

# Synergy Resources

Well Name: **SRC Cannon 24-16NHZ**

Surface Location: SRC Cannon Pad Sec.16-T4N-R68W

North American Datum 1983 , US State Plane 1983 , Colorado Northern Zone

Ground Elevation: 4930.0

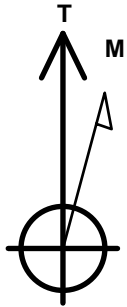
+N/-S +E/-W Northing Easting Latitude Longitude Slot

0.0 0.0 1355824.01 3139483.63 40.309058 -104.999848

Ensign Rig #131 - RKB - 13.5' WELL @ 4943.5ft (Ensign Rig #131 - RKB - 13.5')

## WELLBORE TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Shape
SHL 1061'FSL & 280'FEL	1.0	0.0	0.0	Point
BHL 848'FSL & 475'FWL	6133.5	-256.6	-4535.2	Point



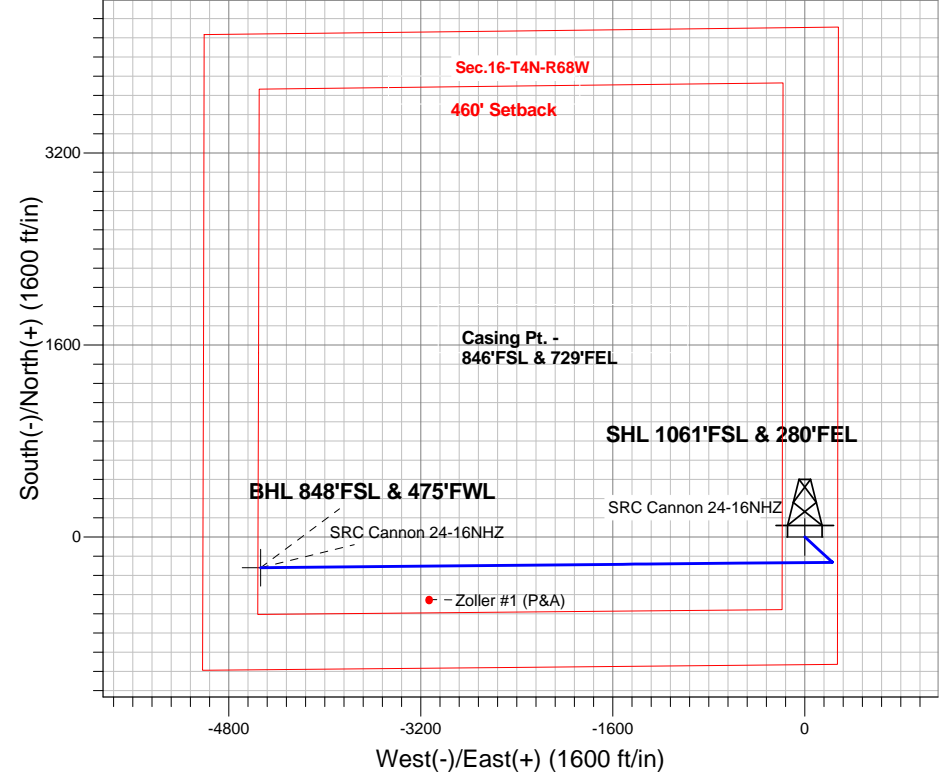
Azimuths to True North  
Magnetic North: 8.50°

Magnetic Field  
Strength: 52681.2snT  
Dip Angle: 66.82°  
Date: 1/12/2015  
Model: IGRF2010

SRC Cannon Pad Sec.16-T4N-R68W  
SRC Cannon 24-16NHZ  
Plan #2 (1-12-15)  
12:45, January 12 2015

## ANNOTATIONS

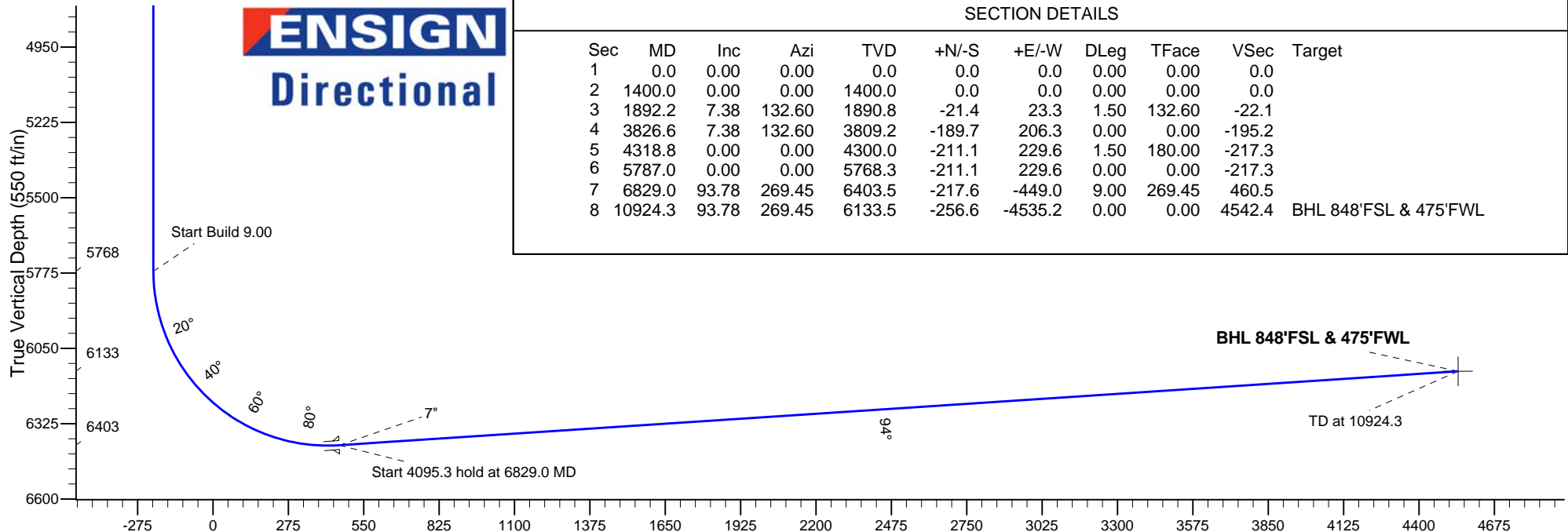
TVD	MD	Annotation
1400.0	1400.0	KOP - Start Build 1.50
3809.2	3826.6	Start Drop -1.50
5768.2	5787.0	Start Build 9.00
6403.5	6829.0	Start 4095.3 hold at 6829.0 MD
6133.5	10924.3	TD at 10924.3



**ENSIGN**  
Directional

## 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	1400.0	0.00	0.00	1400.0	0.0	0.0	0.00	0.00	0.0	
3	1892.2	7.38	132.60	1890.8	-21.4	23.3	1.50	132.60	-22.1	
4	3826.6	7.38	132.60	3809.2	-189.7	206.3	0.00	0.00	-195.2	
5	4318.8	0.00	0.00	4300.0	-211.1	229.6	1.50	180.00	-217.3	
6	5787.0	0.00	0.00	5768.3	-211.1	229.6	0.00	0.00	-217.3	
7	6829.0	93.78	269.45	6403.5	-217.6	-449.0	9.00	269.45	460.5	
8	10924.3	93.78	269.45	6133.5	-256.6	-4535.2	0.00	0.00	4542.4	BHL 848'FSL & 475'FWL



Vertical Section at 266.76° (550 ft/in)



## **Synergy Resources**

**SEC.16-T4N-R68W**

**SRC Cannon Pad Sec.16-T4N-R68W**

**SRC Cannon 24-16NHZ**

**Wellbore #1**

**Plan: Plan #2 (1-12-15)**

## **Standard Planning Report**

**12 January, 2015**

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	
1,400.0	0.00	0.00	1,400.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,892.2	7.38	132.60	1,890.8	-21.4	23.3	1.50	1.50	0.00	132.60	
3,826.6	7.38	132.60	3,809.2	-189.7	206.3	0.00	0.00	0.00	0.00	
4,318.8	0.00	0.00	4,300.0	-211.1	229.6	1.50	-1.50	0.00	180.00	
5,787.0	0.00	0.00	5,768.3	-211.1	229.6	0.00	0.00	0.00	0.00	
6,829.0	93.78	269.45	6,403.5	-217.6	-449.0	9.00	9.00	0.00	269.45	
10,924.3	93.78	269.45	6,133.5	-256.6	-4,535.2	0.00	0.00	0.00	0.00	BHL 848'FSL & 475'

<b>Database:</b>	Landmark	<b>Local Co-ordinate Reference:</b>	Well SRC Cannon 24-16NHZ
<b>Company:</b>	Synergy Resources	<b>TVD Reference:</b>	WELL @ 4943.5ft (Ensign Rig #131 - RKB - 13.5')
<b>Project:</b>	SEC.16-T4N-R68W	<b>MD Reference:</b>	WELL @ 4943.5ft (Ensign Rig #131 - RKB - 13.5')
<b>Site:</b>	SRC Cannon Pad Sec.16-T4N-R68W	<b>North Reference:</b>	True
<b>Well:</b>	SRC Cannon 24-16NHZ	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Wellbore #1		
<b>Design:</b>	Plan #2 (1-12-15)		

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
1.0	0.00	0.00	1.0	0.0	0.0	0.0	0.00	0.00	0.00
<b>SHL 1061'FSL &amp; 280'FEL</b>									
100.0	0.00	0.00	100.0	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
300.0	0.00	0.00	300.0	0.0	0.0	0.0	0.00	0.00	0.00
400.0	0.00	0.00	400.0	0.0	0.0	0.0	0.00	0.00	0.00
500.0	0.00	0.00	500.0	0.0	0.0	0.0	0.00	0.00	0.00
600.0	0.00	0.00	600.0	0.0	0.0	0.0	0.00	0.00	0.00
700.0	0.00	0.00	700.0	0.0	0.0	0.0	0.00	0.00	0.00
800.0	0.00	0.00	800.0	0.0	0.0	0.0	0.00	0.00	0.00
900.0	0.00	0.00	900.0	0.0	0.0	0.0	0.00	0.00	0.00
1,000.0	0.00	0.00	1,000.0	0.0	0.0	0.0	0.00	0.00	0.00
1,100.0	0.00	0.00	1,100.0	0.0	0.0	0.0	0.00	0.00	0.00
1,200.0	0.00	0.00	1,200.0	0.0	0.0	0.0	0.00	0.00	0.00
1,300.0	0.00	0.00	1,300.0	0.0	0.0	0.0	0.00	0.00	0.00
1,400.0	0.00	0.00	1,400.0	0.0	0.0	0.0	0.00	0.00	0.00
<b>KOP - Start Build 1.50</b>									
1,500.0	1.50	132.60	1,500.0	-0.9	1.0	-0.9	1.50	1.50	0.00
1,600.0	3.00	132.60	1,599.9	-3.5	3.9	-3.6	1.50	1.50	0.00
1,700.0	4.50	132.60	1,699.7	-8.0	8.7	-8.2	1.50	1.50	0.00
1,800.0	6.00	132.60	1,799.3	-14.2	15.4	-14.6	1.50	1.50	0.00
1,892.2	7.38	132.60	1,890.8	-21.4	23.3	-22.1	1.50	1.50	0.00
1,900.0	7.38	132.60	1,898.6	-22.1	24.0	-22.8	0.00	0.00	0.00
2,000.0	7.38	132.60	1,997.7	-30.8	33.5	-31.7	0.00	0.00	0.00
2,100.0	7.38	132.60	2,096.9	-39.5	43.0	-40.7	0.00	0.00	0.00
2,200.0	7.38	132.60	2,196.1	-48.2	52.4	-49.6	0.00	0.00	0.00
2,300.0	7.38	132.60	2,295.3	-56.9	61.9	-58.6	0.00	0.00	0.00
2,400.0	7.38	132.60	2,394.4	-65.6	71.3	-67.5	0.00	0.00	0.00
2,500.0	7.38	132.60	2,493.6	-74.3	80.8	-76.5	0.00	0.00	0.00
2,600.0	7.38	132.60	2,592.8	-83.0	90.3	-85.4	0.00	0.00	0.00
2,700.0	7.38	132.60	2,691.9	-91.7	99.7	-94.4	0.00	0.00	0.00
2,800.0	7.38	132.60	2,791.1	-100.4	109.2	-103.3	0.00	0.00	0.00
2,900.0	7.38	132.60	2,890.3	-109.1	118.6	-112.3	0.00	0.00	0.00
3,000.0	7.38	132.60	2,989.5	-117.8	128.1	-121.2	0.00	0.00	0.00
3,100.0	7.38	132.60	3,088.6	-126.5	137.6	-130.2	0.00	0.00	0.00
3,200.0	7.38	132.60	3,187.8	-135.2	147.0	-139.1	0.00	0.00	0.00
3,300.0	7.38	132.60	3,287.0	-143.9	156.5	-148.1	0.00	0.00	0.00
3,400.0	7.38	132.60	3,386.1	-152.6	165.9	-157.1	0.00	0.00	0.00
3,500.0	7.38	132.60	3,485.3	-161.3	175.4	-166.0	0.00	0.00	0.00
3,600.0	7.38	132.60	3,584.5	-170.0	184.9	-175.0	0.00	0.00	0.00
3,700.0	7.38	132.60	3,683.7	-178.7	194.3	-183.9	0.00	0.00	0.00
3,800.0	7.38	132.60	3,782.8	-187.4	203.8	-192.9	0.00	0.00	0.00
3,826.6	7.38	132.60	3,809.2	-189.7	206.3	-195.2	0.00	0.00	0.00
<b>Start Drop -1.50</b>									
3,900.0	6.28	132.60	3,882.1	-195.6	212.7	-201.3	1.50	-1.50	0.00
4,000.0	4.78	132.60	3,981.6	-202.1	219.8	-208.0	1.50	-1.50	0.00
4,100.0	3.28	132.60	4,081.4	-206.9	225.0	-212.9	1.50	-1.50	0.00
4,200.0	1.78	132.60	4,181.3	-209.9	228.2	-216.0	1.50	-1.50	0.00
4,300.0	0.28	132.60	4,281.2	-211.1	229.6	-217.3	1.50	-1.50	0.00
4,318.8	0.00	0.00	4,300.0	-211.1	229.6	-217.3	1.50	-1.50	0.00
4,400.0	0.00	0.00	4,381.2	-211.1	229.6	-217.3	0.00	0.00	0.00

<b>Database:</b>	Landmark	<b>Local Co-ordinate Reference:</b>	Well SRC Cannon 24-16NHZ
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<b>Project:</b>	SEC.16-T4N-R68W	<b>MD Reference:</b>	WELL @ 4943.5ft (Ensign Rig #131 - RKB - 13.5')
<b>Site:</b>	SRC Cannon Pad Sec.16-T4N-R68W	<b>North Reference:</b>	True
<b>Well:</b>	SRC Cannon 24-16NHZ	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Wellbore #1		
<b>Design:</b>	Plan #2 (1-12-15)		

## 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)
4,500.0	0.00	0.00	4,481.2	-211.1	229.6	-217.3	0.00	0.00	0.00
4,600.0	0.00	0.00	4,581.2	-211.1	229.6	-217.3	0.00	0.00	0.00
4,700.0	0.00	0.00	4,681.2	-211.1	229.6	-217.3	0.00	0.00	0.00
4,800.0	0.00	0.00	4,781.2	-211.1	229.6	-217.3	0.00	0.00	0.00
4,900.0	0.00	0.00	4,881.2	-211.1	229.6	-217.3	0.00	0.00	0.00
5,000.0	0.00	0.00	4,981.2	-211.1	229.6	-217.3	0.00	0.00	0.00
5,100.0	0.00	0.00	5,081.2	-211.1	229.6	-217.3	0.00	0.00	0.00
5,200.0	0.00	0.00	5,181.2	-211.1	229.6	-217.3	0.00	0.00	0.00
5,300.0	0.00	0.00	5,281.2	-211.1	229.6	-217.3	0.00	0.00	0.00
5,400.0	0.00	0.00	5,381.2	-211.1	229.6	-217.3	0.00	0.00	0.00
5,500.0	0.00	0.00	5,481.2	-211.1	229.6	-217.3	0.00	0.00	0.00
5,600.0	0.00	0.00	5,581.2	-211.1	229.6	-217.3	0.00	0.00	0.00
5,700.0	0.00	0.00	5,681.2	-211.1	229.6	-217.3	0.00	0.00	0.00
5,787.0	0.00	0.00	5,768.2	-211.1	229.6	-217.3	0.00	0.00	0.00
<b>Start Build 9.00</b>									
5,800.0	1.17	269.45	5,781.2	-211.1	229.5	-217.2	8.99	8.99	0.00
5,900.0	10.17	269.45	5,880.6	-211.2	219.6	-207.3	9.00	9.00	0.00
6,000.0	19.17	269.45	5,977.3	-211.4	194.3	-182.0	9.00	9.00	0.00
6,100.0	28.17	269.45	6,068.8	-211.8	154.2	-142.0	9.00	9.00	0.00
6,200.0	37.17	269.45	6,152.9	-212.3	100.3	-88.1	9.00	9.00	0.00
6,300.0	46.17	269.45	6,227.5	-213.0	33.9	-21.8	9.00	9.00	0.00
6,400.0	55.17	269.45	6,290.8	-213.7	-43.4	55.4	9.00	9.00	0.00
6,500.0	64.17	269.45	6,341.3	-214.5	-129.6	141.5	9.00	9.00	0.00
6,600.0	73.17	269.45	6,377.6	-215.4	-222.7	234.5	9.00	9.00	0.00
6,700.0	82.17	269.45	6,398.9	-216.4	-320.3	332.0	9.00	9.00	0.00
6,800.0	91.17	269.45	6,404.7	-217.3	-420.0	431.6	9.00	9.00	0.00
6,829.0	93.78	269.45	6,403.5	-217.6	-448.9	460.5	9.00	9.00	0.00
<b>Start 4095.3 hold at 6829.0 MD - 7"</b>									
6,900.0	93.78	269.45	6,398.8	-218.3	-519.8	531.3	0.00	0.00	0.00
7,000.0	93.78	269.45	6,392.2	-219.2	-619.6	631.0	0.00	0.00	0.00
7,100.0	93.78	269.45	6,385.6	-220.2	-719.3	730.6	0.00	0.00	0.00
7,200.0	93.78	269.45	6,379.0	-221.1	-819.1	830.3	0.00	0.00	0.00
7,300.0	93.78	269.45	6,372.4	-222.1	-918.9	930.0	0.00	0.00	0.00
7,400.0	93.78	269.45	6,365.8	-223.0	-1,018.7	1,029.7	0.00	0.00	0.00
7,500.0	93.78	269.45	6,359.3	-224.0	-1,118.5	1,129.3	0.00	0.00	0.00
7,600.0	93.78	269.45	6,352.7	-224.9	-1,218.2	1,229.0	0.00	0.00	0.00
7,700.0	93.78	269.45	6,346.1	-225.9	-1,318.0	1,328.7	0.00	0.00	0.00
7,800.0	93.78	269.45	6,339.5	-226.8	-1,417.8	1,428.3	0.00	0.00	0.00
7,900.0	93.78	269.45	6,332.9	-227.8	-1,517.6	1,528.0	0.00	0.00	0.00
8,000.0	93.78	269.45	6,326.3	-228.7	-1,617.3	1,627.7	0.00	0.00	0.00
8,100.0	93.78	269.45	6,319.7	-229.7	-1,717.1	1,727.4	0.00	0.00	0.00
8,200.0	93.78	269.45	6,313.1	-230.6	-1,816.9	1,827.0	0.00	0.00	0.00
8,300.0	93.78	269.45	6,306.5	-231.6	-1,916.7	1,926.7	0.00	0.00	0.00
8,400.0	93.78	269.45	6,299.9	-232.6	-2,016.5	2,026.4	0.00	0.00	0.00
8,500.0	93.78	269.45	6,293.3	-233.5	-2,116.2	2,126.0	0.00	0.00	0.00
8,600.0	93.78	269.45	6,286.7	-234.5	-2,216.0	2,225.7	0.00	0.00	0.00
8,700.0	93.78	269.45	6,280.1	-235.4	-2,315.8	2,325.4	0.00	0.00	0.00
8,800.0	93.78	269.45	6,273.5	-236.4	-2,415.6	2,425.1	0.00	0.00	0.00
8,900.0	93.78	269.45	6,267.0	-237.3	-2,515.3	2,524.7	0.00	0.00	0.00
9,000.0	93.78	269.45	6,260.4	-238.3	-2,615.1	2,624.4	0.00	0.00	0.00
9,100.0	93.78	269.45	6,253.8	-239.2	-2,714.9	2,724.1	0.00	0.00	0.00
9,200.0	93.78	269.45	6,247.2	-240.2	-2,814.7	2,823.8	0.00	0.00	0.00

<b>Database:</b>	Landmark	<b>Local Co-ordinate Reference:</b>	Well SRC Cannon 24-16NHZ
<b>Company:</b>	Synergy Resources	<b>TVD Reference:</b>	WELL @ 4943.5ft (Ensign Rig #131 - RKB - 13.5')
<b>Project:</b>	SEC.16-T4N-R68W	<b>MD Reference:</b>	WELL @ 4943.5ft (Ensign Rig #131 - RKB - 13.5')
<b>Site:</b>	SRC Cannon Pad Sec.16-T4N-R68W	<b>North Reference:</b>	True
<b>Well:</b>	SRC Cannon 24-16NHZ	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Wellbore #1		
<b>Design:</b>	Plan #2 (1-12-15)		

#### 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)
9,300.0	93.78	269.45	6,240.6	-241.1	-2,914.5	2,923.4	0.00	0.00	0.00
9,400.0	93.78	269.45	6,234.0	-242.1	-3,014.2	3,023.1	0.00	0.00	0.00
9,500.0	93.78	269.45	6,227.4	-243.0	-3,114.0	3,122.8	0.00	0.00	0.00
9,600.0	93.78	269.45	6,220.8	-244.0	-3,213.8	3,222.4	0.00	0.00	0.00
9,700.0	93.78	269.45	6,214.2	-244.9	-3,313.6	3,322.1	0.00	0.00	0.00
9,800.0	93.78	269.45	6,207.6	-245.9	-3,413.4	3,421.8	0.00	0.00	0.00
9,900.0	93.78	269.45	6,201.0	-246.8	-3,513.1	3,521.5	0.00	0.00	0.00
10,000.0	93.78	269.45	6,194.4	-247.8	-3,612.9	3,621.1	0.00	0.00	0.00
10,100.0	93.78	269.45	6,187.8	-248.8	-3,712.7	3,720.8	0.00	0.00	0.00
10,200.0	93.78	269.45	6,181.3	-249.7	-3,812.5	3,820.5	0.00	0.00	0.00
10,300.0	93.78	269.45	6,174.7	-250.7	-3,912.2	3,920.2	0.00	0.00	0.00
10,400.0	93.78	269.45	6,168.1	-251.6	-4,012.0	4,019.8	0.00	0.00	0.00
10,500.0	93.78	269.45	6,161.5	-252.6	-4,111.8	4,119.5	0.00	0.00	0.00
10,600.0	93.78	269.45	6,154.9	-253.5	-4,211.6	4,219.2	0.00	0.00	0.00
10,700.0	93.78	269.45	6,148.3	-254.5	-4,311.4	4,318.8	0.00	0.00	0.00
10,800.0	93.78	269.45	6,141.7	-255.4	-4,411.1	4,418.5	0.00	0.00	0.00
10,900.0	93.78	269.45	6,135.1	-256.4	-4,510.9	4,518.2	0.00	0.00	0.00
10,924.3	93.78	269.45	6,133.5	-256.6	-4,535.2	4,542.4	0.00	0.00	0.00

TD at 10924.3 - BHL 848'FSL & 475'FWL

#### 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									
BHL 848'FSL & 475'F	0.00	0.00	6,133.5	-256.6	-4,535.2	1,355,541.84	3,134,950.17	40.308352	-105.016109
- plan hits target center									
- Point									
SHL 1062'FSL & 280'I	0.00	0.00	1.0	0.0	0.0	1,355,824.01	3,139,483.63	40.309058	-104.999848
- plan hits target center									
- Point									

#### Casing Points

Measured Depth (ft)	Vertical Depth (ft)	Name	Casing Diameter (")	Hole Diameter (")
6,829.0	6,403.5	7"	7	7-1/2

#### Plan Annotations

Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates	Comment
+N/-S (ft)	+E/-W (ft)		
1,400.0	1,400.0	0.0	0.0
3,826.6	3,809.2	-189.7	206.3
5,787.0	5,768.2	-211.1	229.6
6,829.0	6,403.5	-217.6	-448.9
10,924.3	6,133.5	-256.6	-4,535.2



## **Synergy Resources**

**SEC.16-T4N-R68W**

**SRC Cannon Pad Sec.16-T4N-R68W**

**SRC Cannon 24-16NHZ**

**Wellbore #1**

**Plan #2 (1-12-15)**

## **Anticollision Report**

**12 January, 2015**





<b>Company:</b>	Synergy Resources	<b>Local Co-ordinate Reference:</b>	Well SRC Cannon 24-16NHZ
<b>Project:</b>	SEC.16-T4N-R68W	<b>TVD Reference:</b>	WELL @ 4943.5ft (Ensign Rig #131 - RKB - 13.5')
<b>Reference Site:</b>	SRC Cannon Pad Sec.16-T4N-R68W	<b>MD Reference:</b>	WELL @ 4943.5ft (Ensign Rig #131 - RKB - 13.5')
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	SRC Cannon 24-16NHZ	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	Landmark
<b>Reference Design:</b>	Plan #2 (1-12-15)	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design		Existing Wells Pad Sec.16-T4N-R68W - Zoller #1 (P&A) - Wellbore #1 - Wellbore #1										Offset Site Error:		0.0 ft		
Survey Program: 6416-UNKNOWN														Offset Well Error:		0.0 ft
Reference		Offset		Semi Major Axis			Distance							Warning		
Measured Depth	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset	Highside Toolface	Offset Wellbore Centre		Between Centres	Between Ellipses	Minimum Separation	Separation Factor				
(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(°)	+N/-S (ft)	+E/-W (ft)	(ft)	(ft)	(ft)					
8,600.0	6,286.7	6,279.2	6,279.2	65.6	125.6	-102.26	-522.1	-3,132.1	960.1	773.3	186.84	5.139				
8,700.0	6,280.1	6,272.6	6,272.6	68.3	125.5	-100.96	-522.1	-3,132.1	865.1	674.9	190.26	4.547				
8,800.0	6,273.5	6,266.0	6,266.0	71.1	125.3	-99.65	-522.1	-3,132.1	771.4	577.8	193.60	3.984				
8,900.0	6,267.0	6,259.5	6,259.5	73.8	125.2	-98.33	-522.1	-3,132.1	679.3	482.4	196.88	3.450				
9,000.0	6,260.4	6,252.9	6,252.9	76.6	125.1	-97.00	-522.1	-3,132.1	589.7	389.6	200.09	2.947				
9,100.0	6,253.8	6,246.3	6,246.3	79.3	124.9	-95.67	-522.1	-3,132.1	504.0	300.8	203.20	2.480				
9,200.0	6,247.2	6,239.7	6,239.7	82.1	124.8	-94.33	-522.1	-3,132.1	424.5	218.3	206.23	2.058				
9,300.0	6,240.6	6,233.1	6,233.1	84.8	124.7	-92.98	-522.1	-3,132.1	355.4	146.2	209.16	1.699				
9,400.0	6,234.0	6,226.5	6,226.5	87.6	124.5	-91.63	-522.1	-3,132.1	303.8	91.8	211.99	1.433	Level 3			
9,500.0	6,227.4	6,219.9	6,219.9	90.3	124.4	-90.28	-522.1	-3,132.1	279.6	64.9	214.71	1.302	Level 3			
9,520.8	6,226.0	6,218.5	6,218.5	90.9	124.4	-90.00	-522.1	-3,132.1	278.8	63.6	215.26	1.295	Level 3, CC, ES, SF			
9,600.0	6,220.8	6,213.3	6,213.3	93.1	124.3	-88.93	-522.1	-3,132.1	289.8	72.5	217.31	1.334	Level 3			
9,700.0	6,214.2	6,206.7	6,206.7	95.9	124.1	-87.58	-522.1	-3,132.1	331.3	111.5	219.80	1.507				
9,800.0	6,207.6	6,200.1	6,200.1	98.6	124.0	-86.23	-522.1	-3,132.1	394.2	172.0	222.17	1.774				
9,900.0	6,201.0	6,193.5	6,193.5	101.4	123.9	-84.89	-522.1	-3,132.1	470.0	245.6	224.42	2.095				
10,000.0	6,194.4	6,186.9	6,186.9	104.2	123.7	-83.55	-522.1	-3,132.1	553.5	327.0	226.54	2.444				
10,100.0	6,187.8	6,180.3	6,180.3	106.9	123.6	-82.22	-522.1	-3,132.1	641.7	413.2	228.53	2.808				
10,200.0	6,181.3	6,173.8	6,173.8	109.7	123.5	-80.90	-522.1	-3,132.1	732.9	502.5	230.39	3.181				
10,300.0	6,174.7	6,167.2	6,167.2	112.5	123.3	-79.58	-522.1	-3,132.1	826.0	593.9	232.13	3.558				
10,400.0	6,168.1	6,160.6	6,160.6	115.3	123.2	-78.28	-522.1	-3,132.1	920.6	686.8	233.74	3.938				

<b>Company:</b>	Synergy Resources	<b>Local Co-ordinate Reference:</b>	Well SRC Cannon 24-16NHZ
<b>Project:</b>	SEC.16-T4N-R68W	<b>TVD Reference:</b>	WELL @ 4943.5ft (Ensign Rig #131 - RKB - 13.5')
<b>Reference Site:</b>	SRC Cannon Pad Sec.16-T4N-R68W	<b>MD Reference:</b>	WELL @ 4943.5ft (Ensign Rig #131 - RKB - 13.5')
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	SRC Cannon 24-16NHZ	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	Landmark
<b>Reference Design:</b>	Plan #2 (1-12-15)	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SRC Cannon Pad Sec.16-T4N-R68W - SRC Cannon 13-16CHZ - Wellbore #1 - Plan #2 (1-12-15)													Offset Site Error: 0.0ft
Survey Program: 0-MWD													Offset Well Error: 0.0ft
Reference	Offset	Semi Major Axis			Distance								Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	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	2.0	2.0	0.0	0.0	0.00	75.0	0.0	75.0	75.0	0.00	N/A	
100.0	100.0	102.0	102.0	0.1	0.1	0.00	75.0	0.0	75.0	74.8	0.23	327.138	
200.0	200.0	202.0	202.0	0.3	0.3	0.00	75.0	0.0	75.0	74.3	0.68	110.490	
300.0	300.0	302.0	302.0	0.6	0.6	0.00	75.0	0.0	75.0	73.9	1.13	66.470	
400.0	400.0	402.0	402.0	0.8	0.8	0.00	75.0	0.0	75.0	73.4	1.58	47.533	
500.0	500.0	502.0	502.0	1.0	1.0	0.00	75.0	0.0	75.0	73.0	2.03	36.993	
600.0	600.0	602.0	602.0	1.2	1.2	0.00	75.0	0.0	75.0	72.5	2.48	30.280	
700.0	700.0	702.0	702.0	1.5	1.5	0.00	75.0	0.0	75.0	72.1	2.93	25.628	
766.0	766.0	768.0	768.0	1.6	1.6	0.00	75.0	0.0	75.0	71.8	3.22	23.270	CC
800.0	800.0	802.0	802.0	1.7	1.7	0.00	75.0	0.0	75.0	71.6	3.38	22.217	ES
900.0	900.0	900.0	900.0	1.9	1.9	0.29	76.3	0.4	76.3	72.5	3.82	19.966	
1,000.0	1,000.0	998.1	998.0	2.1	2.1	1.08	79.9	1.5	80.0	75.8	4.27	18.760	
1,100.0	1,100.0	1,095.8	1,095.5	2.4	2.4	2.23	85.9	3.4	86.3	81.5	4.71	18.305	SF
1,200.0	1,200.0	1,193.2	1,192.5	2.6	2.6	3.59	94.3	5.9	95.0	89.8	5.16	18.404	
1,300.0	1,300.0	1,290.0	1,288.7	2.8	2.8	5.00	105.0	9.2	106.3	100.6	5.62	18.919	
1,400.0	1,400.0	1,386.3	1,384.0	3.0	3.1	6.36	117.9	13.1	120.0	114.0	6.08	19.746	
1,500.0	1,500.0	1,481.6	1,478.0	3.2	3.4	-125.22	133.0	17.8	137.0	130.6	6.50	21.095	
1,600.0	1,599.9	1,576.7	1,571.4	3.4	3.7	-124.97	150.2	23.0	157.9	151.0	6.91	22.844	
1,700.0	1,699.7	1,674.0	1,666.8	3.6	4.0	-125.35	168.4	28.6	180.9	173.6	7.34	24.663	
1,800.0	1,799.3	1,770.9	1,761.8	3.8	4.4	-126.16	186.6	34.1	205.4	197.7	7.77	26.448	
1,892.2	1,890.8	1,859.8	1,849.0	4.0	4.7	-127.16	203.2	39.2	229.5	221.3	8.18	28.064	
1,900.0	1,898.6	1,867.3	1,856.3	4.0	4.7	-127.28	204.6	39.7	231.6	223.4	8.21	28.197	
2,000.0	1,997.7	1,963.4	1,950.6	4.3	5.1	-128.60	222.7	45.2	258.5	249.8	8.68	29.781	
2,100.0	2,096.9	2,059.6	2,044.9	4.5	5.5	-129.68	240.7	50.7	285.5	276.3	9.16	31.176	
2,200.0	2,196.1	2,155.8	2,139.2	4.8	5.8	-130.57	258.7	56.2	312.5	302.9	9.64	32.409	
2,300.0	2,295.3	2,251.9	2,233.5	5.1	6.2	-131.32	276.7	61.7	339.7	329.5	10.14	33.503	
2,400.0	2,394.4	2,348.1	2,327.8	5.3	6.6	-131.96	294.8	67.3	366.9	356.2	10.64	34.477	
2,500.0	2,493.6	2,444.2	2,422.1	5.6	7.0	-132.51	312.8	72.8	394.1	382.9	11.15	35.348	
2,600.0	2,592.8	2,540.4	2,516.4	5.9	7.4	-132.99	330.8	78.3	421.3	409.7	11.66	36.131	
2,700.0	2,691.9	2,636.6	2,610.7	6.2	7.8	-133.41	348.8	83.8	448.6	436.4	12.18	36.836	
2,800.0	2,791.1	2,732.7	2,705.0	6.5	8.2	-133.79	366.8	89.3	475.9	463.2	12.70	37.473	
2,900.0	2,890.3	2,828.9	2,799.3	6.8	8.6	-134.12	384.9	94.8	503.2	490.0	13.22	38.053	
3,000.0	2,989.5	2,925.0	2,893.6	7.1	8.9	-134.42	402.9	100.4	530.5	516.8	13.75	38.580	
3,100.0	3,088.6	3,021.2	2,987.9	7.4	9.3	-134.69	420.9	105.9	557.9	543.6	14.28	39.062	
3,200.0	3,187.8	3,117.4	3,082.2	7.7	9.7	-134.93	438.9	111.4	585.2	570.4	14.81	39.505	
3,300.0	3,287.0	3,213.5	3,176.5	8.1	10.1	-135.15	457.0	116.9	612.6	597.2	15.35	39.911	
3,400.0	3,386.1	3,309.7	3,270.7	8.4	10.5	-135.36	475.0	122.4	639.9	624.0	15.88	40.286	
3,500.0	3,485.3	3,405.8	3,365.0	8.7	10.9	-135.54	493.0	127.9	667.3	650.9	16.42	40.633	
3,600.0	3,584.5	3,502.0	3,459.3	9.0	11.3	-135.71	511.0	133.4	694.7	677.7	16.96	40.954	
3,700.0	3,683.7	3,598.2	3,553.6	9.3	11.7	-135.87	529.0	139.0	722.0	704.5	17.50	41.252	
3,800.0	3,782.8	3,694.3	3,647.9	9.6	12.1	-136.02	547.1	144.5	749.4	731.4	18.05	41.530	
3,826.6	3,809.2	3,719.9	3,673.0	9.7	12.2	-136.06	551.9	145.9	756.7	738.5	18.19	41.600	
3,900.0	3,882.1	3,790.6	3,742.4	9.9	12.5	-136.33	565.1	150.0	776.3	757.7	18.60	41.729	
4,000.0	3,981.6	3,887.4	3,837.3	10.2	13.0	-136.56	583.3	155.6	801.5	782.3	19.14	41.884	
4,100.0	4,081.4	3,984.6	3,932.6	10.4	13.4	-136.65	601.5	161.1	824.8	805.1	19.65	41.971	
4,200.0	4,181.3	4,082.2	4,028.3	10.6	13.8	-136.60	619.8	166.7	846.2	826.1	20.15	42.000	
4,300.0	4,281.2	4,180.1	4,124.3	10.8	14.2	-136.41	638.1	172.3	865.8	845.2	20.63	41.977	
4,318.8	4,300.0	4,198.5	4,142.3	10.8	14.3	-3.77	641.6	173.4	869.3	845.4	23.87	36.415	
4,400.0	4,381.2	4,278.2	4,220.4	10.9	14.6	-3.41	656.5	178.0	884.2	859.9	24.35	36.314	
4,500.0	4,481.2	4,376.2	4,316.6	11.1	15.0	-2.97	674.9	183.6	902.7	877.7	24.94	36.194	
4,600.0	4,581.2	4,474.3	4,412.8	11.3	15.4	-2.56	693.2	189.2	921.2	895.6	25.53	36.078	

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

<b>Company:</b>	Synergy Resources	<b>Local Co-ordinate Reference:</b>	Well SRC Cannon 24-16NHZ
<b>Project:</b>	SEC.16-T4N-R68W	<b>TVD Reference:</b>	WELL @ 4943.5ft (Ensign Rig #131 - RKB - 13.5')
<b>Reference Site:</b>	SRC Cannon Pad Sec.16-T4N-R68W	<b>MD Reference:</b>	WELL @ 4943.5ft (Ensign Rig #131 - RKB - 13.5')
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	SRC Cannon 24-16NHZ	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	Landmark
<b>Reference Design:</b>	Plan #2 (1-12-15)	<b>Offset TVD Reference:</b>	Offset Datum

<b>Offset Design</b> SRC Cannon Pad Sec.16-T4N-R68W - SRC Cannon 13-16CHZ - Wellbore #1 - Plan #2 (1-12-15)													<b>Offset Site Error:</b>	0.0 ft
Survey Program: 0-MWD													<b>Offset Well Error:</b>	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	
4,700.0	4,681.2	4,572.4	4,508.9	11.5	15.8	-2.16	711.6	194.8	939.7	913.6	26.13	35.966		
4,800.0	4,781.2	4,670.4	4,605.1	11.6	16.2	-1.77	730.0	200.5	958.3	931.5	26.72	35.857		
4,900.0	4,881.2	4,768.5	4,701.2	11.8	16.7	-1.40	748.4	206.1	976.9	949.5	27.32	35.751		
5,000.0	4,981.2	4,882.0	4,812.7	12.0	17.1	-1.00	769.2	212.5	995.2	967.2	27.96	35.596		

<b>Company:</b>	Synergy Resources	<b>Local Co-ordinate Reference:</b>	Well SRC Cannon 24-16NHZ
<b>Project:</b>	SEC.16-T4N-R68W	<b>TVD Reference:</b>	WELL @ 4943.5ft (Ensign Rig #131 - RKB - 13.5')
<b>Reference Site:</b>	SRC Cannon Pad Sec.16-T4N-R68W	<b>MD Reference:</b>	WELL @ 4943.5ft (Ensign Rig #131 - RKB - 13.5')
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	SRC Cannon 24-16NHZ	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	Landmark
<b>Reference Design:</b>	Plan #2 (1-12-15)	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.0ft
Survey Program: 0-MWD													Offset Well Error:	0.0ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	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	3.0	3.0	0.0	0.0	0.18	90.0	0.3	90.0	90.0	0.00	N/A		
100.0	100.0	103.0	103.0	0.1	0.1	0.18	90.0	0.3	90.0	89.8	0.23	388.756		
200.0	200.0	203.0	203.0	0.3	0.3	0.18	90.0	0.3	90.0	89.3	0.68	132.151		
300.0	300.0	303.0	303.0	0.6	0.6	0.18	90.0	0.3	90.0	88.9	1.13	79.606		
365.6	365.6	368.6	368.6	0.7	0.7	0.18	90.0	0.3	90.0	88.6	1.43	63.130 CC		
400.0	400.0	402.9	402.9	0.8	0.8	0.18	90.0	0.3	90.0	88.4	1.58	56.965 ES		
500.0	500.0	500.0	500.0	1.0	1.0	0.37	91.3	0.6	91.3	89.3	2.02	45.147		
600.0	600.0	598.3	598.2	1.2	1.2	0.90	95.0	1.5	95.1	92.7	2.47	38.503		
700.0	700.0	695.6	695.3	1.5	1.5	1.69	101.1	3.0	101.4	98.5	2.92	34.739		
800.0	800.0	792.6	791.9	1.7	1.7	2.63	109.6	5.0	110.3	106.9	3.37	32.671		
900.0	900.0	889.0	887.7	1.9	2.0	3.64	120.4	7.7	121.6	117.8	3.84	31.684		
1,000.0	1,000.0	984.9	982.6	2.1	2.2	4.64	133.4	10.8	135.4	131.1	4.31	31.409 SF		
1,100.0	1,100.0	1,080.0	1,076.4	2.4	2.5	5.58	148.7	14.5	151.7	146.9	4.80	31.614		
1,200.0	1,200.0	1,174.2	1,168.9	2.6	2.9	6.44	166.0	18.7	170.5	165.2	5.30	32.145		
1,300.0	1,300.0	1,267.5	1,260.1	2.8	3.2	7.21	185.3	23.4	191.7	185.8	5.83	32.897		
1,400.0	1,400.0	1,361.9	1,351.8	3.0	3.6	7.89	206.9	28.7	215.0	208.7	6.37	33.744		
1,500.0	1,500.0	1,458.8	1,445.9	3.2	4.1	-124.08	229.4	34.1	239.6	233.0	6.57	36.437		
1,600.0	1,599.9	1,555.4	1,539.7	3.4	4.5	-123.98	251.9	39.6	265.5	258.5	7.00	37.920		
1,700.0	1,699.7	1,651.5	1,633.0	3.6	5.0	-124.26	274.2	45.0	292.9	285.5	7.44	39.389		
1,800.0	1,799.3	1,747.2	1,725.9	3.8	5.4	-124.81	296.4	50.4	321.8	313.9	7.88	40.836		
1,892.2	1,890.8	1,834.8	1,811.0	4.0	5.8	-125.49	316.8	55.4	349.7	341.4	8.30	42.146		
1,900.0	1,898.6	1,842.2	1,818.2	4.0	5.9	-125.58	318.5	55.8	352.1	343.8	8.33	42.250		
2,000.0	1,997.7	1,937.0	1,910.2	4.3	6.3	-126.67	340.6	61.1	383.2	374.4	8.81	43.476		
2,100.0	2,096.9	2,031.8	2,002.3	4.5	6.8	-127.60	362.6	66.5	414.4	405.1	9.31	44.533		
2,200.0	2,196.1	2,126.6	2,094.4	4.8	7.2	-128.39	384.6	71.8	445.7	435.9	9.81	45.449		
2,300.0	2,295.3	2,221.4	2,186.4	5.1	7.7	-129.09	406.7	77.2	477.1	466.8	10.32	46.248		
2,400.0	2,394.4	2,316.2	2,278.5	5.3	8.1	-129.69	428.7	82.5	508.5	497.7	10.83	46.947		
2,500.0	2,493.6	2,411.1	2,370.5	5.6	8.6	-130.23	450.7	87.9	540.0	528.6	11.35	47.564		
2,600.0	2,592.8	2,505.9	2,462.6	5.9	9.1	-130.71	472.8	93.3	571.5	559.6	11.88	48.109		
2,700.0	2,691.9	2,600.7	2,554.6	6.2	9.5	-131.14	494.8	98.6	603.0	590.6	12.41	48.595		
2,800.0	2,791.1	2,695.5	2,646.7	6.5	10.0	-131.52	516.8	104.0	634.6	621.7	12.94	49.029		
2,900.0	2,890.3	2,790.3	2,738.7	6.8	10.5	-131.87	538.9	109.3	666.2	652.7	13.48	49.419		
3,000.0	2,989.5	2,885.1	2,830.8	7.1	10.9	-132.19	560.9	114.7	697.8	683.8	14.02	49.770		
3,100.0	3,088.6	2,979.9	2,922.8	7.4	11.4	-132.48	582.9	120.0	729.4	714.9	14.56	50.089		
3,200.0	3,187.8	3,074.7	3,014.9	7.7	11.8	-132.74	605.0	125.4	761.1	746.0	15.11	50.377		
3,300.0	3,287.0	3,169.5	3,106.9	8.1	12.3	-132.99	627.0	130.7	792.7	777.1	15.65	50.641		
3,400.0	3,386.1	3,264.3	3,199.0	8.4	12.8	-133.21	649.0	136.1	824.4	808.2	16.20	50.882		
3,500.0	3,485.3	3,359.1	3,291.0	8.7	13.2	-133.42	671.1	141.4	856.1	839.3	16.75	51.102		
3,600.0	3,584.5	3,453.9	3,383.1	9.0	13.7	-133.62	693.1	146.8	887.8	870.5	17.30	51.305		
3,700.0	3,683.7	3,548.7	3,475.2	9.3	14.2	-133.80	715.1	152.1	919.5	901.6	17.86	51.493		
3,800.0	3,782.8	3,643.5	3,567.2	9.6	14.6	-133.97	737.2	157.5	951.2	932.7	18.41	51.666		
3,826.6	3,809.2	3,668.7	3,591.7	9.7	14.8	-134.01	743.0	158.9	959.6	941.0	18.56	51.709		
3,900.0	3,882.1	3,738.5	3,659.4	9.9	15.1	-134.35	759.3	162.8	982.4	963.4	18.99	51.731		

<b>Company:</b>	Synergy Resources	<b>Local Co-ordinate Reference:</b>	Well SRC Cannon 24-16NHZ
<b>Project:</b>	SEC.16-T4N-R68W	<b>TVD Reference:</b>	WELL @ 4943.5ft (Ensign Rig #131 - RKB - 13.5')
<b>Reference Site:</b>	SRC Cannon Pad Sec.16-T4N-R68W	<b>MD Reference:</b>	WELL @ 4943.5ft (Ensign Rig #131 - RKB - 13.5')
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	SRC Cannon 24-16NHZ	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	Landmark
<b>Reference Design:</b>	Plan #2 (1-12-15)	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.0ft
Survey Program: 0-MWD													Offset Well Error:	0.0ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	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	-180.00	-45.0	0.0	45.0					
100.0	100.0	99.0	99.0	0.1	0.1	-180.00	-45.0	0.0	45.0	44.8	0.22	201.360		
200.0	200.0	199.0	199.0	0.3	0.3	-180.00	-45.0	0.0	45.0	44.4	0.67	67.008		
300.0	300.0	299.0	299.0	0.6	0.6	-180.00	-45.0	0.0	45.0	43.9	1.12	40.151		
400.0	400.0	399.0	399.0	0.8	0.8	-180.00	-45.0	0.0	45.0	43.5	1.57	28.663 CC, ES		
500.0	500.0	497.9	497.9	1.0	1.0	179.59	-46.2	0.3	46.3	44.3	1.99	23.213		
600.0	600.0	596.6	596.5	1.2	1.2	178.45	-49.9	1.4	50.0	47.6	2.40	20.786		
700.0	700.0	695.1	694.8	1.5	1.4	176.89	-56.0	3.0	56.3	53.4	2.84	19.838		
800.0	800.0	793.1	792.4	1.7	1.6	175.22	-64.5	5.4	65.1	61.8	3.29	19.806		
900.0	900.0	890.7	889.3	1.9	1.9	173.64	-75.4	8.4	76.4	72.7	3.75	20.358		
1,000.0	1,000.0	987.6	985.3	2.1	2.2	172.25	-88.5	12.0	90.4	86.1	4.25	21.287		
1,100.0	1,100.0	1,083.7	1,080.1	2.4	2.5	171.08	-103.8	16.3	106.8	102.0	4.76	22.454		
1,200.0	1,200.0	1,179.0	1,173.7	2.6	2.8	170.11	-121.3	21.1	125.7	120.4	5.29	23.763		
1,300.0	1,300.0	1,275.8	1,268.3	2.8	3.2	169.32	-140.8	26.5	146.5	140.7	5.85	25.060		
1,400.0	1,400.0	1,373.6	1,363.9	3.0	3.6	168.72	-160.6	32.0	167.5	161.1	6.42	26.100		
1,500.0	1,500.0	1,471.6	1,459.7	3.2	4.1	35.71	-180.4	37.5	187.4	181.0	6.43	29.162		
1,600.0	1,599.9	1,570.0	1,555.9	3.4	4.5	35.80	-200.4	43.1	205.2	198.4	6.85	29.952		
1,700.0	1,699.7	1,668.7	1,652.4	3.6	4.9	36.27	-220.4	48.6	221.0	213.7	7.29	30.308		
1,800.0	1,799.3	1,767.7	1,749.2	3.8	5.4	37.06	-240.4	54.1	234.7	227.0	7.74	30.309		
1,892.2	1,890.8	1,859.1	1,838.6	4.0	5.8	38.05	-258.9	59.3	245.6	237.4	8.17	30.041		
1,900.0	1,898.6	1,866.9	1,846.2	4.0	5.8	38.15	-260.5	59.7	246.4	238.2	8.21	30.007		
2,000.0	1,997.7	1,966.1	1,943.2	4.3	6.3	39.39	-280.6	65.3	257.4	248.7	8.70	29.575		
2,100.0	2,096.9	2,065.4	2,040.2	4.5	6.7	40.53	-300.7	70.8	268.5	259.3	9.21	29.160		
2,200.0	2,196.1	2,164.6	2,137.3	4.8	7.2	41.57	-320.8	76.4	279.6	269.9	9.72	28.763		
2,300.0	2,295.3	2,263.9	2,234.3	5.1	7.6	42.54	-340.8	82.0	290.9	280.7	10.25	28.385		
2,400.0	2,394.4	2,363.1	2,331.3	5.3	8.1	43.43	-360.9	87.6	302.2	291.4	10.78	28.025		
2,500.0	2,493.6	2,462.4	2,428.4	5.6	8.5	44.26	-381.0	93.1	313.6	302.3	11.33	27.683		
2,600.0	2,592.8	2,561.6	2,525.4	5.9	9.0	45.03	-401.1	98.7	325.1	313.2	11.88	27.359		
2,700.0	2,691.9	2,660.9	2,622.4	6.2	9.4	45.75	-421.2	104.3	336.6	324.2	12.44	27.052		
2,800.0	2,791.1	2,760.1	2,719.5	6.5	9.9	46.42	-441.3	109.8	348.2	335.2	13.01	26.762		
2,900.0	2,890.3	2,859.4	2,816.5	6.8	10.3	47.05	-461.4	115.4	359.8	346.2	13.58	26.486		
3,000.0	2,989.5	2,958.6	2,913.5	7.1	10.8	47.64	-481.5	121.0	371.4	357.3	14.16	26.226		
3,100.0	3,088.6	3,057.9	3,010.6	7.4	11.3	48.19	-501.6	126.5	383.1	368.4	14.75	25.980		
3,200.0	3,187.8	3,157.1	3,107.6	7.7	11.7	48.71	-521.7	132.1	394.8	379.5	15.33	25.747		
3,300.0	3,287.0	3,256.4	3,204.7	8.1	12.2	49.20	-541.8	137.7	406.6	390.6	15.93	25.526		
3,400.0	3,386.1	3,355.6	3,301.7	8.4	12.6	49.67	-561.9	143.2	418.3	401.8	16.52	25.316		
3,500.0	3,485.3	3,454.9	3,398.7	8.7	13.1	50.10	-582.0	148.8	430.1	413.0	17.12	25.118		
3,600.0	3,584.5	3,554.1	3,495.8	9.0	13.5	50.52	-602.1	154.4	442.0	424.2	17.73	24.930		
3,700.0	3,683.7	3,653.4	3,592.8	9.3	14.0	50.91	-622.1	159.9	453.8	435.5	18.33	24.751		
3,800.0	3,782.8	3,752.6	3,689.8	9.6	14.5	51.28	-642.2	165.5	465.7	446.7	18.94	24.581		
3,826.6	3,809.2	3,779.0	3,715.6	9.7	14.6	51.38	-647.6	167.0	468.8	449.7	19.11	24.538		
3,900.0	3,882.1	3,851.8	3,786.8	9.9	14.9	51.68	-662.3	171.1	478.0	458.5	19.53	24.475		
4,000.0	3,981.6	3,950.9	3,883.6	10.2	15.4	51.88	-682.4	176.6	491.9	471.8	20.05	24.531		
4,100.0	4,081.4	4,049.6	3,980.2	10.4	15.8	51.87	-702.4	182.2	507.3	486.8	20.53	24.709		
4,200.0	4,181.3	4,148.1	4,076.5	10.6	16.3	51.66	-722.3	187.7	524.4	503.5	20.97	25.003		
4,300.0	4,281.2	4,246.2	4,172.4	10.8	16.8	51.28	-742.2	193.2	543.2	521.8	21.38	25.406		
4,318.8	4,300.0	4,264.5	4,190.3	10.8	16.8	-176.22	-745.9	194.2	546.9	520.7	26.13	20.932		
4,400.0	4,381.2	4,343.9	4,268.0	10.9	17.2	-176.79	-762.0	198.7	563.0	536.3	26.68	21.102		
4,500.0	4,481.2	4,441.7	4,363.5	11.1	17.7	-177.45	-781.7	204.2	583.0	555.6	27.36	21.307		
4,600.0	4,581.2	4,550.7	4,470.2	11.3	18.1	-178.11	-803.1	210.1	602.5	574.5	28.00	21.515		
4,700.0	4,681.2	4,666.9	4,584.6	11.5	18.4	-178.69	-822.8	215.6	619.3	590.8	28.57	21.678		

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

<b>Company:</b>	Synergy Resources	<b>Local Co-ordinate Reference:</b>	Well SRC Cannon 24-16NHZ
<b>Project:</b>	SEC.16-T4N-R68W	<b>TVD Reference:</b>	WELL @ 4943.5ft (Ensign Rig #131 - RKB - 13.5')
<b>Reference Site:</b>	SRC Cannon Pad Sec.16-T4N-R68W	<b>MD Reference:</b>	WELL @ 4943.5ft (Ensign Rig #131 - RKB - 13.5')
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	SRC Cannon 24-16NHZ	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	Landmark
<b>Reference Design:</b>	Plan #2 (1-12-15)	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SRC Cannon Pad Sec.16-T4N-R68W - SRC Cannon 14-16CHZ - Wellbore #1 - Plan #2 (1-12-15)													Offset Site Error:	0.0ft
Survey Program: 0-MWD													Offset Well Error:	0.0ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
4,800.0	4,781.2	4,784.3	4,700.8	11.6	18.7	-179.14	-839.4	220.1	633.3	604.2	29.10	21.765		
4,900.0	4,881.2	4,902.7	4,818.3	11.8	19.0	-179.48	-852.5	223.8	644.4	614.8	29.59	21.782		
5,000.0	4,981.2	5,021.8	4,937.0	12.0	19.2	-179.73	-862.2	226.5	652.5	622.5	30.03	21.733		
5,100.0	5,081.2	5,141.4	5,056.4	12.2	19.4	-179.88	-868.3	228.2	657.7	627.2	30.42	21.619		
5,200.0	5,181.2	5,261.3	5,176.3	12.4	19.6	-179.94	-870.9	228.9	659.8	629.0	30.78	21.433		
5,300.0	5,281.2	5,365.2	5,280.2	12.6	19.7	-179.94	-870.9	228.9	659.8	628.7	31.10	21.219		
5,400.0	5,381.2	5,465.2	5,380.2	12.8	19.8	-179.94	-870.9	228.9	659.8	628.4	31.40	21.013		
5,500.0	5,481.2	5,565.2	5,480.2	12.9	19.9	-179.94	-870.9	228.9	659.8	628.1	31.71	20.810		
5,600.0	5,581.2	5,665.2	5,580.2	13.1	20.0	-179.94	-870.9	228.9	659.8	627.8	32.02	20.609		
5,700.0	5,681.2	5,765.2	5,680.2	13.3	20.1	-179.94	-870.9	228.9	659.8	627.5	32.33	20.410		
5,787.0	5,768.3	5,852.2	5,767.3	13.5	20.2	-179.94	-870.9	228.9	659.8	627.2	32.60	20.238		
5,800.0	5,781.2	5,865.2	5,780.2	13.5	20.2	-89.40	-870.9	228.9	659.8	632.7	27.09	24.353		
5,850.0	5,831.1	5,915.1	5,830.1	13.6	20.3	-89.66	-870.9	228.9	659.8	632.6	27.23	24.228		
5,881.5	5,862.4	5,946.3	5,861.4	13.6	20.3	-90.00	-870.9	228.9	659.8	632.5	27.29	24.174		
5,900.0	5,880.6	5,964.7	5,879.7	13.7	20.3	-90.25	-870.9	228.8	659.8	632.5	27.32	24.148		
5,950.0	5,929.5	6,014.5	5,929.5	13.7	20.4	-90.95	-871.0	226.2	659.9	632.5	27.38	24.101		
6,000.0	5,977.3	6,065.1	5,979.6	13.7	20.4	-91.65	-871.0	219.6	660.1	632.7	27.42	24.077		
6,050.0	6,023.8	6,116.3	6,029.6	13.8	20.5	-92.34	-871.1	208.8	660.4	632.9	27.44	24.067		
6,100.0	6,068.8	6,168.2	6,079.3	13.8	20.5	-93.02	-871.3	193.8	660.7	633.3	27.46	24.061		
6,150.0	6,111.9	6,220.9	6,128.3	13.8	20.5	-93.69	-871.5	174.5	661.2	633.7	27.50	24.045		
6,200.0	6,152.9	6,274.2	6,176.1	13.8	20.5	-94.33	-871.7	151.0	661.7	634.2	27.57	24.001		
6,250.0	6,191.5	6,328.3	6,222.4	13.9	20.5	-94.96	-871.9	123.0	662.3	634.6	27.70	23.909		
6,300.0	6,227.5	6,383.1	6,266.8	13.9	20.5	-95.55	-872.2	90.9	663.0	635.0	27.92	23.748		
6,350.0	6,260.7	6,438.6	6,308.7	14.1	20.5	-96.11	-872.6	54.5	663.6	635.4	28.24	23.497		
6,400.0	6,290.8	6,494.8	6,347.7	14.3	20.5	-96.64	-873.0	14.1	664.3	635.6	28.71	23.138		
6,450.0	6,317.7	6,551.6	6,383.4	14.6	20.6	-97.12	-873.4	-30.1	665.0	635.6	29.35	22.657		
6,500.0	6,341.3	6,609.1	6,415.4	15.1	20.6	-97.55	-873.9	-77.8	665.6	635.4	30.18	22.054		
6,550.0	6,361.3	6,667.1	6,443.1	15.7	20.6	-97.93	-874.3	-128.7	666.2	635.0	31.23	21.334		
6,600.0	6,377.6	6,725.6	6,466.3	16.4	20.7	-98.25	-874.9	-182.4	666.7	634.2	32.48	20.528		
6,650.0	6,390.2	6,784.5	6,484.6	17.2	20.9	-98.52	-875.4	-238.4	667.2	633.2	33.93	19.662		
6,700.0	6,398.9	6,843.8	6,497.7	18.0	21.2	-98.72	-875.9	-296.2	667.5	631.9	35.57	18.767		
6,750.0	6,403.8	6,903.4	6,505.3	18.9	21.6	-98.86	-876.5	-355.2	667.8	630.4	37.37	17.868		
6,800.0	6,404.7	6,963.0	6,507.5	19.8	22.3	-98.94	-877.1	-414.9	667.9	628.6	39.31	16.990		
6,829.0	6,403.5	6,997.7	6,506.1	20.4	22.8	-98.95	-877.4	-449.5	667.9	627.4	40.48	16.499		
6,900.0	6,398.8	7,069.9	6,500.6	21.9	23.9	-98.88	-878.1	-521.5	667.8	624.4	43.35	15.404		
7,000.0	6,392.2	7,169.9	6,492.9	24.1	25.8	-98.79	-879.0	-621.2	667.6	620.0	47.61	14.023		
7,100.0	6,385.6	7,269.9	6,485.2	26.3	27.9	-98.69	-880.0	-720.8	667.4	615.3	52.11	12.809		
7,200.0	6,379.0	7,369.9	6,477.4	28.7	30.2	-98.59	-880.9	-820.5	667.3	610.5	56.80	11.749		
7,300.0	6,372.4	7,469.9	6,469.7	31.2	32.5	-98.50	-881.9	-920.2	667.1	605.5	61.63	10.825		
7,400.0	6,365.8	7,569.9	6,462.0	33.7	34.9	-98.40	-882.8	-1,019.9	666.9	600.4	66.58	10.018		
7,500.0	6,359.3	7,669.9	6,454.3	36.2	37.3	-98.30	-883.8	-1,119.6	666.8	595.1	71.62	9.310		
7,600.0	6,352.7	7,769.8	6,446.5	38.8	39.9	-98.21	-884.7	-1,219.3	666.6	589.9	76.73	8.688		
7,700.0	6,346.1	7,869.8	6,438.8	41.4	42.4	-98.11	-885.7	-1,319.0	666.4	584.5	81.90	8.137		
7,800.0	6,339.5	7,969.8	6,431.1	44.1	45.0	-98.01	-886.6	-1,418.7	666.3	579.2	87.12	7.647		
7,900.0	6,332.9	8,069.8	6,423.4	46.7	47.6	-97.92	-887.6	-1,518.4	666.1	573.7	92.39	7.210		
8,000.0	6,326.3	8,169.8	6,415.6	49.4	50.2	-97.82	-888.5	-1,618.1	666.0	568.3	97.69	6.817		
8,100.0	6,319.7	8,269.8	6,407.9	52.1	52.8	-97.72	-889.5	-1,717.7	665.8	562.8	103.02	6.463		
8,200.0	6,313.1	8,369.8	6,400.2	54.8	55.5	-97.63	-890.4	-1,817.4	665.7	557.3	108.38	6.142		
8,300.0	6,306.5	8,469.8	6,392.5	57.5	58.1	-97.53	-891.4	-1,917.1	665.5	551.7	113.75	5.850		
8,400.0	6,299.9	8,569.8	6,384.8	60.2	60.8	-97.43	-892.3	-2,016.8	665.3	546.2	119.15	5.584		

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

SRC Cannon Pad Sec.16-T4N-R68W - SRC Cannon 14-16CHZ - Wellbore #1 - Plan #2 (1-12-15)													Offset Site Error:	0.0 ft
Survey Program: 0-MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset	Highside Toolface	Offset Wellbore Centre		Between Centres	Between Ellipses	Minimum Separation	Separation Factor		
Depth (ft)	Depth (ft)	Depth (ft)	Depth (ft)	(ft)	(ft)	(°)	+N/-S (ft)	+E/-W (ft)	(ft)	(ft)	(ft)			
8,500.0	6,293.3	8,669.8	6,377.0	62.9	63.5	-97.34	-893.3	-2,116.5	665.2	540.6	124.57	5.340		
8,600.0	6,286.7	8,769.8	6,369.3	65.6	66.2	-97.24	-894.2	-2,216.2	665.1	535.1	130.00	5.116		
8,700.0	6,280.1	8,869.8	6,361.6	68.3	68.9	-97.14	-895.2	-2,315.9	664.9	529.5	135.45	4.909		
8,800.0	6,273.5	8,969.8	6,353.9	71.1	71.6	-97.05	-896.1	-2,415.6	664.8	523.9	140.90	4.718		
8,900.0	6,267.0	9,069.8	6,346.1	73.8	74.3	-96.95	-897.1	-2,515.3	664.6	518.3	146.37	4.541		
9,000.0	6,260.4	9,169.8	6,338.4	76.6	77.1	-96.85	-898.0	-2,615.0	664.5	512.6	151.85	4.376		
9,100.0	6,253.8	9,269.7	6,330.7	79.3	79.8	-96.76	-899.0	-2,714.7	664.4	507.0	157.34	4.222		
9,200.0	6,247.2	9,369.7	6,323.0	82.1	82.5	-96.66	-899.9	-2,814.3	664.2	501.4	162.84	4.079		
9,300.0	6,240.6	9,469.7	6,315.2	84.8	85.2	-96.56	-900.9	-2,914.0	664.1	495.7	168.34	3.945		
9,400.0	6,234.0	9,569.7	6,307.5	87.6	88.0	-96.46	-901.8	-3,013.7	664.0	490.1	173.86	3.819		
9,500.0	6,227.4	9,669.7	6,299.8	90.3	90.7	-96.37	-902.8	-3,113.4	663.8	484.5	179.37	3.701		
9,600.0	6,220.8	9,769.7	6,292.1	93.1	93.5	-96.27	-903.7	-3,213.1	663.7	478.8	184.90	3.590		
9,700.0	6,214.2	9,869.7	6,284.3	95.9	96.2	-96.17	-904.7	-3,312.8	663.6	473.2	190.43	3.485		
9,800.0	6,207.6	9,969.7	6,276.6	98.6	99.0	-96.07	-905.6	-3,412.5	663.5	467.5	195.96	3.386		
9,900.0	6,201.0	10,069.7	6,268.9	101.4	101.7	-95.98	-906.6	-3,512.2	663.3	461.8	201.50	3.292		
10,000.0	6,194.4	10,169.7	6,261.2	104.2	104.5	-95.88	-907.5	-3,611.9	663.2	456.2	207.05	3.203		
10,100.0	6,187.8	10,269.7	6,253.5	106.9	107.2	-95.78	-908.5	-3,711.6	663.1	450.5	212.60	3.119		
10,200.0	6,181.3	10,369.7	6,245.7	109.7	110.0	-95.68	-909.4	-3,811.2	663.0	444.8	218.15	3.039		
10,300.0	6,174.7	10,469.7	6,238.0	112.5	112.8	-95.59	-910.4	-3,910.9	662.9	439.2	223.70	2.963		
10,400.0	6,168.1	10,569.7	6,230.3	115.3	115.5	-95.49	-911.4	-4,010.6	662.8	433.5	229.26	2.891		
10,500.0	6,161.5	10,669.7	6,222.6	118.0	118.3	-95.39	-912.3	-4,110.3	662.7	427.8	234.83	2.822		
10,600.0	6,154.9	10,769.7	6,214.8	120.8	121.0	-95.29	-913.3	-4,210.0	662.5	422.2	240.39	2.756		
10,700.0	6,148.3	10,869.6	6,207.1	123.6	123.8	-95.20	-914.2	-4,309.7	662.4	416.5	245.96	2.693		
10,800.0	6,141.7	10,969.6	6,199.4	126.4	126.6	-95.10	-915.2	-4,409.4	662.3	410.8	251.53	2.633		
10,900.0	6,135.1	11,069.6	6,191.7	129.1	129.3	-95.00	-916.1	-4,509.1	662.2	405.1	257.11	2.576		
10,924.3	6,133.5	11,094.0	6,189.8	129.8	130.0	-94.98	-916.3	-4,533.3	662.2	403.7	258.46	2.562 SF		



<b>Company:</b>	Synergy Resources	<b>Local Co-ordinate Reference:</b>	Well SRC Cannon 24-16NHZ
<b>Project:</b>	SEC.16-T4N-R68W	<b>TVD Reference:</b>	WELL @ 4943.5ft (Ensign Rig #131 - RKB - 13.5')
<b>Reference Site:</b>	SRC Cannon Pad Sec.16-T4N-R68W	<b>MD Reference:</b>	WELL @ 4943.5ft (Ensign Rig #131 - RKB - 13.5')
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	SRC Cannon 24-16NHZ	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	Landmark
<b>Reference Design:</b>	Plan #2 (1-12-15)	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.0 ft
Survey Program: 0-MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.0	0.0	0.0	0.0	0.0	0.0	-180.00	-30.0	0.0	30.0					
100.0	100.0	99.0	99.0	0.1	0.1	-180.00	-30.0	0.0	30.0	29.8	0.22	134.142		
200.0	200.0	199.0	199.0	0.3	0.3	-180.00	-30.0	0.0	30.0	29.3	0.67	44.640		
300.0	300.0	299.0	299.0	0.6	0.6	-180.00	-30.0	0.0	30.0	28.9	1.12	26.748		
400.0	400.0	399.0	399.0	0.8	0.8	-180.00	-30.0	0.0	30.0	28.4	1.57	19.095		
500.0	500.0	499.0	499.0	1.0	1.0	-180.00	-30.0	0.0	30.0	28.0	2.02	14.847		
600.0	600.0	599.0	599.0	1.2	1.2	-180.00	-30.0	0.0	30.0	27.5	2.47	12.145		
700.0	700.0	699.0	699.0	1.5	1.5	-180.00	-30.0	0.0	30.0	27.1	2.92	10.275		
800.0	800.0	799.0	799.0	1.7	1.7	-180.00	-30.0	0.0	30.0	26.6	3.37	8.904 CC, ES		
900.0	900.0	898.3	898.2	1.9	1.9	179.20	-31.2	0.4	31.2	27.4	3.79	8.231		
1,000.0	1,000.0	997.4	997.3	2.1	2.1	177.10	-34.8	1.8	34.9	30.7	4.19	8.314		
1,100.0	1,100.0	1,096.2	1,095.9	2.4	2.3	174.43	-40.8	4.0	41.1	36.5	4.61	8.910		
1,200.0	1,200.0	1,194.7	1,194.0	2.6	2.5	171.83	-49.1	7.1	49.9	44.8	5.04	9.892		
1,300.0	1,300.0	1,292.6	1,291.2	2.8	2.7	169.59	-59.8	11.0	61.3	55.8	5.49	11.159		
1,400.0	1,400.0	1,389.9	1,387.5	3.0	2.9	167.78	-72.6	15.7	75.2	69.3	5.95	12.630		
1,500.0	1,500.0	1,486.6	1,482.9	3.2	3.2	34.08	-87.7	21.3	90.6	84.3	6.30	14.386		
1,600.0	1,599.9	1,585.3	1,580.0	3.4	3.6	33.97	-104.5	27.5	105.3	98.6	6.70	15.725		
1,700.0	1,699.7	1,684.5	1,677.6	3.6	3.9	34.58	-121.3	33.7	117.9	110.8	7.11	16.589		
1,800.0	1,799.3	1,783.9	1,775.4	3.8	4.3	35.75	-138.1	39.9	128.4	120.9	7.53	17.044		
1,892.2	1,890.8	1,875.7	1,865.6	4.0	4.6	37.25	-153.6	45.6	136.2	128.3	7.94	17.162		
1,900.0	1,898.6	1,883.5	1,873.3	4.0	4.6	37.40	-155.0	46.1	136.8	128.9	7.98	17.158		
2,000.0	1,997.7	1,983.1	1,971.3	4.3	5.0	39.20	-171.8	52.3	144.5	136.1	8.45	17.110		
2,100.0	2,096.9	2,082.7	2,069.2	4.5	5.4	40.82	-188.7	58.5	152.4	143.4	8.94	17.052		
2,200.0	2,196.1	2,182.3	2,167.2	4.8	5.8	42.28	-205.6	64.8	160.3	150.9	9.44	16.985		
2,300.0	2,295.3	2,281.9	2,265.2	5.1	6.1	43.60	-222.5	71.0	168.3	158.4	9.95	16.913		
2,400.0	2,394.4	2,381.5	2,363.1	5.3	6.5	44.80	-239.3	77.2	176.5	166.0	10.48	16.835		
2,500.0	2,493.6	2,481.1	2,461.1	5.6	6.9	45.89	-256.2	83.4	184.6	173.6	11.02	16.756		
2,600.0	2,592.8	2,580.7	2,559.1	5.9	7.3	46.89	-273.1	89.7	192.9	181.3	11.57	16.674		
2,700.0	2,691.9	2,680.4	2,657.0	6.2	7.7	47.81	-289.9	95.9	201.2	189.0	12.12	16.593		
2,800.0	2,791.1	2,780.0	2,755.0	6.5	8.1	48.66	-306.8	102.1	209.5	196.8	12.69	16.512		
2,900.0	2,890.3	2,879.6	2,853.0	6.8	8.5	49.44	-323.7	108.3	217.9	204.6	13.26	16.432		
3,000.0	2,889.5	2,879.2	2,850.9	7.1	8.9	50.16	-340.6	114.6	226.3	212.5	13.84	16.354		
3,100.0	3,088.6	3,078.8	3,048.9	7.4	9.3	50.83	-357.4	120.8	234.8	220.4	14.42	16.278		
3,200.0	3,187.8	3,178.4	3,146.9	7.7	9.7	51.46	-374.3	127.0	243.3	228.3	15.01	16.204		
3,300.0	3,287.0	3,278.0	3,244.9	8.1	10.1	52.04	-391.2	133.2	251.8	236.2	15.61	16.133		
3,400.0	3,386.1	3,377.6	3,342.8	8.4	10.6	52.58	-408.1	139.5	260.3	244.1	16.21	16.064		
3,500.0	3,485.3	3,477.2	3,440.8	8.7	11.0	53.09	-424.9	145.7	268.9	252.1	16.81	15.997		
3,600.0	3,584.5	3,576.8	3,538.8	9.0	11.4	53.57	-441.8	151.9	277.5	260.0	17.41	15.934		
3,700.0	3,683.7	3,676.4	3,636.7	9.3	11.8	54.02	-458.7	158.1	286.1	268.0	18.02	15.872		
3,800.0	3,782.8	3,776.0	3,734.7	9.6	12.2	54.44	-475.5	164.4	294.7	276.0	18.63	15.813		
3,826.6	3,809.2	3,802.5	3,760.7	9.7	12.3	54.55	-480.0	166.0	297.0	278.2	18.80	15.798		
3,900.0	3,882.1	3,875.6	3,832.6	9.9	12.6	54.82	-492.4	170.6	303.7	284.5	19.22	15.801		
4,000.0	3,981.6	3,975.0	3,930.4	10.2	13.0	54.84	-509.3	176.8	314.2	294.5	19.73	15.923		
4,100.0	4,081.4	4,074.3	4,028.1	10.4	13.4	54.51	-526.1	183.0	326.2	306.0	20.19	16.152		
4,200.0	4,181.3	4,173.2	4,125.4	10.6	13.8	53.87	-542.8	189.2	339.7	319.1	20.61	16.483		
4,300.0	4,281.2	4,271.9	4,222.4	10.8	14.2	52.98	-559.5	195.3	354.9	333.9	20.98	16.915		
4,318.8	4,300.0	4,290.3	4,240.6	10.8	14.3	-174.62	-562.7	196.5	357.9	334.5	23.41	15.292		
4,400.0	4,381.2	4,370.2	4,319.1	10.9	14.6	-175.60	-576.2	201.5	371.2	347.3	23.95	15.502		
4,500.0	4,481.2	4,469.2	4,416.5	11.1	15.0	-176.71	-593.0	207.7	387.8	363.2	24.61	15.757		
4,600.0	4,581.2	4,578.2	4,524.0	11.3	15.4	-177.74	-609.8	213.9	403.0	377.8	25.19	15.998		
4,700.0	4,681.2	4,688.2	4,633.0	11.5	15.6	-178.54	-623.9	219.1	415.6	389.9	25.72	16.163		

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



<b>Company:</b>	Synergy Resources	<b>Local Co-ordinate Reference:</b>	Well SRC Cannon 24-16NHZ
<b>Project:</b>	SEC.16-T4N-R68W	<b>TVD Reference:</b>	WELL @ 4943.5ft (Ensign Rig #131 - RKB - 13.5')
<b>Reference Site:</b>	SRC Cannon Pad Sec.16-T4N-R68W	<b>MD Reference:</b>	WELL @ 4943.5ft (Ensign Rig #131 - RKB - 13.5')
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	SRC Cannon 24-16NHZ	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	Landmark
<b>Reference Design:</b>	Plan #2 (1-12-15)	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SRC Cannon Pad Sec.16-T4N-R68W - SRC Cannon 14-16NHZ - Wellbore #1 - Plan #2 (1-12-15)												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		Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
							+N/-S (ft)	+E/-W (ft)						
4,800.0	4,781.2	4,799.0	4,743.1	11.6	15.9	-179.14	-635.1	223.2	425.7	399.5	26.20	16.247		
4,900.0	4,881.2	4,910.4	4,854.2	11.8	16.1	-179.56	-643.4	226.3	433.1	406.4	26.64	16.254		
5,000.0	4,981.2	5,022.2	4,965.8	12.0	16.3	-179.81	-648.6	228.2	437.7	410.7	27.05	16.184		
5,100.0	5,081.2	5,134.3	5,077.9	12.2	16.5	-179.92	-650.7	229.0	439.6	412.2	27.42	16.036		
5,200.0	5,181.2	5,236.6	5,180.2	12.4	16.6	-179.92	-650.8	229.0	439.7	411.9	27.75	15.844		
5,300.0	5,281.2	5,336.6	5,280.2	12.6	16.7	-179.92	-650.8	229.0	439.7	411.6	28.08	15.661		
5,400.0	5,381.2	5,436.6	5,380.2	12.8	16.9	-179.92	-650.8	229.0	439.7	411.3	28.40	15.480		
5,500.0	5,481.2	5,536.6	5,480.2	12.9	17.0	-179.92	-650.8	229.0	439.7	411.0	28.74	15.301		
5,600.0	5,581.2	5,636.6	5,580.2	13.1	17.1	-179.92	-650.8	229.0	439.7	410.6	29.07	15.125		
5,700.0	5,681.2	5,736.6	5,680.2	13.3	17.3	-179.92	-650.8	229.0	439.7	410.3	29.41	14.952		
5,756.1	5,737.3	5,792.7	5,736.3	13.4	17.3	-179.92	-650.8	229.0	439.7	410.1	29.60	14.856		
5,787.0	5,768.3	5,823.6	5,767.2	13.5	17.4	-179.92	-650.8	229.0	439.7	410.0	29.70	14.804		
5,800.0	5,781.2	5,836.5	5,780.1	13.5	17.4	-89.36	-650.8	228.7	439.7	413.2	26.53	16.576		
5,850.0	5,831.1	5,886.1	5,829.6	13.6	17.4	-89.31	-650.8	225.4	439.7	413.0	26.68	16.481		
5,900.0	5,880.6	5,935.7	5,878.6	13.7	17.5	-89.26	-650.9	218.2	439.7	412.9	26.80	16.407		
5,950.0	5,929.5	5,985.2	5,926.9	13.7	17.5	-89.22	-651.0	207.2	439.7	412.8	26.89	16.353		
6,000.0	5,977.3	6,034.7	5,974.2	13.7	17.5	-89.18	-651.1	192.5	439.7	412.8	26.96	16.312		
6,050.0	6,023.8	6,084.2	6,020.2	13.8	17.6	-89.14	-651.3	174.2	439.7	412.7	27.02	16.277		
6,100.0	6,068.8	6,133.7	6,064.6	13.8	17.6	-89.12	-651.5	152.4	439.7	412.6	27.08	16.239		
6,150.0	6,111.9	6,183.2	6,107.1	13.8	17.6	-89.09	-651.8	127.2	439.7	412.6	27.17	16.187		
6,200.0	6,152.9	6,232.6	6,147.6	13.8	17.6	-89.08	-652.0	98.8	439.7	412.4	27.30	16.107		
6,250.0	6,191.5	6,282.1	6,185.7	13.9	17.6	-89.07	-652.3	67.4	439.7	412.2	27.51	15.986		
6,300.0	6,227.5	6,331.5	6,221.3	13.9	17.6	-89.06	-652.7	33.1	439.7	411.9	27.82	15.809		
6,350.0	6,260.7	6,381.0	6,254.1	14.1	17.6	-89.06	-653.0	-3.9	439.7	411.5	28.25	15.566		
6,400.0	6,290.8	6,430.4	6,283.9	14.3	17.6	-89.07	-653.4	-43.3	439.7	410.9	28.84	15.249		
6,450.0	6,317.7	6,479.8	6,310.6	14.6	17.6	-89.08	-653.8	-84.9	439.7	410.1	29.59	14.859		
6,500.0	6,341.3	6,529.3	6,334.0	15.1	17.7	-89.09	-654.2	-128.5	439.7	409.2	30.53	14.401		
6,550.0	6,361.3	6,578.8	6,354.0	15.7	17.8	-89.12	-654.6	-173.7	439.7	408.1	31.66	13.887		
6,600.0	6,377.6	6,628.3	6,370.3	16.4	18.0	-89.14	-655.1	-220.4	439.7	406.7	32.98	13.335		
6,650.0	6,390.2	6,677.7	6,383.0	17.2	18.4	-89.18	-655.6	-268.2	439.7	405.3	34.46	12.760		
6,700.0	6,398.9	6,727.3	6,392.0	18.0	19.0	-89.22	-656.0	-316.9	439.7	403.6	36.10	12.182		
6,750.0	6,403.8	6,776.8	6,397.1	18.9	19.7	-89.26	-656.5	-366.2	439.7	401.9	37.86	11.614		
6,800.0	6,404.7	6,826.4	6,398.4	19.8	20.6	-89.31	-657.0	-415.7	439.7	400.0	39.73	11.067		
6,829.0	6,403.5	6,855.2	6,397.4	20.4	21.1	-89.34	-657.2	-444.5	439.7	398.9	40.85	10.764		
6,834.0	6,403.2	6,860.1	6,397.1	20.5	21.2	-89.34	-657.3	-449.4	439.7	398.7	41.05	10.712		
6,900.0	6,398.8	6,926.0	6,392.0	21.9	22.5	-89.25	-657.9	-515.1	439.7	396.0	43.75	10.051		
7,000.0	6,392.2	7,026.0	6,384.3	24.1	24.6	-89.10	-658.9	-614.8	439.7	391.7	48.07	9.147		
7,100.0	6,385.6	7,126.0	6,376.6	26.3	26.8	-88.95	-659.8	-714.5	439.8	387.1	52.64	8.355		
7,200.0	6,379.0	7,226.0	6,368.9	28.7	29.1	-88.80	-660.8	-814.2	439.8	382.4	57.38	7.664		
7,300.0	6,372.4	7,326.0	6,361.2	31.2	31.6	-88.66	-661.7	-913.9	439.8	377.5	62.27	7.063		
7,400.0	6,365.8	7,426.0	6,353.4	33.7	34.0	-88.51	-662.7	-1,013.6	439.8	372.6	67.26	6.539		
7,500.0	6,359.3	7,526.0	6,345.7	36.2	36.5	-88.36	-663.6	-1,113.3	439.9	367.5	72.35	6.080		
7,600.0	6,352.7	7,626.0	6,338.0	38.8	39.1	-88.21	-664.6	-1,213.0	439.9	362.4	77.50	5.676		
7,700.0	6,346.1	7,726.0	6,330.3	41.4	41.7	-88.07	-665.5	-1,312.7	439.9	357.2	82.70	5.319		
7,800.0	6,339.5	7,826.0	6,322.5	44.1	44.3	-87.92	-666.5	-1,412.4	440.0	352.0	87.96	5.002		
7,900.0	6,332.9	7,926.0	6,314.8	46.7	46.9	-87.77	-667.4	-1,512.0	440.0	346.8	93.24	4.719		
8,000.0	6,326.3	8,026.0	6,307.1	49.4	49.5	-87.62	-668.4	-1,611.7	440.1	341.5	98.56	4.465		
8,100.0	6,319.7	8,126.0	6,299.4	52.1	52.2	-87.48	-669.3	-1,711.4	440.1	336.2	103.91	4.235		
8,200.0	6,313.1	8,226.0	6,291.6	54.8	54.9	-87.33	-670.3	-1,811.1	440.2	330.9	109.28	4.028		
8,300.0	6,306.5	8,326.0	6,283.9	57.5	57.6	-87.18	-671.2	-1,910.8	440.2	325.5	114.66	3.839		

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

<b>Company:</b>	Synergy Resources	<b>Local Co-ordinate Reference:</b>	Well SRC Cannon 24-16NHZ
<b>Project:</b>	SEC.16-T4N-R68W	<b>TVD Reference:</b>	WELL @ 4943.5ft (Ensign Rig #131 - RKB - 13.5')
<b>Reference Site:</b>	SRC Cannon Pad Sec.16-T4N-R68W	<b>MD Reference:</b>	WELL @ 4943.5ft (Ensign Rig #131 - RKB - 13.5')
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	SRC Cannon 24-16NHZ	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	Landmark
<b>Reference Design:</b>	Plan #2 (1-12-15)	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design		SRC Cannon Pad Sec.16-T4N-R68W - SRC Cannon 14-16NHZ - Wellbore #1 - Plan #2 (1-12-15)										Offset Site Error:		0.0 ft
Survey Program: 0-MWD												Offset Well Error:		0.0 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset	Highside Toolface	Offset Wellbore Centre		Between Centres	Between Ellipses	Minimum Separation	Separation Factor		
(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(°)	+N/-S (ft)	+E/-W (ft)	(ft)	(ft)	(ft)			
8,400.0	6,299.9	8,425.9	6,276.2	60.2	60.2	-87.03	-672.2	-2,010.5	440.3	320.2	120.07	3.667		
8,500.0	6,293.3	8,525.9	6,268.5	62.9	62.9	-86.89	-673.1	-2,110.2	440.3	314.8	125.48	3.509		
8,600.0	6,286.7	8,625.9	6,260.7	65.6	65.7	-86.74	-674.1	-2,209.9	440.4	309.5	130.91	3.364		
8,700.0	6,280.1	8,725.9	6,253.0	68.3	68.4	-86.59	-675.1	-2,309.6	440.5	304.1	136.34	3.231		
8,800.0	6,273.5	8,825.9	6,245.3	71.1	71.1	-86.44	-676.0	-2,409.3	440.5	298.7	141.78	3.107		
8,900.0	6,267.0	8,925.9	6,237.6	73.8	73.8	-86.30	-677.0	-2,509.0	440.6	293.4	147.23	2.993		
9,000.0	6,260.4	9,025.9	6,229.9	76.6	76.6	-86.15	-677.9	-2,608.6	440.7	288.0	152.69	2.886		
9,100.0	6,253.8	9,125.9	6,222.1	79.3	79.3	-86.00	-678.9	-2,708.3	440.8	282.6	158.15	2.787		
9,200.0	6,247.2	9,225.9	6,214.4	82.1	82.0	-85.85	-679.8	-2,808.0	440.8	277.2	163.61	2.694		
9,300.0	6,240.6	9,325.9	6,206.7	84.8	84.8	-85.71	-680.8	-2,907.7	440.9	271.8	169.08	2.608		
9,400.0	6,234.0	9,425.9	6,199.0	87.6	87.5	-85.56	-681.7	-3,007.4	441.0	266.5	174.55	2.527		
9,500.0	6,227.4	9,525.9	6,191.2	90.3	90.3	-85.41	-682.7	-3,107.1	441.1	261.1	180.02	2.450		
9,600.0	6,220.8	9,625.9	6,183.5	93.1	93.0	-85.27	-683.6	-3,206.8	441.2	255.7	185.49	2.378		
9,700.0	6,214.2	9,725.9	6,175.8	95.9	95.8	-85.12	-684.6	-3,306.5	441.3	250.3	190.96	2.311		
9,800.0	6,207.6	9,825.9	6,168.1	98.6	98.5	-84.97	-685.5	-3,406.2	441.4	244.9	196.44	2.247		
9,900.0	6,201.0	9,925.9	6,160.3	101.4	101.3	-84.83	-686.5	-3,505.9	441.5	239.6	201.91	2.187		
10,000.0	6,194.4	10,025.8	6,152.6	104.2	104.1	-84.68	-687.4	-3,605.5	441.6	234.2	207.38	2.129		
10,100.0	6,187.8	10,125.8	6,144.9	106.9	106.8	-84.53	-688.4	-3,705.2	441.7	228.8	212.85	2.075		
10,200.0	6,181.3	10,225.8	6,137.2	109.7	109.6	-84.39	-689.3	-3,804.9	441.8	223.5	218.33	2.024		
10,300.0	6,174.7	10,325.8	6,129.4	112.5	112.4	-84.24	-690.3	-3,904.6	441.9	218.1	223.79	1.975		
10,400.0	6,168.1	10,425.8	6,121.7	115.3	115.1	-84.09	-691.2	-4,004.3	442.0	212.8	229.26	1.928		
10,500.0	6,161.5	10,525.8	6,114.0	118.0	117.9	-83.95	-692.2	-4,104.0	442.1	207.4	234.73	1.884		
10,600.0	6,154.9	10,625.8	6,106.3	120.8	120.7	-83.80	-693.1	-4,203.7	442.3	202.1	240.19	1.841		
10,700.0	6,148.3	10,725.8	6,098.6	123.6	123.4	-83.66	-694.1	-4,303.4	442.4	196.7	245.65	1.801		
10,800.0	6,141.7	10,825.8	6,090.8	126.4	126.2	-83.51	-695.1	-4,403.1	442.5	191.4	251.11	1.762		
10,900.0	6,135.1	10,925.8	6,083.1	129.1	128.7	-83.36	-696.0	-4,502.8	442.7	186.3	256.31	1.727		
10,924.3	6,133.5	10,950.1	6,081.2	129.8	129.2	-83.33	-696.2	-4,527.0	442.7	185.3	257.40	1.720 SF		

<b>Company:</b>	Synergy Resources	<b>Local Co-ordinate Reference:</b>	Well SRC Cannon 24-16NHZ
<b>Project:</b>	SEC.16-T4N-R68W	<b>TVD Reference:</b>	WELL @ 4943.5ft (Ensign Rig #131 - RKB - 13.5')
<b>Reference Site:</b>	SRC Cannon Pad Sec.16-T4N-R68W	<b>MD Reference:</b>	WELL @ 4943.5ft (Ensign Rig #131 - RKB - 13.5')
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	SRC Cannon 24-16NHZ	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	Landmark
<b>Reference Design:</b>	Plan #2 (1-12-15)	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SRC Cannon Pad Sec.16-T4N-R68W - SRC Cannon 24-16CHZ - Wellbore #1 - Plan #2 (1-12-15)													Offset Site Error:	0.0ft
Survey Program: 0-MWD													Offset Well Error:	0.0ft
Reference	Offset	Semi Major Axis		Distance										
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning	
0.0	0.0	0.0	0.0	0.0	0.0	-180.00	-15.0	0.0	15.0	15.0	0.00	N/A		
100.0	100.0	100.0	100.0	0.1	0.1	-180.00	-15.0	0.0	15.0	14.8	0.22	66.736		
200.0	200.0	200.0	200.0	0.3	0.3	-180.00	-15.0	0.0	15.0	14.3	0.67	22.245		
300.0	300.0	300.0	300.0	0.6	0.6	-180.00	-15.0	0.0	15.0	13.9	1.12	13.347		
400.0	400.0	400.0	400.0	0.8	0.8	-180.00	-15.0	0.0	15.0	13.4	1.57	9.534		
500.0	500.0	500.0	500.0	1.0	1.0	-180.00	-15.0	0.0	15.0	13.0	2.02	7.415		
600.0	600.0	600.0	600.0	1.2	1.2	-180.00	-15.0	0.0	15.0	12.5	2.47	6.067		
700.0	700.0	700.0	700.0	1.5	1.5	-180.00	-15.0	0.0	15.0	12.1	2.92	5.134		
800.0	800.0	800.0	800.0	1.7	1.7	-180.00	-15.0	0.0	15.0	11.6	3.37	4.449		
900.0	900.0	900.0	900.0	1.9	1.9	-180.00	-15.0	0.0	15.0	11.2	3.82	3.926		
1,000.0	1,000.0	1,000.0	1,000.0	2.1	2.1	-180.00	-15.0	0.0	15.0	10.7	4.27	3.512 CC		
1,100.0	1,100.0	1,099.6	1,099.6	2.4	2.3	177.78	-16.1	0.6	16.2	11.5	4.69	3.443		
1,200.0	1,200.0	1,199.1	1,199.0	2.6	2.5	172.71	-19.5	2.5	19.7	14.6	5.10	3.871		
1,300.0	1,300.0	1,298.4	1,298.1	2.8	2.7	167.44	-25.2	5.6	25.9	20.4	5.51	4.698		
1,400.0	1,400.0	1,397.2	1,396.5	3.0	2.9	163.26	-33.1	9.9	34.7	28.8	5.94	5.845		
1,500.0	1,500.0	1,495.6	1,494.2	3.2	3.1	28.36	-43.1	15.5	45.0	38.7	6.33	7.120		
1,600.0	1,599.9	1,594.6	1,592.3	3.4	3.4	27.79	-55.1	22.1	55.2	48.5	6.71	8.226		
1,700.0	1,699.7	1,694.3	1,691.0	3.6	3.7	28.46	-67.3	28.8	63.2	56.1	7.10	8.907		
1,800.0	1,799.3	1,794.1	1,789.8	3.8	3.9	30.03	-79.5	35.5	69.0	61.5	7.51	9.198		
1,892.2	1,890.8	1,886.2	1,881.0	4.0	4.2	32.23	-90.8	41.7	72.4	64.5	7.89	9.176		
1,900.0	1,898.6	1,894.0	1,888.7	4.0	4.2	32.44	-91.8	42.2	72.7	64.7	7.93	9.163		
2,000.0	1,997.7	1,993.9	1,987.6	4.3	4.5	35.13	-104.0	49.0	75.5	67.1	8.38	9.004		
2,100.0	2,096.9	2,093.8	2,086.6	4.5	4.8	37.61	-116.2	55.7	78.5	69.6	8.86	8.860		
2,200.0	2,196.1	2,193.7	2,185.5	4.8	5.2	39.91	-128.5	62.4	81.6	72.3	9.35	8.729		
2,300.0	2,295.3	2,293.6	2,284.4	5.1	5.5	42.03	-140.7	69.2	84.8	75.0	9.85	8.610		
2,400.0	2,394.4	2,393.5	2,383.3	5.3	5.8	44.00	-153.0	75.9	88.2	77.8	10.37	8.501		
2,500.0	2,493.6	2,493.4	2,482.2	5.6	6.1	45.82	-165.2	82.6	91.6	80.7	10.91	8.400		
2,600.0	2,592.8	2,593.3	2,581.1	5.9	6.5	47.50	-177.5	89.4	95.2	83.7	11.46	8.307		
2,700.0	2,691.9	2,693.2	2,680.1	6.2	6.8	49.07	-189.7	96.1	98.8	86.8	12.02	8.221		
2,800.0	2,791.1	2,793.1	2,779.0	6.5	7.1	50.52	-201.9	102.9	102.5	89.9	12.59	8.141		
2,900.0	2,890.3	2,893.0	2,877.9	6.8	7.5	51.87	-214.2	109.6	106.2	93.0	13.17	8.067		
3,000.0	2,989.5	2,992.9	2,976.8	7.1	7.8	53.13	-226.4	116.3	110.0	96.2	13.75	7.998		
3,100.0	3,088.6	3,092.8	3,075.7	7.4	8.1	54.31	-238.7	123.1	113.8	99.5	14.35	7.934		
3,200.0	3,187.8	3,192.7	3,174.6	7.7	8.5	55.41	-250.9	129.8	117.7	102.8	14.95	7.875		
3,300.0	3,287.0	3,292.6	3,273.6	8.1	8.8	56.43	-263.1	136.5	121.7	106.1	15.56	7.819		
3,400.0	3,386.1	3,392.5	3,372.5	8.4	9.2	57.40	-275.4	143.3	125.6	109.5	16.17	7.768		
3,500.0	3,485.3	3,492.4	3,471.4	8.7	9.5	58.30	-287.6	150.0	129.6	112.8	16.79	7.720		
3,600.0	3,584.5	3,592.3	3,570.3	9.0	9.8	59.15	-299.9	156.7	133.7	116.2	17.42	7.675		
3,700.0	3,683.7	3,692.2	3,669.2	9.3	10.2	59.95	-312.1	163.5	137.7	119.7	18.04	7.633		
3,800.0	3,782.8	3,792.1	3,768.2	9.6	10.5	60.70	-324.3	170.2	141.8	123.1	18.67	7.594		
3,826.6	3,809.2	3,818.6	3,794.4	9.7	10.6	60.90	-327.6	172.0	142.9	124.1	18.84	7.584		
3,900.0	3,882.1	3,892.0	3,867.1	9.9	10.9	61.22	-336.6	176.9	146.3	127.0	19.27	7.589		
4,000.0	3,981.6	3,991.8	3,965.9	10.2	11.2	60.89	-348.8	183.7	151.9	132.2	19.77	7.685		
4,100.0	4,081.4	4,091.5	4,064.6	10.4	11.6	59.79	-361.0	190.4	158.9	138.7	20.19	7.869		
4,200.0	4,181.3	4,191.0	4,163.2	10.6	11.9	58.04	-373.2	197.1	167.3	146.8	20.55	8.141		
4,300.0	4,281.2	4,290.3	4,261.4	10.8	12.3	55.79	-385.4	203.8	177.3	156.5	20.85	8.506		
4,318.8	4,300.0	4,308.8	4,279.8	10.8	12.3	-172.08	-387.7	205.0	179.4	158.2	21.18	8.472		
4,400.0	4,381.2	4,389.3	4,359.5	10.9	12.6	-174.14	-397.5	210.5	188.7	166.9	21.73	8.682		
4,500.0	4,481.2	4,492.6	4,461.9	11.1	12.9	-176.32	-409.1	216.8	199.4	177.0	22.32	8.933		
4,600.0	4,581.2	4,596.8	4,565.6	11.3	13.1	-177.88	-418.4	221.9	208.0	185.1	22.84	9.105		
4,700.0	4,681.2	4,701.5	4,670.0	11.5	13.3	-178.95	-425.1	225.7	214.4	191.0	23.32	9.194		

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

<b>Company:</b>	Synergy Resources	<b>Local Co-ordinate Reference:</b>	Well SRC Cannon 24-16NHZ
<b>Project:</b>	SEC.16-T4N-R68W	<b>TVD Reference:</b>	WELL @ 4943.5ft (Ensign Rig #131 - RKB - 13.5')
<b>Reference Site:</b>	SRC Cannon Pad Sec.16-T4N-R68W	<b>MD Reference:</b>	WELL @ 4943.5ft (Ensign Rig #131 - RKB - 13.5')
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	SRC Cannon 24-16NHZ	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	Landmark
<b>Reference Design:</b>	Plan #2 (1-12-15)	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design		SRC Cannon Pad Sec.16-T4N-R68W - SRC Cannon 24-16CHZ - Wellbore #1 - Plan #2 (1-12-15)										Offset Site Error:		0.0 ft
Survey Program: 0-MWD												Offset Well Error:		0.0 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
4,800.0	4,781.2	4,806.6	4,775.0	11.6	13.5	-179.58	-429.4	228.0	218.4	194.7	23.74	9.200		
4,900.0	4,881.2	4,911.9	4,880.2	11.8	13.7	-179.84	-431.2	229.0	220.1	195.9	24.12	9.123		
5,000.0	4,981.2	5,012.9	4,981.2	12.0	13.8	-179.84	-431.2	229.0	220.1	195.6	24.48	8.992		
5,100.0	5,081.2	5,112.9	5,081.2	12.2	14.0	-179.84	-431.2	229.0	220.1	195.3	24.83	8.865		
5,200.0	5,181.2	5,212.9	5,181.2	12.4	14.1	-179.84	-431.2	229.0	220.1	194.9	25.18	8.741		
5,300.0	5,281.2	5,312.9	5,281.2	12.6	14.3	-179.84	-431.2	229.0	220.1	194.6	25.53	8.620		
5,400.0	5,381.2	5,412.9	5,381.2	12.8	14.4	-179.84	-431.2	229.0	220.1	194.2	25.89	8.501		
5,500.0	5,481.2	5,512.9	5,481.2	12.9	14.6	-179.84	-431.2	229.0	220.1	193.8	26.25	8.384		
5,600.0	5,581.2	5,612.9	5,581.2	13.1	14.8	-179.84	-431.2	229.0	220.1	193.5	26.61	8.270		
5,700.0	5,681.2	5,712.9	5,681.2	13.3	14.9	-179.84	-431.2	229.0	220.1	193.1	26.98	8.158		
5,787.0	5,768.3	5,799.9	5,768.3	13.5	15.1	-179.84	-431.2	229.0	220.1	192.8	27.30	8.063		
5,800.0	5,781.2	5,812.9	5,781.2	13.5	15.1	-89.33	-431.2	229.0	220.1	193.9	26.15	8.417		
5,845.7	5,826.8	5,858.5	5,826.8	13.6	15.2	-90.00	-431.2	229.0	220.1	193.8	26.27	8.379		
5,850.0	5,831.1	5,862.8	5,831.1	13.6	15.2	-90.11	-431.2	229.0	220.1	193.8	26.28	8.376		
5,900.0	5,880.6	5,912.3	5,880.7	13.7	15.2	-91.87	-431.2	229.0	220.2	193.9	26.32	8.365		
5,950.0	5,929.5	5,962.5	5,930.8	13.7	15.3	-94.02	-431.2	226.6	220.6	194.3	26.32	8.382		
6,000.0	5,977.3	6,013.4	5,981.3	13.7	15.4	-96.14	-431.3	220.1	221.4	195.1	26.30	8.417		
6,050.0	6,023.8	6,065.0	6,031.8	13.8	15.4	-98.23	-431.4	209.4	222.4	196.2	26.27	8.467		
6,100.0	6,068.8	6,117.3	6,081.9	13.8	15.4	-100.27	-431.5	194.5	223.8	197.5	26.23	8.529		
6,150.0	6,111.9	6,170.4	6,131.3	13.8	15.5	-102.23	-431.7	175.2	225.3	199.1	26.20	8.598		
6,200.0	6,152.9	6,224.2	6,179.6	13.8	15.5	-104.10	-431.9	151.5	227.1	200.9	26.20	8.668		
6,250.0	6,191.5	6,278.8	6,226.4	13.9	15.5	-105.87	-432.2	123.4	229.0	202.8	26.23	8.730		
6,300.0	6,227.5	6,334.1	6,271.1	13.9	15.5	-107.53	-432.5	90.9	231.0	204.7	26.32	8.775		
6,350.0	6,260.7	6,390.2	6,313.4	14.1	15.5	-109.05	-432.9	54.1	233.0	206.5	26.51	8.792		
6,400.0	6,290.8	6,446.9	6,352.8	14.3	15.5	-110.45	-433.3	13.3	235.1	208.3	26.80	8.770		
6,450.0	6,317.7	6,504.3	6,388.7	14.6	15.5	-111.69	-433.7	-31.4	237.0	209.8	27.25	8.697		
6,500.0	6,341.3	6,562.3	6,420.8	15.1	15.5	-112.79	-434.1	-79.7	238.9	211.0	27.88	8.566		
6,550.0	6,361.3	6,620.9	6,448.7	15.7	15.6	-113.73	-434.6	-131.2	240.5	211.8	28.68	8.385		
6,600.0	6,377.6	6,679.9	6,471.8	16.4	16.2	-114.50	-435.2	-185.5	241.9	212.2	29.70	8.147		
6,650.0	6,390.2	6,739.4	6,489.9	17.2	17.0	-115.11	-435.7	-242.1	243.1	212.2	30.91	7.864		
6,700.0	6,398.9	6,799.1	6,502.7	18.0	17.9	-115.55	-436.3	-300.4	244.0	211.6	32.32	7.549		
6,750.0	6,403.8	6,859.1	6,510.0	18.9	19.0	-115.82	-436.8	-359.9	244.5	210.6	33.91	7.210		
6,800.0	6,404.7	6,919.1	6,511.7	19.8	20.1	-115.92	-437.4	-420.0	244.7	209.0	35.66	6.862		
6,829.0	6,403.5	6,953.6	6,510.1	20.4	20.8	-115.89	-437.7	-454.4	244.6	207.9	36.73	6.661		
6,900.0	6,398.8	7,024.6	6,505.1	21.9	22.2	-115.83	-438.4	-525.2	244.5	205.1	39.36	6.211		
7,000.0	6,392.2	7,124.6	6,498.0	24.1	24.4	-115.74	-439.3	-624.9	244.3	201.0	43.30	5.642		
7,100.0	6,385.6	7,224.6	6,491.0	26.3	26.7	-115.65	-440.3	-724.7	244.1	196.6	47.47	5.143		
7,200.0	6,379.0	7,324.6	6,484.0	28.7	29.1	-115.55	-441.2	-824.4	243.9	192.1	51.82	4.708		
7,300.0	6,372.4	7,424.6	6,477.0	31.2	31.5	-115.46	-442.2	-924.2	243.7	187.4	56.30	4.330		
7,400.0	6,365.8	7,524.6	6,469.9	33.7	34.0	-115.37	-443.2	-1,023.9	243.6	182.7	60.89	4.000		
7,500.0	6,359.3	7,624.6	6,462.9	36.2	36.5	-115.28	-444.1	-1,123.7	243.4	177.8	65.57	3.712		
7,600.0	6,352.7	7,724.6	6,455.9	38.8	39.1	-115.18	-445.1	-1,223.4	243.2	172.9	70.31	3.458		
7,700.0	6,346.1	7,824.6	6,448.8	41.4	41.7	-115.09	-446.0	-1,323.2	243.0	167.9	75.12	3.235		
7,800.0	6,339.5	7,924.6	6,441.8	44.1	44.3	-115.00	-447.0	-1,422.9	242.8	162.8	79.98	3.036		
7,900.0	6,332.9	8,024.6	6,434.8	46.7	46.9	-114.90	-447.9	-1,522.7	242.6	157.7	84.88	2.858		
8,000.0	6,326.3	8,124.6	6,427.8	49.4	49.6	-114.81	-448.9	-1,622.4	242.4	152.6	89.82	2.699		
8,100.0	6,319.7	8,224.6	6,420.7	52.1	52.3	-114.72	-449.8	-1,722.1	242.3	147.5	94.79	2.556		
8,200.0	6,313.1	8,324.6	6,413.7	54.8	55.0	-114.62	-450.8	-1,821.9	242.1	142.3	99.79	2.426		
8,300.0	6,306.5	8,424.6	6,406.7	57.5	57.7	-114.53	-451.7	-1,921.6	241.9	137.1	104.81	2.308		
8,400.0	6,299.9	8,524.6	6,399.7	60.2	60.4	-114.43	-452.7	-2,021.4	241.7	131.8	109.86	2.200		

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

<b>Company:</b>	Synergy Resources	<b>Local Co-ordinate Reference:</b>	Well SRC Cannon 24-16NHZ
<b>Project:</b>	SEC.16-T4N-R68W	<b>TVD Reference:</b>	WELL @ 4943.5ft (Ensign Rig #131 - RKB - 13.5')
<b>Reference Site:</b>	SRC Cannon Pad Sec.16-T4N-R68W	<b>MD Reference:</b>	WELL @ 4943.5ft (Ensign Rig #131 - RKB - 13.5')
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	SRC Cannon 24-16NHZ	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	Landmark
<b>Reference Design:</b>	Plan #2 (1-12-15)	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design		SRC Cannon Pad Sec.16-T4N-R68W - SRC Cannon 24-16CHZ - Wellbore #1 - Plan #2 (1-12-15)										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		Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
							+N/-S (ft)	+E/-W (ft)						
8,500.0	6,293.3	8,624.6	6,392.6	62.9	63.1	-114.34	-453.6	-2,121.1	241.5	126.6	114.93	2.102		
8,600.0	6,286.7	8,724.6	6,385.6	65.6	65.8	-114.25	-454.6	-2,220.9	241.3	121.3	120.01	2.011		
8,700.0	6,280.1	8,824.6	6,378.6	68.3	68.5	-114.15	-455.5	-2,320.6	241.2	116.0	125.12	1.928		
8,800.0	6,273.5	8,924.6	6,371.5	71.1	71.2	-114.06	-456.5	-2,420.4	241.0	110.7	130.24	1.850		
8,900.0	6,267.0	9,024.6	6,364.5	73.8	74.0	-113.96	-457.4	-2,520.1	240.8	105.4	135.37	1.779		
9,000.0	6,260.4	9,124.6	6,357.5	76.6	76.7	-113.87	-458.4	-2,619.9	240.6	100.1	140.52	1.712		
9,100.0	6,253.8	9,224.6	6,350.5	79.3	79.5	-113.77	-459.3	-2,719.6	240.5	94.8	145.68	1.650		
9,200.0	6,247.2	9,324.6	6,343.4	82.1	82.2	-113.68	-460.3	-2,819.4	240.3	89.4	150.86	1.593		
9,300.0	6,240.6	9,424.6	6,336.4	84.8	85.0	-113.58	-461.2	-2,919.1	240.1	84.0	156.05	1.539		
9,400.0	6,234.0	9,524.6	6,329.4	87.6	87.7	-113.49	-462.2	-3,018.9	239.9	78.7	161.25	1.488	Level 3	
9,500.0	6,227.4	9,624.6	6,322.3	90.3	90.5	-113.39	-463.1	-3,118.6	239.7	73.3	166.46	1.440	Level 3	
9,600.0	6,220.8	9,724.6	6,315.3	93.1	93.2	-113.30	-464.1	-3,218.4	239.6	67.9	171.68	1.395	Level 3	
9,700.0	6,214.2	9,824.6	6,308.3	95.9	96.0	-113.20	-465.0	-3,318.1	239.4	62.5	176.91	1.353	Level 3	
9,800.0	6,207.6	9,924.6	6,301.3	98.6	98.8	-113.10	-466.0	-3,417.8	239.2	57.1	182.15	1.313	Level 3	
9,900.0	6,201.0	10,024.6	6,294.2	101.4	101.5	-113.01	-466.9	-3,517.6	239.1	51.7	187.40	1.276	Level 3	
10,000.0	6,194.4	10,124.6	6,287.2	104.2	104.3	-112.91	-467.9	-3,617.3	238.9	46.2	192.66	1.240	Level 2	
10,100.0	6,187.8	10,224.6	6,280.2	106.9	107.1	-112.82	-468.8	-3,717.1	238.7	40.8	197.93	1.206	Level 2	
10,200.0	6,181.3	10,324.6	6,273.2	109.7	109.8	-112.72	-469.8	-3,816.8	238.5	35.3	203.21	1.174	Level 2	
10,300.0	6,174.7	10,424.6	6,266.1	112.5	112.6	-112.62	-470.7	-3,916.6	238.4	29.9	208.50	1.143	Level 2	
10,400.0	6,168.1	10,524.6	6,259.1	115.3	115.4	-112.53	-471.7	-4,016.3	238.2	24.4	213.79	1.114	Level 2	
10,500.0	6,161.5	10,624.6	6,252.1	118.0	118.1	-112.43	-472.6	-4,116.1	238.0	18.9	219.10	1.086	Level 2	
10,600.0	6,154.9	10,724.6	6,245.0	120.8	120.9	-112.33	-473.6	-4,215.8	237.9	13.5	224.41	1.060	Level 2	
10,700.0	6,148.3	10,824.6	6,238.0	123.6	123.7	-112.23	-474.6	-4,315.6	237.7	8.0	229.73	1.035	Level 2	
10,800.0	6,141.7	10,924.6	6,231.0	126.4	126.5	-112.14	-475.5	-4,415.3	237.5	2.5	235.05	1.011	Level 2	
10,900.0	6,135.1	11,024.6	6,224.0	129.1	129.2	-112.04	-476.5	-4,515.1	237.4	-3.0	240.39	0.987	Level 1	
10,921.3	6,133.7	11,045.3	6,222.5	129.7	129.8	-112.02	-476.7	-4,535.8	237.3	-4.2	241.51	0.983	Level 1	
10,924.3	6,133.5	11,045.3	6,222.5	129.8	129.8	-112.02	-476.7	-4,535.8	237.4	-4.2	241.59	0.982 Level 1, ES, SF		

<b>Company:</b>	Synergy Resources	<b>Local Co-ordinate Reference:</b>	Well SRC Cannon 24-16NHZ
<b>Project:</b>	SEC.16-T4N-R68W	<b>TVD Reference:</b>	WELL @ 4943.5ft (Ensign Rig #131 - RKB - 13.5')
<b>Reference Site:</b>	SRC Cannon Pad Sec.16-T4N-R68W	<b>MD Reference:</b>	WELL @ 4943.5ft (Ensign Rig #131 - RKB - 13.5')
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	SRC Cannon 24-16NHZ	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	Landmark
<b>Reference Design:</b>	Plan #2 (1-12-15)	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.0ft
Survey Program: 0-MWD													Offset Well Error:	0.0ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	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	0.00	45.0	0.0	45.0	45.0	0.00	N/A		
100.0	100.0	101.0	101.0	0.1	0.1	0.00	45.0	0.0	45.0	44.8	0.23	198.226		
200.0	200.0	201.0	201.0	0.3	0.3	0.00	45.0	0.0	45.0	44.3	0.68	66.514		
300.0	300.0	301.0	301.0	0.6	0.6	0.00	45.0	0.0	45.0	43.9	1.13	39.962		
400.0	400.0	401.0	401.0	0.8	0.8	0.00	45.0	0.0	45.0	43.4	1.58	28.560		
500.0	500.0	501.0	501.0	1.0	1.0	0.00	45.0	0.0	45.0	43.0	2.03	22.221		
600.0	600.0	601.0	601.0	1.2	1.2	0.00	45.0	0.0	45.0	42.5	2.47	18.184		
700.0	700.0	701.0	701.0	1.5	1.5	0.00	45.0	0.0	45.0	42.1	2.92	15.389		
800.0	800.0	801.0	801.0	1.7	1.7	0.00	45.0	0.0	45.0	41.6	3.37	13.338		
900.0	900.0	901.0	901.0	1.9	1.9	0.00	45.0	0.0	45.0	41.2	3.82	11.770		
1,000.0	1,000.0	1,001.0	1,001.0	2.1	2.1	0.00	45.0	0.0	45.0	40.7	4.27	10.532		
1,100.0	1,100.0	1,101.0	1,101.0	2.4	2.4	0.00	45.0	0.0	45.0	40.3	4.72	9.529		
1,200.0	1,200.0	1,201.0	1,201.0	2.6	2.6	0.00	45.0	0.0	45.0	39.8	5.17	8.701		
1,300.0	1,300.0	1,301.0	1,301.0	2.8	2.8	0.00	45.0	0.0	45.0	39.4	5.62	8.005		
1,366.3	1,366.3	1,367.3	1,367.3	3.0	3.0	0.00	45.0	0.0	45.0	39.1	5.92	7.602 CC		
1,400.0	1,400.0	1,401.0	1,401.0	3.0	3.0	0.00	45.0	0.0	45.0	38.9	6.07	7.412 ES		
1,500.0	1,500.0	1,500.0	1,500.0	3.2	3.3	-132.88	46.1	0.7	47.0	40.5	6.49	7.239		
1,600.0	1,599.9	1,598.7	1,598.6	3.4	3.5	-133.61	49.3	2.8	53.0	46.1	6.89	7.681		
1,700.0	1,699.7	1,697.0	1,696.7	3.6	3.7	-134.52	54.7	6.2	62.9	55.5	7.30	8.606		
1,800.0	1,799.3	1,794.6	1,793.9	3.8	3.9	-135.38	62.1	11.0	76.7	69.0	7.72	9.933		
1,892.2	1,890.8	1,883.7	1,882.4	4.0	4.1	-136.04	70.7	16.5	92.9	84.8	8.11	11.448		
1,900.0	1,898.6	1,891.2	1,889.9	4.0	4.2	-136.10	71.5	17.1	94.4	86.3	8.15	11.586		
2,000.0	1,997.7	1,987.4	1,985.1	4.3	4.4	-136.35	82.9	24.4	114.9	106.3	8.60	13.359		
2,100.0	2,096.9	2,085.1	2,081.7	4.5	4.7	-136.31	95.1	32.2	136.0	127.0	9.06	15.010		
2,200.0	2,196.1	2,182.9	2,178.4	4.8	4.9	-136.27	107.4	40.1	157.2	147.7	9.54	16.481		
2,300.0	2,295.3	2,280.6	2,275.0	5.1	5.2	-136.25	119.7	48.0	178.4	168.3	10.02	17.796		
2,400.0	2,394.4	2,378.3	2,371.7	5.3	5.5	-136.23	131.9	55.9	199.5	189.0	10.52	18.974		
2,500.0	2,493.6	2,476.1	2,468.3	5.6	5.8	-136.21	144.2	63.7	220.7	209.7	11.02	20.033		
2,600.0	2,592.8	2,573.8	2,564.9	5.9	6.1	-136.20	156.4	71.6	241.9	230.3	11.52	20.989		
2,700.0	2,691.9	2,671.5	2,661.6	6.2	6.4	-136.19	168.7	79.5	263.0	251.0	12.04	21.854		
2,800.0	2,791.1	2,769.3	2,758.2	6.5	6.7	-136.18	180.9	87.4	284.2	271.6	12.55	22.640		
2,900.0	2,890.3	2,867.0	2,854.9	6.8	7.0	-136.17	193.2	95.2	305.3	292.3	13.07	23.355		
3,000.0	2,989.5	2,964.7	2,951.5	7.1	7.3	-136.17	205.4	103.1	326.5	312.9	13.60	24.009		
3,100.0	3,088.6	3,062.5	3,048.2	7.4	7.7	-136.16	217.7	111.0	347.7	333.5	14.13	24.609		
3,200.0	3,187.8	3,160.2	3,144.8	7.7	8.0	-136.15	229.9	118.9	368.8	354.2	14.66	25.160		
3,300.0	3,287.0	3,257.9	3,241.4	8.1	8.3	-136.15	242.2	126.7	390.0	374.8	15.19	25.668		
3,400.0	3,386.1	3,355.7	3,338.1	8.4	8.6	-136.15	254.4	134.6	411.1	395.4	15.73	26.137		
3,500.0	3,485.3	3,453.4	3,434.7	8.7	9.0	-136.14	266.7	142.5	432.3	416.0	16.27	26.572		
3,600.0	3,584.5	3,551.1	3,531.4	9.0	9.3	-136.14	278.9	150.4	453.5	436.7	16.81	26.975		
3,700.0	3,683.7	3,648.9	3,628.0	9.3	9.6	-136.13	291.2	158.2	474.6	457.3	17.35	27.351		
3,800.0	3,782.8	3,746.6	3,724.7	9.6	10.0	-136.13	303.5	166.1	495.8	477.9	17.90	27.701		
3,826.6	3,809.2	3,772.6	3,750.3	9.7	10.0	-136.13	306.7	168.2	501.4	483.4	18.04	27.790		
3,900.0	3,882.1	3,844.5	3,821.4	9.9	10.3	-136.23	315.7	174.0	516.5	498.0	18.45	27.997		
4,000.0	3,981.6	3,942.6	3,918.5	10.2	10.6	-136.19	328.0	181.9	535.3	516.4	18.97	28.227		
4,100.0	4,081.4	4,041.1	4,015.8	10.4	11.0	-135.95	340.4	189.8	552.4	532.9	19.47	28.371		
4,200.0	4,181.3	4,139.8	4,113.4	10.6	11.3	-135.53	352.7	197.8	567.6	547.6	19.96	28.441		
4,300.0	4,281.2	4,238.6	4,211.1	10.8	11.6	-134.94	365.1	205.7	581.1	560.6	20.43	28.447		
4,318.8	4,300.0	4,257.1	4,229.5	10.8	11.7	-2.21	367.5	207.2	583.4	562.3	21.07	27.687		
4,400.0	4,381.2	4,349.1	4,320.6	10.9	11.9	-1.51	378.1	214.1	592.6	571.1	21.46	27.611		
4,500.0	4,481.2	4,463.4	4,434.1	11.1	12.2	-0.83	388.7	220.9	601.8	579.9	21.92	27.459		
4,600.0	4,581.2	4,578.3	4,548.7	11.3	12.5	-0.35	396.5	225.9	608.6	586.2	22.35	27.229		

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



<b>Company:</b>	Synergy Resources	<b>Local Co-ordinate Reference:</b>	Well SRC Cannon 24-16NHZ
<b>Project:</b>	SEC.16-T4N-R68W	<b>TVD Reference:</b>	WELL @ 4943.5ft (Ensign Rig #131 - RKB - 13.5')
<b>Reference Site:</b>	SRC Cannon Pad Sec.16-T4N-R68W	<b>MD Reference:</b>	WELL @ 4943.5ft (Ensign Rig #131 - RKB - 13.5')
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	SRC Cannon 24-16NHZ	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	Landmark
<b>Reference Design:</b>	Plan #2 (1-12-15)	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.0ft
Survey Program: 0-MWD													Offset Well Error:	0.0ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
4,700.0	4,681.2	4,693.6	4,663.9	11.5	12.7	-0.05	401.5	229.1	612.8	590.1	22.76	26.924		
4,800.0	4,781.2	4,809.3	4,779.5	11.6	12.9	0.07	403.5	230.4	614.6	591.4	23.15	26.548		
4,900.0	4,881.2	4,912.0	4,882.2	11.8	13.1	0.07	403.5	230.4	614.6	591.1	23.52	26.136		
5,000.0	4,981.2	5,012.0	4,982.2	12.0	13.2	0.07	403.5	230.4	614.6	590.7	23.89	25.722		
5,100.0	5,081.2	5,112.0	5,082.2	12.2	13.4	0.07	403.5	230.4	614.6	590.3	24.28	25.318		
5,200.0	5,181.2	5,212.0	5,182.2	12.4	13.6	0.07	403.5	230.4	614.6	589.9	24.66	24.925		
5,300.0	5,281.2	5,312.0	5,282.2	12.6	13.8	0.07	403.5	230.4	614.6	589.6	25.04	24.541		
5,400.0	5,381.2	5,412.0	5,382.2	12.8	14.0	0.07	403.5	230.4	614.6	589.2	25.43	24.167		
5,500.0	5,481.2	5,512.0	5,482.2	12.9	14.1	0.07	403.5	230.4	614.6	588.8	25.82	23.802		
5,600.0	5,581.2	5,612.0	5,582.2	13.1	14.3	0.07	403.5	230.4	614.6	588.4	26.21	23.446		
5,700.0	5,681.2	5,712.0	5,682.2	13.3	14.5	0.07	403.5	230.4	614.6	588.0	26.61	23.100		
5,787.0	5,768.3	5,799.0	5,769.3	13.5	14.7	0.07	403.5	230.4	614.6	587.7	26.95	22.805		
5,787.2	5,768.4	5,799.2	5,769.4	13.5	14.7	0.07	403.5	230.4	614.6	587.6	26.95	22.805		
5,800.0	5,781.2	5,812.1	5,782.3	13.5	14.7	90.62	403.5	230.2	614.6	588.1	26.46	23.225		
5,850.0	5,831.1	5,862.1	5,832.2	13.6	14.8	90.61	403.5	227.1	614.6	588.0	26.62	23.090		
5,900.0	5,880.6	5,912.2	5,881.7	13.7	14.8	90.59	403.5	220.1	614.7	588.0	26.74	22.986		
5,950.0	5,929.5	5,962.2	5,930.6	13.7	14.9	90.57	403.5	209.3	614.8	588.0	26.84	22.908		
6,000.0	5,977.3	6,012.2	5,978.4	13.7	14.9	90.55	403.5	194.6	614.9	588.0	26.92	22.847		
6,050.0	6,023.8	6,062.2	6,024.9	13.8	14.9	90.52	403.5	176.2	615.1	588.1	26.98	22.795		
6,100.0	6,068.8	6,112.3	6,069.8	13.8	14.9	90.49	403.5	154.3	615.3	588.3	27.06	22.739		
6,150.0	6,111.9	6,162.3	6,112.9	13.8	14.9	90.45	403.5	128.8	615.6	588.4	27.16	22.662		
6,200.0	6,152.9	6,212.2	6,153.8	13.8	14.9	90.42	403.5	100.1	615.8	588.5	27.31	22.547		
6,250.0	6,191.5	6,262.2	6,192.3	13.9	14.9	90.38	403.5	68.3	616.1	588.6	27.54	22.374		
6,300.0	6,227.5	6,312.2	6,228.2	13.9	14.9	90.34	403.5	33.6	616.5	588.6	27.86	22.125		
6,350.0	6,260.7	6,362.1	6,261.2	14.1	14.9	90.30	403.5	-3.9	616.8	588.5	28.32	21.784		
6,400.0	6,290.8	6,412.1	6,291.3	14.3	14.9	90.25	403.5	-43.8	617.2	588.3	28.92	21.342		
6,450.0	6,317.7	6,462.0	6,318.1	14.6	15.1	90.20	403.5	-85.9	617.6	587.9	29.69	20.799		
6,500.0	6,341.3	6,512.0	6,341.5	15.1	15.6	90.16	403.5	-130.0	618.0	587.4	30.65	20.163		
6,550.0	6,361.3	6,561.9	6,361.3	15.7	16.2	90.11	403.5	-175.8	618.5	586.7	31.80	19.451		
6,600.0	6,377.6	6,611.8	6,377.6	16.4	16.9	90.06	403.5	-223.0	618.9	585.8	33.12	18.687		
6,650.0	6,390.2	6,661.7	6,390.0	17.2	17.6	90.01	403.5	-271.3	619.4	584.8	34.62	17.893		
6,700.0	6,398.9	6,711.6	6,398.7	18.0	18.4	89.96	403.5	-320.4	619.9	583.6	36.26	17.095		
6,750.0	6,403.8	6,761.5	6,403.5	18.9	19.3	89.91	403.5	-370.1	620.3	582.3	38.03	16.312		
6,800.0	6,404.7	6,811.4	6,404.4	19.8	20.3	89.86	403.5	-419.9	620.8	580.9	39.90	15.560		
6,829.0	6,403.5	6,840.4	6,403.4	20.4	20.8	89.86	403.5	-448.9	621.1	580.0	41.04	15.135		
6,900.0	6,398.8	6,911.4	6,400.9	21.9	22.3	90.07	403.5	-519.8	621.8	577.8	43.92	14.158		
7,000.0	6,392.2	7,011.3	6,397.5	24.1	24.4	90.36	403.5	-619.7	622.7	574.5	48.24	12.909		
7,100.0	6,385.6	7,111.2	6,394.0	26.3	26.7	90.64	403.5	-719.6	623.7	570.9	52.80	11.813		
7,200.0	6,379.0	7,211.2	6,390.5	28.7	29.1	90.93	403.5	-819.5	624.7	567.2	57.54	10.856		
7,300.0	6,372.4	7,311.1	6,387.1	31.2	31.5	91.21	403.5	-919.4	625.7	563.3	62.43	10.023		
7,400.0	6,365.8	7,411.1	6,383.6	33.7	34.0	91.50	403.5	-1,019.3	626.8	559.3	67.42	9.297		
7,500.0	6,359.3	7,511.0	6,380.1	36.2	36.5	91.78	403.5	-1,119.1	627.8	555.3	72.49	8.660		
7,600.0	6,352.7	7,611.0	6,376.7	38.8	39.1	92.06	403.5	-1,219.0	628.9	551.2	77.63	8.100		
7,700.0	6,346.1	7,710.9	6,373.2	41.4	41.7	92.34	403.5	-1,318.9	629.9	547.1	82.83	7.605		
7,800.0	6,339.5	7,810.9	6,369.7	44.1	44.3	92.62	403.5	-1,418.8	631.0	542.9	88.07	7.165		
7,900.0	6,332.9	7,910.8	6,366.2	46.7	47.0	92.90	403.5	-1,518.7	632.1	538.8	93.34	6.772		
8,000.0	6,326.3	8,010.8	6,362.8	49.4	49.6	93.18	403.5	-1,618.6	633.2	534.6	98.65	6.419		
8,100.0	6,319.7	8,110.7	6,359.3	52.1	52.3	93.45	403.5	-1,718.5	634.4	530.4	103.97	6.101		
8,200.0	6,313.1	8,210.7	6,355.8	54.8	55.0	93.73	403.5	-1,818.4	635.5	526.2	109.32	5.814		
8,300.0	6,306.5	8,310.6	6,352.4	57.5	57.7	94.00	403.5	-1,918.2	636.7	522.0	114.68	5.552		

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

<b>Company:</b>	Synergy Resources	<b>Local Co-ordinate Reference:</b>	Well SRC Cannon 24-16NHZ
<b>Project:</b>	SEC.16-T4N-R68W	<b>TVD Reference:</b>	WELL @ 4943.5ft (Ensign Rig #131 - RKB - 13.5')
<b>Reference Site:</b>	SRC Cannon Pad Sec.16-T4N-R68W	<b>MD Reference:</b>	WELL @ 4943.5ft (Ensign Rig #131 - RKB - 13.5')
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	SRC Cannon 24-16NHZ	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	Landmark
<b>Reference Design:</b>	Plan #2 (1-12-15)	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design		SRC Cannon Pad Sec.16-T4N-R68W - SRC Cannon H-16CHZ - Wellbore #1 - Plan #2 (1-12-15)										Offset Site Error:		0.0 ft
Survey Program: 0-MWD												Offset Well Error:		0.0 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset	Highside Toolface	Offset Wellbore Centre		Between Centres	Between Ellipses	Minimum Separation	Separation Factor		
(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(°)	+N/-S (ft)	+E/-W (ft)	(ft)	(ft)	(ft)			
8,400.0	6,299.9	8,410.6	6,348.9		60.2	94.28	403.5	-2,018.1	637.9	517.8	120.05	5.313		
8,500.0	6,293.3	8,510.5	6,345.4		62.9	94.55	403.5	-2,118.0	639.1	513.6	125.43	5.095		
8,600.0	6,286.7	8,610.4	6,341.9		65.6	94.82	403.5	-2,217.9	640.3	509.5	130.81	4.894		
8,700.0	6,280.1	8,710.4	6,338.5		68.3	95.09	403.5	-2,317.8	641.5	505.3	136.21	4.710		
8,800.0	6,273.5	8,810.3	6,335.0		71.1	95.36	403.5	-2,417.7	642.7	501.1	141.60	4.539		
8,900.0	6,267.0	8,910.3	6,331.5		73.8	95.63	403.5	-2,517.6	644.0	497.0	147.00	4.381		
9,000.0	6,260.4	9,010.2	6,328.1		76.6	95.90	403.5	-2,617.4	645.2	492.8	152.40	4.234		
9,100.0	6,253.8	9,110.2	6,324.6		79.3	96.16	403.5	-2,717.3	646.5	488.7	157.80	4.097		
9,200.0	6,247.2	9,210.1	6,321.1		82.1	96.43	403.5	-2,817.2	647.8	484.6	163.19	3.970		
9,300.0	6,240.6	9,310.1	6,317.6		84.8	96.69	403.5	-2,917.1	649.1	480.5	168.59	3.850		
9,400.0	6,234.0	9,410.0	6,314.2		87.6	96.96	403.5	-3,017.0	650.4	476.5	173.98	3.739		
9,500.0	6,227.4	9,510.0	6,310.7		90.3	97.22	403.5	-3,116.9	651.8	472.4	179.37	3.634		
9,600.0	6,220.8	9,609.9	6,307.2		93.1	97.48	403.5	-3,216.8	653.1	468.4	184.75	3.535		
9,700.0	6,214.2	9,709.9	6,303.8		95.9	97.74	403.5	-3,316.6	654.5	464.4	190.13	3.442		
9,800.0	6,207.6	9,809.8	6,300.3		98.6	98.00	403.5	-3,416.5	655.9	460.4	195.50	3.355		
9,900.0	6,201.0	9,909.8	6,296.8		101.4	98.26	403.5	-3,516.4	657.2	456.4	200.86	3.272		
10,000.0	6,194.4	10,009.7	6,293.4		104.2	98.52	403.5	-3,616.3	658.6	452.4	206.22	3.194		
10,100.0	6,187.8	10,109.6	6,289.9		106.9	98.77	403.5	-3,716.2	660.1	448.5	211.57	3.120		
10,200.0	6,181.3	10,209.6	6,286.4		109.7	99.03	403.5	-3,816.1	661.5	444.6	216.92	3.049		
10,300.0	6,174.7	10,309.5	6,282.9		112.5	99.28	403.5	-3,916.0	662.9	440.7	222.25	2.983		
10,400.0	6,168.1	10,409.5	6,279.5		115.3	99.53	403.5	-4,015.9	664.4	436.8	227.58	2.919		
10,500.0	6,161.5	10,509.4	6,276.0		118.0	99.78	403.5	-4,115.7	665.8	432.9	232.90	2.859		
10,600.0	6,154.9	10,609.4	6,272.5		120.8	100.03	403.5	-4,215.6	667.3	429.1	238.21	2.801		
10,700.0	6,148.3	10,709.3	6,269.1		123.6	100.28	403.5	-4,315.5	668.8	425.3	243.51	2.747		
10,800.0	6,141.7	10,809.3	6,265.6		126.4	100.53	403.5	-4,415.4	670.3	421.5	248.80	2.694		
10,900.0	6,135.1	10,909.2	6,262.1		129.1	100.78	403.5	-4,515.3	671.8	417.8	254.08	2.644		
10,924.3	6,133.5	10,927.1	6,261.5		129.8	100.82	403.5	-4,533.1	672.2	417.0	255.19	2.634 SF		



<b>Company:</b>	Synergy Resources	<b>Local Co-ordinate Reference:</b>	Well SRC Cannon 24-16NHZ
<b>Project:</b>	SEC.16-T4N-R68W	<b>TVD Reference:</b>	WELL @ 4943.5ft (Ensign Rig #131 - RKB - 13.5')
<b>Reference Site:</b>	SRC Cannon Pad Sec.16-T4N-R68W	<b>MD Reference:</b>	WELL @ 4943.5ft (Ensign Rig #131 - RKB - 13.5')
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	SRC Cannon 24-16NHZ	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	Landmark
<b>Reference Design:</b>	Plan #2 (1-12-15)	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.0ft
Survey Program: 0-MWD													Offset Well Error:	0.0ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	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	2.0	2.0	0.0	0.0	0.00	60.0	0.0	60.0	60.0	0.00	N/A		
100.0	100.0	102.0	102.0	0.1	0.1	0.00	60.0	0.0	60.0	59.8	0.23	261.710		
200.0	200.0	202.0	202.0	0.3	0.3	0.00	60.0	0.0	60.0	59.3	0.68	88.392		
300.0	300.0	302.0	302.0	0.6	0.6	0.00	60.0	0.0	60.0	58.9	1.13	53.176		
400.0	400.0	402.0	402.0	0.8	0.8	0.00	60.0	0.0	60.0	58.4	1.58	38.026		
500.0	500.0	502.0	502.0	1.0	1.0	0.00	60.0	0.0	60.0	58.0	2.03	29.595		
600.0	600.0	602.0	602.0	1.2	1.2	0.00	60.0	0.0	60.0	57.5	2.48	24.224		
700.0	700.0	702.0	702.0	1.5	1.5	0.00	60.0	0.0	60.0	57.1	2.93	20.503		
800.0	800.0	802.0	802.0	1.7	1.7	0.00	60.0	0.0	60.0	56.6	3.38	17.773		
900.0	900.0	902.0	902.0	1.9	1.9	0.00	60.0	0.0	60.0	56.2	3.83	15.684		
966.0	966.0	968.0	968.0	2.1	2.1	0.00	60.0	0.0	60.0	55.9	4.12	14.556 CC		
1,000.0	1,000.0	1,002.0	1,002.0	2.1	2.1	0.00	60.0	0.0	60.0	55.7	4.27	14.035 ES		
1,100.0	1,100.0	1,100.0	1,100.0	2.4	2.4	0.47	61.2	0.5	61.2	56.5	4.72	12.978		
1,200.0	1,200.0	1,198.9	1,198.8	2.6	2.6	1.75	64.8	2.0	64.9	59.7	5.17	12.564		
1,300.0	1,300.0	1,297.1	1,296.8	2.8	2.8	3.58	70.7	4.4	71.0	65.4	5.61	12.654		
1,400.0	1,400.0	1,394.8	1,394.1	3.0	3.0	5.66	78.8	7.8	79.6	73.6	6.06	13.140		
1,500.0	1,500.0	1,492.0	1,490.7	3.2	3.3	-125.38	89.2	12.1	91.5	85.0	6.49	14.098		
1,600.0	1,599.9	1,588.3	1,586.0	3.4	3.5	-124.90	101.8	17.3	107.4	100.5	6.90	15.557		
1,700.0	1,699.7	1,684.9	1,681.3	3.6	3.8	-125.17	116.3	23.4	126.8	119.5	7.32	17.321		
1,800.0	1,799.3	1,782.6	1,777.6	3.8	4.1	-126.09	131.4	29.6	148.1	140.4	7.75	19.113		
1,892.2	1,890.8	1,872.2	1,866.0	4.0	4.4	-127.29	145.2	35.3	169.2	161.1	8.16	20.745		
1,900.0	1,898.6	1,879.8	1,873.5	4.0	4.4	-127.43	146.4	35.8	171.1	162.9	8.19	20.880		
2,000.0	1,997.7	1,976.9	1,969.2	4.3	4.7	-128.91	161.3	42.0	194.8	186.1	8.66	22.501		
2,100.0	2,096.9	2,073.9	2,064.8	4.5	5.0	-130.07	176.3	48.2	218.5	209.4	9.13	23.940		
2,200.0	2,196.1	2,171.0	2,160.5	4.8	5.4	-131.00	191.3	54.4	242.4	232.8	9.61	25.219		
2,300.0	2,295.3	2,268.0	2,256.2	5.1	5.7	-131.77	206.2	60.6	266.3	256.2	10.10	26.360		
2,400.0	2,394.4	2,365.0	2,351.9	5.3	6.0	-132.41	221.2	66.8	290.3	279.7	10.60	27.380		
2,500.0	2,493.6	2,462.1	2,447.6	5.6	6.4	-132.95	236.1	73.0	314.2	303.1	11.10	28.296		
2,600.0	2,592.8	2,559.1	2,543.2	5.9	6.7	-133.42	251.1	79.3	338.2	326.6	11.61	29.122		
2,700.0	2,691.9	2,656.2	2,638.9	6.2	7.1	-133.82	266.1	85.5	362.2	350.1	12.13	29.869		
2,800.0	2,791.1	2,753.2	2,734.6	6.5	7.4	-134.18	281.0	91.7	386.3	373.6	12.65	30.547		
2,900.0	2,890.3	2,850.3	2,830.3	6.8	7.8	-134.49	296.0	97.9	410.3	397.1	13.17	31.164		
3,000.0	2,989.5	2,947.3	2,926.0	7.1	8.1	-134.77	310.9	104.1	434.4	420.7	13.69	31.728		
3,100.0	3,088.6	3,044.4	3,021.7	7.4	8.5	-135.01	325.9	110.3	458.4	444.2	14.22	32.245		
3,200.0	3,187.8	3,141.4	3,117.3	7.7	8.8	-135.24	340.9	116.5	482.5	467.7	14.75	32.720		
3,300.0	3,287.0	3,238.4	3,213.0	8.1	9.2	-135.44	355.8	122.7	506.6	491.3	15.28	33.158		
3,400.0	3,386.1	3,335.5	3,308.7	8.4	9.5	-135.63	370.8	128.9	530.6	514.8	15.81	33.563		
3,500.0	3,485.3	3,432.5	3,404.4	8.7	9.9	-135.79	385.7	135.1	554.7	538.4	16.35	33.938		
3,600.0	3,584.5	3,529.6	3,500.1	9.0	10.3	-135.95	400.7	141.3	578.8	561.9	16.88	34.286		
3,700.0	3,683.7	3,626.6	3,595.8	9.3	10.6	-136.09	415.7	147.5	602.9	585.5	17.42	34.610		
3,800.0	3,782.8	3,723.7	3,691.4	9.6	11.0	-136.22	430.6	153.7	627.0	609.0	17.96	34.913		
3,826.6	3,809.2	3,749.4	3,716.9	9.7	11.1	-136.25	434.6	155.3	633.4	615.3	18.10	34.989		
3,900.0	3,882.1	3,820.8	3,787.3	9.9	11.3	-136.48	445.6	159.9	650.6	632.1	18.51	35.152		
4,000.0	3,981.6	3,918.4	3,883.5	10.2	11.7	-136.63	460.6	166.1	672.4	653.4	19.03	35.337		
4,100.0	4,081.4	4,016.4	3,980.0	10.4	12.1	-136.61	475.7	172.4	692.4	672.8	19.53	35.446		
4,200.0	4,181.3	4,114.6	4,076.9	10.6	12.4	-136.44	490.9	178.7	710.5	690.5	20.02	35.488		
4,300.0	4,281.2	4,213.1	4,174.0	10.8	12.8	-136.12	506.1	185.0	726.8	706.3	20.49	35.472		
4,318.8	4,300.0	4,231.6	4,192.2	10.8	12.9	-3.45	508.9	186.2	729.6	707.2	22.40	32.571		
4,400.0	4,381.2	4,311.7	4,271.2	10.9	13.2	-2.99	521.3	191.3	741.9	719.0	22.84	32.482		
4,500.0	4,481.2	4,410.3	4,368.4	11.1	13.5	-2.45	536.5	197.6	757.0	733.6	23.38	32.376		
4,600.0	4,581.2	4,508.9	4,465.6	11.3	13.9	-1.93	551.7	203.9	772.2	748.3	23.93	32.273		

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

<b>Company:</b>	Synergy Resources	<b>Local Co-ordinate Reference:</b>	Well SRC Cannon 24-16NHZ
<b>Project:</b>	SEC.16-T4N-R68W	<b>TVD Reference:</b>	WELL @ 4943.5ft (Ensign Rig #131 - RKB - 13.5')
<b>Reference Site:</b>	SRC Cannon Pad Sec.16-T4N-R68W	<b>MD Reference:</b>	WELL @ 4943.5ft (Ensign Rig #131 - RKB - 13.5')
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	SRC Cannon 24-16NHZ	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	Landmark
<b>Reference Design:</b>	Plan #2 (1-12-15)	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design		SRC Cannon Pad Sec.16-T4N-R68W - SRC Cannon H-16NHZ - Wellbore #1 - Plan #2 (1-12-15)											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		Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor			
							+N/-S (ft)	+E/-W (ft)							
4,700.0	4,681.2	4,607.5	4,562.9	11.5	14.3	-1.43	566.9	210.2	787.5	763.0	24.48	32.174			
4,800.0	4,781.2	4,729.7	4,683.7	11.6	14.7	-0.89	583.9	217.3	801.3	776.3	25.04	32.005			
4,900.0	4,881.2	4,853.0	4,806.1	11.8	15.0	-0.47	597.5	222.9	812.3	786.8	25.54	31.807			
5,000.0	4,981.2	4,977.0	4,929.7	12.0	15.2	-0.18	607.5	227.0	820.3	794.3	26.01	31.544			
5,100.0	5,081.2	5,101.7	5,054.1	12.2	15.5	0.00	613.7	229.6	825.3	798.9	26.44	31.219			
5,200.0	5,181.2	5,226.6	5,179.0	12.4	15.7	0.07	616.2	230.7	827.4	800.5	26.83	30.838			
5,300.0	5,281.2	5,330.8	5,283.2	12.6	15.8	0.08	616.3	230.7	827.4	800.2	27.18	30.437			
5,400.0	5,381.2	5,430.8	5,383.2	12.8	16.0	0.08	616.3	230.7	827.4	799.9	27.54	30.039			
5,500.0	5,481.2	5,530.8	5,483.2	12.9	16.1	0.08	616.3	230.7	827.4	799.5	27.91	29.649			
5,600.0	5,581.2	5,630.8	5,583.2	13.1	16.3	0.08	616.3	230.7	827.4	799.1	28.27	29.267			
5,700.0	5,681.2	5,730.8	5,683.2	13.3	16.5	0.08	616.3	230.7	827.4	798.8	28.64	28.892			
5,787.0	5,768.3	5,817.8	5,770.3	13.5	16.6	0.08	616.3	230.7	827.4	798.4	28.96	28.571			
5,800.0	5,781.2	5,830.8	5,783.2	13.5	16.6	90.63	616.3	230.7	827.4	800.6	26.79	30.884			
5,850.0	5,831.1	5,880.9	5,833.2	13.6	16.7	90.66	616.3	228.2	827.4	800.5	26.95	30.707			
5,900.0	5,880.6	5,930.9	5,882.8	13.7	16.7	90.69	616.3	221.8	827.5	800.4	27.07	30.570			
5,950.0	5,929.5	5,981.0	5,931.8	13.7	16.8	90.71	616.3	211.5	827.6	800.5	27.16	30.468			
6,000.0	5,977.3	6,031.1	5,979.9	13.7	16.8	90.73	616.3	197.3	827.8	800.6	27.24	30.389			
6,050.0	6,023.8	6,081.3	6,026.8	13.8	16.8	90.74	616.4	179.5	828.0	800.7	27.31	30.323			
6,100.0	6,068.8	6,131.5	6,072.1	13.8	16.8	90.75	616.4	157.9	828.2	800.9	27.38	30.252			
6,150.0	6,111.9	6,181.8	6,115.6	13.8	16.8	90.76	616.4	132.9	828.5	801.0	27.47	30.156			
6,200.0	6,152.9	6,232.0	6,157.1	13.8	16.8	90.76	616.5	104.4	828.8	801.2	27.62	30.011			
6,250.0	6,191.5	6,282.3	6,196.2	13.9	16.8	90.75	616.5	72.8	829.2	801.4	27.83	29.793			
6,300.0	6,227.5	6,332.7	6,232.7	13.9	16.8	90.74	616.6	38.2	829.6	801.4	28.14	29.476			
6,350.0	6,260.7	6,383.0	6,266.4	14.1	16.8	90.73	616.6	0.7	830.0	801.4	28.58	29.038			
6,400.0	6,290.8	6,433.4	6,297.0	14.3	16.9	90.71	616.7	-39.3	830.4	801.2	29.17	28.468			
6,450.0	6,317.7	6,483.8	6,324.4	14.6	16.9	90.69	616.8	-81.6	830.9	801.0	29.93	27.763			
6,500.0	6,341.3	6,534.3	6,348.3	15.1	17.0	90.66	616.8	-125.9	831.4	800.5	30.87	26.934			
6,550.0	6,361.3	6,584.7	6,368.7	15.7	17.3	90.63	616.9	-172.1	831.9	799.9	31.99	26.001			
6,600.0	6,377.6	6,635.2	6,385.3	16.4	17.7	90.60	617.0	-219.7	832.4	799.1	33.30	24.994			
6,650.0	6,390.2	6,685.7	6,398.2	17.2	18.3	90.56	617.0	-268.5	832.9	798.1	34.79	23.944			
6,700.0	6,398.9	6,736.1	6,407.1	18.0	19.1	90.51	617.1	-318.2	833.5	797.1	36.42	22.885			
6,750.0	6,403.8	6,786.6	6,412.1	18.9	19.9	90.47	617.2	-368.4	834.0	795.8	38.18	21.843			
6,800.0	6,404.7	6,837.1	6,413.0	19.8	20.8	90.42	617.2	-418.9	834.6	794.5	40.05	20.838			
6,829.0	6,403.5	6,866.4	6,411.8	20.4	21.4	90.39	617.3	-448.2	834.9	793.7	41.17	20.279			
6,900.0	6,398.8	6,937.4	6,407.2	21.9	22.8	90.39	617.4	-519.0	835.7	791.6	44.05	18.971			
7,000.0	6,392.2	7,037.4	6,400.6	24.1	24.9	90.40	617.5	-618.8	836.8	788.4	48.35	17.308			
7,100.0	6,385.6	7,137.4	6,394.1	26.3	27.1	90.41	617.7	-718.6	837.9	785.0	52.88	15.843			
7,200.0	6,379.0	7,237.4	6,387.6	28.7	29.4	90.41	617.8	-818.3	839.0	781.4	57.61	14.563			
7,300.0	6,372.4	7,337.4	6,381.1	31.2	31.8	90.42	618.0	-918.1	840.1	777.6	62.48	13.445			
7,400.0	6,365.8	7,437.4	6,374.6	33.7	34.3	90.42	618.1	-1,017.9	841.2	773.7	67.46	12.468			
7,500.0	6,359.3	7,537.4	6,368.1	36.2	36.8	90.43	618.3	-1,117.7	842.3	769.7	72.54	11.612			
7,600.0	6,352.7	7,637.4	6,361.6	38.8	39.3	90.43	618.4	-1,217.5	843.4	765.7	77.68	10.857			
7,700.0	6,346.1	7,737.4	6,355.1	41.4	41.9	90.44	618.5	-1,317.3	844.5	761.6	82.88	10.188			
7,800.0	6,339.5	7,837.4	6,348.6	44.1	44.5	90.44	618.7	-1,417.0	845.5	757.4	88.13	9.594			
7,900.0	6,332.9	7,937.4	6,342.1	46.7	47.1	90.45	618.8	-1,516.8	846.6	753.2	93.43	9.062			
8,000.0	6,326.3	8,037.3	6,335.6	49.4	49.8	90.45	619.0	-1,616.6	847.7	749.0	98.75	8.585			
8,100.0	6,319.7	8,137.3	6,329.1	52.1	52.4	90.46	619.1	-1,716.4	848.8	744.7	104.11	8.154			
8,200.0	6,313.1	8,237.3	6,322.6	54.8	55.1	90.46	619.3	-1,816.2	849.9	740.5	109.48	7.763			
8,300.0	6,306.5	8,337.3	6,316.1	57.5	57.8	90.47	619.4	-1,915.9	851.0	736.2	114.88	7.408			
8,400.0	6,299.9	8,437.3	6,309.6	60.2	60.5	90.47	619.5	-2,015.7	852.1	731.8	120.30	7.084			

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

<b>Company:</b>	Synergy Resources	<b>Local Co-ordinate Reference:</b>	Well SRC Cannon 24-16NHZ
<b>Project:</b>	SEC.16-T4N-R68W	<b>TVD Reference:</b>	WELL @ 4943.5ft (Ensign Rig #131 - RKB - 13.5')
<b>Reference Site:</b>	SRC Cannon Pad Sec.16-T4N-R68W	<b>MD Reference:</b>	WELL @ 4943.5ft (Ensign Rig #131 - RKB - 13.5')
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	SRC Cannon 24-16NHZ	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	Landmark
<b>Reference Design:</b>	Plan #2 (1-12-15)	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design		SRC Cannon Pad Sec.16-T4N-R68W - SRC Cannon H-16NHZ - Wellbore #1 - Plan #2 (1-12-15)										Offset Site Error:		0.0 ft		
Survey Program: 0-MWD														Offset Well Error:		0.0 ft
Reference		Offset		Semi Major Axis			Distance							Warning		
Measured Depth	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset	Highside Toolface	Offset Wellbore Centre		Between Centres	Between Ellipses	Minimum Separation	Separation Factor				
(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(°)	+N/-S (ft)	+E/-W (ft)	(ft)	(ft)	(ft)					
8,500.0	6,293.3	8,537.3	6,303.1	62.9	63.2	90.48	619.7	-2,115.5	853.2	727.5	125.73	6.786				
8,600.0	6,286.7	8,637.3	6,296.6	65.6	65.9	90.48	619.8	-2,215.3	854.3	723.2	131.18	6.513				
8,700.0	6,280.1	8,737.3	6,290.1	68.3	68.6	90.49	620.0	-2,315.1	855.4	718.8	136.64	6.261				
8,800.0	6,273.5	8,837.3	6,283.6	71.1	71.3	90.50	620.1	-2,414.9	856.5	714.4	142.11	6.027				
8,900.0	6,267.0	8,937.3	6,277.1	73.8	74.1	90.50	620.3	-2,514.6	857.6	710.0	147.58	5.811				
9,000.0	6,260.4	9,037.3	6,270.5	76.6	76.8	90.51	620.4	-2,614.4	858.7	705.7	153.07	5.610				
9,100.0	6,253.8	9,137.3	6,264.0	79.3	79.6	90.51	620.6	-2,714.2	859.8	701.3	158.57	5.422				
9,200.0	6,247.2	9,237.3	6,257.5	82.1	82.3	90.52	620.7	-2,814.0	860.9	696.9	164.07	5.247				
9,300.0	6,240.6	9,337.3	6,251.0	84.8	85.0	90.52	620.8	-2,913.8	862.0	692.4	169.58	5.083				
9,400.0	6,234.0	9,437.3	6,244.5	87.6	87.8	90.53	621.0	-3,013.5	863.1	688.0	175.09	4.930				
9,500.0	6,227.4	9,537.3	6,238.0	90.3	90.5	90.53	621.1	-3,113.3	864.2	683.6	180.61	4.785				
9,600.0	6,220.8	9,637.2	6,231.5	93.1	93.3	90.54	621.3	-3,213.1	865.3	679.2	186.13	4.649				
9,700.0	6,214.2	9,737.2	6,225.0	95.9	96.1	90.54	621.4	-3,312.9	866.4	674.8	191.66	4.521				
9,800.0	6,207.6	9,837.2	6,218.5	98.6	98.8	90.55	621.6	-3,412.7	867.5	670.3	197.19	4.399				
9,900.0	6,201.0	9,937.2	6,212.0	101.4	101.6	90.55	621.7	-3,512.5	868.6	665.9	202.72	4.285				
10,000.0	6,194.4	10,037.2	6,205.5	104.2	104.4	90.56	621.9	-3,612.2	869.7	661.4	208.26	4.176				
10,100.0	6,187.8	10,137.2	6,199.0	106.9	107.1	90.56	622.0	-3,712.0	870.8	657.0	213.80	4.073				
10,200.0	6,181.3	10,237.2	6,192.5	109.7	109.9	90.57	622.1	-3,811.8	871.9	652.6	219.35	3.975				
10,300.0	6,174.7	10,337.2	6,186.0	112.5	112.7	90.57	622.3	-3,911.6	873.0	648.1	224.89	3.882				
10,400.0	6,168.1	10,437.2	6,179.5	115.3	115.4	90.58	622.4	-4,011.4	874.1	643.7	230.44	3.793				
10,500.0	6,161.5	10,537.2	6,173.0	118.0	118.2	90.58	622.6	-4,111.1	875.2	639.2	235.99	3.709				
10,600.0	6,154.9	10,637.2	6,166.5	120.8	121.0	90.59	622.7	-4,210.9	876.3	634.7	241.55	3.628				
10,700.0	6,148.3	10,737.2	6,160.0	123.6	123.8	90.59	622.9	-4,310.7	877.4	630.3	247.10	3.551				
10,800.0	6,141.7	10,837.2	6,153.5	126.4	126.5	90.60	623.0	-4,410.5	878.5	625.8	252.66	3.477				
10,900.0	6,135.1	10,937.2	6,146.9	129.1	128.9	90.60	623.2	-4,510.3	879.6	621.7	257.85	3.411				
10,924.3	6,133.5	10,959.4	6,145.5	129.8	129.3	90.60	623.2	-4,532.5	879.9	620.9	258.93	3.398 SF				

<b>Company:</b>	Synergy Resources	<b>Local Co-ordinate Reference:</b>	Well SRC Cannon 24-16NHZ
<b>Project:</b>	SEC.16-T4N-R68W	<b>TVD Reference:</b>	WELL @ 4943.5ft (Ensign Rig #131 - RKB - 13.5')
<b>Reference Site:</b>	SRC Cannon Pad Sec.16-T4N-R68W	<b>MD Reference:</b>	WELL @ 4943.5ft (Ensign Rig #131 - RKB - 13.5')
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	SRC Cannon 24-16NHZ	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	Landmark
<b>Reference Design:</b>	Plan #2 (1-12-15)	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.0 ft
Survey Program: 0-MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.0	0.0	3.0	3.0	0.0	0.0	0.15	105.0	0.3	105.0	105.0	0.00	N/A		
100.0	100.0	103.0	103.0	0.1	0.1	0.15	105.0	0.3	105.0	104.8	0.23	453.548		
165.6	165.6	168.6	168.6	0.3	0.3	0.15	105.0	0.3	105.0	104.5	0.53	199.407 CC		
200.0	200.0	202.9	202.9	0.3	0.3	0.15	105.0	0.3	105.0	104.3	0.68	154.216 ES		
300.0	300.0	300.0	300.0	0.6	0.6	0.29	106.3	0.5	106.3	105.2	1.12	94.561		
400.0	400.0	397.5	397.4	0.8	0.8	0.67	110.0	1.3	110.2	108.6	1.57	70.020		
500.0	500.0	494.5	494.2	1.0	1.0	1.24	116.1	2.5	116.5	114.5	2.03	57.509		
600.0	600.0	591.0	590.4	1.2	1.3	1.94	124.6	4.2	125.3	122.8	2.48	50.433		
700.0	700.0	687.1	685.8	1.5	1.5	2.70	135.4	6.4	136.6	133.7	2.95	46.261		
800.0	800.0	782.6	780.4	1.7	1.8	3.48	148.5	9.0	150.5	147.0	3.44	43.793		
900.0	900.0	877.4	873.8	1.9	2.1	4.22	163.7	12.1	166.7	162.8	3.93	42.393		
1,000.0	1,000.0	971.3	966.0	2.1	2.5	4.92	181.1	15.6	185.5	181.0	4.45	41.693		
1,100.0	1,100.0	1,064.2	1,056.9	2.4	2.9	5.55	200.4	19.5	206.6	201.6	4.98	41.463 SF		
1,200.0	1,200.0	1,156.2	1,146.2	2.6	3.3	6.11	221.7	23.8	230.1	224.6	5.54	41.557		
1,300.0	1,300.0	1,247.0	1,233.9	2.8	3.7	6.62	244.8	28.4	255.9	249.8	6.11	41.890		
1,400.0	1,400.0	1,342.8	1,326.1	3.0	4.2	7.07	270.4	33.5	283.1	276.4	6.72	42.128		
1,500.0	1,500.0	1,438.8	1,418.5	3.2	4.7	-125.00	296.0	38.7	311.0	304.3	6.65	46.743		
1,600.0	1,599.9	1,534.4	1,510.5	3.4	5.2	-124.85	321.5	43.8	340.3	333.2	7.09	48.018		
1,700.0	1,699.7	1,629.5	1,602.0	3.6	5.7	-125.00	346.9	48.9	371.1	363.6	7.53	49.297		
1,800.0	1,799.3	1,724.0	1,692.9	3.8	6.2	-125.36	372.2	54.0	403.3	395.4	7.98	50.572		
1,892.2	1,890.8	1,810.6	1,776.2	4.0	6.7	-125.83	395.3	58.7	434.4	426.0	8.40	51.735		
1,900.0	1,898.6	1,817.9	1,783.3	4.0	6.7	-125.91	397.2	59.0	437.1	428.7	8.43	51.824		
2,000.0	1,997.7	1,911.5	1,873.3	4.3	7.2	-126.85	422.2	64.1	471.6	462.7	8.92	52.863		
2,100.0	2,096.9	2,005.1	1,963.4	4.5	7.8	-127.65	447.2	69.1	506.2	496.8	9.42	53.741		
2,200.0	2,196.1	2,098.7	2,053.5	4.8	8.3	-128.35	472.2	74.1	540.8	530.9	9.93	54.487		
2,300.0	2,295.3	2,192.3	2,143.5	5.1	8.8	-128.97	497.2	79.1	575.5	565.1	10.44	55.124		
2,400.0	2,394.4	2,285.9	2,233.6	5.3	9.3	-129.52	522.2	84.2	610.3	599.4	10.96	55.674		
2,500.0	2,493.6	2,379.6	2,323.7	5.6	9.8	-130.01	547.2	89.2	645.1	633.6	11.49	56.149		
2,600.0	2,592.8	2,473.2	2,413.8	5.9	10.3	-130.45	572.2	94.2	680.0	668.0	12.02	56.563		
2,700.0	2,691.9	2,566.8	2,503.8	6.2	10.8	-130.85	597.2	99.3	714.9	702.3	12.56	56.926		
2,800.0	2,791.1	2,660.4	2,593.9	6.5	11.3	-131.21	622.2	104.3	749.8	736.7	13.10	57.245		
2,900.0	2,890.3	2,754.0	2,684.0	6.8	11.8	-131.53	647.2	109.3	784.7	771.1	13.64	57.528		
3,000.0	2,989.5	2,847.6	2,774.0	7.1	12.4	-131.83	672.1	114.3	819.7	805.5	14.19	57.778		
3,100.0	3,088.6	2,941.2	2,864.1	7.4	12.9	-132.11	697.1	119.4	854.7	839.9	14.73	58.002		
3,200.0	3,187.8	3,034.8	2,954.2	7.7	13.4	-132.36	722.1	124.4	889.6	874.4	15.29	58.203		
3,300.0	3,287.0	3,128.4	3,044.2	8.1	13.9	-132.60	747.1	129.4	924.7	908.8	15.84	58.383		
3,400.0	3,386.1	3,222.0	3,134.3	8.4	14.4	-132.82	772.1	134.4	959.7	943.3	16.39	58.545		
3,500.0	3,485.3	3,315.6	3,224.4	8.7	14.9	-133.02	797.1	139.5	994.7	977.8	16.95	58.692		

<b>Company:</b>	Synergy Resources	<b>Local Co-ordinate Reference:</b>	Well SRC Cannon 24-16NHZ
<b>Project:</b>	SEC.16-T4N-R68W	<b>TVD Reference:</b>	WELL @ 4943.5ft (Ensign Rig #131 - RKB - 13.5')
<b>Reference Site:</b>	SRC Cannon Pad Sec.16-T4N-R68W	<b>MD Reference:</b>	WELL @ 4943.5ft (Ensign Rig #131 - RKB - 13.5')
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	SRC Cannon 24-16NHZ	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	Landmark
<b>Reference Design:</b>	Plan #2 (1-12-15)	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SRC Cannon Pad Sec.16-T4N-R68W - SRC Cannon S-16CHZ - Wellbore #1 - Plan #2 (1-12-15)													Offset Site Error: 0.0ft
Survey Program: 0-MWD													Offset Well Error: 0.0ft
Reference	Offset	Semi Major Axis		Distance		Warning							
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	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	0.00	15.0	0.0	15.0	15.0	0.00	N/A	
100.0	100.0	101.0	101.0	0.1	0.1	0.00	15.0	0.0	15.0	14.8	0.23	66.075	
200.0	200.0	201.0	201.0	0.3	0.3	0.00	15.0	0.0	15.0	14.3	0.68	22.171	
300.0	300.0	301.0	301.0	0.6	0.6	0.00	15.0	0.0	15.0	13.9	1.13	13.321	
400.0	400.0	401.0	401.0	0.8	0.8	0.00	15.0	0.0	15.0	13.4	1.58	9.520	
500.0	500.0	501.0	501.0	1.0	1.0	0.00	15.0	0.0	15.0	13.0	2.03	7.407	
600.0	600.0	601.0	601.0	1.2	1.2	0.00	15.0	0.0	15.0	12.5	2.47	6.061	
700.0	700.0	701.0	701.0	1.5	1.5	0.00	15.0	0.0	15.0	12.1	2.92	5.130	
800.0	800.0	801.0	801.0	1.7	1.7	0.00	15.0	0.0	15.0	11.6	3.37	4.446	
900.0	900.0	901.0	901.0	1.9	1.9	0.00	15.0	0.0	15.0	11.2	3.82	3.923	
1,000.0	1,000.0	1,001.0	1,001.0	2.1	2.1	0.00	15.0	0.0	15.0	10.7	4.27	3.511	
1,100.0	1,100.0	1,101.0	1,101.0	2.4	2.4	0.00	15.0	0.0	15.0	10.3	4.72	3.176	
1,200.0	1,200.0	1,201.0	1,201.0	2.6	2.6	0.00	15.0	0.0	15.0	9.8	5.17	2.900	
1,300.0	1,300.0	1,301.0	1,301.0	2.8	2.8	0.00	15.0	0.0	15.0	9.4	5.62	2.668	
1,400.0	1,400.0	1,401.0	1,401.0	3.0	3.0	0.00	15.0	0.0	15.0	8.9	6.07	2.471 CC, ES	
1,500.0	1,500.0	1,501.0	1,501.0	3.2	3.3	-136.06	15.0	0.0	15.9	9.4	6.50	2.450	
1,600.0	1,599.9	1,600.9	1,600.9	3.4	3.5	-144.30	15.0	0.0	18.9	12.0	6.90	2.745	
1,700.0	1,699.7	1,700.7	1,700.7	3.6	3.7	-153.20	15.0	0.0	24.6	17.2	7.30	3.361	
1,800.0	1,799.3	1,800.3	1,800.3	3.8	3.9	-160.34	15.0	0.0	33.0	25.3	7.71	4.279	
1,892.2	1,890.8	1,891.8	1,891.8	4.0	4.1	-165.09	15.0	0.0	43.3	35.2	8.08	5.354	
1,900.0	1,898.6	1,899.6	1,899.6	4.0	4.2	-165.43	15.0	0.0	44.2	36.1	8.11	5.453	
2,000.0	1,997.7	1,998.7	1,998.7	4.3	4.4	-168.69	15.0	0.0	56.8	48.2	8.53	6.653	
2,100.0	2,096.9	2,097.9	2,097.9	4.5	4.6	-170.77	15.0	0.0	69.4	60.4	8.96	7.749	
2,200.0	2,196.1	2,197.1	2,197.1	4.8	4.8	-172.21	15.0	0.0	82.1	72.7	9.39	8.748	
2,300.0	2,295.3	2,296.3	2,296.3	5.1	5.0	-173.26	15.0	0.0	94.9	85.0	9.82	9.661	
2,400.0	2,394.4	2,395.4	2,395.4	5.3	5.3	-174.06	15.0	0.0	107.6	97.4	10.25	10.497	
2,500.0	2,493.6	2,494.6	2,494.6	5.6	5.5	-174.70	15.0	0.0	120.4	109.7	10.69	11.263	
2,600.0	2,592.8	2,596.4	2,596.4	5.9	5.7	-174.89	14.8	1.2	132.3	121.2	11.12	11.895	
2,700.0	2,691.9	2,698.8	2,698.7	6.2	5.9	-174.36	14.2	5.1	142.1	130.6	11.54	12.313	
2,800.0	2,791.1	2,801.4	2,801.1	6.5	6.1	-173.23	13.2	11.7	149.9	137.9	11.97	12.522	
2,900.0	2,890.3	2,904.3	2,903.5	6.8	6.3	-171.53	11.7	21.1	155.7	143.3	12.41	12.548	
3,000.0	2,989.5	3,004.7	3,003.3	7.1	6.6	-169.54	10.0	32.1	160.3	147.4	12.86	12.468	
3,100.0	3,088.6	3,104.4	3,102.4	7.4	6.8	-167.65	8.2	43.1	165.0	151.7	13.31	12.395	
3,200.0	3,187.8	3,204.2	3,201.6	7.7	7.0	-165.87	6.5	54.1	169.9	156.1	13.78	12.331	
3,300.0	3,287.0	3,303.9	3,300.7	8.1	7.3	-164.19	4.8	65.1	175.0	160.7	14.26	12.273	
3,400.0	3,386.1	3,403.7	3,399.8	8.4	7.5	-162.61	3.1	76.1	180.2	165.4	14.74	12.220	
3,500.0	3,485.3	3,503.4	3,498.9	8.7	7.7	-161.11	1.4	87.1	185.5	170.2	15.24	12.173	
3,600.0	3,584.5	3,603.2	3,598.1	9.0	8.0	-159.70	-0.4	98.1	190.9	175.2	15.74	12.130	
3,700.0	3,683.7	3,702.9	3,697.2	9.3	8.3	-158.37	-2.1	109.1	196.5	180.2	16.25	12.090	
3,800.0	3,782.8	3,802.7	3,796.3	9.6	8.5	-157.11	-3.8	120.1	202.1	185.3	16.77	12.053	
3,826.6	3,809.2	3,829.2	3,822.6	9.7	8.6	-156.79	-4.3	123.0	203.6	186.7	16.91	12.044	
3,900.0	3,882.1	3,902.4	3,895.4	9.9	8.8	-155.87	-5.5	131.1	207.2	189.9	17.30	11.977	
4,000.0	3,981.6	4,002.2	3,994.6	10.2	9.0	-154.38	-7.2	142.1	210.1	192.3	17.82	11.790	
4,100.0	4,081.4	4,102.0	4,093.8	10.4	9.3	-152.61	-9.0	153.1	210.9	192.5	18.34	11.495	
4,200.0	4,181.3	4,201.7	4,192.8	10.6	9.6	-150.49	-10.7	164.1	209.5	190.6	18.87	11.104	
4,300.0	4,281.2	4,301.2	4,291.7	10.8	9.9	-147.95	-12.4	175.0	206.2	186.8	19.40	10.632	
4,318.8	4,300.0	4,319.9	4,310.3	10.8	9.9	-14.82	-12.7	177.1	205.4	185.6	19.76	10.395	
4,400.0	4,381.2	4,400.6	4,390.5	10.9	10.1	-12.48	-14.1	186.0	201.9	181.9	20.02	10.087	
4,500.0	4,481.2	4,500.0	4,489.3	11.1	10.4	-9.49	-15.8	197.0	198.1	177.8	20.33	9.745	
4,600.0	4,581.2	4,599.2	4,587.8	11.3	10.7	-6.41	-17.5	207.9	194.8	174.2	20.64	9.442	
4,700.0	4,681.2	4,697.5	4,685.7	11.5	10.9	-3.72	-19.0	217.1	192.5	171.6	20.93	9.198	

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

<b>Company:</b>	Synergy Resources	<b>Local Co-ordinate Reference:</b>	Well SRC Cannon 24-16NHZ
<b>Project:</b>	SEC.16-T4N-R68W	<b>TVD Reference:</b>	WELL @ 4943.5ft (Ensign Rig #131 - RKB - 13.5')
<b>Reference Site:</b>	SRC Cannon Pad Sec.16-T4N-R68W	<b>MD Reference:</b>	WELL @ 4943.5ft (Ensign Rig #131 - RKB - 13.5')
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	SRC Cannon 24-16NHZ	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	Landmark
<b>Reference Design:</b>	Plan #2 (1-12-15)	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design		SRC Cannon Pad Sec.16-T4N-R68W - SRC Cannon S-16CHZ - Wellbore #1 - Plan #2 (1-12-15)											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		Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
							+N/-S (ft)	+E/-W (ft)						
4,800.0	4,781.2	4,796.3	4,784.2	11.6	11.1	-1.72	-20.1	223.9	191.1	169.9	21.26	8.992		
4,900.0	4,881.2	4,895.3	4,883.2	11.8	11.3	-0.44	-20.7	228.1	190.4	168.8	21.60	8.812		
5,000.0	4,981.2	4,994.5	4,982.4	12.0	11.5	0.08	-21.0	229.9	190.1	168.1	21.98	8.651		
5,040.5	5,021.8	5,034.9	5,022.8	12.1	11.6	0.09	-21.0	229.9	190.1	168.0	22.13	8.589		
5,100.0	5,081.2	5,094.4	5,082.2	12.2	11.7	0.09	-21.0	229.9	190.1	167.7	22.37	8.498		
5,200.0	5,181.2	5,194.4	5,182.2	12.4	11.9	0.09	-21.0	229.9	190.1	167.3	22.78	8.345		
5,300.0	5,281.2	5,294.4	5,282.2	12.6	12.1	0.09	-21.0	229.9	190.1	166.9	23.19	8.196		
5,400.0	5,381.2	5,394.4	5,382.2	12.8	12.3	0.09	-21.0	229.9	190.1	166.5	23.61	8.052		
5,500.0	5,481.2	5,494.4	5,482.2	12.9	12.5	0.09	-21.0	229.9	190.1	166.1	24.02	7.913		
5,600.0	5,581.2	5,594.4	5,582.2	13.1	12.7	0.09	-21.0	229.9	190.1	165.7	24.44	7.778		
5,700.0	5,681.2	5,694.4	5,682.2	13.3	12.9	0.09	-21.0	229.9	190.1	165.2	24.86	7.648		
5,787.0	5,768.3	5,781.4	5,769.3	13.5	13.1	0.09	-21.0	229.9	190.1	164.9	25.22	7.537		
5,800.0	5,781.2	5,794.4	5,782.2	13.5	13.1	90.68	-21.0	229.9	190.1	164.0	26.10	7.284		
5,850.0	5,831.1	5,844.3	5,832.1	13.6	13.2	91.57	-21.0	229.9	190.2	163.9	26.30	7.230		
5,900.0	5,880.6	5,893.8	5,881.7	13.7	13.3	93.59	-21.0	229.9	190.5	164.0	26.51	7.184		
5,950.0	5,929.5	5,944.3	5,932.1	13.7	13.4	96.13	-21.0	227.7	191.2	164.5	26.69	7.164		
6,000.0	5,977.3	5,995.5	5,982.9	13.7	13.5	98.63	-21.0	221.5	192.4	165.6	26.82	7.172		
6,050.0	6,023.8	6,047.4	6,033.7	13.8	13.5	101.06	-21.1	210.9	193.9	167.0	26.91	7.206		
6,100.0	6,068.8	6,100.1	6,084.2	13.8	13.6	103.40	-21.1	196.1	195.8	168.8	26.95	7.265		
6,150.0	6,111.9	6,153.5	6,134.1	13.8	13.6	105.63	-21.2	176.8	197.9	171.0	26.96	7.343		
6,200.0	6,152.9	6,207.8	6,182.8	13.8	13.7	107.73	-21.3	153.0	200.3	173.4	26.94	7.436		
6,250.0	6,191.5	6,262.8	6,230.0	13.9	13.7	109.69	-21.3	124.7	202.9	175.9	26.93	7.534		
6,300.0	6,227.5	6,318.6	6,275.1	13.9	13.8	111.49	-21.5	92.0	205.5	178.6	26.94	7.627		
6,350.0	6,260.7	6,375.1	6,317.8	14.1	14.0	113.13	-21.6	55.0	208.2	181.2	27.03	7.703		
6,400.0	6,290.8	6,432.3	6,357.5	14.3	14.2	114.59	-21.7	13.7	210.8	183.6	27.21	7.747		
6,450.0	6,317.7	6,490.3	6,393.7	14.6	14.5	115.87	-21.9	-31.4	213.3	185.8	27.54	7.746		
6,500.0	6,341.3	6,548.8	6,426.0	15.1	15.0	116.97	-22.0	-80.2	215.7	187.6	28.05	7.689		
6,550.0	6,361.3	6,607.9	6,453.9	15.7	15.5	117.87	-22.2	-132.3	217.8	189.0	28.78	7.568		
6,600.0	6,377.6	6,667.4	6,477.0	16.4	16.3	118.59	-22.4	-187.1	219.6	189.9	29.74	7.385		
6,650.0	6,390.2	6,727.4	6,495.0	17.2	17.1	119.12	-22.5	-244.3	221.1	190.2	30.93	7.148		
6,700.0	6,398.9	6,787.6	6,507.6	18.0	18.0	119.46	-22.7	-303.1	222.2	189.9	32.35	6.868		
6,750.0	6,403.8	6,848.0	6,514.6	18.9	19.1	119.61	-22.9	-363.1	222.9	188.9	33.99	6.558		
6,800.0	6,404.7	6,908.4	6,515.9	19.8	20.2	119.56	-23.1	-423.5	223.3	187.4	35.83	6.231		
6,829.0	6,403.5	6,941.6	6,514.2	20.4	20.9	119.47	-23.2	-456.7	223.3	186.4	36.94	6.045		
6,900.0	6,398.8	7,012.6	6,509.6	21.9	22.3	119.44	-23.5	-527.5	223.7	184.3	39.49	5.666		
7,000.0	6,392.2	7,112.6	6,503.2	24.1	24.5	119.39	-23.8	-627.3	224.4	181.1	43.31	5.181		
7,100.0	6,385.6	7,212.6	6,496.7	26.3	26.8	119.34	-24.1	-727.1	225.0	177.6	47.33	4.753		
7,200.0	6,379.0	7,312.6	6,490.3	28.7	29.1	119.30	-24.5	-826.9	225.6	174.1	51.52	4.379		
7,300.0	6,372.4	7,412.6	6,483.8	31.2	31.6	119.25	-24.8	-926.7	226.2	170.4	55.83	4.051		
7,400.0	6,365.8	7,512.6	6,477.4	33.7	34.1	119.20	-25.1	-1,026.5	226.8	166.6	60.25	3.765		
7,500.0	6,359.3	7,612.6	6,470.9	36.2	36.6	119.16	-25.4	-1,126.3	227.4	162.7	64.75	3.513		
7,600.0	6,352.7	7,712.6	6,464.5	38.8	39.2	119.11	-25.8	-1,226.1	228.0	158.7	69.31	3.290		
7,700.0	6,346.1	7,812.6	6,458.0	41.4	41.8	119.07	-26.1	-1,325.8	228.7	154.7	73.93	3.093		
7,800.0	6,339.5	7,912.6	6,451.5	44.1	44.4	119.02	-26.4	-1,425.6	229.3	150.7	78.59	2.917		
7,900.0	6,332.9	8,012.6	6,445.1	46.7	47.1	118.97	-26.7	-1,525.4	229.9	146.6	83.29	2.760		
8,000.0	6,326.3	8,112.6	6,438.6	49.4	49.7	118.93	-27.1	-1,625.2	230.5	142.5	88.03	2.619		
8,100.0	6,319.7	8,212.6	6,432.2	52.1	52.4	118.88	-27.4	-1,725.0	231.1	138.3	92.79	2.491		
8,200.0	6,313.1	8,312.6	6,425.7	54.8	55.1	118.84	-27.7	-1,824.8	231.7	134.2	97.58	2.375		
8,300.0	6,306.5	8,412.6	6,419.3	57.5	57.8	118.80	-28.0	-1,924.6	232.4	130.0	102.39	2.269		
8,400.0	6,299.9	8,512.6	6,412.8	60.2	60.5	118.75	-28.4	-2,024.4	233.0	125.8	107.22	2.173		

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

<b>Company:</b>	Synergy Resources	<b>Local Co-ordinate Reference:</b>	Well SRC Cannon 24-16NHZ
<b>Project:</b>	SEC.16-T4N-R68W	<b>TVD Reference:</b>	WELL @ 4943.5ft (Ensign Rig #131 - RKB - 13.5')
<b>Reference Site:</b>	SRC Cannon Pad Sec.16-T4N-R68W	<b>MD Reference:</b>	WELL @ 4943.5ft (Ensign Rig #131 - RKB - 13.5')
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	SRC Cannon 24-16NHZ	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	Landmark
<b>Reference Design:</b>	Plan #2 (1-12-15)	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design		SRC Cannon Pad Sec.16-T4N-R68W - SRC Cannon S-16CHZ - Wellbore #1 - Plan #2 (1-12-15)										Offset Site Error:		0.0 ft
Survey Program: 0-MWD												Offset Well Error:		0.0 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset	Highside Toolface	Offset Wellbore Centre		Between Centres	Between Ellipses	Minimum Separation	Separation Factor		
(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(°)	+N/-S (ft)	+E/-W (ft)	(ft)	(ft)	(ft)			
8,500.0	6,293.3	8,612.6	6,406.4	62.9	63.2	118.71	-28.7	-2,124.2	233.6	121.5	112.07	2.084		
8,600.0	6,286.7	8,712.6	6,399.9	65.6	66.0	118.66	-29.0	-2,223.9	234.2	117.3	116.93	2.003		
8,700.0	6,280.1	8,812.6	6,393.5	68.3	68.7	118.62	-29.3	-2,323.7	234.8	113.0	121.81	1.928		
8,800.0	6,273.5	8,912.6	6,387.0	71.1	71.4	118.58	-29.7	-2,423.5	235.4	108.7	126.70	1.858		
8,900.0	6,267.0	9,012.6	6,380.6	73.8	74.2	118.53	-30.0	-2,523.3	236.1	104.5	131.60	1.794		
9,000.0	6,260.4	9,112.6	6,374.1	76.6	76.9	118.49	-30.3	-2,623.1	236.7	100.2	136.51	1.734		
9,100.0	6,253.8	9,212.6	6,367.7	79.3	79.7	118.45	-30.6	-2,722.9	237.3	95.9	141.44	1.678		
9,200.0	6,247.2	9,312.6	6,361.2	82.1	82.4	118.41	-31.0	-2,822.7	237.9	91.5	146.37	1.625		
9,300.0	6,240.6	9,412.6	6,354.8	84.8	85.2	118.36	-31.3	-2,922.5	238.5	87.2	151.31	1.576		
9,400.0	6,234.0	9,512.6	6,348.3	87.6	87.9	118.32	-31.6	-3,022.3	239.2	82.9	156.26	1.531		
9,500.0	6,227.4	9,612.6	6,341.8	90.3	90.7	118.28	-32.0	-3,122.0	239.8	78.6	161.21	1.487	Level 3	
9,600.0	6,220.8	9,712.6	6,335.4	93.1	93.4	118.24	-32.3	-3,221.8	240.4	74.2	166.18	1.447	Level 3	
9,700.0	6,214.2	9,812.6	6,328.9	95.9	96.2	118.20	-32.6	-3,321.6	241.0	69.9	171.15	1.408	Level 3	
9,800.0	6,207.6	9,912.6	6,322.5	98.6	99.0	118.16	-32.9	-3,421.4	241.6	65.5	176.13	1.372	Level 3	
9,900.0	6,201.0	10,012.6	6,316.0	101.4	101.7	118.11	-33.3	-3,521.2	242.2	61.1	181.11	1.338	Level 3	
10,000.0	6,194.4	10,112.6	6,309.6	104.2	104.5	118.07	-33.6	-3,621.0	242.9	56.8	186.10	1.305	Level 3	
10,100.0	6,187.8	10,212.6	6,303.1	106.9	107.3	118.03	-33.9	-3,720.8	243.5	52.4	191.10	1.274	Level 3	
10,200.0	6,181.3	10,312.6	6,296.7	109.7	110.1	117.99	-34.2	-3,820.6	244.1	48.0	196.10	1.245	Level 2	
10,300.0	6,174.7	10,412.6	6,290.2	112.5	112.8	117.95	-34.6	-3,920.4	244.7	43.6	201.10	1.217	Level 2	
10,400.0	6,168.1	10,512.6	6,283.8	115.3	115.6	117.91	-34.9	-4,020.1	245.3	39.2	206.12	1.190	Level 2	
10,500.0	6,161.5	10,612.6	6,277.3	118.0	118.4	117.87	-35.2	-4,119.9	246.0	34.8	211.13	1.165	Level 2	
10,600.0	6,154.9	10,712.6	6,270.9	120.8	121.2	117.83	-35.5	-4,219.7	246.6	30.4	216.15	1.141	Level 2	
10,700.0	6,148.3	10,812.6	6,264.4	123.6	123.9	117.79	-35.9	-4,319.5	247.2	26.0	221.18	1.118	Level 2	
10,800.0	6,141.7	10,912.5	6,258.0	126.4	126.7	117.76	-36.2	-4,419.3	247.8	21.6	226.21	1.096	Level 2	
10,900.0	6,135.1	11,012.5	6,251.5	129.1	129.5	117.72	-36.5	-4,519.1	248.4	17.2	231.24	1.074	Level 2	
10,924.3	6,133.5	11,028.1	6,250.5	129.8	129.9	117.71	-36.6	-4,534.6	248.7	16.5	232.24	1.071	Level 2, SF	



SRC Cannon Pad Sec.16-T4N-R68W - SRC Cannon S-16NHZ - Wellbore #1 - Plan #2 (1-12-15)													Offset Site Error:	0.0 ft
Survey Program: 0-MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance							
Measured Depth	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset	Highside Toolface	Offset Wellbore Centre		Between Centres	Between Ellipses	Minimum Separation	Separation Factor	Warning	
(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(°)	+N/-S (ft)	+E/-W (ft)	(ft)	(ft)	(ft)			
0.0	0.0	1.0	1.0	0.0	0.0	0.00	30.0	0.0	30.0	30.0	0.00	N/A		
100.0	100.0	101.0	101.0	0.1	0.1	0.00	30.0	0.0	30.0	29.8	0.23	132.151		
200.0	200.0	201.0	201.0	0.3	0.3	0.00	30.0	0.0	30.0	29.3	0.68	44.343		
300.0	300.0	301.0	301.0	0.6	0.6	0.00	30.0	0.0	30.0	28.9	1.13	26.641		
400.0	400.0	401.0	401.0	0.8	0.8	0.00	30.0	0.0	30.0	28.4	1.58	19.040		
500.0	500.0	501.0	501.0	1.0	1.0	0.00	30.0	0.0	30.0	28.0	2.03	14.814		
600.0	600.0	601.0	601.0	1.2	1.2	0.00	30.0	0.0	30.0	27.5	2.47	12.123		
700.0	700.0	701.0	701.0	1.5	1.5	0.00	30.0	0.0	30.0	27.1	2.92	10.259		
800.0	800.0	801.0	801.0	1.7	1.7	0.00	30.0	0.0	30.0	26.6	3.37	8.892		
900.0	900.0	901.0	901.0	1.9	1.9	0.00	30.0	0.0	30.0	26.2	3.82	7.847		
1,000.0	1,000.0	1,001.0	1,001.0	2.1	2.1	0.00	30.0	0.0	30.0	25.7	4.27	7.021		
1,100.0	1,100.0	1,101.0	1,101.0	2.4	2.4	0.00	30.0	0.0	30.0	25.3	4.72	6.353		
1,200.0	1,200.0	1,201.0	1,201.0	2.6	2.6	0.00	30.0	0.0	30.0	24.8	5.17	5.801		
1,300.0	1,300.0	1,301.0	1,301.0	2.8	2.8	0.00	30.0	0.0	30.0	24.4	5.62	5.337		
1,400.0	1,400.0	1,401.0	1,401.0	3.0	3.0	0.00	30.0	0.0	30.0	23.9	6.07	4.942 CC, ES		
1,500.0	1,500.0	1,501.0	1,501.0	3.2	3.3	-134.37	30.0	0.0	30.9	24.4	6.50	4.757		
1,600.0	1,599.9	1,600.9	1,600.9	3.4	3.5	-139.11	30.0	0.0	33.8	26.9	6.90	4.893		
1,700.0	1,699.7	1,700.3	1,700.3	3.6	3.7	-143.57	30.8	1.1	39.5	32.2	7.30	5.404		
1,800.0	1,799.3	1,799.4	1,799.3	3.8	3.9	-145.68	33.0	4.3	48.5	40.7	7.70	6.289		
1,892.2	1,890.8	1,890.5	1,890.2	4.0	4.1	-146.14	36.3	9.0	59.5	51.4	8.08	7.364		
1,900.0	1,898.6	1,898.2	1,897.9	4.0	4.1	-146.14	36.7	9.5	60.6	52.5	8.12	7.463		
2,000.0	1,997.7	1,996.5	1,995.8	4.3	4.4	-145.13	41.8	16.8	74.5	66.0	8.56	8.713		
2,100.0	2,096.9	2,094.7	2,093.3	4.5	4.6	-142.96	48.3	26.2	89.5	80.5	9.02	9.931		
2,200.0	2,196.1	2,193.4	2,191.2	4.8	4.8	-140.93	55.4	36.3	105.0	95.6	9.49	11.064		
2,300.0	2,295.3	2,292.1	2,289.2	5.1	5.1	-139.42	62.5	46.5	120.6	110.7	9.98	12.084		
2,400.0	2,394.4	2,390.9	2,387.1	5.3	5.4	-138.26	69.7	56.6	136.3	125.8	10.48	13.001		
2,500.0	2,493.6	2,489.6	2,485.1	5.6	5.6	-137.34	76.8	66.8	152.0	141.0	10.99	13.828		
2,600.0	2,592.8	2,588.3	2,583.0	5.9	5.9	-136.59	83.9	77.0	167.7	156.2	11.51	14.574		
2,700.0	2,691.9	2,687.1	2,681.0	6.2	6.2	-135.97	91.0	87.1	183.5	171.5	12.03	15.250		
2,800.0	2,791.1	2,785.8	2,778.9	6.5	6.5	-135.45	98.1	97.3	199.3	186.7	12.56	15.863		
2,900.0	2,890.3	2,884.5	2,876.9	6.8	6.7	-135.00	105.2	107.4	215.1	202.0	13.10	16.421		
3,000.0	2,989.5	2,983.3	2,974.8	7.1	7.0	-134.62	112.3	117.6	230.9	217.2	13.64	16.930		
3,100.0	3,088.6	3,082.0	3,072.8	7.4	7.3	-134.29	119.4	127.7	246.7	232.5	14.18	17.396		
3,200.0	3,187.8	3,180.7	3,170.8	7.7	7.6	-133.99	126.5	137.9	262.5	247.7	14.73	17.824		
3,300.0	3,287.0	3,279.5	3,268.7	8.1	7.9	-133.73	133.6	148.0	278.3	263.0	15.28	18.218		
3,400.0	3,386.1	3,378.2	3,366.7	8.4	8.2	-133.50	140.7	158.2	294.1	278.3	15.83	18.581		
3,500.0	3,485.3	3,476.9	3,464.6	8.7	8.5	-133.29	147.8	168.4	310.0	293.6	16.39	18.917		
3,600.0	3,584.5	3,575.7	3,562.6	9.0	8.8	-133.10	155.0	178.5	325.8	308.8	16.94	19.228		
3,700.0	3,683.7	3,674.4	3,660.5	9.3	9.1	-132.93	162.1	188.7	341.6	324.1	17.50	19.517		
3,800.0	3,782.8	3,773.1	3,758.5	9.6	9.4	-132.77	169.2	198.8	357.5	339.4	18.07	19.787		
3,826.6	3,809.2	3,799.4	3,784.5	9.7	9.5	-132.73	171.1	201.5	361.7	343.5	18.22	19.855		
3,900.0	3,882.1	3,874.1	3,858.6	9.9	9.7	-132.69	176.3	209.0	372.7	354.1	18.62	20.021		
4,000.0	3,981.6	3,979.2	3,963.2	10.2	9.9	-132.62	182.5	217.8	385.1	366.0	19.09	20.175		
4,100.0	4,081.4	4,085.0	4,068.7	10.4	10.2	-132.57	187.0	224.3	394.1	374.6	19.52	20.189		
4,200.0	4,181.3	4,191.1	4,174.7	10.6	10.4	-132.55	189.8	228.3	399.7	379.8	19.92	20.064		
4,300.0	4,281.2	4,297.5	4,281.1	10.8	10.6	-132.54	191.0	230.0	402.0	381.7	20.30	19.808		
4,318.8	4,300.0	4,317.4	4,301.0	10.8	10.6	0.06	191.0	230.0	402.1	382.3	19.75	20.356		
4,400.0	4,381.2	4,398.7	4,382.2	10.9	10.7	0.06	191.0	230.0	402.1	382.0	20.06	20.045		
4,500.0	4,481.2	4,498.7	4,482.2	11.1	10.9	0.06	191.0	230.0	402.1	381.6	20.45	19.659		
4,600.0	4,581.2	4,598.7	4,582.2	11.3	11.1	0.06	191.0	230.0	402.1	381.2	20.85	19.285		
4,700.0	4,681.2	4,698.7	4,682.2	11.5	11.3	0.06	191.0	230.0	402.1	380.9	21.25	18.924		



<b>Company:</b>	Synergy Resources	<b>Local Co-ordinate Reference:</b>	Well SRC Cannon 24-16NHZ
<b>Project:</b>	SEC.16-T4N-R68W	<b>TVD Reference:</b>	WELL @ 4943.5ft (Ensign Rig #131 - RKB - 13.5')
<b>Reference Site:</b>	SRC Cannon Pad Sec.16-T4N-R68W	<b>MD Reference:</b>	WELL @ 4943.5ft (Ensign Rig #131 - RKB - 13.5')
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	SRC Cannon 24-16NHZ	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	Landmark
<b>Reference Design:</b>	Plan #2 (1-12-15)	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design		SRC Cannon Pad Sec.16-T4N-R68W - SRC Cannon S-16NHZ - Wellbore #1 - Plan #2 (1-12-15)											Offset Site Error:		0.0 ft
Survey Program: 0-MWD													Offset Well Error:		0.0 ft
Reference		Offset		Semi Major Axis			Distance							Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor			
4,800.0	4,781.2	4,798.7	4,782.2	11.6	11.5	0.06	191.0	230.0	402.1	380.5	21.65	18.574			
4,900.0	4,881.2	4,898.7	4,882.2	11.8	11.7	0.06	191.0	230.0	402.1	380.0	22.05	18.235			
5,000.0	4,981.2	4,998.7	4,982.2	12.0	11.9	0.06	191.0	230.0	402.1	379.6	22.46	17.907			
5,100.0	5,081.2	5,098.7	5,082.2	12.2	12.1	0.06	191.0	230.0	402.1	379.2	22.86	17.589			
5,200.0	5,181.2	5,198.7	5,182.2	12.4	12.3	0.06	191.0	230.0	402.1	378.8	23.27	17.281			
5,300.0	5,281.2	5,298.7	5,282.2	12.6	12.5	0.06	191.0	230.0	402.1	378.4	23.68	16.983			
5,400.0	5,381.2	5,398.7	5,382.2	12.8	12.7	0.06	191.0	230.0	402.1	378.0	24.09	16.693			
5,500.0	5,481.2	5,498.7	5,482.2	12.9	12.9	0.06	191.0	230.0	402.1	377.6	24.50	16.413			
5,600.0	5,581.2	5,598.7	5,582.2	13.1	13.1	0.06	191.0	230.0	402.1	377.2	24.91	16.141			
5,700.0	5,681.2	5,698.7	5,682.2	13.3	13.3	0.06	191.0	230.0	402.1	376.8	25.33	15.877			
5,787.0	5,768.3	5,785.7	5,769.3	13.5	13.5	0.06	191.0	230.0	402.1	376.4	25.69	15.653			
5,787.0	5,768.3	5,785.7	5,769.3	13.5	13.5	0.06	191.0	230.0	402.1	376.4	25.69	15.653			
5,800.0	5,781.2	5,798.7	5,782.3	13.5	13.5	90.60	191.0	229.9	402.1	375.8	26.29	15.294			
5,850.0	5,831.1	5,848.8	5,832.2	13.6	13.6	90.60	191.0	226.9	402.1	375.7	26.45	15.204			
5,900.0	5,880.6	5,898.8	5,881.8	13.7	13.7	90.59	191.0	220.0	402.2	375.6	26.57	15.135			
5,950.0	5,929.5	5,948.9	5,930.7	13.7	13.7	90.58	191.0	209.2	402.3	375.6	26.67	15.082			
6,000.0	5,977.3	5,999.0	5,978.6	13.7	13.8	90.57	190.9	194.6	402.4	375.6	26.75	15.042			
6,050.0	6,023.8	6,049.1	6,025.2	13.8	13.8	90.55	190.9	176.3	402.5	375.7	26.82	15.007			
6,100.0	6,068.8	6,099.1	6,070.2	13.8	13.8	90.53	190.9	154.3	402.7	375.8	26.90	14.969			
6,150.0	6,111.9	6,149.2	6,113.3	13.8	13.8	90.50	190.8	128.9	402.9	375.9	27.01	14.917			
6,200.0	6,152.9	6,199.3	6,154.3	13.8	13.9	90.47	190.8	100.3	403.1	376.0	27.16	14.840			
6,250.0	6,191.5	6,249.3	6,193.0	13.9	13.9	90.44	190.7	68.4	403.4	376.0	27.39	14.725			
6,300.0	6,227.5	6,299.4	6,229.0	13.9	14.1	90.41	190.7	33.7	403.7	375.9	27.73	14.558			
6,350.0	6,260.7	6,349.4	6,262.1	14.1	14.3	90.37	190.6	-3.8	404.0	375.8	28.19	14.330			
6,400.0	6,290.8	6,399.5	6,292.2	14.3	14.6	90.33	190.6	-43.7	404.3	375.5	28.80	14.036			
6,450.0	6,317.7	6,449.5	6,319.1	14.6	15.0	90.29	190.5	-85.9	404.6	375.0	29.59	13.674			
6,500.0	6,341.3	6,499.5	6,342.6	15.1	15.4	90.25	190.4	-130.1	405.0	374.4	30.56	13.252			
6,550.0	6,361.3	6,549.6	6,362.5	15.7	16.0	90.21	190.4	-176.0	405.3	373.6	31.71	12.780			
6,600.0	6,377.6	6,599.6	6,378.8	16.4	16.7	90.16	190.3	-223.2	405.7	372.7	33.05	12.274			
6,650.0	6,390.2	6,649.6	6,391.3	17.2	17.4	90.12	190.2	-271.7	406.1	371.5	34.56	11.750			
6,700.0	6,398.9	6,699.6	6,400.0	18.0	18.3	90.07	190.1	-320.9	406.5	370.3	36.22	11.223			
6,750.0	6,403.8	6,749.6	6,404.8	18.9	19.2	90.02	190.1	-370.6	406.9	368.9	38.00	10.707			
6,800.0	6,404.7	6,799.6	6,405.6	19.8	20.1	89.98	190.0	-420.6	407.3	367.4	39.88	10.212			
6,829.0	6,403.5	6,828.6	6,404.3	20.4	20.7	89.95	189.9	-449.6	407.5	366.5	41.02	9.935			
6,900.0	6,398.8	6,899.6	6,399.7	21.9	22.1	89.96	189.8	-520.4	408.1	364.2	43.91	9.294			
7,000.0	6,392.2	6,999.6	6,393.3	24.1	24.3	89.98	189.7	-620.2	408.9	360.6	48.24	8.476			
7,100.0	6,385.6	7,099.6	6,386.8	26.3	26.5	90.00	189.5	-720.0	409.7	356.9	52.81	7.757			
7,200.0	6,379.0	7,199.6	6,380.3	28.7	28.9	90.01	189.3	-819.8	410.5	352.9	57.57	7.130			
7,300.0	6,372.4	7,299.6	6,373.9	31.2	31.4	90.03	189.2	-919.6	411.3	348.8	62.46	6.584			
7,400.0	6,365.8	7,399.6	6,367.4	33.7	33.8	90.05	189.0	-1,019.4	412.0	344.6	67.46	6.108			
7,500.0	6,359.3	7,499.6	6,360.9	36.2	36.4	90.06	188.9	-1,119.2	412.8	340.3	72.55	5.690			
7,600.0	6,352.7	7,599.6	6,354.5	38.8	39.0	90.08	188.7	-1,218.9	413.6	335.9	77.71	5.323			
7,700.0	6,346.1	7,699.6	6,348.0	41.4	41.6	90.10	188.6	-1,318.7	414.4	331.5	82.93	4.998			
7,800.0	6,339.5	7,799.6	6,341.5	44.1	44.2	90.11	188.4	-1,418.5	415.2	327.0	88.19	4.708			
7,900.0	6,332.9	7,899.6	6,335.0	46.7	46.8	90.13	188.2	-1,518.3	416.0	322.5	93.49	4.450			
8,000.0	6,326.3	7,999.6	6,328.6	49.4	49.5	90.15	188.1	-1,618.1	416.8	318.0	98.82	4.218			
8,100.0	6,319.7	8,099.5	6,322.1	52.1	52.2	90.16	187.9	-1,717.9	417.6	313.4	104.18	4.008			
8,200.0	6,313.1	8,199.5	6,315.6	54.8	54.9	90.18	187.8	-1,817.7	418.4	308.8	109.57	3.819			
8,300.0	6,306.5	8,299.5	6,309.2	57.5	57.6	90.20	187.6	-1,917.5	419.2	304.2	114.97	3.646			
8,400.0	6,299.9	8,399.5	6,302.7	60.2	60.3	90.21	187.4	-2,017.2	420.0	299.6	120.40	3.489			

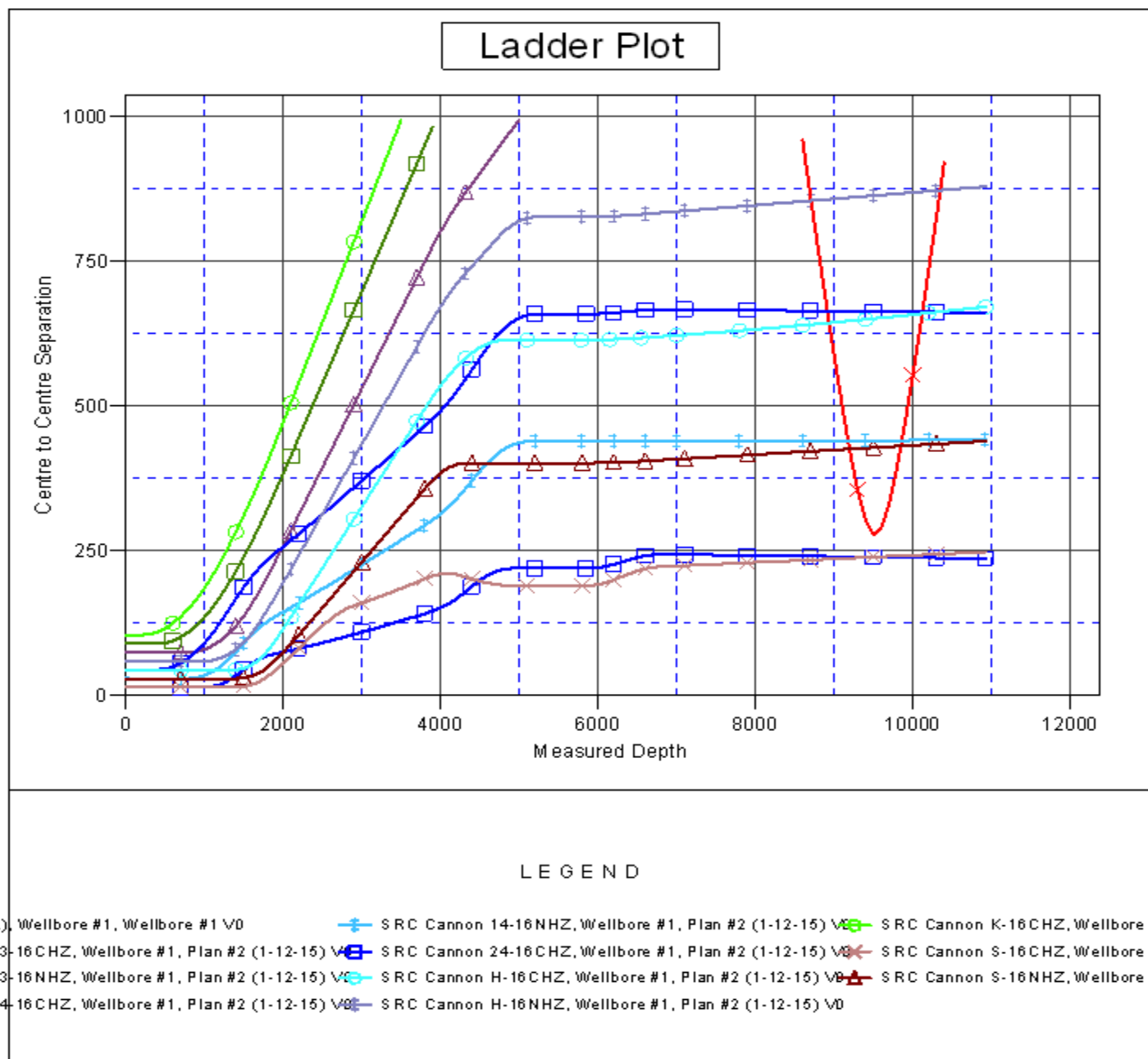
CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

<b>Company:</b>	Synergy Resources	<b>Local Co-ordinate Reference:</b>	Well SRC Cannon 24-16NHZ
<b>Project:</b>	SEC.16-T4N-R68W	<b>TVD Reference:</b>	WELL @ 4943.5ft (Ensign Rig #131 - RKB - 13.5')
<b>Reference Site:</b>	SRC Cannon Pad Sec.16-T4N-R68W	<b>MD Reference:</b>	WELL @ 4943.5ft (Ensign Rig #131 - RKB - 13.5')
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	SRC Cannon 24-16NHZ	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	Landmark
<b>Reference Design:</b>	Plan #2 (1-12-15)	<b>Offset TVD Reference:</b>	Offset Datum

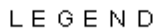
Offset Design													Offset Site Error:	0.0 ft
SRC Cannon Pad Sec.16-T4N-R68W - SRC Cannon S-16NHZ - Wellbore #1 - Plan #2 (1-12-15)													Offset Well Error:	0.0 ft
Survey Program: 0-MWD														
Reference		Offset		Semi Major Axis			Distance							
Measured Depth (ft)	Vertical Depth (ft)	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	
8,500.0	6,293.3	8,499.5	6,296.2	62.9	63.0	90.23	187.3	-2,117.0	420.8	295.0	125.83	3.344		
8,600.0	6,286.7	8,599.5	6,289.8	65.6	65.7	90.24	187.1	-2,216.8	421.6	290.3	131.28	3.211		
8,700.0	6,280.1	8,699.5	6,283.3	68.3	68.5	90.26	187.0	-2,316.6	422.4	285.6	136.75	3.089		
8,800.0	6,273.5	8,799.5	6,276.8	71.1	71.2	90.28	186.8	-2,416.4	423.2	281.0	142.22	2.976		
8,900.0	6,267.0	8,899.5	6,270.3	73.8	73.9	90.29	186.7	-2,516.2	424.0	276.3	147.70	2.871		
9,000.0	6,260.4	8,999.5	6,263.9	76.6	76.7	90.31	186.5	-2,616.0	424.8	271.6	153.19	2.773		
9,100.0	6,253.8	9,099.5	6,257.4	79.3	79.4	90.32	186.3	-2,715.7	425.6	266.9	158.69	2.682		
9,200.0	6,247.2	9,199.5	6,250.9	82.1	82.2	90.34	186.2	-2,815.5	426.4	262.2	164.19	2.597		
9,300.0	6,240.6	9,299.5	6,244.5	84.8	84.9	90.36	186.0	-2,915.3	427.2	257.5	169.70	2.517		
9,400.0	6,234.0	9,399.5	6,238.0	87.6	87.7	90.37	185.9	-3,015.1	428.0	252.7	175.22	2.442		
9,500.0	6,227.4	9,499.5	6,231.5	90.3	90.5	90.39	185.7	-3,114.9	428.8	248.0	180.74	2.372		
9,600.0	6,220.8	9,599.5	6,225.0	93.1	93.2	90.40	185.6	-3,214.7	429.6	243.3	186.27	2.306		
9,700.0	6,214.2	9,699.5	6,218.6	95.9	96.0	90.42	185.4	-3,314.5	430.4	238.6	191.79	2.244		
9,800.0	6,207.6	9,799.5	6,212.1	98.6	98.8	90.43	185.2	-3,414.3	431.2	233.8	197.33	2.185		
9,900.0	6,201.0	9,899.5	6,205.6	101.4	101.5	90.45	185.1	-3,514.0	431.9	229.1	202.86	2.129		
10,000.0	6,194.4	9,999.5	6,199.2	104.2	104.3	90.46	184.9	-3,613.8	432.7	224.3	208.40	2.076		
10,100.0	6,187.8	10,099.5	6,192.7	106.9	107.1	90.48	184.8	-3,713.6	433.5	219.6	213.95	2.026		
10,200.0	6,181.3	10,199.5	6,186.2	109.7	109.8	90.50	184.6	-3,813.4	434.3	214.8	219.49	1.979		
10,300.0	6,174.7	10,299.5	6,179.8	112.5	112.6	90.51	184.5	-3,913.2	435.1	210.1	225.04	1.934		
10,400.0	6,168.1	10,399.5	6,173.3	115.3	115.4	90.53	184.3	-4,013.0	435.9	205.3	230.59	1.891		
10,500.0	6,161.5	10,499.5	6,166.8	118.0	118.2	90.54	184.1	-4,112.8	436.7	200.6	236.14	1.849		
10,600.0	6,154.9	10,599.5	6,160.3	120.8	120.9	90.56	184.0	-4,212.6	437.5	195.8	241.69	1.810		
10,700.0	6,148.3	10,699.5	6,153.9	123.6	123.7	90.57	183.8	-4,312.3	438.3	191.1	247.25	1.773		
10,800.0	6,141.7	10,799.5	6,147.4	126.4	126.5	90.59	183.7	-4,412.1	439.1	186.3	252.81	1.737		
10,900.0	6,135.1	10,899.5	6,140.9	129.1	129.3	90.60	183.5	-4,511.9	439.9	181.5	258.36	1.703		
10,924.3	6,133.5	10,921.6	6,139.5	129.8	129.7	90.60	183.5	-4,534.0	440.1	180.7	259.44	1.696 SF		








<b>Company:</b>	Synergy Resources	<b>Local Co-ordinate Reference:</b>	Well SRC Cannon 24-16NHZ
<b>Project:</b>	SEC.16-T4N-R68W	<b>TVD Reference:</b>	WELL @ 4943.5ft (Ensign Rig #131 - RKB - 13.5')
<b>Reference Site:</b>	SRC Cannon Pad Sec.16-T4N-R68W	<b>MD Reference:</b>	WELL @ 4943.5ft (Ensign Rig #131 - RKB - 13.5')
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	SRC Cannon 24-16NHZ	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	Landmark
<b>Reference Design:</b>	Plan #2 (1-12-15)	<b>Offset TVD Reference:</b>	Offset Datum

Reference Depths are relative to WELL @ 4943.5ft (Ensign Rig #131 - Coordinates are relative to: SRC Cannon 24-16NHZ  
 Offset Depths are relative to Offset Datum  
 Central Meridian is -105.500000 °  
 Coordinate System is US State Plane 1983, Colorado Northern Zone  
 Grid Convergence at Surface is: 0.32°



Reference Depths are relative to WELL @ 4943.5ft (Ensign Rig #131 - Coordinates are relative to: SRC Cannon 24-16NHZ  
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: 0.32°



A)	Wellbore #1, Wellbore #1 VD		SRC Cannon 14-16NHZ, Wellbore #1, Plan #2 (1-12-15) VD		SRC Cannon K-16CHZ, Wellbore #1
13-	16CHZ, Wellbore #1, Plan #2 (1-12-15) VD		SRC Cannon 24-16CHZ, Wellbore #1, Plan #2 (1-12-15) VD		SRC Cannon S-16CHZ, Wellbore #1
13-	16NHZ, Wellbore #1, Plan #2 (1-12-15) VD		SRC Cannon H-16CHZ, Wellbore #1, Plan #2 (1-12-15) VD		SRC Cannon S-16NHZ, Wellbore #1
14-	16CHZ, Wellbore #1, Plan #2 (1-12-15) VD		SRC Cannon H-16NHZ, Wellbore #1, Plan #2 (1-12-15) VD		