055.0ft (Original Well Elev)
Site:	SRC Olson 41-3 Pad Sec.3-T3N-R68W	**North Reference:**	True
Well:	SRC Olson 3CD	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan #1 (7-1-12)		

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	10.13	222.46	2,016.6	-206.0	-188.5	279.2	0.00	0.00	0.00
2,080.0	10.13	222.46	2,055.9	-211.2	-193.3	286.3	0.00	0.00	0.00
2,120.0	10.13	222.46	2,095.3	-216.4	-198.0	293.3	0.00	0.00	0.00
2,160.0	10.13	222.46	2,134.7	-221.6	-202.8	300.3	0.00	0.00	0.00
2,200.0	10.13	222.46	2,174.1	-226.8	-207.5	307.4	0.00	0.00	0.00
2,240.0	10.13	222.46	2,213.5	-231.9	-212.3	314.4	0.00	0.00	0.00
2,280.0	10.13	222.46	2,252.8	-237.1	-217.0	321.4	0.00	0.00	0.00
2,320.0	10.13	222.46	2,292.2	-242.3	-221.8	328.5	0.00	0.00	0.00
2,360.0	10.13	222.46	2,331.6	-247.5	-226.5	335.5	0.00	0.00	0.00
2,400.0	10.13	222.46	2,371.0	-252.7	-231.3	342.6	0.00	0.00	0.00
2,440.0	10.13	222.46	2,410.3	-257.9	-236.0	349.6	0.00	0.00	0.00
2,480.0	10.13	222.46	2,449.7	-263.1	-240.8	356.6	0.00	0.00	0.00
2,520.0	10.13	222.46	2,489.1	-268.3	-245.5	363.7	0.00	0.00	0.00
2,560.0	10.13	222.46	2,528.5	-273.5	-250.3	370.7	0.00	0.00	0.00
2,600.0	10.13	222.46	2,567.8	-278.7	-255.0	377.7	0.00	0.00	0.00
2,640.0	10.13	222.46	2,607.2	-283.9	-259.8	384.8	0.00	0.00	0.00
2,680.0	10.13	222.46	2,646.6	-289.0	-264.5	391.8	0.00	0.00	0.00
2,720.0	10.13	222.46	2,686.0	-294.2	-269.3	398.8	0.00	0.00	0.00
2,760.0	10.13	222.46	2,725.3	-299.4	-274.0	405.9	0.00	0.00	0.00
2,800.0	10.13	222.46	2,764.7	-304.6	-278.8	412.9	0.00	0.00	0.00
2,840.0	10.13	222.46	2,804.1	-309.8	-283.5	420.0	0.00	0.00	0.00
2,880.0	10.13	222.46	2,843.5	-315.0	-288.3	427.0	0.00	0.00	0.00
2,920.0	10.13	222.46	2,882.8	-320.2	-293.0	434.0	0.00	0.00	0.00
2,960.0	10.13	222.46	2,922.2	-325.4	-297.8	441.1	0.00	0.00	0.00
3,000.0	10.13	222.46	2,961.6	-330.6	-302.5	448.1	0.00	0.00	0.00
3,040.0	10.13	222.46	3,001.0	-335.8	-307.3	455.1	0.00	0.00	0.00
3,080.0	10.13	222.46	3,040.4	-341.0	-312.0	462.2	0.00	0.00	0.00
3,120.0	10.13	222.46	3,079.7	-346.1	-316.8	469.2	0.00	0.00	0.00
3,160.0	10.13	222.46	3,119.1	-351.3	-321.5	476.2	0.00	0.00	0.00
3,200.0	10.13	222.46	3,158.5	-356.5	-326.3	483.3	0.00	0.00	0.00
3,240.0	10.13	222.46	3,197.9	-361.7	-331.0	490.3	0.00	0.00	0.00
3,280.0	10.13	222.46	3,237.2	-366.9	-335.8	497.4	0.00	0.00	0.00
3,320.0	10.13	222.46	3,276.6	-372.1	-340.5	504.4	0.00	0.00	0.00
3,360.0	10.13	222.46	3,316.0	-377.3	-345.3	511.4	0.00	0.00	0.00
3,400.0	10.13	222.46	3,355.4	-382.5	-350.0	518.5	0.00	0.00	0.00
3,440.0	10.13	222.46	3,394.7	-387.7	-354.8	525.5	0.00	0.00	0.00
3,480.0	10.13	222.46	3,434.1	-392.9	-359.5	532.5	0.00	0.00	0.00
3,520.0	10.13	222.46	3,473.5	-398.1	-364.3	539.6	0.00	0.00	0.00
3,560.0	10.13	222.46	3,512.9	-403.2	-369.0	546.6	0.00	0.00	0.00
3,600.0	10.13	222.46	3,552.2	-408.4	-373.8	553.6	0.00	0.00	0.00
3,640.0	10.13	222.46	3,591.6	-413.6	-378.5	560.7	0.00	0.00	0.00
3,680.0	10.13	222.46	3,631.0	-418.8	-383.3	567.7	0.00	0.00	0.00
3,720.0	10.13	222.46	3,670.4	-424.0	-388.0	574.8	0.00	0.00	0.00
3,760.0	10.13	222.46	3,709.8	-429.2	-392.8	581.8	0.00	0.00	0.00
3,800.0	10.13	222.46	3,749.1	-434.4	-397.5	588.8	0.00	0.00	0.00
3,840.0	10.13	222.46	3,788.5	-439.6	-402.3	595.9	0.00	0.00	0.00
3,880.0	10.13	222.46	3,827.9	-444.8	-407.0	602.9	0.00	0.00	0.00
3,920.0	10.13	222.46	3,867.3	-450.0	-411.8	609.9	0.00	0.00	0.00
3,960.0	10.13	222.46	3,906.6	-455.1	-416.5	617.0	0.00	0.00	0.00
4,000.0	10.13	222.46	3,946.0	-460.3	-421.3	624.0	0.00	0.00	0.00
4,040.0	10.13	222.46	3,985.4	-465.5	-426.0	631.0	0.00	0.00	0.00
4,080.0	10.13	222.46	4,024.8	-470.7	-430.8	638.1	0.00	0.00	0.00
4,120.0	10.13	222.46	4,064.1	-475.9	-435.5	645.1	0.00	0.00	0.00
4,160.0	10.13	222.46	4,103.5	-481.1	-440.3	652.2	0.00	0.00	0.00

Database:	Landmark	**Local Co-ordinate Reference:**	Well SRC Olson 3CD
Company:	Synergy Resources	**TVD Reference:**	WELL @ 5055.0ft (Original Well Elev)
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Site:	SRC Olson 41-3 Pad Sec.3-T3N-R68W	**North Reference:**	True
Well:	SRC Olson 3CD	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan #1 (7-1-12)		

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	10.13	222.46	4,142.9	-486.3	-445.0	659.2	0.00	0.00	0.00
4,240.0	10.13	222.46	4,182.3	-491.5	-449.8	666.2	0.00	0.00	0.00
4,280.0	10.13	222.46	4,221.6	-496.7	-454.5	673.3	0.00	0.00	0.00
4,320.0	10.13	222.46	4,261.0	-501.9	-459.3	680.3	0.00	0.00	0.00
4,360.0	10.13	222.46	4,300.4	-507.1	-464.0	687.3	0.00	0.00	0.00
4,400.0	10.13	222.46	4,339.8	-512.2	-468.8	694.4	0.00	0.00	0.00
4,440.0	10.13	222.46	4,379.1	-517.4	-473.5	701.4	0.00	0.00	0.00
4,457.2	10.13	222.46	4,396.1	-519.7	-475.6	704.4	0.00	0.00	0.00
4,480.0	9.68	222.46	4,418.5	-522.6	-478.2	708.4	2.00	-2.00	0.00
4,520.0	8.88	222.46	4,458.0	-527.3	-482.6	714.8	2.00	-2.00	0.00
4,560.0	8.08	222.46	4,497.6	-531.7	-486.6	720.7	2.00	-2.00	0.00
4,600.0	7.28	222.46	4,537.2	-535.6	-490.2	726.0	2.00	-2.00	0.00
4,640.0	6.48	222.46	4,576.9	-539.1	-493.4	730.8	2.00	-2.00	0.00
4,680.0	5.68	222.46	4,616.7	-542.3	-496.3	735.1	2.00	-2.00	0.00
4,720.0	4.88	222.46	4,656.5	-545.0	-498.7	738.7	2.00	-2.00	0.00
4,760.0	4.08	222.46	4,696.4	-547.3	-500.8	741.9	2.00	-2.00	0.00
4,800.0	3.28	222.46	4,736.3	-549.2	-502.6	744.4	2.00	-2.00	0.00
4,840.0	2.48	222.46	4,776.3	-550.7	-503.9	746.4	2.00	-2.00	0.00
4,880.0	1.68	222.46	4,816.3	-551.7	-504.9	747.9	2.00	-2.00	0.00
4,920.0	0.88	222.46	4,856.2	-552.4	-505.5	748.8	2.00	-2.00	0.00
4,960.0	0.08	222.46	4,896.2	-552.6	-505.7	749.1	2.00	-2.00	0.00
4,963.8	0.00	0.00	4,900.0	-552.6	-505.7	749.1	2.00	-2.00	0.00
TARGET BHL 1357'FNL & 1303'FEL									
5,000.0	0.00	0.00	4,936.2	-552.6	-505.7	749.1	0.00	0.00	0.00
5,040.0	0.00	0.00	4,976.2	-552.6	-505.7	749.1	0.00	0.00	0.00
5,080.0	0.00	0.00	5,016.2	-552.6	-505.7	749.1	0.00	0.00	0.00
5,120.0	0.00	0.00	5,056.2	-552.6	-505.7	749.1	0.00	0.00	0.00
5,160.0	0.00	0.00	5,096.2	-552.6	-505.7	749.1	0.00	0.00	0.00
5,200.0	0.00	0.00	5,136.2	-552.6	-505.7	749.1	0.00	0.00	0.00
5,240.0	0.00	0.00	5,176.2	-552.6	-505.7	749.1	0.00	0.00	0.00
5,280.0	0.00	0.00	5,216.2	-552.6	-505.7	749.1	0.00	0.00	0.00
5,320.0	0.00	0.00	5,256.2	-552.6	-505.7	749.1	0.00	0.00	0.00
5,360.0	0.00	0.00	5,296.2	-552.6	-505.7	749.1	0.00	0.00	0.00
5,400.0	0.00	0.00	5,336.2	-552.6	-505.7	749.1	0.00	0.00	0.00
5,440.0	0.00	0.00	5,376.2	-552.6	-505.7	749.1	0.00	0.00	0.00
5,480.0	0.00	0.00	5,416.2	-552.6	-505.7	749.1	0.00	0.00	0.00
5,520.0	0.00	0.00	5,456.2	-552.6	-505.7	749.1	0.00	0.00	0.00
5,560.0	0.00	0.00	5,496.2	-552.6	-505.7	749.1	0.00	0.00	0.00
5,600.0	0.00	0.00	5,536.2	-552.6	-505.7	749.1	0.00	0.00	0.00
5,640.0	0.00	0.00	5,576.2	-552.6	-505.7	749.1	0.00	0.00	0.00
5,680.0	0.00	0.00	5,616.2	-552.6	-505.7	749.1	0.00	0.00	0.00
5,720.0	0.00	0.00	5,656.2	-552.6	-505.7	749.1	0.00	0.00	0.00
5,760.0	0.00	0.00	5,696.2	-552.6	-505.7	749.1	0.00	0.00	0.00
5,800.0	0.00	0.00	5,736.2	-552.6	-505.7	749.1	0.00	0.00	0.00
5,840.0	0.00	0.00	5,776.2	-552.6	-505.7	749.1	0.00	0.00	0.00
5,880.0	0.00	0.00	5,816.2	-552.6	-505.7	749.1	0.00	0.00	0.00
5,920.0	0.00	0.00	5,856.2	-552.6	-505.7	749.1	0.00	0.00	0.00
5,960.0	0.00	0.00	5,896.2	-552.6	-505.7	749.1	0.00	0.00	0.00
6,000.0	0.00	0.00	5,936.2	-552.6	-505.7	749.1	0.00	0.00	0.00
6,040.0	0.00	0.00	5,976.2	-552.6	-505.7	749.1	0.00	0.00	0.00
6,080.0	0.00	0.00	6,016.2	-552.6	-505.7	749.1	0.00	0.00	0.00
6,120.0	0.00	0.00	6,056.2	-552.6	-505.7	749.1	0.00	0.00	0.00
6,160.0	0.00	0.00	6,096.2	-552.6	-505.7	749.1	0.00	0.00	0.00
6,200.0	0.00	0.00	6,136.2	-552.6	-505.7	749.1	0.00	0.00	0.00

Database:	Landmark	**Local Co-ordinate Reference:**	Well SRC Olson 3CD
Company:	Synergy Resources	**TVD Reference:**	WELL @ 5055.0ft (Original Well Elev)
Project:	SEC.3-T3N-R68W	**MD Reference:**	WELL @ 5055.0ft (Original Well Elev)
Site:	SRC Olson 41-3 Pad Sec.3-T3N-R68W	**North Reference:**	True
Well:	SRC Olson 3CD	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan #1 (7-1-12)		

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	6,176.2	-552.6	-505.7	749.1	0.00	0.00	0.00
6,280.0	0.00	0.00	6,216.2	-552.6	-505.7	749.1	0.00	0.00	0.00
6,320.0	0.00	0.00	6,256.2	-552.6	-505.7	749.1	0.00	0.00	0.00
6,360.0	0.00	0.00	6,296.2	-552.6	-505.7	749.1	0.00	0.00	0.00
6,400.0	0.00	0.00	6,336.2	-552.6	-505.7	749.1	0.00	0.00	0.00
6,440.0	0.00	0.00	6,376.2	-552.6	-505.7	749.1	0.00	0.00	0.00
6,480.0	0.00	0.00	6,416.2	-552.6	-505.7	749.1	0.00	0.00	0.00
6,520.0	0.00	0.00	6,456.2	-552.6	-505.7	749.1	0.00	0.00	0.00
6,560.0	0.00	0.00	6,496.2	-552.6	-505.7	749.1	0.00	0.00	0.00
6,600.0	0.00	0.00	6,536.2	-552.6	-505.7	749.1	0.00	0.00	0.00
6,640.0	0.00	0.00	6,576.2	-552.6	-505.7	749.1	0.00	0.00	0.00
6,680.0	0.00	0.00	6,616.2	-552.6	-505.7	749.1	0.00	0.00	0.00
6,720.0	0.00	0.00	6,656.2	-552.6	-505.7	749.1	0.00	0.00	0.00
6,760.0	0.00	0.00	6,696.2	-552.6	-505.7	749.1	0.00	0.00	0.00
6,763.8	0.00	0.00	6,700.0	-552.6	-505.7	749.1	0.00	0.00	0.00
TARGET CIRCLE 1357'FNL & 1303'FEL - LEGAL BOX 800' X 800', 1357'FNL & 1303'FEL									
6,800.0	0.00	0.00	6,736.2	-552.6	-505.7	749.1	0.00	0.00	0.00
6,840.0	0.00	0.00	6,776.2	-552.6	-505.7	749.1	0.00	0.00	0.00
6,880.0	0.00	0.00	6,816.2	-552.6	-505.7	749.1	0.00	0.00	0.00
6,920.0	0.00	0.00	6,856.2	-552.6	-505.7	749.1	0.00	0.00	0.00
6,960.0	0.00	0.00	6,896.2	-552.6	-505.7	749.1	0.00	0.00	0.00
7,000.0	0.00	0.00	6,936.2	-552.6	-505.7	749.1	0.00	0.00	0.00
7,040.0	0.00	0.00	6,976.2	-552.6	-505.7	749.1	0.00	0.00	0.00
7,080.0	0.00	0.00	7,016.2	-552.6	-505.7	749.1	0.00	0.00	0.00
7,120.0	0.00	0.00	7,056.2	-552.6	-505.7	749.1	0.00	0.00	0.00
7,160.0	0.00	0.00	7,096.2	-552.6	-505.7	749.1	0.00	0.00	0.00
7,200.0	0.00	0.00	7,136.2	-552.6	-505.7	749.1	0.00	0.00	0.00
7,240.0	0.00	0.00	7,176.2	-552.6	-505.7	749.1	0.00	0.00	0.00
7,280.0	0.00	0.00	7,216.2	-552.6	-505.7	749.1	0.00	0.00	0.00
7,320.0	0.00	0.00	7,256.2	-552.6	-505.7	749.1	0.00	0.00	0.00
7,360.0	0.00	0.00	7,296.2	-552.6	-505.7	749.1	0.00	0.00	0.00
7,400.0	0.00	0.00	7,336.2	-552.6	-505.7	749.1	0.00	0.00	0.00
7,440.0	0.00	0.00	7,376.2	-552.6	-505.7	749.1	0.00	0.00	0.00
7,480.0	0.00	0.00	7,416.2	-552.6	-505.7	749.1	0.00	0.00	0.00
7,520.0	0.00	0.00	7,456.2	-552.6	-505.7	749.1	0.00	0.00	0.00
7,560.0	0.00	0.00	7,496.2	-552.6	-505.7	749.1	0.00	0.00	0.00
7,600.0	0.00	0.00	7,536.2	-552.6	-505.7	749.1	0.00	0.00	0.00
7,640.0	0.00	0.00	7,576.2	-552.6	-505.7	749.1	0.00	0.00	0.00
7,680.0	0.00	0.00	7,616.2	-552.6	-505.7	749.1	0.00	0.00	0.00
7,720.0	0.00	0.00	7,656.2	-552.6	-505.7	749.1	0.00	0.00	0.00
7,760.0	0.00	0.00	7,696.2	-552.6	-505.7	749.1	0.00	0.00	0.00
7,800.0	0.00	0.00	7,736.2	-552.6	-505.7	749.1	0.00	0.00	0.00
7,840.0	0.00	0.00	7,776.2	-552.6	-505.7	749.1	0.00	0.00	0.00
7,880.0	0.00	0.00	7,816.2	-552.6	-505.7	749.1	0.00	0.00	0.00
7,920.0	0.00	0.00	7,856.2	-552.6	-505.7	749.1	0.00	0.00	0.00
7,960.0	0.00	0.00	7,896.2	-552.6	-505.7	749.1	0.00	0.00	0.00
8,000.0	0.00	0.00	7,936.2	-552.6	-505.7	749.1	0.00	0.00	0.00
8,040.0	0.00	0.00	7,976.2	-552.6	-505.7	749.1	0.00	0.00	0.00
8,080.0	0.00	0.00	8,016.2	-552.6	-505.7	749.1	0.00	0.00	0.00
8,088.8	0.00	0.00	8,025.0	-552.6	-505.7	749.1	0.00	0.00	0.00

Database:	Landmark	**Local Co-ordinate Reference:**	Well SRC Olson 3CD
Company:	Synergy Resources	**TVD Reference:**	WELL @ 5055.0ft (Original Well Elev)
Project:	SEC.3-T3N-R68W	**MD Reference:**	WELL @ 5055.0ft (Original Well Elev)
Site:	SRC Olson 41-3 Pad Sec.3-T3N-R68W	**North Reference:**	True
Well:	SRC Olson 3CD	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan #1 (7-1-12)		

Targets

Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (ft)	Easting (ft)	Latitude	Longitude
TARGET CIRCLE 13 - plan hits target center - Circle (radius 75.0)	0.00	0.00	6,700.0	-552.6	-505.7	1,337,576.65	3,143,861.48	40.258899	-104.984531
LEGAL BOX 800' X 8 - plan hits target center - Rectangle (sides W800.0 H800.0 D1,325.0)	0.00	0.00	6,700.0	-552.6	-505.7	1,337,576.65	3,143,861.48	40.258899	-104.984531
TARGET BHL 1357'F - plan hits target center - Point	0.00	0.00	4,900.0	-552.6	-505.7	1,337,576.61	3,143,861.45	40.258899	-104.984531

Casing Points

Measured Depth (ft)	Vertical Depth (ft)	Name	Casing Diameter (")	Hole Diameter (")
976.9	970.0	8 5/8"	8-5/8	12-1/4

ENSIGN Directional

Synergy Resources

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

Wellbore #1
Plan #1 (7-1-12)

Anticollision Report

03 July, 2012

Company:	Synergy Resources	**Local Co-ordinate Reference:**	Well SRC Olson 3CD
Project:	SEC.3-T3N-R68W	**TVD Reference:**	WELL @ 5055.0ft (Original Well Elev)
Reference Site:	SRC Olson 41-3 Pad Sec.3-T3N-R68W	**MD Reference:**	WELL @ 5055.0ft (Original Well Elev)
Site Error:	0.0ft	**North Reference:**	True
Reference Well:	SRC Olson 3CD	**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 (7-1-12)	**Offset TVD Reference:**	Offset Datum

Reference Plan #1 (7-1-12)

Filter type:	NO GLOBAL FILTER: Using user defined selection & filtering criteria		
Interpolation Method:	Stations	**Error Model:**	ISCWSA
Depth Range:	Unlimited	**Scan Method:**	Closest Approach 3D
Results Limited by:	Maximum center-center distance of 10,000.0ft	**Error Surface:**	Elliptical Conic

Warning Levels Evaluated at: 2.00 **Sigma**

Survey Tool Program **Date** 7/2/2012

From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description
0.0	8,088.8	Plan #1 (7-1-12) (Wellbore #1)	MWD	MWD - Standard

Summary

Site Name / Offset Well - Wellbore - Design	Reference Measured Depth (ft)	Offset Measured Depth (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Separation Factor	Warning
SRC Olson 41-3 Pad Sec.3-T3N-R68W						
SRC Olson 31-3D - Wellbore #1 - Plan #1 (6-29-12)	200.0	199.0	45.1	44.4	67.045	CC, ES
SRC Olson 31-3D - Wellbore #1 - Plan #1 (6-29-12)	8,088.8	8,174.5	936.7	890.6	20.298	SF
SRC Olson 32-3D - Wellbore #1 - Plan #1 (6-29-12)	200.0	200.0	15.0	14.3	22.220	CC, ES
SRC Olson 32-3D - Wellbore #1 - Plan #1 (6-29-12)	1,900.0	1,917.9	62.0	49.1	4.790	SF
SRC Olson 41-3 (Vert.) - Wellbore #1 - Plan #1 (6-29-12)	200.0	199.0	59.9	59.2	89.089	CC, ES
SRC Olson 41-3 (Vert.) - Wellbore #1 - Plan #1 (6-29-12)	8,088.8	8,024.0	808.6	773.1	22.765	SF
SRC Olson 42-3D - Wellbore #1 - Plan #1 (6-29-12)	200.0	199.0	30.1	29.4	44.752	CC, ES
SRC Olson 42-3D - Wellbore #1 - Plan #1 (6-29-12)	8,088.8	8,188.5	937.3	892.1	20.719	SF

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 Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
0.0	0.0	0.0	0.0	0.0	0.0	36.05	36.4	26.5	45.1				
100.0	100.0	99.0	99.0	0.1	0.1	36.05	36.4	26.5	45.1	44.8	0.22	201.469	
200.0	200.0	199.0	199.0	0.3	0.3	36.05	36.4	26.5	45.1	44.4	0.67	67.045	CC, ES
300.0	300.0	299.8	299.8	0.5	0.6	171.99	36.6	24.8	45.9	44.8	1.10	41.767	
400.0	399.8	400.5	400.3	0.8	0.8	167.47	36.9	19.5	48.6	47.0	1.53	31.750	
500.0	499.5	500.9	500.3	1.0	1.0	161.01	37.5	10.8	53.6	51.6	2.00	26.766	
600.0	598.7	600.9	599.6	1.3	1.3	153.87	38.4	-1.4	61.5	59.0	2.53	24.280	
706.6	703.9	706.8	704.2	1.7	1.7	146.66	39.6	-18.1	73.6	70.4	3.19	23.058	
800.0	795.9	799.1	794.8	2.0	2.0	140.75	40.8	-35.8	86.1	82.2	3.85	22.385	
900.0	894.3	897.3	890.4	2.4	2.5	134.26	42.4	-57.7	100.6	96.0	4.64	21.691	
1,000.0	992.8	994.9	984.7	2.8	3.0	127.91	44.2	-82.6	116.7	111.2	5.50	21.226	
1,100.0	1,091.2	1,092.7	1,079.1	3.2	3.5	122.76	46.0	-108.4	134.2	127.9	6.38	21.041	
1,200.0	1,189.7	1,190.5	1,173.4	3.6	4.0	118.82	47.8	-134.2	152.5	145.3	7.25	21.030	
1,300.0	1,288.1	1,288.3	1,267.8	4.0	4.6	115.72	49.6	-160.1	171.4	163.3	8.12	21.106	
1,400.0	1,386.6	1,386.2	1,362.1	4.4	5.1	113.24	51.5	-185.9	190.7	181.7	8.98	21.225	
1,500.0	1,485.0	1,484.0	1,456.5	4.8	5.7	111.21	53.3	-211.7	210.2	200.3	9.84	21.363	
1,600.0	1,583.4	1,581.8	1,550.8	5.2	6.2	109.53	55.1	-237.5	229.9	219.2	10.69	21.505	
1,700.0	1,681.9	1,679.6	1,645.1	5.6	6.8	108.11	57.0	-263.3	249.8	238.3	11.54	21.646	
1,800.0	1,780.3	1,777.5	1,739.5	6.0	7.3	106.91	58.8	-289.1	269.9	257.5	12.39	21.782	
1,900.0	1,878.8	1,875.3	1,833.8	6.4	7.9	105.87	60.6	-314.9	290.0	276.8	13.23	21.912	

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

Company:	Synergy Resources	**Local Co-ordinate Reference:**	Well SRC Olson 3CD
Project:	SEC.3-T3N-R68W	**TVD Reference:**	WELL @ 5055.0ft (Original Well Elev)
Reference Site:	SRC Olson 41-3 Pad Sec.3-T3N-R68W	**MD Reference:**	WELL @ 5055.0ft (Original Well Elev)
Site Error:	0.0ft	**North Reference:**	True
Reference Well:	SRC Olson 3CD	**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 (7-1-12)	**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 Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
2,000.0	1,977.2	1,973.1	1,928.2	6.8	8.4	104.96	62.4	-340.7	310.2	296.1	14.08	22.034	
2,100.0	2,075.6	2,071.0	2,022.5	7.2	9.0	104.17	64.3	-366.5	330.5	315.5	14.92	22.148	
2,200.0	2,174.1	2,168.8	2,116.9	7.6	9.5	103.47	66.1	-392.3	350.8	335.0	15.76	22.256	
2,300.0	2,272.5	2,266.6	2,211.2	8.0	10.1	102.84	67.9	-418.1	371.2	354.6	16.60	22.356	
2,400.0	2,371.0	2,364.4	2,305.6	8.4	10.6	102.28	69.7	-443.9	391.6	374.1	17.44	22.450	
2,500.0	2,469.4	2,462.3	2,399.9	8.9	11.2	101.78	71.6	-469.7	412.0	393.7	18.28	22.538	
2,600.0	2,567.8	2,560.1	2,494.2	9.3	11.7	101.32	73.4	-495.5	432.5	413.4	19.12	22.620	
2,700.0	2,666.3	2,657.9	2,588.6	9.7	12.3	100.90	75.2	-521.3	453.0	433.0	19.96	22.697	
2,800.0	2,764.7	2,755.7	2,682.9	10.1	12.8	100.52	77.1	-547.1	473.5	452.7	20.80	22.769	
2,900.0	2,863.2	2,853.6	2,777.3	10.5	13.4	100.17	78.9	-572.9	494.0	472.4	21.63	22.836	
3,000.0	2,961.6	2,951.4	2,871.6	10.9	14.0	99.85	80.7	-598.7	514.6	492.1	22.47	22.900	
3,100.0	3,060.0	3,049.2	2,966.0	11.3	14.5	99.56	82.5	-624.5	535.1	511.8	23.31	22.960	
3,200.0	3,158.5	3,147.0	3,060.3	11.7	15.1	99.28	84.4	-650.3	555.7	531.6	24.14	23.017	
3,300.0	3,256.9	3,244.9	3,154.7	12.1	15.6	99.03	86.2	-676.1	576.3	551.3	24.98	23.070	
3,400.0	3,355.4	3,342.7	3,249.0	12.5	16.2	98.79	88.0	-701.9	596.9	571.1	25.82	23.121	
3,500.0	3,453.8	3,440.5	3,343.4	12.9	16.7	98.57	89.8	-727.7	617.5	590.9	26.65	23.169	
3,600.0	3,552.2	3,538.4	3,437.7	13.4	17.3	98.36	91.7	-753.5	638.1	610.6	27.49	23.214	
3,700.0	3,650.7	3,636.2	3,532.0	13.8	17.9	98.17	93.5	-779.3	658.8	630.4	28.32	23.257	
3,800.0	3,749.1	3,734.0	3,626.4	14.2	18.4	97.99	95.3	-805.1	679.4	650.2	29.16	23.298	
3,900.0	3,847.6	3,831.8	3,720.7	14.6	19.0	97.82	97.2	-830.9	700.0	670.0	30.00	23.337	
4,000.0	3,946.0	3,929.7	3,815.1	15.0	19.5	97.65	99.0	-856.7	720.7	689.8	30.83	23.374	
4,100.0	4,044.4	4,027.5	3,909.4	15.4	20.1	97.50	100.8	-882.6	741.3	709.6	31.67	23.409	
4,200.0	4,142.9	4,125.3	4,003.8	15.8	20.6	97.36	102.6	-908.4	762.0	729.5	32.50	23.443	
4,300.0	4,241.3	4,223.1	4,098.1	16.2	21.2	97.22	104.5	-934.2	782.6	749.3	33.34	23.475	
4,400.0	4,339.8	4,321.0	4,192.5	16.6	21.8	97.09	106.3	-960.0	803.3	769.1	34.17	23.506	
4,457.2	4,396.1	4,376.9	4,246.4	16.9	22.1	97.02	107.3	-974.7	815.1	780.4	34.65	23.523	
4,500.0	4,438.3	4,418.8	4,286.8	17.0	22.3	97.12	108.1	-985.8	823.9	788.9	35.01	23.535	
4,600.0	4,537.2	4,516.6	4,381.1	17.3	22.9	97.20	109.9	-1,011.6	844.2	808.5	35.73	23.626	
4,700.0	4,636.6	4,614.2	4,475.3	17.5	23.4	97.04	111.8	-1,037.3	864.1	827.7	36.38	23.751	
4,800.0	4,736.3	4,719.4	4,576.8	17.7	24.0	96.63	113.7	-1,064.8	883.6	846.6	36.95	23.914	
4,900.0	4,836.2	4,845.3	4,699.2	17.8	24.5	95.95	115.8	-1,093.9	900.6	863.2	37.37	24.098	
4,963.8	4,900.0	4,926.4	4,778.8	17.9	24.7	-42.05	116.9	-1,109.7	909.7	872.1	37.60	24.195	
5,000.0	4,936.2	4,972.9	4,824.5	17.9	24.9	-42.41	117.5	-1,117.8	914.3	876.6	37.69	24.255	
5,100.0	5,036.2	5,102.3	4,952.6	18.0	25.2	-43.20	118.8	-1,136.3	924.8	886.8	37.95	24.369	
5,200.0	5,136.2	5,233.2	5,082.8	18.1	25.5	-43.74	119.7	-1,149.2	932.1	893.9	38.20	24.403	
5,300.0	5,236.2	5,365.0	5,214.4	18.3	25.7	-44.03	120.2	-1,156.1	936.0	897.6	38.44	24.349	
5,400.0	5,336.2	5,485.8	5,335.2	18.4	25.8	-44.08	120.3	-1,157.4	936.7	898.0	38.69	24.213	
5,500.0	5,436.2	5,585.8	5,435.2	18.5	25.9	-44.08	120.3	-1,157.4	936.7	897.8	38.92	24.067	
5,600.0	5,536.2	5,685.8	5,535.2	18.6	26.0	-44.08	120.3	-1,157.4	936.7	897.6	39.16	23.920	
5,700.0	5,636.2	5,785.8	5,635.2	18.7	26.1	-44.08	120.3	-1,157.4	936.7	897.3	39.40	23.772	
5,800.0	5,736.2	5,885.8	5,735.2	18.9	26.2	-44.08	120.3	-1,157.4	936.7	897.1	39.65	23.624	
5,900.0	5,836.2	5,985.8	5,835.2	19.0	26.3	-44.08	120.3	-1,157.4	936.7	896.8	39.90	23.476	
6,000.0	5,936.2	6,085.8	5,935.2	19.1	26.4	-44.08	120.3	-1,157.4	936.7	896.6	40.16	23.327	
6,100.0	6,036.2	6,185.8	6,035.2	19.2	26.5	-44.08	120.3	-1,157.4	936.7	896.3	40.41	23.179	
6,200.0	6,136.2	6,285.8	6,135.2	19.4	26.6	-44.08	120.3	-1,157.4	936.7	896.1	40.67	23.030	
6,300.0	6,236.2	6,385.8	6,235.2	19.5	26.7	-44.08	120.3	-1,157.4	936.7	895.8	40.94	22.881	
6,400.0	6,336.2	6,485.8	6,335.2	19.6	26.9	-44.08	120.3	-1,157.4	936.7	895.5	41.21	22.733	
6,500.0	6,436.2	6,585.8	6,435.2	19.8	27.0	-44.08	120.3	-1,157.4	936.7	895.3	41.48	22.585	
6,600.0	6,536.2	6,685.8	6,535.2	19.9	27.1	-44.08	120.3	-1,157.4	936.7	895.0	41.75	22.437	
6,700.0	6,636.2	6,785.8	6,635.2	20.0	27.2	-44.08	120.3	-1,157.4	936.7	894.7	42.03	22.289	
6,800.0	6,736.2	6,885.8	6,735.2	20.2	27.3	-44.08	120.3	-1,157.4	936.7	894.4	42.31	22.142	
6,900.0	6,836.2	6,985.8	6,835.2	20.3	27.4	-44.08	120.3	-1,157.4	936.7	894.1	42.59	21.995	

Company:	Synergy Resources	**Local Co-ordinate Reference:**	Well SRC Olson 3CD
Project:	SEC.3-T3N-R68W	**TVD Reference:**	WELL @ 5055.0ft (Original Well Elev)
Reference Site:	SRC Olson 41-3 Pad Sec.3-T3N-R68W	**MD Reference:**	WELL @ 5055.0ft (Original Well Elev)
Site Error:	0.0ft	**North Reference:**	True
Reference Well:	SRC Olson 3CD	**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 (7-1-12)	**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 Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
7,000.0	6,936.2	7,085.8	6,935.2	20.5	27.5	-44.08	120.3	-1,157.4	936.7	893.9	42.87	21.849	
7,100.0	7,036.2	7,185.8	7,035.2	20.6	27.7	-44.08	120.3	-1,157.4	936.7	893.6	43.16	21.703	
7,200.0	7,136.2	7,285.8	7,135.2	20.8	27.8	-44.08	120.3	-1,157.4	936.7	893.3	43.45	21.558	
7,300.0	7,236.2	7,385.8	7,235.2	20.9	27.9	-44.08	120.3	-1,157.4	936.7	893.0	43.75	21.413	
7,400.0	7,336.2	7,485.8	7,335.2	21.1	28.0	-44.08	120.3	-1,157.4	936.7	892.7	44.04	21.269	
7,500.0	7,436.2	7,585.8	7,435.2	21.2	28.2	-44.08	120.3	-1,157.4	936.7	892.4	44.34	21.126	
7,600.0	7,536.2	7,685.8	7,535.2	21.4	28.3	-44.08	120.3	-1,157.4	936.7	892.1	44.64	20.983	
7,700.0	7,636.2	7,785.8	7,635.2	21.5	28.4	-44.08	120.3	-1,157.4	936.7	891.8	44.95	20.842	
7,800.0	7,736.2	7,885.8	7,735.2	21.7	28.5	-44.08	120.3	-1,157.4	936.7	891.5	45.25	20.701	
7,900.0	7,836.2	7,985.8	7,835.2	21.8	28.7	-44.08	120.3	-1,157.4	936.7	891.2	45.56	20.560	
8,000.0	7,936.2	8,085.8	7,935.2	22.0	28.8	-44.08	120.3	-1,157.4	936.7	890.9	45.87	20.421	
8,088.8	8,025.0	8,174.5	8,024.0	22.1	28.9	-44.08	120.3	-1,157.4	936.7	890.6	46.15	20.298	SF

Company:	Synergy Resources	**Local Co-ordinate Reference:**	Well SRC Olson 3CD
Project:	SEC.3-T3N-R68W	**TVD Reference:**	WELL @ 5055.0ft (Original Well Elev)
Reference Site:	SRC Olson 41-3 Pad Sec.3-T3N-R68W	**MD Reference:**	WELL @ 5055.0ft (Original Well Elev)
Site Error:	0.0ft	**North Reference:**	True
Reference Well:	SRC Olson 3CD	**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 (7-1-12)	**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 Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
0.0	0.0	0.0	0.0	0.0	0.0	36.59	12.0	8.9	15.0	15.0	0.00	N/A	
100.0	100.0	100.0	100.0	0.1	0.1	36.59	12.0	8.9	15.0	14.8	0.22	66.661	
200.0	200.0	200.0	200.0	0.3	0.3	36.59	12.0	8.9	15.0	14.3	0.67	22.220	CC, ES
300.0	300.0	300.0	300.0	0.5	0.6	174.74	12.0	8.9	16.7	15.6	1.11	15.049	
400.0	399.8	399.8	399.8	0.8	0.8	175.98	12.0	8.9	21.9	20.4	1.55	14.163	
500.0	499.5	499.5	499.5	1.0	1.0	177.12	12.0	8.9	30.6	28.6	2.00	15.338	
600.0	598.7	598.7	598.7	1.3	1.2	177.93	12.0	8.9	42.8	40.4	2.45	17.463	
706.6	703.9	705.3	705.3	1.7	1.5	177.06	12.0	7.0	58.4	55.4	2.92	19.963	
800.0	795.9	799.1	798.9	2.0	1.7	174.64	12.0	2.0	71.7	68.4	3.33	21.539	
900.0	894.3	900.4	899.9	2.4	1.9	171.19	11.7	-6.6	84.0	80.2	3.79	22.170	
1,000.0	992.8	1,003.1	1,001.9	2.8	2.1	168.14	8.8	-17.8	93.2	88.9	4.27	21.823	
1,100.0	1,091.2	1,106.2	1,104.0	3.2	2.4	165.28	3.0	-31.3	99.1	94.3	4.79	20.689	
1,200.0	1,189.7	1,209.6	1,205.8	3.6	2.7	162.30	-5.7	-47.1	101.6	96.3	5.35	18.992	
1,300.0	1,288.1	1,313.0	1,306.9	4.0	3.1	158.90	-17.3	-65.1	101.0	95.0	5.97	16.905	
1,400.0	1,386.6	1,416.1	1,406.9	4.4	3.5	154.74	-31.8	-85.3	97.3	90.6	6.68	14.566	
1,500.0	1,485.0	1,518.6	1,505.5	4.8	4.0	149.33	-49.0	-107.5	90.8	83.3	7.51	12.094	
1,600.0	1,583.4	1,620.3	1,602.3	5.2	4.6	141.87	-68.9	-131.7	82.3	73.8	8.55	9.630	
1,700.0	1,681.9	1,721.0	1,697.0	5.6	5.2	131.10	-91.3	-157.6	72.8	62.9	9.88	7.369	
1,800.0	1,780.3	1,820.3	1,789.2	6.0	5.9	115.39	-116.0	-185.1	64.6	53.1	11.50	5.618	
1,883.7	1,862.8	1,902.0	1,864.5	6.3	6.5	99.20	-137.2	-208.5	61.9	49.2	12.76	4.855	
1,900.0	1,878.8	1,917.9	1,879.1	6.4	6.6	95.98	-141.4	-213.0	62.0	49.1	12.95	4.790	SF
2,000.0	1,977.2	2,015.4	1,969.1	6.8	7.3	77.26	-166.8	-240.9	67.0	53.3	13.69	4.895	
2,100.0	2,075.6	2,113.0	2,059.0	7.2	8.1	62.35	-192.2	-268.9	78.1	64.2	13.87	5.634	
2,200.0	2,174.1	2,210.5	2,149.0	7.6	8.8	51.58	-217.6	-296.8	93.2	79.3	13.89	6.708	
2,300.0	2,272.5	2,308.1	2,238.9	8.0	9.6	43.93	-243.1	-324.7	110.6	96.6	13.97	7.915	
2,400.0	2,371.0	2,405.6	2,328.8	8.4	10.3	38.40	-268.5	-352.6	129.4	115.2	14.16	9.140	
2,500.0	2,469.4	2,503.2	2,418.8	8.9	11.1	34.29	-293.9	-380.5	149.1	134.7	14.43	10.330	
2,600.0	2,567.8	2,600.7	2,508.7	9.3	11.8	31.14	-319.3	-408.4	169.4	154.6	14.78	11.457	
2,700.0	2,666.3	2,698.3	2,598.7	9.7	12.6	28.67	-344.7	-436.4	190.0	174.8	15.18	12.514	
2,800.0	2,764.7	2,795.8	2,688.6	10.1	13.4	26.68	-370.2	-464.3	210.9	195.3	15.62	13.500	
2,900.0	2,863.2	2,893.4	2,778.6	10.5	14.1	25.05	-395.6	-492.2	232.1	216.0	16.10	14.418	
3,000.0	2,961.6	2,990.9	2,868.5	10.9	14.9	23.69	-421.0	-520.1	253.3	236.8	16.59	15.271	
3,100.0	3,060.0	3,088.4	2,958.5	11.3	15.7	22.55	-446.4	-548.0	274.7	257.6	17.10	16.066	
3,200.0	3,158.5	3,186.0	3,048.4	11.7	16.5	21.56	-471.8	-575.9	296.2	278.6	17.63	16.806	
3,300.0	3,256.9	3,283.5	3,138.3	12.1	17.2	20.72	-497.3	-603.9	317.8	299.6	18.16	17.496	
3,400.0	3,355.4	3,381.1	3,228.3	12.5	18.0	19.98	-522.7	-631.8	339.4	320.7	18.71	18.142	
3,500.0	3,453.8	3,478.6	3,318.2	12.9	18.8	19.32	-548.1	-659.7	361.0	341.8	19.26	18.746	
3,600.0	3,552.2	3,576.2	3,408.2	13.4	19.6	18.74	-573.5	-687.6	382.7	362.9	19.82	19.312	
3,700.0	3,650.7	3,673.7	3,498.1	13.8	20.4	18.23	-598.9	-715.5	404.5	384.1	20.38	19.844	
3,800.0	3,749.1	3,771.3	3,588.1	14.2	21.1	17.76	-624.4	-743.4	426.2	405.3	20.95	20.344	
3,900.0	3,847.6	3,868.8	3,678.0	14.6	21.9	17.34	-649.8	-771.4	448.0	426.5	21.52	20.816	
4,000.0	3,946.0	3,966.4	3,768.0	15.0	22.7	16.96	-675.2	-799.3	469.8	447.7	22.10	21.261	
4,100.0	4,044.4	4,063.9	3,857.9	15.4	23.5	16.62	-700.6	-827.2	491.7	469.0	22.68	21.681	
4,200.0	4,142.9	4,161.5	3,947.9	15.8	24.2	16.30	-726.0	-855.1	513.5	490.2	23.26	22.079	
4,300.0	4,241.3	4,259.0	4,037.8	16.2	25.0	16.01	-751.5	-883.0	535.3	511.5	23.84	22.456	
4,400.0	4,339.8	4,356.6	4,127.7	16.6	25.8	15.74	-776.9	-910.9	557.2	532.8	24.42	22.814	
4,457.2	4,396.1	4,412.4	4,179.2	16.9	26.3	15.60	-791.4	-926.9	569.7	545.0	24.76	23.011	
4,500.0	4,438.3	4,454.1	4,217.6	17.0	26.6	15.54	-802.3	-938.8	579.4	554.4	24.98	23.198	
4,600.0	4,537.2	4,550.8	4,306.9	17.3	27.4	15.36	-827.5	-966.5	604.3	578.9	25.41	23.779	
4,700.0	4,636.6	4,646.7	4,395.3	17.5	28.1	15.14	-852.5	-994.0	632.5	606.7	25.80	24.516	
4,800.0	4,736.3	4,741.5	4,482.7	17.7	28.9	14.89	-877.2	-1,021.1	663.9	637.8	26.13	25.406	
4,900.0	4,836.2	4,835.2	4,569.0	17.8	29.6	14.62	-901.6	-1,047.9	698.6	672.2	26.41	26.448	

Company:	Synergy Resources	**Local Co-ordinate Reference:**	Well SRC Olson 3CD
Project:	SEC.3-T3N-R68W	**TVD Reference:**	WELL @ 5055.0ft (Original Well Elev)
Reference Site:	SRC Olson 41-3 Pad Sec.3-T3N-R68W	**MD Reference:**	WELL @ 5055.0ft (Original Well Elev)
Site Error:	0.0ft	**North Reference:**	True
Reference Well:	SRC Olson 3CD	**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 (7-1-12)	**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 Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
4,963.8	4,900.0	4,894.2	4,623.5	17.9	30.1	-123.09	-917.0	-1,064.8	722.3	695.8	26.58	27.179	
5,000.0	4,936.2	4,927.7	4,654.3	17.9	30.4	-123.27	-925.7	-1,074.4	736.2	709.5	26.72	27.551	
5,100.0	5,036.2	5,019.9	4,739.3	18.0	31.1	-123.72	-949.7	-1,100.8	774.5	747.4	27.11	28.566	
5,200.0	5,136.2	5,126.1	4,837.5	18.1	31.9	-124.18	-977.2	-1,130.9	812.6	785.0	27.54	29.507	
5,300.0	5,236.2	5,257.6	4,960.7	18.3	32.6	-124.65	-1,008.1	-1,164.8	847.2	819.2	28.00	30.258	
5,400.0	5,336.2	5,393.4	5,090.0	18.4	33.3	-125.02	-1,036.0	-1,195.5	877.6	849.1	28.47	30.820	
5,500.0	5,436.2	5,533.1	5,224.9	18.5	33.9	-125.32	-1,060.4	-1,222.3	903.3	874.4	28.95	31.207	
5,600.0	5,536.2	5,676.2	5,364.7	18.6	34.4	-125.55	-1,080.7	-1,244.6	924.3	894.9	29.41	31.425	
5,700.0	5,636.2	5,822.0	5,508.6	18.7	34.8	-125.73	-1,096.6	-1,262.1	940.4	910.5	29.86	31.488	
5,800.0	5,736.2	5,969.9	5,655.6	18.9	35.1	-125.84	-1,107.7	-1,274.2	951.4	921.1	30.30	31.404	
5,900.0	5,836.2	6,119.2	5,804.5	19.0	35.3	-125.90	-1,113.6	-1,280.8	957.3	926.6	30.70	31.181	
6,000.0	5,936.2	6,250.9	5,936.2	19.1	35.4	-125.91	-1,114.7	-1,281.9	958.4	927.3	31.06	30.852	
6,100.0	6,036.2	6,350.9	6,036.2	19.2	35.5	-125.91	-1,114.7	-1,281.9	958.4	927.0	31.38	30.540	
6,200.0	6,136.2	6,450.9	6,136.2	19.4	35.6	-125.91	-1,114.7	-1,281.9	958.4	926.7	31.70	30.235	
6,300.0	6,236.2	6,550.9	6,236.2	19.5	35.6	-125.91	-1,114.7	-1,281.9	958.4	926.3	32.02	29.933	
6,400.0	6,336.2	6,650.9	6,336.2	19.6	35.7	-125.91	-1,114.7	-1,281.9	958.4	926.0	32.34	29.634	
6,500.0	6,436.2	6,750.9	6,436.2	19.8	35.8	-125.91	-1,114.7	-1,281.9	958.4	925.7	32.67	29.339	
6,600.0	6,536.2	6,850.9	6,536.2	19.9	35.9	-125.91	-1,114.7	-1,281.9	958.4	925.4	32.99	29.047	
6,700.0	6,636.2	6,950.9	6,636.2	20.0	35.9	-125.91	-1,114.7	-1,281.9	958.4	925.0	33.33	28.758	
6,800.0	6,736.2	7,050.9	6,736.2	20.2	36.0	-125.91	-1,114.7	-1,281.9	958.4	924.7	33.66	28.473	
6,900.0	6,836.2	7,150.9	6,836.2	20.3	36.1	-125.91	-1,114.7	-1,281.9	958.4	924.4	34.00	28.191	
7,000.0	6,936.2	7,250.9	6,936.2	20.5	36.2	-125.91	-1,114.7	-1,281.9	958.4	924.0	34.33	27.912	
7,100.0	7,036.2	7,350.9	7,036.2	20.6	36.3	-125.91	-1,114.7	-1,281.9	958.4	923.7	34.68	27.637	
7,200.0	7,136.2	7,450.9	7,136.2	20.8	36.4	-125.91	-1,114.7	-1,281.9	958.4	923.3	35.02	27.366	
7,300.0	7,236.2	7,550.9	7,236.2	20.9	36.4	-125.91	-1,114.7	-1,281.9	958.4	923.0	35.37	27.098	
7,400.0	7,336.2	7,650.9	7,336.2	21.1	36.5	-125.91	-1,114.7	-1,281.9	958.4	922.6	35.71	26.834	
7,500.0	7,436.2	7,750.9	7,436.2	21.2	36.6	-125.91	-1,114.7	-1,281.9	958.4	922.3	36.07	26.573	
7,600.0	7,536.2	7,850.9	7,536.2	21.4	36.7	-125.91	-1,114.7	-1,281.9	958.4	921.9	36.42	26.316	
7,700.0	7,636.2	7,950.9	7,636.2	21.5	36.8	-125.91	-1,114.7	-1,281.9	958.4	921.6	36.77	26.062	
7,800.0	7,736.2	8,050.9	7,736.2	21.7	36.9	-125.91	-1,114.7	-1,281.9	958.4	921.2	37.13	25.811	
7,900.0	7,836.2	8,150.9	7,836.2	21.8	37.0	-125.91	-1,114.7	-1,281.9	958.4	920.9	37.49	25.564	
8,000.0	7,936.2	8,250.9	7,936.2	22.0	37.1	-125.91	-1,114.7	-1,281.9	958.4	920.5	37.85	25.321	
8,088.8	8,025.0	8,339.6	8,025.0	22.1	37.2	-125.91	-1,114.7	-1,281.9	958.4	920.2	38.17	25.108	

Company:	Synergy Resources	**Local Co-ordinate Reference:**	Well SRC Olson 3CD
Project:	SEC.3-T3N-R68W	**TVD Reference:**	WELL @ 5055.0ft (Original Well Elev)
Reference Site:	SRC Olson 41-3 Pad Sec.3-T3N-R68W	**MD Reference:**	WELL @ 5055.0ft (Original Well Elev)
Site Error:	0.0ft	**North Reference:**	True
Reference Well:	SRC Olson 3CD	**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 (7-1-12)	**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

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
0.0	0.0	0.0	0.0	0.0	0.0	35.97	48.5	35.2	59.9				
100.0	100.0	99.0	99.0	0.1	0.1	35.97	48.5	35.2	59.9	59.6	0.22	267.712	
200.0	200.0	199.0	199.0	0.3	0.3	35.97	48.5	35.2	59.9	59.2	0.67	89.089	CC, ES
300.0	300.0	299.0	299.0	0.5	0.6	173.69	48.5	35.2	61.6	60.5	1.11	55.563	
400.0	399.8	398.8	398.8	0.8	0.8	174.17	48.5	35.2	66.8	65.3	1.55	43.197	
500.0	499.5	498.5	498.5	1.0	1.0	174.83	48.5	35.2	75.5	73.5	2.00	37.829	
600.0	598.7	597.7	597.7	1.3	1.2	175.52	48.5	35.2	87.6	85.2	2.45	35.771	
706.6	703.9	702.9	702.9	1.7	1.5	176.22	48.5	35.2	104.4	101.4	2.94	35.526	
800.0	795.9	794.9	794.9	2.0	1.7	176.74	48.5	35.2	120.8	117.4	3.36	35.933	
900.0	894.3	893.3	893.3	2.4	1.9	177.15	48.5	35.2	138.4	134.5	3.82	36.221	
1,000.0	992.8	991.8	991.8	2.8	2.1	177.47	48.5	35.2	155.9	151.6	4.28	36.416	
1,100.0	1,091.2	1,090.2	1,090.2	3.2	2.3	177.73	48.5	35.2	173.5	168.8	4.75	36.554	
1,200.0	1,189.7	1,188.7	1,188.7	3.6	2.6	177.94	48.5	35.2	191.1	185.9	5.21	36.655	
1,300.0	1,288.1	1,287.1	1,287.1	4.0	2.8	178.11	48.5	35.2	208.7	203.0	5.68	36.729	
1,400.0	1,386.6	1,385.6	1,385.6	4.4	3.0	178.26	48.5	35.2	226.2	220.1	6.15	36.786	
1,500.0	1,485.0	1,484.0	1,484.0	4.8	3.2	178.38	48.5	35.2	243.8	237.2	6.62	36.830	
1,600.0	1,583.4	1,582.4	1,582.4	5.2	3.4	178.49	48.5	35.2	261.4	254.3	7.09	36.865	
1,700.0	1,681.9	1,680.9	1,680.9	5.6	3.7	178.59	48.5	35.2	279.0	271.4	7.56	36.892	
1,800.0	1,780.3	1,779.3	1,779.3	6.0	3.9	178.67	48.5	35.2	296.6	288.5	8.03	36.915	
1,900.0	1,878.8	1,877.8	1,877.8	6.4	4.1	178.75	48.5	35.2	314.2	305.7	8.51	36.933	
2,000.0	1,977.2	1,976.2	1,976.2	6.8	4.3	178.81	48.5	35.2	331.8	322.8	8.98	36.948	
2,100.0	2,075.6	2,074.6	2,074.6	7.2	4.6	178.87	48.5	35.2	349.3	339.9	9.45	36.960	
2,200.0	2,174.1	2,173.1	2,173.1	7.6	4.8	178.93	48.5	35.2	366.9	357.0	9.93	36.970	
2,300.0	2,272.5	2,271.5	2,271.5	8.0	5.0	178.97	48.5	35.2	384.5	374.1	10.40	36.978	
2,400.0	2,371.0	2,370.0	2,370.0	8.4	5.2	179.02	48.5	35.2	402.1	391.2	10.87	36.985	
2,500.0	2,469.4	2,468.4	2,468.4	8.9	5.4	179.06	48.5	35.2	419.7	408.3	11.35	36.991	
2,600.0	2,567.8	2,566.8	2,566.8	9.3	5.7	179.10	48.5	35.2	437.3	425.5	11.82	36.996	
2,700.0	2,666.3	2,665.3	2,665.3	9.7	5.9	179.13	48.5	35.2	454.9	442.6	12.29	37.000	
2,800.0	2,764.7	2,763.7	2,763.7	10.1	6.1	179.17	48.5	35.2	472.5	459.7	12.77	37.004	
2,900.0	2,863.2	2,862.2	2,862.2	10.5	6.3	179.20	48.5	35.2	490.0	476.8	13.24	37.007	
3,000.0	2,961.6	2,960.6	2,960.6	10.9	6.5	179.22	48.5	35.2	507.6	493.9	13.72	37.009	
3,100.0	3,060.0	3,059.0	3,059.0	11.3	6.8	179.25	48.5	35.2	525.2	511.0	14.19	37.011	
3,200.0	3,158.5	3,157.5	3,157.5	11.7	7.0	179.27	48.5	35.2	542.8	528.1	14.67	37.013	
3,300.0	3,256.9	3,255.9	3,255.9	12.1	7.2	179.30	48.5	35.2	560.4	545.3	15.14	37.014	
3,400.0	3,355.4	3,354.4	3,354.4	12.5	7.4	179.32	48.5	35.2	578.0	562.4	15.62	37.015	
3,500.0	3,453.8	3,452.8	3,452.8	12.9	7.6	179.34	48.5	35.2	595.6	579.5	16.09	37.016	
3,600.0	3,552.2	3,551.2	3,551.2	13.4	7.9	179.36	48.5	35.2	613.2	596.6	16.56	37.017	
3,700.0	3,650.7	3,649.7	3,649.7	13.8	8.1	179.38	48.5	35.2	630.8	613.7	17.04	37.017	
3,800.0	3,749.1	3,748.1	3,748.1	14.2	8.3	179.39	48.5	35.2	648.4	630.8	17.51	37.017	
3,900.0	3,847.6	3,846.6	3,846.6	14.6	8.5	179.41	48.5	35.2	665.9	648.0	17.99	37.017	
4,000.0	3,946.0	3,945.0	3,945.0	15.0	8.8	179.42	48.5	35.2	683.5	665.1	18.47	37.017	
4,100.0	4,044.4	4,043.4	4,043.4	15.4	9.0	179.44	48.5	35.2	701.1	682.2	18.94	37.017	
4,200.0	4,142.9	4,141.9	4,141.9	15.8	9.2	179.45	48.5	35.2	718.7	699.3	19.42	37.017	
4,300.0	4,241.3	4,240.3	4,240.3	16.2	9.4	179.46	48.5	35.2	736.3	716.4	19.89	37.017	
4,400.0	4,339.8	4,338.8	4,338.8	16.6	9.6	179.48	48.5	35.2	753.9	733.5	20.37	37.016	
4,457.2	4,396.1	4,395.1	4,395.1	16.9	9.8	179.48	48.5	35.2	764.0	743.3	20.64	37.016	
4,500.0	4,438.3	4,437.3	4,437.3	17.0	9.9	179.49	48.5	35.2	771.2	750.3	20.85	36.982	
4,600.0	4,537.2	4,536.2	4,536.2	17.3	10.1	179.50	48.5	35.2	785.6	764.3	21.31	36.868	
4,700.0	4,636.6	4,635.6	4,635.6	17.5	10.3	179.51	48.5	35.2	796.5	774.8	21.73	36.648	
4,800.0	4,736.3	4,735.3	4,735.3	17.7	10.5	179.52	48.5	35.2	803.9	781.8	22.13	36.332	
4,900.0	4,836.2	4,835.2	4,835.2	17.8	10.8	179.52	48.5	35.2	807.9	785.4	22.49	35.922	
4,963.8	4,900.0	4,899.0	4,899.0	17.9	10.9	41.98	48.5	35.2	808.6	785.9	22.72	35.598	

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

Company:	Synergy Resources	**Local Co-ordinate Reference:**	Well SRC Olson 3CD
Project:	SEC.3-T3N-R68W	**TVD Reference:**	WELL @ 5055.0ft (Original Well Elev)
Reference Site:	SRC Olson 41-3 Pad Sec.3-T3N-R68W	**MD Reference:**	WELL @ 5055.0ft (Original Well Elev)
Site Error:	0.0ft	**North Reference:**	True
Reference Well:	SRC Olson 3CD	**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 (7-1-12)	**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

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
5,000.0	4,936.2	4,935.2	4,935.2	17.9	11.0	41.98	48.5	35.2	808.6	785.8	22.86	35.371	
5,100.0	5,036.2	5,035.2	5,035.2	18.0	11.2	41.98	48.5	35.2	808.6	785.4	23.25	34.778	
5,200.0	5,136.2	5,135.2	5,135.2	18.1	11.4	41.98	48.5	35.2	808.6	785.0	23.64	34.202	
5,300.0	5,236.2	5,235.2	5,235.2	18.3	11.7	41.98	48.5	35.2	808.6	784.6	24.04	33.642	
5,400.0	5,336.2	5,335.2	5,335.2	18.4	11.9	41.98	48.5	35.2	808.6	784.2	24.43	33.098	
5,500.0	5,436.2	5,435.2	5,435.2	18.5	12.1	41.98	48.5	35.2	808.6	783.8	24.83	32.569	
5,600.0	5,536.2	5,535.2	5,535.2	18.6	12.3	41.98	48.5	35.2	808.6	783.4	25.23	32.054	
5,700.0	5,636.2	5,635.2	5,635.2	18.7	12.6	41.98	48.5	35.2	808.6	783.0	25.63	31.554	
5,800.0	5,736.2	5,735.2	5,735.2	18.9	12.8	41.98	48.5	35.2	808.6	782.6	26.03	31.067	
5,900.0	5,836.2	5,835.2	5,835.2	19.0	13.0	41.98	48.5	35.2	808.6	782.2	26.43	30.593	
6,000.0	5,936.2	5,935.2	5,935.2	19.1	13.2	41.98	48.5	35.2	808.6	781.8	26.84	30.132	
6,100.0	6,036.2	6,035.2	6,035.2	19.2	13.5	41.98	48.5	35.2	808.6	781.4	27.24	29.684	
6,200.0	6,136.2	6,135.2	6,135.2	19.4	13.7	41.98	48.5	35.2	808.6	781.0	27.65	29.247	
6,300.0	6,236.2	6,235.2	6,235.2	19.5	13.9	41.98	48.5	35.2	808.6	780.6	28.06	28.821	
6,400.0	6,336.2	6,335.2	6,335.2	19.6	14.1	41.98	48.5	35.2	808.6	780.2	28.47	28.407	
6,500.0	6,436.2	6,435.2	6,435.2	19.8	14.4	41.98	48.5	35.2	808.6	779.7	28.88	28.003	
6,600.0	6,536.2	6,535.2	6,535.2	19.9	14.6	41.98	48.5	35.2	808.6	779.3	29.29	27.609	
6,700.0	6,636.2	6,635.2	6,635.2	20.0	14.8	41.98	48.5	35.2	808.6	778.9	29.70	27.226	
6,800.0	6,736.2	6,735.2	6,735.2	20.2	15.0	41.98	48.5	35.2	808.6	778.5	30.11	26.852	
6,900.0	6,836.2	6,835.2	6,835.2	20.3	15.3	41.98	48.5	35.2	808.6	778.1	30.53	26.487	
7,000.0	6,936.2	6,935.2	6,935.2	20.5	15.5	41.98	48.5	35.2	808.6	777.7	30.94	26.131	
7,100.0	7,036.2	7,035.2	7,035.2	20.6	15.7	41.98	48.5	35.2	808.6	777.3	31.36	25.784	
7,200.0	7,136.2	7,135.2	7,135.2	20.8	15.9	41.98	48.5	35.2	808.6	776.8	31.78	25.446	
7,300.0	7,236.2	7,235.2	7,235.2	20.9	16.1	41.98	48.5	35.2	808.6	776.4	32.20	25.115	
7,400.0	7,336.2	7,335.2	7,335.2	21.1	16.4	41.98	48.5	35.2	808.6	776.0	32.62	24.793	
7,500.0	7,436.2	7,435.2	7,435.2	21.2	16.6	41.98	48.5	35.2	808.6	775.6	33.04	24.477	
7,600.0	7,536.2	7,535.2	7,535.2	21.4	16.8	41.98	48.5	35.2	808.6	775.2	33.46	24.170	
7,700.0	7,636.2	7,635.2	7,635.2	21.5	17.0	41.98	48.5	35.2	808.6	774.7	33.88	23.869	
7,800.0	7,736.2	7,735.2	7,735.2	21.7	17.3	41.98	48.5	35.2	808.6	774.3	34.30	23.576	
7,900.0	7,836.2	7,835.2	7,835.2	21.8	17.5	41.98	48.5	35.2	808.6	773.9	34.72	23.289	
8,000.0	7,936.2	7,935.2	7,935.2	22.0	17.7	41.98	48.5	35.2	808.6	773.5	35.14	23.008	
8,088.8	8,025.0	8,024.0	8,024.0	22.1	17.9	41.98	48.5	35.2	808.6	773.1	35.52	22.765 SF	

Company:	Synergy Resources	**Local Co-ordinate Reference:**	Well SRC Olson 3CD
Project:	SEC.3-T3N-R68W	**TVD Reference:**	WELL @ 5055.0ft (Original Well Elev)
Reference Site:	SRC Olson 41-3 Pad Sec.3-T3N-R68W	**MD Reference:**	WELL @ 5055.0ft (Original Well Elev)
Site Error:	0.0ft	**North Reference:**	True
Reference Well:	SRC Olson 3CD	**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 (7-1-12)	**Offset TVD Reference:**	Offset Datum

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 Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
0.0	0.0	0.0	0.0	0.0	0.0	35.78	24.4	17.6	30.1				
100.0	100.0	99.0	99.0	0.1	0.1	35.78	24.4	17.6	30.1	29.9	0.22	134.479	
200.0	200.0	199.0	199.0	0.3	0.3	35.78	24.4	17.6	30.1	29.4	0.67	44.752	CC, ES
300.0	300.0	299.0	299.0	0.5	0.5	176.76	23.3	18.9	31.7	30.6	1.09	29.099	
400.0	399.8	398.7	398.5	0.8	0.8	-174.79	20.0	22.9	37.3	35.8	1.52	24.533	
500.0	499.5	498.3	497.8	1.0	1.0	-165.46	14.3	29.1	47.4	45.4	1.99	23.794	
600.0	598.7	598.5	597.4	1.3	1.3	-157.88	5.3	35.1	59.8	57.3	2.48	24.071	
706.6	703.9	705.1	703.0	1.7	1.6	-151.47	-8.0	40.8	75.2	72.1	3.08	24.435	
800.0	795.9	798.5	795.1	2.0	1.9	-146.51	-22.8	45.1	89.1	85.5	3.66	24.356	
900.0	894.3	898.4	893.0	2.4	2.3	-140.97	-41.9	49.0	103.4	99.0	4.36	23.690	
1,000.0	992.8	997.9	990.0	2.8	2.7	-135.18	-64.3	52.2	117.4	112.3	5.15	22.812	
1,100.0	1,091.2	1,096.8	1,085.5	3.2	3.2	-129.22	-89.8	54.7	131.8	125.8	6.00	21.977	
1,200.0	1,189.7	1,194.8	1,179.8	3.6	3.7	-123.93	-116.4	56.9	147.2	140.3	6.87	21.417	
1,300.0	1,288.1	1,292.8	1,274.1	4.0	4.2	-119.66	-143.1	59.1	163.6	155.9	7.75	21.118	
1,400.0	1,386.6	1,390.8	1,368.3	4.4	4.8	-116.17	-169.7	61.3	180.8	172.2	8.62	20.977	
1,500.0	1,485.0	1,488.7	1,462.6	4.8	5.3	-113.29	-196.3	63.5	198.5	189.0	9.48	20.932	
1,600.0	1,583.4	1,586.7	1,556.8	5.2	5.8	-110.88	-222.9	65.7	216.6	206.2	10.34	20.945	
1,700.0	1,681.9	1,684.7	1,651.1	5.6	6.4	-108.85	-249.6	67.8	235.0	223.8	11.19	20.994	
1,800.0	1,780.3	1,782.6	1,745.3	6.0	6.9	-107.11	-276.2	70.0	253.7	241.6	12.04	21.063	
1,900.0	1,878.8	1,880.6	1,839.6	6.4	7.5	-105.61	-302.8	72.2	272.5	259.6	12.89	21.144	
2,000.0	1,977.2	1,978.6	1,933.9	6.8	8.0	-104.30	-329.5	74.4	291.5	277.8	13.73	21.232	
2,100.0	2,075.6	2,076.6	2,028.1	7.2	8.6	-103.16	-356.1	76.6	310.7	296.1	14.57	21.321	
2,200.0	2,174.1	2,174.5	2,122.4	7.6	9.1	-102.14	-382.7	78.8	329.9	314.5	15.41	21.410	
2,300.0	2,272.5	2,272.5	2,216.6	8.0	9.7	-101.24	-409.3	81.0	349.3	333.0	16.25	21.498	
2,400.0	2,371.0	2,370.5	2,310.9	8.4	10.2	-100.43	-436.0	83.2	368.7	351.6	17.08	21.584	
2,500.0	2,469.4	2,468.4	2,405.1	8.9	10.8	-99.71	-462.6	85.3	388.2	370.3	17.92	21.666	
2,600.0	2,567.8	2,566.4	2,499.4	9.3	11.3	-99.05	-489.2	87.5	407.7	389.0	18.75	21.745	
2,700.0	2,666.3	2,664.4	2,593.7	9.7	11.9	-98.45	-515.9	89.7	427.3	407.7	19.58	21.821	
2,800.0	2,764.7	2,762.4	2,687.9	10.1	12.4	-97.91	-542.5	91.9	446.9	426.5	20.41	21.894	
2,900.0	2,863.2	2,860.3	2,782.2	10.5	13.0	-97.41	-569.1	94.1	466.6	445.3	21.24	21.963	
3,000.0	2,961.6	2,958.3	2,876.4	10.9	13.6	-96.95	-595.7	96.3	486.3	464.2	22.07	22.029	
3,100.0	3,060.0	3,056.3	2,970.7	11.3	14.1	-96.52	-622.4	98.5	506.0	483.1	22.90	22.092	
3,200.0	3,158.5	3,154.2	3,065.0	11.7	14.7	-96.13	-649.0	100.7	525.7	502.0	23.73	22.152	
3,300.0	3,256.9	3,252.2	3,159.2	12.1	15.2	-95.77	-675.6	102.8	545.5	520.9	24.56	22.209	
3,400.0	3,355.4	3,350.2	3,253.5	12.5	15.8	-95.43	-702.2	105.0	565.3	539.9	25.39	22.263	
3,500.0	3,453.8	3,448.2	3,347.7	12.9	16.3	-95.12	-728.9	107.2	585.0	558.8	26.22	22.315	
3,600.0	3,552.2	3,546.1	3,442.0	13.4	16.9	-94.82	-755.5	109.4	604.9	577.8	27.05	22.365	
3,700.0	3,650.7	3,644.1	3,536.2	13.8	17.4	-94.55	-782.1	111.6	624.7	596.8	27.87	22.412	
3,800.0	3,749.1	3,742.1	3,630.5	14.2	18.0	-94.29	-808.8	113.8	644.5	615.8	28.70	22.458	
3,900.0	3,847.6	3,840.0	3,724.8	14.6	18.6	-94.05	-835.4	116.0	664.4	634.9	29.53	22.501	
4,000.0	3,946.0	3,938.0	3,819.0	15.0	19.1	-93.82	-862.0	118.2	684.3	653.9	30.35	22.542	
4,100.0	4,044.4	4,036.0	3,913.3	15.4	19.7	-93.60	-888.6	120.3	704.1	673.0	31.18	22.582	
4,200.0	4,142.9	4,134.0	4,007.5	15.8	20.2	-93.40	-915.3	122.5	724.0	692.0	32.01	22.620	
4,300.0	4,241.3	4,231.9	4,101.8	16.2	20.8	-93.20	-941.9	124.7	743.9	711.1	32.83	22.657	
4,400.0	4,339.8	4,329.9	4,196.0	16.6	21.3	-93.02	-968.5	126.9	763.8	730.1	33.66	22.691	
4,457.2	4,396.1	4,385.9	4,249.9	16.9	21.7	-92.92	-983.8	128.2	775.2	741.1	34.13	22.711	
4,500.0	4,438.3	4,427.9	4,290.3	17.0	21.9	-93.00	-995.2	129.1	783.7	749.2	34.48	22.727	
4,600.0	4,537.2	4,525.7	4,384.5	17.3	22.4	-93.00	-1,021.8	131.3	803.5	768.3	35.18	22.836	
4,700.0	4,636.6	4,623.4	4,478.4	17.5	23.0	-92.77	-1,048.3	133.5	823.1	787.3	35.81	22.985	
4,800.0	4,736.3	4,720.7	4,572.0	17.7	23.6	-92.34	-1,074.7	135.6	842.7	806.4	36.36	23.178	
4,900.0	4,836.2	4,817.6	4,665.2	17.8	24.1	-91.72	-1,101.1	137.8	862.4	825.6	36.83	23.419	
4,963.8	4,900.0	4,880.7	4,726.0	17.9	24.5	131.25	-1,118.2	139.2	875.1	838.0	37.09	23.594	

Company:	Synergy Resources	**Local Co-ordinate Reference:**	Well SRC Olson 3CD
Project:	SEC.3-T3N-R68W	**TVD Reference:**	WELL @ 5055.0ft (Original Well Elev)
Reference Site:	SRC Olson 41-3 Pad Sec.3-T3N-R68W	**MD Reference:**	WELL @ 5055.0ft (Original Well Elev)
Site Error:	0.0ft	**North Reference:**	True
Reference Well:	SRC Olson 3CD	**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 (7-1-12)	**Offset TVD Reference:**	Offset Datum

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 Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
5,000.0	4,936.2	4,925.9	4,769.6	17.9	24.6	131.80	-1,130.0	140.2	882.1	844.9	37.18	23.725	
5,100.0	5,036.2	5,052.3	4,892.5	18.0	25.1	133.11	-1,159.5	142.6	899.4	862.0	37.39	24.053	
5,200.0	5,136.2	5,181.2	5,019.0	18.1	25.5	134.15	-1,183.9	144.6	913.7	876.1	37.62	24.288	
5,300.0	5,236.2	5,312.1	5,148.5	18.3	25.8	134.93	-1,202.8	146.2	924.8	886.9	37.86	24.428	
5,400.0	5,336.2	5,444.5	5,280.3	18.4	26.1	135.45	-1,216.0	147.2	932.4	894.3	38.10	24.472	
5,500.0	5,436.2	5,577.9	5,413.4	18.5	26.3	135.73	-1,223.1	147.8	936.6	898.2	38.35	24.418	
5,600.0	5,536.2	5,699.7	5,535.2	18.6	26.4	135.78	-1,224.4	147.9	937.3	898.7	38.62	24.272	
5,700.0	5,636.2	5,799.7	5,635.2	18.7	26.5	135.78	-1,224.4	147.9	937.3	898.5	38.84	24.131	
5,800.0	5,736.2	5,899.7	5,735.2	18.9	26.5	135.78	-1,224.4	147.9	937.3	898.2	39.07	23.989	
5,900.0	5,836.2	5,999.7	5,835.2	19.0	26.6	135.78	-1,224.4	147.9	937.3	898.0	39.31	23.846	
6,000.0	5,936.2	6,099.7	5,935.2	19.1	26.7	135.78	-1,224.4	147.9	937.3	897.8	39.54	23.703	
6,100.0	6,036.2	6,199.7	6,035.2	19.2	26.8	135.78	-1,224.4	147.9	937.3	897.5	39.78	23.560	
6,200.0	6,136.2	6,299.7	6,135.2	19.4	26.9	135.78	-1,224.4	147.9	937.3	897.3	40.03	23.416	
6,300.0	6,236.2	6,399.7	6,235.2	19.5	27.0	135.78	-1,224.4	147.9	937.3	897.0	40.28	23.272	
6,400.0	6,336.2	6,499.7	6,335.2	19.6	27.1	135.78	-1,224.4	147.9	937.3	896.8	40.53	23.127	
6,500.0	6,436.2	6,599.7	6,435.2	19.8	27.1	135.78	-1,224.4	147.9	937.3	896.5	40.78	22.983	
6,600.0	6,536.2	6,699.7	6,535.2	19.9	27.2	135.78	-1,224.4	147.9	937.3	896.3	41.04	22.838	
6,700.0	6,636.2	6,799.7	6,635.2	20.0	27.3	135.78	-1,224.4	147.9	937.3	896.0	41.30	22.693	
6,800.0	6,736.2	6,899.7	6,735.2	20.2	27.4	135.78	-1,224.4	147.9	937.3	895.8	41.57	22.549	
6,900.0	6,836.2	6,999.7	6,835.2	20.3	27.5	135.78	-1,224.4	147.9	937.3	895.5	41.84	22.405	
7,000.0	6,936.2	7,099.7	6,935.2	20.5	27.6	135.78	-1,224.4	147.9	937.3	895.2	42.11	22.260	
7,100.0	7,036.2	7,199.7	7,035.2	20.6	27.7	135.78	-1,224.4	147.9	937.3	894.9	42.38	22.117	
7,200.0	7,136.2	7,299.7	7,135.2	20.8	27.8	135.78	-1,224.4	147.9	937.3	894.7	42.66	21.973	
7,300.0	7,236.2	7,399.7	7,235.2	20.9	27.9	135.78	-1,224.4	147.9	937.3	894.4	42.94	21.830	
7,400.0	7,336.2	7,499.7	7,335.2	21.1	28.0	135.78	-1,224.4	147.9	937.3	894.1	43.22	21.687	
7,500.0	7,436.2	7,599.7	7,435.2	21.2	28.1	135.78	-1,224.4	147.9	937.3	893.8	43.51	21.545	
7,600.0	7,536.2	7,699.7	7,535.2	21.4	28.2	135.78	-1,224.4	147.9	937.3	893.5	43.79	21.403	
7,700.0	7,636.2	7,799.7	7,635.2	21.5	28.3	135.78	-1,224.4	147.9	937.3	893.2	44.08	21.262	
7,800.0	7,736.2	7,899.7	7,735.2	21.7	28.5	135.78	-1,224.4	147.9	937.3	892.9	44.38	21.121	
7,900.0	7,836.2	7,999.7	7,835.2	21.8	28.6	135.78	-1,224.4	147.9	937.3	892.6	44.67	20.981	
8,000.0	7,936.2	8,099.7	7,935.2	22.0	28.7	135.78	-1,224.4	147.9	937.3	892.3	44.97	20.842	
8,088.8	8,025.0	8,188.5	8,024.0	22.1	28.8	135.78	-1,224.4	147.9	937.3	892.1	45.24	20.719 SF	

Company:	Synergy Resources	**Local Co-ordinate Reference:**	Well SRC Olson 3CD
Project:	SEC.3-T3N-R68W	**TVD Reference:**	WELL @ 5055.0ft (Original Well Elev)
Reference Site:	SRC Olson 41-3 Pad Sec.3-T3N-R68W	**MD Reference:**	WELL @ 5055.0ft (Original Well Elev)
Site Error:	0.0ft	**North Reference:**	True
Reference Well:	SRC Olson 3CD	**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 (7-1-12)	**Offset TVD Reference:**	Offset Datum

Reference Depths are relative to WELL @ 5055.0ft (Original Well Elev) Coordinates are relative to: SRC Olson 3CD
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 3CD
Project:	SEC.3-T3N-R68W	**TVD Reference:**	WELL @ 5055.0ft (Original Well Elev)
Reference Site:	SRC Olson 41-3 Pad Sec.3-T3N-R68W	**MD Reference:**	WELL @ 5055.0ft (Original Well Elev)
Site Error:	0.0ft	**North Reference:**	True
Reference Well:	SRC Olson 3CD	**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 (7-1-12)	**Offset TVD Reference:**	Offset Datum

Reference Depths are relative to WELL @ 5055.0ft (Original Well Elev) Coordinates are relative to: SRC Olson 3CD
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°