

# Synergy Resources

Well Name: **SRC Cannon K-16CHZ**

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

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

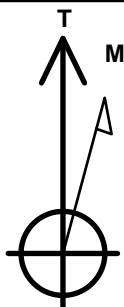
Ground Elevation: 4933.0

+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
0.0	0.0	1355929.00	3139483.04	40.309346	-104.999848	

Ensign Rig #131 - RKB - 13.5' WELL @ 4946.5ft (Ensign Rig #131 - RKB - 13.5')

## WELLBORE TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Shape
SHL 1166'FSL & 280'FEL	1.0	0.0	0.0	Point
BHL 2388'FSL & 475'FWL	6271.5	1178.3	-4530.7	Point



Azimuths to True North  
Magnetic North: 8.50°

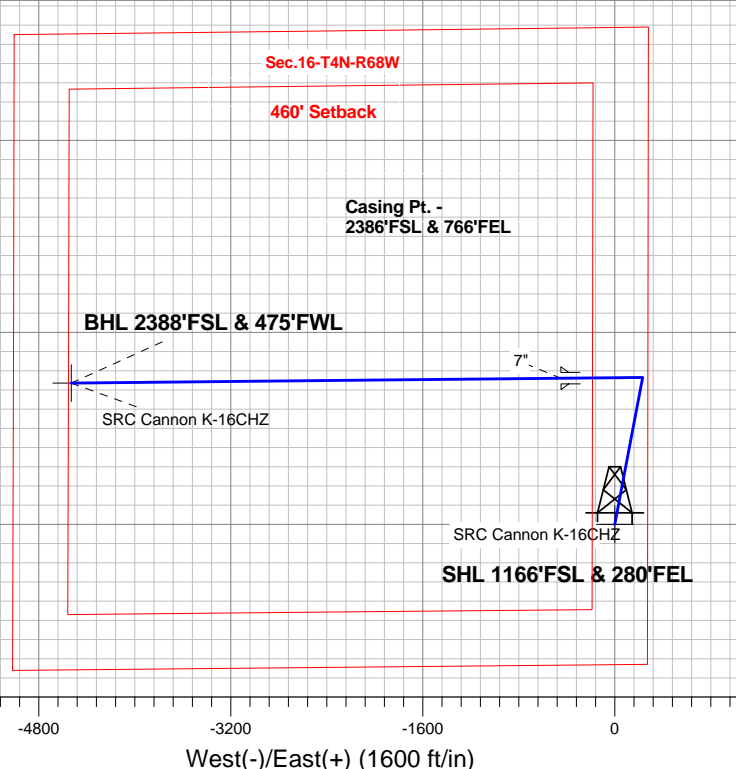
Magnetic Field  
Strength: 52680.5snT  
Dip Angle: 66.82°  
Date: 1/15/2015  
Model: IGRF2010

SRC Cannon Pad Sec.16-T4N-R68W  
SRC Cannon K-16CHZ  
Plan #2 (1-12-15)  
10:36, January 15 2015

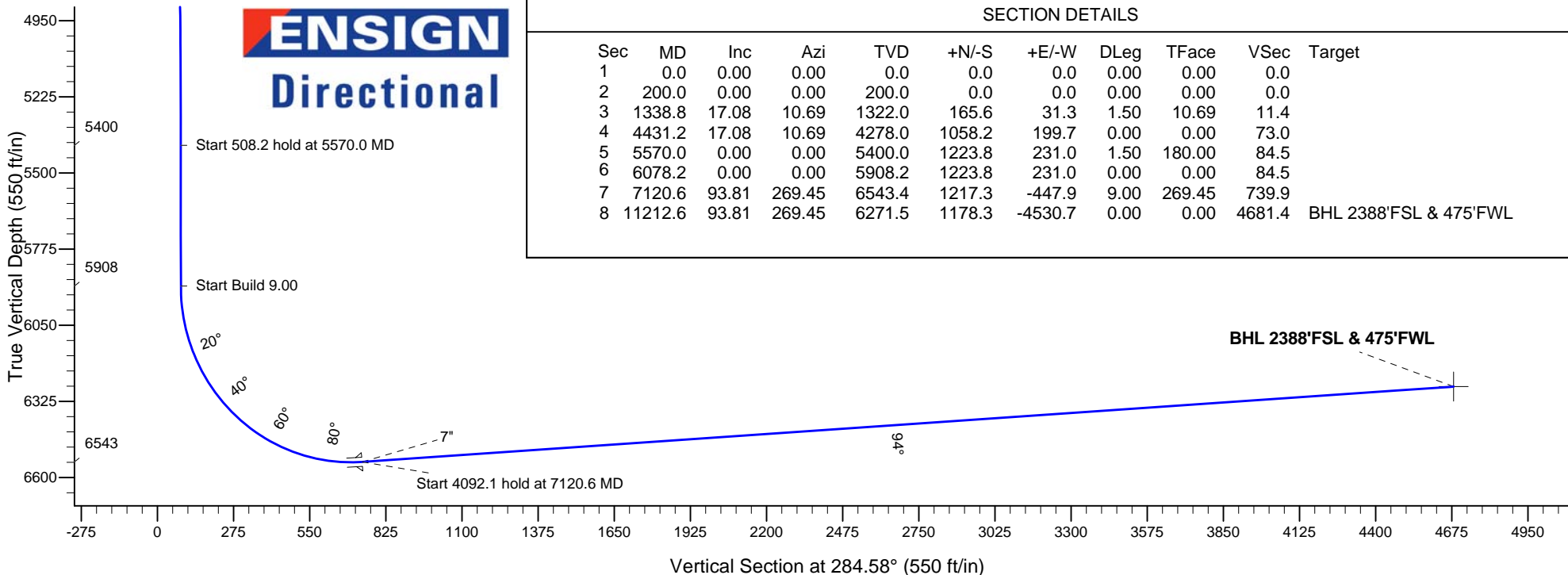
## ANNOTATIONS

TVD	MD	Annotation
200.0	200.0	KOP - Start Build 1.50
4278.0	4431.2	Start Drop -1.50
5400.0	5570.0	Start 508.2 hold at 5570.0 MD
5908.2	6078.2	Start Build 9.00
6543.4	7120.6	Start 4092.1 hold at 7120.6 MD
6271.5	11212.6	TD at 11212.6

South(-)/North(+) (1600 ft/in)



West(-)/East(+) (1600 ft/in)



## SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	200.0	0.00	0.00	200.0	0.0	0.0	0.00	0.00	0.0	
3	1338.8	17.08	10.69	1322.0	165.6	31.3	1.50	10.69	11.4	
4	4431.2	17.08	10.69	4278.0	1058.2	199.7	0.00	0.00	73.0	
5	5570.0	0.00	0.00	5400.0	1223.8	231.0	1.50	180.00	84.5	
6	6078.2	0.00	0.00	5908.2	1223.8	231.0	0.00	0.00	84.5	
7	7120.6	93.81	269.45	6543.4	1217.3	-447.9	9.00	269.45	739.9	
8	11212.6	93.81	269.45	6271.5	1178.3	-4530.7	0.00	0.00	4681.4	BHL 2388'FSL & 475'FWL



## **Synergy Resources**

**SEC.16-T4N-R68W**

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

**SRC Cannon K-16CHZ**

**Wellbore #1**

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

## **Standard Planning Report**

**15 January, 2015**

<b>Database:</b>	Landmark	<b>Local Co-ordinate Reference:</b>	Well SRC Cannon K-16CHZ
<b>Company:</b>	Synergy Resources	<b>TVD Reference:</b>	WELL @ 4946.5ft (Ensign Rig #131 - RKB - 13.5')
<b>Project:</b>	SEC.16-T4N-R68W	<b>MD Reference:</b>	WELL @ 4946.5ft (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 K-16CHZ	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Wellbore #1		
<b>Design:</b>	Plan #2 (1-12-15)		

<b>Project</b>	SEC.16-T4N-R68W, Weld County, CO		
<b>Map System:</b>	US State Plane 1983	<b>System Datum:</b>	Mean Sea Level
<b>Geo Datum:</b>	North American Datum 1983		Using Well Reference Point
<b>Map Zone:</b>	Colorado Northern Zone		Using geodetic scale factor

Site		SRC Cannon Pad Sec.16-T4N-R68W			
Site Position:		Northing:	1,355,779.01 ft	Latitude:	40.308934
From:	Lat/Long	Easting:	3,139,483.89 ft	Longitude:	-104.999848
Position Uncertainty:	0.0 ft	Slot Radius:	"	Grid Convergence:	0.32 °

Well	SRC Cannon K-16CHZ					
Well Position	+N-S	150.0 ft	Northing:	1,355,929.00 ft	Latitude:	40.309346
	+E-W	0.0 ft	Easting:	3,139,483.04 ft	Longitude:	-104.999848
Position Uncertainty		0.0 ft	Wellhead Elevation:	ft	Ground Level:	4,933.0 ft

<b>Wellbore</b>	Wellbore #1				
<b>Magnetics</b>	<b>Model Name</b>	<b>Sample Date</b>	<b>Declination (°)</b>	<b>Dip Angle (°)</b>	<b>Field Strength (nT)</b>
	IGRF2010	1/15/2015	8.50	66.82	52,680

<b>Design</b>	Plan #2 (1-12-15)			
<b>Audit Notes:</b>				
<b>Version:</b>	<b>Phase:</b>	PROTOTYPE	<b>Tie On Depth:</b>	0.0
<b>Vertical Section:</b>	<b>Depth From (TVD) (ft)</b>	<b>+N/-S (ft)</b>	<b>+E/-W (ft)</b>	<b>Direction (°)</b>
	0.0	0.0	0.0	284.58

<b>Plan Sections</b>										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	TFO (°)	Target
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
200.0	0.00	0.00	200.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,338.8	17.08	10.69	1,322.0	165.6	31.3	1.50	1.50	0.00	10.69	
4,431.2	17.08	10.69	4,278.0	1,058.2	199.7	0.00	0.00	0.00	0.00	
5,570.0	0.00	0.00	5,400.0	1,223.8	231.0	1.50	-1.50	0.00	180.00	
6,078.2	0.00	0.00	5,908.2	1,223.8	231.0	0.00	0.00	0.00	0.00	
7,120.6	93.81	269.45	6,543.4	1,217.3	-447.9	9.00	9.00	0.00	269.45	
11,212.6	93.81	269.45	6,271.5	1,178.3	-4,530.7	0.00	0.00	0.00	0.00	BHL 2388'FSL & 47

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<b>Company:</b>	Synergy Resources	<b>TVD Reference:</b>	WELL @ 4946.5ft (Ensign Rig #131 - RKB - 13.5')
<b>Project:</b>	SEC.16-T4N-R68W	<b>MD Reference:</b>	WELL @ 4946.5ft (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 K-16CHZ	<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 1166'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
<b>KOP - Start Build 1.50</b>									
300.0	1.50	10.69	300.0	1.3	0.2	0.1	1.50	1.50	0.00
400.0	3.00	10.69	399.9	5.1	1.0	0.4	1.50	1.50	0.00
500.0	4.50	10.69	499.7	11.6	2.2	0.8	1.50	1.50	0.00
600.0	6.00	10.69	599.3	20.6	3.9	1.4	1.50	1.50	0.00
700.0	7.50	10.69	698.6	32.1	6.1	2.2	1.50	1.50	0.00
800.0	9.00	10.69	797.5	46.2	8.7	3.2	1.50	1.50	0.00
900.0	10.50	10.69	896.1	62.9	11.9	4.3	1.50	1.50	0.00
1,000.0	12.00	10.69	994.2	82.0	15.5	5.7	1.50	1.50	0.00
1,100.0	13.50	10.69	1,091.7	103.7	19.6	7.2	1.50	1.50	0.00
1,200.0	15.00	10.69	1,188.6	127.9	24.1	8.8	1.50	1.50	0.00
1,300.0	16.50	10.69	1,284.9	154.6	29.2	10.7	1.50	1.50	0.00
1,338.8	17.08	10.69	1,322.0	165.6	31.3	11.4	1.50	1.50	0.00
1,400.0	17.08	10.69	1,380.5	183.2	34.6	12.6	0.00	0.00	0.00
1,500.0	17.08	10.69	1,476.1	212.1	40.0	14.6	0.00	0.00	0.00
1,600.0	17.08	10.69	1,571.7	241.0	45.5	16.6	0.00	0.00	0.00
1,700.0	17.08	10.69	1,667.3	269.8	50.9	18.6	0.00	0.00	0.00
1,800.0	17.08	10.69	1,762.9	298.7	56.4	20.6	0.00	0.00	0.00
1,900.0	17.08	10.69	1,858.4	327.6	61.8	22.6	0.00	0.00	0.00
2,000.0	17.08	10.69	1,954.0	356.4	67.3	24.6	0.00	0.00	0.00
2,100.0	17.08	10.69	2,049.6	385.3	72.7	26.6	0.00	0.00	0.00
2,200.0	17.08	10.69	2,145.2	414.2	78.2	28.6	0.00	0.00	0.00
2,300.0	17.08	10.69	2,240.8	443.0	83.6	30.6	0.00	0.00	0.00
2,400.0	17.08	10.69	2,336.4	471.9	89.1	32.6	0.00	0.00	0.00
2,500.0	17.08	10.69	2,432.0	500.8	94.5	34.6	0.00	0.00	0.00
2,600.0	17.08	10.69	2,527.6	529.6	100.0	36.6	0.00	0.00	0.00
2,700.0	17.08	10.69	2,623.2	558.5	105.4	38.5	0.00	0.00	0.00
2,800.0	17.08	10.69	2,718.7	587.4	110.9	40.5	0.00	0.00	0.00
2,900.0	17.08	10.69	2,814.3	616.2	116.3	42.5	0.00	0.00	0.00
3,000.0	17.08	10.69	2,909.9	645.1	121.8	44.5	0.00	0.00	0.00
3,100.0	17.08	10.69	3,005.5	674.0	127.2	46.5	0.00	0.00	0.00
3,200.0	17.08	10.69	3,101.1	702.8	132.7	48.5	0.00	0.00	0.00
3,300.0	17.08	10.69	3,196.7	731.7	138.1	50.5	0.00	0.00	0.00
3,400.0	17.08	10.69	3,292.3	760.6	143.6	52.5	0.00	0.00	0.00
3,500.0	17.08	10.69	3,387.9	789.4	149.0	54.5	0.00	0.00	0.00
3,600.0	17.08	10.69	3,483.4	818.3	154.5	56.5	0.00	0.00	0.00
3,700.0	17.08	10.69	3,579.0	847.1	159.9	58.5	0.00	0.00	0.00
3,800.0	17.08	10.69	3,674.6	876.0	165.4	60.5	0.00	0.00	0.00
3,900.0	17.08	10.69	3,770.2	904.9	170.8	62.5	0.00	0.00	0.00
4,000.0	17.08	10.69	3,865.8	933.7	176.3	64.4	0.00	0.00	0.00
4,100.0	17.08	10.69	3,961.4	962.6	181.7	66.4	0.00	0.00	0.00
4,200.0	17.08	10.69	4,057.0	991.5	187.1	68.4	0.00	0.00	0.00
4,300.0	17.08	10.69	4,152.6	1,020.3	192.6	70.4	0.00	0.00	0.00
4,400.0	17.08	10.69	4,248.2	1,049.2	198.0	72.4	0.00	0.00	0.00
4,431.2	17.08	10.69	4,278.0	1,058.2	199.7	73.0	0.00	0.00	0.00
<b>Start Drop -1.50</b>									
4,500.0	16.05	10.69	4,343.9	1,077.5	203.4	74.4	1.50	-1.50	0.00

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<b>Site:</b>	SRC Cannon Pad Sec.16-T4N-R68W	<b>North Reference:</b>	True
<b>Well:</b>	SRC Cannon K-16CHZ	<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)
4,600.0	14.55	10.69	4,440.4	1,103.4	208.3	76.2	1.50	-1.50	0.00
4,700.0	13.05	10.69	4,537.5	1,126.9	212.7	77.8	1.50	-1.50	0.00
4,800.0	11.55	10.69	4,635.2	1,147.8	216.7	79.2	1.50	-1.50	0.00
4,900.0	10.05	10.69	4,733.4	1,166.2	220.1	80.5	1.50	-1.50	0.00
5,000.0	8.55	10.69	4,832.1	1,182.1	223.1	81.6	1.50	-1.50	0.00
5,100.0	7.05	10.69	4,931.2	1,195.4	225.6	82.5	1.50	-1.50	0.00
5,200.0	5.55	10.69	5,030.6	1,206.2	227.7	83.3	1.50	-1.50	0.00
5,300.0	4.05	10.69	5,130.2	1,214.4	229.2	83.8	1.50	-1.50	0.00
5,400.0	2.55	10.69	5,230.0	1,220.1	230.3	84.2	1.50	-1.50	0.00
5,500.0	1.05	10.69	5,330.0	1,223.2	230.9	84.4	1.50	-1.50	0.00
5,570.0	0.00	10.69	5,400.0	1,223.8	231.0	84.5	1.50	-1.50	0.00
Start 508.2 hold at 5570.0 MD									
5,600.0	0.00	0.00	5,430.0	1,223.8	231.0	84.5	0.00	0.00	0.00
5,700.0	0.00	0.00	5,530.0	1,223.8	231.0	84.5	0.00	0.00	0.00
5,800.0	0.00	0.00	5,630.0	1,223.8	231.0	84.5	0.00	0.00	0.00
5,900.0	0.00	0.00	5,730.0	1,223.8	231.0	84.5	0.00	0.00	0.00
6,000.0	0.00	0.00	5,830.0	1,223.8	231.0	84.5	0.00	0.00	0.00
6,078.2	0.00	0.00	5,908.2	1,223.8	231.0	84.5	0.00	0.00	0.00
Start Build 9.00									
6,100.0	1.96	269.45	5,930.0	1,223.8	230.6	84.8	8.99	8.99	0.00
6,200.0	10.96	269.45	6,029.2	1,223.7	219.4	95.7	9.00	9.00	0.00
6,300.0	19.96	269.45	6,125.5	1,223.4	192.8	121.4	9.00	9.00	0.00
6,400.0	28.96	269.45	6,216.5	1,223.0	151.4	161.3	9.00	9.00	0.00
6,500.0	37.96	269.45	6,299.8	1,222.5	96.3	214.5	9.00	9.00	0.00
6,600.0	46.96	269.45	6,373.5	1,221.9	28.9	279.6	9.00	9.00	0.00
6,700.0	55.96	269.45	6,435.7	1,221.1	-49.2	355.0	9.00	9.00	0.00
6,800.0	64.96	269.45	6,485.0	1,220.3	-136.2	438.9	9.00	9.00	0.00
6,900.0	73.96	269.45	6,520.0	1,219.4	-229.7	529.2	9.00	9.00	0.00
7,000.0	82.96	269.45	6,540.0	1,218.5	-327.6	623.7	9.00	9.00	0.00
7,100.0	91.96	269.45	6,544.4	1,217.5	-427.4	720.1	9.00	9.00	0.00
7,120.6	93.81	269.45	6,543.4	1,217.3	-447.9	739.9	8.98	8.98	0.00
Start 4092.1 hold at 7120.6 MD - 7"									
7,200.0	93.81	269.45	6,538.1	1,216.6	-527.2	816.4	0.00	0.00	0.00
7,300.0	93.81	269.45	6,531.5	1,215.6	-626.9	912.7	0.00	0.00	0.00
7,400.0	93.81	269.45	6,524.8	1,214.7	-726.7	1,009.0	0.00	0.00	0.00
7,500.0	93.81	269.45	6,518.2	1,213.7	-826.5	1,105.4	0.00	0.00	0.00
7,600.0	93.81	269.45	6,511.6	1,212.7	-926.3	1,201.7	0.00	0.00	0.00
7,700.0	93.81	269.45	6,504.9	1,211.8	-1,026.0	1,298.0	0.00	0.00	0.00
7,800.0	93.81	269.45	6,498.3	1,210.8	-1,125.8	1,394.3	0.00	0.00	0.00
7,900.0	93.81	269.45	6,491.6	1,209.9	-1,225.6	1,490.7	0.00	0.00	0.00
8,000.0	93.81	269.45	6,485.0	1,208.9	-1,325.4	1,587.0	0.00	0.00	0.00
8,100.0	93.81	269.45	6,478.3	1,208.0	-1,425.1	1,683.3	0.00	0.00	0.00
8,200.0	93.81	269.45	6,471.7	1,207.0	-1,524.9	1,779.6	0.00	0.00	0.00
8,300.0	93.81	269.45	6,465.0	1,206.1	-1,624.7	1,875.9	0.00	0.00	0.00
8,400.0	93.81	269.45	6,458.4	1,205.1	-1,724.5	1,972.3	0.00	0.00	0.00
8,500.0	93.81	269.45	6,451.7	1,204.2	-1,824.2	2,068.6	0.00	0.00	0.00
8,600.0	93.81	269.45	6,445.1	1,203.2	-1,924.0	2,164.9	0.00	0.00	0.00
8,700.0	93.81	269.45	6,438.5	1,202.3	-2,023.8	2,261.2	0.00	0.00	0.00
8,800.0	93.81	269.45	6,431.8	1,201.3	-2,123.6	2,357.6	0.00	0.00	0.00
8,900.0	93.81	269.45	6,425.2	1,200.4	-2,223.3	2,453.9	0.00	0.00	0.00
9,000.0	93.81	269.45	6,418.5	1,199.4	-2,323.1	2,550.2	0.00	0.00	0.00

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<b>Project:</b>	SEC.16-T4N-R68W	<b>MD Reference:</b>	WELL @ 4946.5ft (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 K-16CHZ	<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)
9,100.0	93.81	269.45	6,411.9	1,198.5	-2,422.9	2,646.5	0.00	0.00	0.00
9,200.0	93.81	269.45	6,405.2	1,197.5	-2,522.6	2,742.8	0.00	0.00	0.00
9,300.0	93.81	269.45	6,398.6	1,196.5	-2,622.4	2,839.2	0.00	0.00	0.00
9,400.0	93.81	269.45	6,391.9	1,195.6	-2,722.2	2,935.5	0.00	0.00	0.00
9,500.0	93.81	269.45	6,385.3	1,194.6	-2,822.0	3,031.8	0.00	0.00	0.00
9,600.0	93.81	269.45	6,378.7	1,193.7	-2,921.7	3,128.1	0.00	0.00	0.00
9,700.0	93.81	269.45	6,372.0	1,192.7	-3,021.5	3,224.5	0.00	0.00	0.00
9,800.0	93.81	269.45	6,365.4	1,191.8	-3,121.3	3,320.8	0.00	0.00	0.00
9,900.0	93.81	269.45	6,358.7	1,190.8	-3,221.1	3,417.1	0.00	0.00	0.00
10,000.0	93.81	269.45	6,352.1	1,189.9	-3,320.8	3,513.4	0.00	0.00	0.00
10,100.0	93.81	269.45	6,345.4	1,188.9	-3,420.6	3,609.7	0.00	0.00	0.00
10,200.0	93.81	269.45	6,338.8	1,188.0	-3,520.4	3,706.1	0.00	0.00	0.00
10,300.0	93.81	269.45	6,332.1	1,187.0	-3,620.2	3,802.4	0.00	0.00	0.00
10,400.0	93.81	269.45	6,325.5	1,186.1	-3,719.9	3,898.7	0.00	0.00	0.00
10,500.0	93.81	269.45	6,318.9	1,185.1	-3,819.7	3,995.0	0.00	0.00	0.00
10,600.0	93.81	269.45	6,312.2	1,184.2	-3,919.5	4,091.4	0.00	0.00	0.00
10,700.0	93.81	269.45	6,305.6	1,183.2	-4,019.3	4,187.7	0.00	0.00	0.00
10,800.0	93.81	269.45	6,298.9	1,182.3	-4,119.0	4,284.0	0.00	0.00	0.00
10,900.0	93.81	269.45	6,292.3	1,181.3	-4,218.8	4,380.3	0.00	0.00	0.00
11,000.0	93.81	269.45	6,285.6	1,180.3	-4,318.6	4,476.6	0.00	0.00	0.00
11,100.0	93.81	269.45	6,279.0	1,179.4	-4,418.4	4,573.0	0.00	0.00	0.00
11,200.0	93.81	269.45	6,272.3	1,178.4	-4,518.1	4,669.3	0.00	0.00	0.00
11,212.6	93.81	269.45	6,271.5	1,178.3	-4,530.7	4,681.4	0.00	0.00	0.00

TD at 11212.6 - BHL 2388'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									
SHL 1166'FSL & 280'I	0.00	0.00	1.0	0.0	0.0	1,355,929.00	3,139,483.04	40.309346	-104.999848
- plan hits target center									
- Point									
BHL 2388'FSL & 475'I	0.00	0.00	6,271.5	1,178.3	-4,530.7	1,357,081.69	3,134,945.95	40.312579	-105.016094
- plan hits target center									
- Point									

#### Casing Points

Measured Depth (ft)	Vertical Depth (ft)	Name	Casing Diameter (")	Hole Diameter (")
7,120.6	6,543.4	7"	7	7-1/2

<b>Database:</b>	Landmark	<b>Local Co-ordinate Reference:</b>	Well SRC Cannon K-16CHZ
<b>Company:</b>	Synergy Resources	<b>TVD Reference:</b>	WELL @ 4946.5ft (Ensign Rig #131 - RKB - 13.5')
<b>Project:</b>	SEC.16-T4N-R68W	<b>MD Reference:</b>	WELL @ 4946.5ft (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 K-16CHZ	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Wellbore #1		
<b>Design:</b>	Plan #2 (1-12-15)		

Plan Annotations				
Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates		Comment
		+N/-S (ft)	+E/-W (ft)	
200.0	200.0	0.0	0.0	KOP - Start Build 1.50
4,431.2	4,278.0	165.6	31.3	Start Drop -1.50
5,570.0	5,400.0	1,058.2	199.7	Start 508.2 hold at 5570.0 MD
6,078.2	5,908.2	1,223.8	231.0	Start Build 9.00
7,120.6	6,543.4	1,223.8	231.0	Start 4092.1 hold at 7120.6 MD
11,212.6	6,271.5	1,217.3	-447.9	TD at 11212.6



## **Synergy Resources**

**SEC.16-T4N-R68W**

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

**SRC Cannon K-16CHZ**

**Wellbore #1**

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

## **Anticollision Report**

**15 January, 2015**





<b>Company:</b>	Synergy Resources	<b>Local Co-ordinate Reference:</b>	Well SRC Cannon K-16CHZ
<b>Project:</b>	SEC.16-T4N-R68W	<b>TVD Reference:</b>	WELL @ 4946.5ft (Ensign Rig #131 - RKB - 13.5')
<b>Reference Site:</b>	SRC Cannon Pad Sec.16-T4N-R68W	<b>MD Reference:</b>	WELL @ 4946.5ft (Ensign Rig #131 - RKB - 13.5')
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	SRC Cannon K-16CHZ	<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	
400.0	399.9	398.9	398.9	0.8	0.8	170.88	-30.0	0.0	35.2	33.6	1.58	22.221	
500.0	499.7	498.7	498.7	1.0	1.0	172.30	-30.0	0.0	41.6	39.6	2.04	20.420	
600.0	599.3	598.3	598.3	1.3	1.2	173.67	-30.0	0.0	50.7	48.2	2.50	20.322	
700.0	698.6	697.6	697.6	1.6	1.5	174.84	-30.0	0.0	62.4	59.4	2.95	21.137	
800.0	797.5	796.5	796.5	1.9	1.7	175.79	-30.0	0.0	76.7	73.3	3.41	22.493	
900.0	896.1	897.4	897.4	2.2	1.9	176.43	-28.8	0.3	92.4	88.5	3.87	23.886	
1,000.0	994.2	998.8	998.7	2.6	2.1	176.76	-25.0	1.4	108.1	103.8	4.33	24.990	
1,100.0	1,091.7	1,100.6	1,100.3	3.0	2.4	176.89	-18.6	3.2	123.8	119.0	4.79	25.844	
1,200.0	1,188.6	1,202.9	1,202.1	3.5	2.6	176.89	-9.6	5.8	139.4	134.2	5.26	26.500	
1,300.0	1,284.9	1,305.6	1,304.1	4.0	2.9	176.80	2.1	9.1	155.1	149.3	5.74	26.997	
1,338.8	1,322.0	1,345.6	1,343.7	4.2	3.0	176.74	7.4	10.6	161.1	155.2	5.93	27.149	
1,400.0	1,380.5	1,408.8	1,406.2	4.5	3.2	176.63	16.6	13.2	170.1	163.9	6.25	27.220	
1,500.0	1,476.1	1,512.7	1,508.6	5.1	3.5	176.37	33.8	18.1	182.8	176.0	6.78	26.954	
1,600.0	1,571.7	1,617.3	1,611.1	5.7	3.8	176.01	53.8	23.8	192.7	185.4	7.32	26.312	
1,700.0	1,667.3	1,717.1	1,708.6	6.2	4.2	175.63	74.3	29.6	201.2	193.4	7.87	25.554	
1,800.0	1,762.9	1,816.7	1,805.9	6.8	4.6	175.29	94.7	35.4	209.8	201.3	8.42	24.900	
1,900.0	1,858.4	1,916.4	1,903.3	7.4	5.0	174.97	115.1	41.1	218.3	209.3	8.98	24.298	
2,000.0	1,954.0	2,016.0	2,000.6	8.0	5.4	174.67	135.6	46.9	226.8	217.3	9.55	23.755	
2,100.0	2,049.6	2,115.6	2,097.9	8.5	5.8	174.40	156.0	52.7	235.4	225.3	10.12	23.264	
2,200.0	2,145.2	2,215.2	2,195.3	9.1	6.2	174.15	176.4	58.5	243.9	233.3	10.69	22.818	
2,300.0	2,240.8	2,314.9	2,292.6	9.7	6.6	173.91	196.9	64.3	252.5	241.2	11.27	22.411	
2,400.0	2,336.4	2,414.5	2,390.0	10.3	7.0	173.69	217.3	70.1	261.1	249.2	11.85	22.039	
2,500.0	2,432.0	2,514.1	2,487.3	10.9	7.5	173.48	237.7	75.9	269.6	257.2	12.43	21.697	
2,600.0	2,527.6	2,613.8	2,584.6	11.4	7.9	173.29	258.2	81.7	278.2	265.2	13.01	21.381	
2,700.0	2,623.2	2,713.4	2,682.0	12.0	8.3	173.10	278.6	87.5	286.8	273.2	13.60	21.090	
2,800.0	2,718.7	2,813.0	2,779.3	12.6	8.8	172.93	299.0	93.3	295.3	281.2	14.19	20.820	
2,900.0	2,814.3	2,912.6	2,876.6	13.2	9.2	172.77	319.5	99.1	303.9	289.1	14.78	20.570	
3,000.0	2,909.9	3,012.3	2,974.0	13.8	9.6	172.62	339.9	104.9	312.5	297.1	15.37	20.336	
3,100.0	3,005.5	3,111.9	3,071.3	14.4	10.1	172.47	360.3	110.7	321.1	305.1	15.96	20.119	
3,200.0	3,101.1	3,211.5	3,168.7	15.0	10.5	172.33	380.8	116.5	329.7	313.1	16.55	19.915	
3,300.0	3,196.7	3,311.2	3,266.0	15.5	11.0	172.20	401.2	122.3	338.3	321.1	17.15	19.724	
3,400.0	3,292.3	3,410.8	3,363.3	16.1	11.4	172.08	421.6	128.0	346.8	329.1	17.75	19.545	
3,500.0	3,387.9	3,510.4	3,460.7	16.7	11.8	171.96	442.1	133.8	355.4	337.1	18.34	19.376	
3,600.0	3,483.4	3,610.0	3,558.0	17.3	12.3	171.85	462.5	139.6	364.0	345.1	18.94	19.217	
3,700.0	3,579.0	3,709.7	3,655.4	17.9	12.7	171.74	482.9	145.4	372.6	353.1	19.54	19.067	
3,800.0	3,674.6	3,809.3	3,752.7	18.5	13.2	171.64	503.4	151.2	381.2	361.1	20.14	18.925	
3,900.0	3,770.2	3,908.9	3,850.0	19.1	13.6	171.54	523.8	157.0	389.8	369.1	20.74	18.791	
4,000.0	3,865.8	4,008.6	3,947.4	19.6	14.1	171.45	544.2	162.8	398.4	377.0	21.35	18.664	
4,100.0	3,961.4	4,108.2	4,044.7	20.2	14.5	171.36	564.7	168.6	407.0	385.0	21.95	18.543	
4,200.0	4,057.0	4,207.8	4,142.0	20.8	14.9	171.27	585.1	174.4	415.6	393.0	22.55	18.428	
4,300.0	4,152.6	4,307.4	4,239.4	21.4	15.4	171.19	605.5	180.2	424.2	401.0	23.16	18.319	
4,400.0	4,248.2	4,407.1	4,336.7	22.0	15.8	171.11	626.0	186.0	432.8	409.0	23.76	18.215	
4,431.2	4,278.0	4,438.1	4,367.1	22.2	16.0	171.08	632.3	187.8	435.5	411.5	23.95	18.183	
4,500.0	4,343.9	4,506.7	4,434.1	22.5	16.3	171.03	646.4	191.8	440.8	416.4	24.37	18.084	
4,600.0	4,440.4	4,606.6	4,531.6	23.0	16.7	170.91	666.9	197.6	446.3	421.3	24.96	17.884	
4,700.0	4,537.5	4,706.5	4,629.3	23.3	17.2	170.73	687.4	203.4	449.3	423.7	25.52	17.603	
4,800.0	4,635.2	4,800.0	4,720.7	23.7	17.6	170.51	706.4	208.8	449.8	423.8	26.04	17.275	
4,900.0	4,733.4	4,891.9	4,810.9	24.0	17.9	170.31	723.4	213.6	449.7	423.3	26.48	16.983	
5,000.0	4,832.1	4,981.7	4,899.4	24.3	18.2	170.12	738.0	217.7	449.3	422.5	26.88	16.715	
5,100.0	4,931.2	5,071.5	4,988.2	24.6	18.4	169.96	750.6	221.3	448.6	421.4	27.25	16.464	
5,200.0	5,030.6	5,161.3	5,077.3	24.8	18.6	169.80	761.1	224.3	447.6	420.1	27.58	16.231	

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 K-16CHZ
<b>Project:</b>	SEC.16-T4N-R68W	<b>TVD Reference:</b>	WELL @ 4946.5ft (Ensign Rig #131 - RKB - 13.5')
<b>Reference Site:</b>	SRC Cannon Pad Sec.16-T4N-R68W	<b>MD Reference:</b>	WELL @ 4946.5ft (Ensign Rig #131 - RKB - 13.5')
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	SRC Cannon K-16CHZ	<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:		0.0 ft
Survey Program: 0-MWD													Offset Well Error:		0.0 ft
Reference		Offset		Semi Major Axis			Distance							Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor			
5,300.0	5,130.2	5,251.2	5,166.7	25.0	18.8	169.67	769.7	226.7	446.3	418.4	27.87	16.013			
5,400.0	5,230.0	5,341.0	5,256.4	25.2	19.0	169.55	776.2	228.6	444.7	416.6	28.13	15.809			
5,500.0	5,330.0	5,431.0	5,346.2	25.3	19.2	169.45	780.7	229.9	442.8	414.4	28.35	15.618			
5,570.0	5,400.0	5,494.0	5,409.1	25.4	19.3	-179.92	782.7	230.4	441.3	397.2	44.04	10.019			
5,600.0	5,430.0	5,520.9	5,436.1	25.4	19.3	-179.94	783.2	230.6	440.7	396.6	44.11	9.991			
5,700.0	5,530.0	5,613.8	5,529.0	25.5	19.4	-179.96	783.7	230.7	440.1	395.8	44.32	9.930			
5,800.0	5,630.0	5,713.8	5,629.0	25.6	19.6	-179.96	783.7	230.7	440.1	395.5	44.56	9.878			
5,900.0	5,730.0	5,813.8	5,729.0	25.7	19.7	-179.96	783.7	230.7	440.1	395.3	44.79	9.825			
6,000.0	5,830.0	5,913.8	5,829.0	25.8	19.8	-179.96	783.7	230.7	440.1	395.1	45.03	9.773			
6,047.5	5,877.5	5,961.3	5,876.5	25.9	19.9	-179.96	783.7	230.7	440.1	394.9	45.15	9.748			
6,078.2	5,908.2	5,992.0	5,907.1	25.9	19.9	-179.95	783.7	230.6	440.1	394.9	45.22	9.732			
6,100.0	5,930.0	6,013.6	5,928.7	25.9	20.0	-89.35	783.7	229.8	440.1	409.8	30.32	14.514			
6,150.0	5,979.8	6,063.1	5,978.1	26.0	20.0	-89.23	783.7	225.3	440.1	409.7	30.43	14.462			
6,200.0	6,029.2	6,112.6	6,026.8	26.0	20.1	-89.12	783.6	216.9	440.1	409.6	30.51	14.424			
6,250.0	6,077.9	6,162.1	6,074.8	26.0	20.1	-89.01	783.5	204.9	440.1	409.6	30.57	14.396			
6,300.0	6,125.5	6,211.5	6,121.5	26.0	20.1	-88.91	783.3	189.1	440.2	409.5	30.62	14.375			
6,350.0	6,171.8	6,260.8	6,166.9	26.0	20.1	-88.81	783.1	169.8	440.2	409.5	30.66	14.355			
6,400.0	6,216.5	6,310.0	6,210.6	26.0	20.1	-88.73	782.9	147.1	440.2	409.5	30.72	14.331			
6,450.0	6,259.2	6,359.2	6,252.4	26.0	20.1	-88.65	782.7	121.1	440.2	409.4	30.80	14.294			
6,500.0	6,299.8	6,408.4	6,292.0	26.0	20.1	-88.58	782.4	92.0	440.2	409.3	30.92	14.236			
6,550.0	6,338.0	6,457.6	6,329.2	26.0	20.1	-88.51	782.1	59.9	440.2	409.1	31.12	14.147			
6,600.0	6,373.5	6,506.7	6,363.8	26.0	20.1	-88.46	781.7	25.1	440.2	408.8	31.40	14.018			
6,650.0	6,406.1	6,555.7	6,395.6	26.0	20.1	-88.42	781.4	-12.3	440.2	408.4	31.80	13.842			
6,700.0	6,435.7	6,604.8	6,424.4	26.1	20.1	-88.38	781.0	-52.0	440.2	407.9	32.34	13.613			
6,750.0	6,462.1	6,653.8	6,450.1	26.1	20.2	-88.36	780.6	-93.7	440.3	407.2	33.03	13.330			
6,800.0	6,485.0	6,702.8	6,472.4	26.2	20.3	-88.34	780.2	-137.3	440.3	406.4	33.88	12.996			
6,850.0	6,504.3	6,751.9	6,491.4	26.2	20.4	-88.34	779.8	-182.5	440.3	405.4	34.89	12.617			
6,900.0	6,520.0	6,800.9	6,506.8	26.4	20.6	-88.34	779.3	-229.0	440.3	404.2	36.08	12.203			
6,950.0	6,531.9	6,850.0	6,518.6	26.5	20.9	-88.36	778.9	-276.7	440.3	402.8	37.42	11.764			
7,000.0	6,540.0	6,898.9	6,526.7	26.7	21.3	-88.38	778.4	-325.0	440.2	401.3	38.91	11.315			
7,050.0	6,544.2	6,948.0	6,531.0	27.0	21.8	-88.42	777.9	-373.8	440.2	399.7	40.52	10.866			
7,100.0	6,544.4	6,997.1	6,531.6	27.4	22.5	-88.46	777.5	-422.9	440.2	398.0	42.23	10.425			
7,120.6	6,543.4	7,017.2	6,530.8	27.5	22.8	-88.48	777.3	-443.0	440.2	397.3	42.96	10.248			
7,200.0	6,538.1	7,096.6	6,525.7	28.3	24.2	-88.51	776.5	-522.2	440.2	394.2	45.98	9.573			
7,300.0	6,531.5	7,196.6	6,519.3	29.6	26.1	-88.54	775.6	-622.0	440.2	390.1	50.09	8.788			
7,400.0	6,524.8	7,296.6	6,512.9	31.2	28.2	-88.57	774.6	-721.8	440.2	385.7	54.47	8.082			
7,500.0	6,518.2	7,396.6	6,506.5	33.0	30.4	-88.60	773.7	-821.6	440.2	381.2	59.05	7.455			
7,600.0	6,511.6	7,496.6	6,500.1	35.1	32.7	-88.64	772.7	-921.4	440.2	376.4	63.79	6.900			
7,700.0	6,504.9	7,596.6	6,493.7	37.2	35.1	-88.67	771.8	-1,021.2	440.2	371.5	68.66	6.411			
7,800.0	6,498.3	7,696.6	6,487.3	39.5	37.5	-88.70	770.8	-1,121.0	440.2	366.5	73.64	5.977			
7,900.0	6,491.6	7,796.6	6,480.9	41.8	40.0	-88.73	769.8	-1,220.8	440.2	361.5	78.70	5.593			
8,000.0	6,485.0	7,896.6	6,474.5	44.2	42.5	-88.76	768.9	-1,320.5	440.2	356.3	83.83	5.251			
8,100.0	6,478.3	7,996.6	6,468.1	46.7	45.1	-88.80	767.9	-1,420.3	440.2	351.2	89.01	4.945			
8,200.0	6,471.7	8,096.6	6,461.7	49.2	47.7	-88.83	767.0	-1,520.1	440.2	345.9	94.24	4.670			
8,300.0	6,465.0	8,196.6	6,455.3	51.7	50.3	-88.86	766.0	-1,619.9	440.2	340.6	99.51	4.423			
8,400.0	6,458.4	8,296.6	6,448.9	54.2	52.9	-88.89	765.1	-1,719.7	440.1	335.3	104.82	4.199			
8,500.0	6,451.7	8,396.6	6,442.5	56.8	55.6	-88.92	764.1	-1,819.5	440.1	330.0	110.15	3.996			
8,600.0	6,445.1	8,496.6	6,436.1	59.4	58.2	-88.95	763.2	-1,919.3	440.1	324.6	115.51	3.810			
8,700.0	6,438.5	8,596.6	6,429.7	62.0	60.9	-88.99	762.2	-2,019.1	440.1	319.2	120.89	3.641			
8,800.0	6,431.8	8,696.6	6,423.3	64.7	63.6	-89.02	761.3	-2,118.9	440.1	313.8	126.29	3.485			

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 K-16CHZ
<b>Project:</b>	SEC.16-T4N-R68W	<b>TVD Reference:</b>	WELL @ 4946.5ft (Ensign Rig #131 - RKB - 13.5')
<b>Reference Site:</b>	SRC Cannon Pad Sec.16-T4N-R68W	<b>MD Reference:</b>	WELL @ 4946.5ft (Ensign Rig #131 - RKB - 13.5')
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	SRC Cannon K-16CHZ	<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:		0.0 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			
8,900.0	6,425.2	8,796.6	6,416.9	67.3	66.3	-89.05	760.3	-2,218.7	440.1	308.4	131.71	3.342			
9,000.0	6,418.5	8,896.6	6,410.5	70.0	69.0	-89.08	759.4	-2,318.4	440.1	303.0	137.14	3.209			
9,100.0	6,411.9	8,996.6	6,404.1	72.6	71.7	-89.11	758.4	-2,418.2	440.1	297.5	142.59	3.087			
9,200.0	6,405.2	9,096.6	6,397.7	75.3	74.4	-89.14	757.5	-2,518.0	440.1	292.1	148.04	2.973			
9,300.0	6,398.6	9,196.6	6,391.3	78.0	77.1	-89.18	756.5	-2,617.8	440.1	286.6	153.51	2.867			
9,400.0	6,391.9	9,296.6	6,384.9	80.7	79.8	-89.21	755.6	-2,717.6	440.1	281.1	158.98	2.768			
9,500.0	6,385.3	9,396.6	6,378.5	83.4	82.6	-89.24	754.6	-2,817.4	440.1	275.6	164.47	2.676			
9,600.0	6,378.7	9,496.6	6,372.1	86.1	85.3	-89.27	753.7	-2,917.2	440.1	270.1	169.96	2.589			
9,700.0	6,372.0	9,596.6	6,365.7	88.8	88.0	-89.30	752.7	-3,017.0	440.1	264.6	175.46	2.508			
9,800.0	6,365.4	9,696.6	6,359.3	91.6	90.8	-89.34	751.7	-3,116.8	440.1	259.1	180.96	2.432			
9,900.0	6,358.7	9,796.6	6,352.9	94.3	93.5	-89.37	750.8	-3,216.6	440.1	253.6	186.47	2.360			
10,000.0	6,352.1	9,896.6	6,346.5	97.0	96.3	-89.40	749.8	-3,316.3	440.1	248.1	191.99	2.292			
10,100.0	6,345.4	9,996.6	6,340.1	99.7	99.0	-89.43	748.9	-3,416.1	440.1	242.6	197.51	2.228			
10,200.0	6,338.8	10,096.6	6,333.7	102.5	101.8	-89.46	747.9	-3,515.9	440.1	237.0	203.03	2.168			
10,300.0	6,332.1	10,196.6	6,327.3	105.2	104.5	-89.49	747.0	-3,615.7	440.1	231.5	208.56	2.110			
10,400.0	6,325.5	10,296.6	6,320.9	107.9	107.3	-89.53	746.0	-3,715.5	440.1	226.0	214.09	2.056			
10,500.0	6,318.9	10,396.6	6,314.5	110.7	110.1	-89.56	745.1	-3,815.3	440.1	220.4	219.62	2.004			
10,600.0	6,312.2	10,496.6	6,308.1	113.4	112.8	-89.59	744.1	-3,915.1	440.1	214.9	225.16	1.954			
10,700.0	6,305.6	10,596.6	6,301.7	116.2	115.6	-89.62	743.2	-4,014.9	440.1	209.4	230.70	1.907			
10,800.0	6,298.9	10,696.6	6,295.3	118.9	118.3	-89.65	742.2	-4,114.7	440.1	203.8	236.25	1.863			
10,900.0	6,292.3	10,796.6	6,288.9	121.7	121.1	-89.69	741.3	-4,214.5	440.1	198.3	241.79	1.820			
11,000.0	6,285.6	10,896.6	6,282.5	124.4	123.9	-89.72	740.3	-4,314.2	440.1	192.7	247.34	1.779			
11,100.0	6,279.0	10,996.6	6,276.1	127.2	126.6	-89.75	739.4	-4,414.0	440.1	187.2	252.89	1.740			
11,200.0	6,272.3	11,096.6	6,269.7	130.0	129.4	-89.78	738.4	-4,513.8	440.1	181.6	258.45	1.703			
11,212.6	6,271.5	11,109.2	6,268.9	130.2	129.8	-89.79	738.3	-4,526.4	440.1	181.0	259.02	1.699 SF			

<b>Company:</b>	Synergy Resources	<b>Local Co-ordinate Reference:</b>	Well SRC Cannon K-16CHZ
<b>Project:</b>	SEC.16-T4N-R68W	<b>TVD Reference:</b>	WELL @ 4946.5ft (Ensign Rig #131 - RKB - 13.5')
<b>Reference Site:</b>	SRC Cannon Pad Sec.16-T4N-R68W	<b>MD Reference:</b>	WELL @ 4946.5ft (Ensign Rig #131 - RKB - 13.5')
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	SRC Cannon K-16CHZ	<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 13-16NHZ - 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	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	66.754	
200.0	200.0	200.0	200.0	0.3	0.3	-180.00	-15.0	0.0	15.0	14.3	0.67	22.251	CC, ES
300.0	300.0	300.0	300.0	0.6	0.6	170.16	-15.0	0.0	16.3	15.2	1.13	14.443	
400.0	399.9	399.9	399.9	0.8	0.8	172.06	-15.0	0.0	20.2	18.6	1.58	12.732	
500.0	499.7	500.4	500.4	1.0	1.0	173.58	-13.7	0.3	25.4	23.3	2.04	12.450	
600.0	599.3	601.0	600.9	1.3	1.2	174.41	-9.9	1.2	30.6	28.1	2.49	12.282	
700.0	698.6	701.7	701.4	1.6	1.5	174.83	-3.4	2.6	35.8	32.8	2.94	12.149	
800.0	797.5	802.6	801.8	1.9	1.7	175.01	5.7	4.7	41.0	37.6	3.41	12.029	
900.0	896.1	903.6	902.1	2.2	2.0	175.03	17.3	7.3	46.2	42.3	3.87	11.910	
1,000.0	994.2	1,004.7	1,002.2	2.6	2.3	174.93	31.6	10.6	51.3	47.0	4.35	11.787	
1,100.0	1,091.7	1,106.0	1,102.0	3.0	2.6	174.75	48.4	14.4	56.5	51.6	4.84	11.656	
1,200.0	1,188.6	1,207.4	1,201.4	3.5	3.0	174.50	67.9	18.8	61.6	56.2	5.35	11.515	
1,300.0	1,284.9	1,309.0	1,300.4	4.0	3.4	174.21	90.0	23.8	66.7	60.8	5.87	11.363	
1,338.8	1,322.0	1,348.5	1,338.8	4.2	3.6	174.09	99.2	25.9	68.6	62.6	6.07	11.299	
1,400.0	1,380.5	1,410.5	1,398.8	4.5	3.9	173.84	114.6	29.4	71.2	64.8	6.42	11.101	
1,500.0	1,476.1	1,510.4	1,495.3	5.1	4.3	173.42	139.8	35.1	75.0	68.0	6.99	10.729	
1,600.0	1,571.7	1,610.4	1,591.8	5.7	4.8	173.04	165.1	40.9	78.7	71.1	7.57	10.397	
1,700.0	1,667.3	1,710.3	1,688.3	6.2	5.3	172.69	190.3	46.6	82.4	74.2	8.15	10.104	
1,800.0	1,762.9	1,810.2	1,784.8	6.8	5.8	172.38	215.5	52.3	86.1	77.4	8.75	9.844	
1,900.0	1,858.4	1,910.2	1,881.4	7.4	6.3	172.09	240.8	58.0	89.8	80.5	9.35	9.612	
2,000.0	1,954.0	2,010.1	1,977.9	8.0	6.8	171.82	266.0	63.8	93.6	83.6	9.95	9.404	
2,100.0	2,049.6	2,110.0	2,074.4	8.5	7.4	171.57	291.3	69.5	97.3	86.7	10.56	9.217	
2,200.0	2,145.2	2,209.9	2,170.9	9.1	7.9	171.34	316.5	75.2	101.0	89.9	11.17	9.048	
2,300.0	2,240.8	2,309.9	2,267.4	9.7	8.4	171.13	341.7	80.9	104.8	93.0	11.78	8.894	
2,400.0	2,336.4	2,409.8	2,364.0	10.3	8.9	170.93	367.0	86.7	108.5	96.1	12.40	8.753	
2,500.0	2,432.0	2,509.7	2,460.5	10.9	9.4	170.75	392.2	92.4	112.2	99.2	13.01	8.624	
2,600.0	2,527.6	2,609.7	2,557.0	11.4	9.9	170.57	417.5	98.1	116.0	102.3	13.63	8.506	
2,700.0	2,623.2	2,709.6	2,653.5	12.0	10.5	170.41	442.7	103.8	119.7	105.5	14.26	8.397	
2,800.0	2,718.7	2,809.5	2,750.0	12.6	11.0	170.26	468.0	109.6	123.4	108.6	14.88	8.296	
2,900.0	2,814.3	2,909.5	2,846.6	13.2	11.5	170.12	493.2	115.3	127.2	111.7	15.51	8.203	
3,000.0	2,909.9	3,009.4	2,943.1	13.8	12.0	169.98	518.4	121.0	130.9	114.8	16.13	8.116	
3,100.0	3,005.5	3,109.3	3,039.6	14.4	12.6	169.85	543.7	126.7	134.7	117.9	16.76	8.035	
3,200.0	3,101.1	3,209.2	3,136.1	15.0	13.1	169.73	568.9	132.5	138.4	121.0	17.39	7.959	
3,300.0	3,196.7	3,309.2	3,232.6	15.5	13.6	169.62	594.2	138.2	142.1	124.1	18.02	7.889	
3,400.0	3,292.3	3,409.1	3,329.2	16.1	14.1	169.51	619.4	143.9	145.9	127.2	18.65	7.822	
3,500.0	3,387.9	3,509.0	3,425.7	16.7	14.6	169.41	644.6	149.7	149.6	130.4	19.28	7.760	
3,600.0	3,483.4	3,609.0	3,522.2	17.3	15.2	169.31	669.9	155.4	153.4	133.5	19.92	7.701	
3,700.0	3,579.0	3,708.9	3,618.7	17.9	15.7	169.22	695.1	161.1	157.1	136.6	20.55	7.646	
3,800.0	3,674.6	3,808.8	3,715.2	18.5	16.2	169.13	720.4	166.8	160.9	139.7	21.18	7.594	
3,900.0	3,770.2	3,908.8	3,811.8	19.1	16.8	169.04	745.6	172.6	164.6	142.8	21.82	7.544	
4,000.0	3,865.8	4,008.7	3,908.3	19.6	17.3	168.96	770.8	178.3	168.4	145.9	22.46	7.497	
4,100.0	3,961.4	4,108.6	4,004.8	20.2	17.8	168.88	796.1	184.0	172.1	149.0	23.09	7.453	
4,200.0	4,057.0	4,208.5	4,101.3	20.8	18.3	168.81	821.3	189.7	175.8	152.1	23.73	7.411	
4,300.0	4,152.6	4,308.5	4,197.8	21.4	18.9	168.74	846.6	195.5	179.6	155.2	24.37	7.370	
4,400.0	4,248.2	4,408.4	4,294.4	22.0	19.4	168.67	871.8	201.2	183.3	158.3	25.00	7.332	
4,431.2	4,278.0	4,438.9	4,323.8	22.2	19.5	168.65	879.5	202.9	184.5	159.3	25.20	7.324	
4,500.0	4,343.9	4,504.6	4,387.5	22.5	19.8	168.64	895.3	206.5	187.3	161.7	25.60	7.318	
4,600.0	4,440.4	4,600.0	4,480.4	23.0	20.2	168.63	916.4	211.3	191.2	165.1	26.10	7.327	
4,700.0	4,537.5	4,695.1	4,573.6	23.3	20.5	168.65	935.2	215.6	195.0	168.5	26.57	7.341	
4,800.0	4,635.2	4,790.3	4,667.2	23.7	20.8	168.68	951.7	219.3	198.7	171.7	27.00	7.360	

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 K-16CHZ
<b>Project:</b>	SEC.16-T4N-R68W	<b>TVD Reference:</b>	WELL @ 4946.5ft (Ensign Rig #131 - RKB - 13.5')
<b>Reference Site:</b>	SRC Cannon Pad Sec.16-T4N-R68W	<b>MD Reference:</b>	WELL @ 4946.5ft (Ensign Rig #131 - RKB - 13.5')
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	SRC Cannon K-16CHZ	<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 13-16NHZ - 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		
4,900.0	4,733.4	4,885.4	4,761.2	24.0	21.1	168.72	965.9	222.5	202.2	174.8	27.38	7.384		
5,000.0	4,832.1	4,980.4	4,855.4	24.3	21.3	168.78	977.9	225.3	205.5	177.8	27.73	7.412		
5,100.0	4,931.2	5,075.3	4,949.8	24.6	21.6	168.86	987.5	227.4	208.8	180.7	28.04	7.445		
5,200.0	5,030.6	5,170.2	5,044.4	24.8	21.8	168.94	994.8	229.1	211.8	183.5	28.31	7.482		
5,300.0	5,130.2	5,265.0	5,139.0	25.0	21.9	169.04	999.9	230.2	214.7	186.2	28.54	7.524		
5,400.0	5,230.0	5,359.7	5,233.7	25.2	22.0	169.16	1,002.6	230.9	217.5	188.8	28.73	7.571		
5,500.0	5,330.0	5,456.0	5,330.0	25.3	22.1	169.28	1,003.2	231.0	220.0	191.1	28.89	7.615		
5,570.0	5,400.0	5,526.0	5,400.0	25.4	22.2	-180.00	1,003.2	231.0	220.6	173.6	47.03	4.690		
5,600.0	5,430.0	5,556.0	5,430.0	25.4	22.3	-180.00	1,003.2	231.0	220.6	173.5	47.10	4.684		
5,700.0	5,530.0	5,656.0	5,530.0	25.5	22.4	-180.00	1,003.2	231.0	220.6	173.3	47.31	4.663		
5,800.0	5,630.0	5,756.0	5,630.0	25.6	22.5	-180.00	1,003.2	231.0	220.6	173.1	47.52	4.642		
5,900.0	5,730.0	5,856.0	5,730.0	25.7	22.6	-180.00	1,003.2	231.0	220.6	172.9	47.74	4.621		
5,948.9	5,778.9	5,905.0	5,778.9	25.8	22.7	-180.00	1,003.2	231.0	220.6	172.8	47.84	4.611		
6,000.0	5,830.0	5,955.8	5,829.7	25.8	22.7	-179.61	1,003.2	229.5	220.6	172.6	47.99	4.597		
6,078.2	5,908.2	6,032.4	5,905.6	25.9	22.8	-177.06	1,003.1	219.7	221.0	172.6	48.37	4.570		
6,100.0	5,930.0	6,053.3	5,926.1	25.9	22.8	-85.48	1,003.0	215.4	221.3	191.1	30.21	7.325		
6,150.0	5,979.8	6,100.0	5,971.3	26.0	22.8	-83.18	1,002.9	203.5	222.2	192.2	30.07	7.391		
6,200.0	6,029.2	6,147.6	6,016.2	26.0	22.8	-80.88	1,002.8	188.0	223.5	193.5	29.98	7.455		
6,250.0	6,077.9	6,193.9	6,058.8	26.0	22.8	-78.71	1,002.6	169.7	225.1	195.1	29.95	7.514		
6,300.0	6,125.5	6,239.7	6,099.4	26.0	22.8	-76.63	1,002.4	148.6	226.9	196.9	29.98	7.569		
6,350.0	6,171.8	6,284.9	6,138.0	26.0	22.8	-74.67	1,002.2	124.9	228.9	198.9	30.04	7.621		
6,400.0	6,216.5	6,329.8	6,174.4	26.0	22.8	-72.83	1,001.9	98.9	231.1	201.0	30.12	7.672		
6,450.0	6,259.2	6,374.2	6,208.6	26.0	22.8	-71.11	1,001.7	70.6	233.4	203.2	30.21	7.725		
6,500.0	6,299.8	6,418.2	6,240.5	26.0	22.8	-69.53	1,001.4	40.3	235.7	205.4	30.29	7.781		
6,550.0	6,338.0	6,461.9	6,270.0	26.0	22.8	-68.08	1,001.1	8.1	238.0	207.6	30.37	7.838		
6,600.0	6,373.5	6,505.2	6,297.1	26.0	22.8	-66.77	1,000.8	-25.8	240.3	209.8	30.42	7.898		
6,650.0	6,406.1	6,550.0	6,322.5	26.0	22.8	-65.56	1,000.4	-62.7	242.4	211.9	30.49	7.950		
6,700.0	6,435.7	6,591.2	6,343.5	26.1	22.9	-64.56	1,000.1	-98.1	244.4	213.8	30.57	7.995		
6,750.0	6,462.1	6,633.8	6,362.8	26.1	22.9	-63.66	999.7	-136.0	246.3	215.5	30.71	8.020		
6,800.0	6,485.0	6,676.2	6,379.5	26.2	23.0	-62.89	999.4	-175.1	247.9	217.0	30.90	8.021		
6,850.0	6,504.3	6,718.5	6,393.5	26.2	23.1	-62.26	999.0	-214.9	249.3	218.1	31.19	7.992		
6,900.0	6,520.0	6,760.7	6,404.8	26.4	23.3	-61.75	998.6	-255.6	250.4	218.8	31.58	7.929		
6,950.0	6,531.9	6,800.0	6,412.9	26.5	23.5	-61.40	998.2	-294.0	251.3	219.2	32.07	7.836		
7,000.0	6,540.0	6,844.8	6,419.2	26.7	23.7	-61.14	997.8	-338.3	251.8	219.0	32.77	7.684		
7,050.0	6,544.2	6,886.7	6,422.2	27.0	24.1	-61.03	997.4	-380.2	252.1	218.5	33.59	7.504		
7,100.0	6,544.4	6,928.7	6,422.5	27.4	24.5	-61.05	997.0	-422.1	252.0	217.4	34.56	7.291		
7,120.6	6,543.4	6,945.9	6,421.8	27.5	24.7	-61.10	996.9	-439.4	251.9	216.9	35.00	7.197		
7,140.9	6,542.1	6,964.4	6,420.6	27.7	24.9	-61.11	996.7	-457.8	251.9	216.2	35.64	7.067		
7,200.0	6,538.1	7,023.5	6,416.6	28.3	25.7	-61.08	996.1	-516.8	251.9	214.3	37.60	6.699		
7,300.0	6,531.5	7,123.5	6,409.8	29.6	27.3	-61.04	995.2	-616.5	252.0	210.8	41.18	6.120		
7,400.0	6,524.8	7,223.5	6,402.9	31.2	29.1	-61.00	994.3	-716.3	252.1	207.1	45.01	5.601		
7,500.0	6,518.2	7,323.5	6,396.1	33.0	31.2	-60.97	993.3	-816.0	252.2	203.1	49.03	5.143		
7,600.0	6,511.6	7,423.5	6,389.3	35.1	33.4	-60.93	992.4	-915.8	252.2	199.0	53.20	4.741		
7,700.0	6,504.9	7,523.5	6,382.4	37.2	35.7	-60.89	991.4	-1,015.6	252.3	194.8	57.49	4.389		
7,800.0	6,498.3	7,623.5	6,375.6	39.5	38.1	-60.85	990.5	-1,115.3	252.4	190.5	61.86	4.080		
7,900.0	6,491.6	7,723.5	6,368.8	41.8	40.5	-60.81	989.6	-1,215.1	252.5	186.2	66.31	3.808		
8,000.0	6,485.0	7,823.5	6,361.9	44.2	43.0	-60.77	988.6	-1,314.8	252.6	181.8	70.82	3.567		
8,100.0	6,478.3	7,923.5	6,355.1	46.7	45.5	-60.73	987.7	-1,414.6	252.7	177.3	75.37	3.352		
8,200.0	6,471.7	8,023.5	6,348.2	49.2	48.0	-60.69	986.7	-1,514.4	252.7	172.8	79.96	3.161		
8,300.0	6,465.0	8,123.5	6,341.4	51.7	50.6	-60.65	985.8	-1,614.1	252.8	168.2	84.58	2.989		

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 K-16CHZ
<b>Project:</b>	SEC.16-T4N-R68W	<b>TVD Reference:</b>	WELL @ 4946.5ft (Ensign Rig #131 - RKB - 13.5')
<b>Reference Site:</b>	SRC Cannon Pad Sec.16-T4N-R68W	<b>MD Reference:</b>	WELL @ 4946.5ft (Ensign Rig #131 - RKB - 13.5')
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	SRC Cannon K-16CHZ	<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 13-16NHZ - 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		
8,400.0	6,458.4	8,223.5	6,334.6	54.2	53.2	-60.61	984.9	-1,713.9	252.9	163.7	89.23	2.834		
8,500.0	6,451.7	8,323.5	6,327.7	56.8	55.8	-60.57	983.9	-1,813.7	253.0	159.1	93.90	2.694		
8,600.0	6,445.1	8,423.5	6,320.9	59.4	58.5	-60.53	983.0	-1,913.4	253.1	154.5	98.58	2.567		
8,700.0	6,438.5	8,523.5	6,314.1	62.0	61.1	-60.49	982.0	-2,013.2	253.2	149.9	103.28	2.451		
8,800.0	6,431.8	8,623.5	6,307.2	64.7	63.8	-60.45	981.1	-2,112.9	253.2	145.2	108.00	2.345		
8,900.0	6,425.2	8,723.5	6,300.4	67.3	66.4	-60.42	980.1	-2,212.7	253.3	140.6	112.72	2.247		
9,000.0	6,418.5	8,823.5	6,293.6	70.0	69.1	-60.38	979.2	-2,312.5	253.4	136.0	117.45	2.158		
9,100.0	6,411.9	8,923.5	6,286.7	72.6	71.8	-60.34	978.3	-2,412.2	253.5	131.3	122.19	2.075		
9,200.0	6,405.2	9,023.5	6,279.9	75.3	74.5	-60.30	977.3	-2,512.0	253.6	126.6	126.94	1.998		
9,300.0	6,398.6	9,123.5	6,273.0	78.0	77.2	-60.26	976.4	-2,611.7	253.7	122.0	131.69	1.926		
9,400.0	6,391.9	9,223.5	6,266.2	80.7	79.9	-60.22	975.4	-2,711.5	253.8	117.3	136.45	1.860		
9,500.0	6,385.3	9,323.5	6,259.4	83.4	82.7	-60.18	974.5	-2,811.3	253.8	112.6	141.20	1.798		
9,600.0	6,378.7	9,423.5	6,252.5	86.1	85.4	-60.14	973.6	-2,911.0	253.9	108.0	145.96	1.740		
9,700.0	6,372.0	9,523.5	6,245.7	88.8	88.1	-60.10	972.6	-3,010.8	254.0	103.3	150.73	1.685		
9,800.0	6,365.4	9,623.5	6,238.9	91.6	90.8	-60.06	971.7	-3,110.6	254.1	98.6	155.49	1.634		
9,900.0	6,358.7	9,723.5	6,232.0	94.3	93.6	-60.03	970.7	-3,210.3	254.2	93.9	160.26	1.586		
10,000.0	6,352.1	9,823.5	6,225.2	97.0	96.3	-59.99	969.8	-3,310.1	254.3	89.2	165.02	1.541		
10,100.0	6,345.4	9,923.5	6,218.4	99.7	99.1	-59.95	968.9	-3,409.8	254.4	84.6	169.79	1.498 Level 3		
10,200.0	6,338.8	10,023.5	6,211.5	102.5	101.8	-59.91	967.9	-3,509.6	254.4	79.9	174.56	1.458 Level 3		
10,300.0	6,332.1	10,123.5	6,204.7	105.2	104.6	-59.87	967.0	-3,609.4	254.5	75.2	179.32	1.419 Level 3		
10,400.0	6,325.5	10,223.5	6,197.8	107.9	107.3	-59.83	966.0	-3,709.1	254.6	70.5	184.09	1.383 Level 3		
10,500.0	6,318.9	10,323.5	6,191.0	110.7	110.1	-59.79	965.1	-3,808.9	254.7	65.8	188.86	1.349 Level 3		
10,600.0	6,312.2	10,423.5	6,184.2	113.4	112.8	-59.75	964.2	-3,908.6	254.8	61.2	193.62	1.316 Level 3		
10,700.0	6,305.6	10,523.5	6,177.3	116.2	115.6	-59.72	963.2	-4,008.4	254.9	56.5	198.38	1.285 Level 3		
10,800.0	6,298.9	10,623.5	6,170.5	118.9	118.3	-59.68	962.3	-4,108.2	255.0	51.8	203.14	1.255 Level 3		
10,900.0	6,292.3	10,723.5	6,163.7	121.7	121.1	-59.64	961.3	-4,207.9	255.0	47.1	207.90	1.227 Level 2		
11,000.0	6,285.6	10,823.5	6,156.8	124.4	123.9	-59.60	960.4	-4,307.7	255.1	42.5	212.66	1.200 Level 2		
11,100.0	6,279.0	10,923.5	6,150.0	127.2	126.6	-59.56	959.4	-4,407.4	255.2	37.8	217.42	1.174 Level 2		
11,200.0	6,272.3	11,023.5	6,143.2	130.0	129.4	-59.52	958.5	-4,507.2	255.3	33.1	222.17	1.149 Level 2		
11,212.6	6,271.5	11,036.1	6,142.3	130.2	129.7	-59.52	958.4	-4,519.8	255.3	32.6	222.66	1.147 Level 2, SF		

<b>Company:</b>	Synergy Resources	<b>Local Co-ordinate Reference:</b>	Well SRC Cannon K-16CHZ
<b>Project:</b>	SEC.16-T4N-R68W	<b>TVD Reference:</b>	WELL @ 4946.5ft (Ensign Rig #131 - RKB - 13.5')
<b>Reference Site:</b>	SRC Cannon Pad Sec.16-T4N-R68W	<b>MD Reference:</b>	WELL @ 4946.5ft (Ensign Rig #131 - RKB - 13.5')
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	SRC Cannon K-16CHZ	<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		
0.0	0.0	0.0	0.0	0.0	0.0	-180.00	-150.0	0.0	150.1					
100.0	100.0	96.0	96.0	0.1	0.1	-180.00	-150.0	0.0	150.0	149.8	0.22	681.068		
200.0	200.0	196.0	196.0	0.3	0.3	-180.00	-150.0	0.0	150.0	149.4	0.67	225.497 CC, ES		
300.0	300.0	296.0	296.0	0.6	0.6	169.40	-150.0	0.0	151.3	150.2	1.12	135.212		
400.0	399.9	395.9	395.9	0.8	0.8	169.66	-150.0	0.0	155.2	153.6	1.58	98.504		
500.0	499.7	491.9	491.9	1.0	1.0	169.93	-151.1	0.3	162.7	160.7	2.00	81.156		
600.0	599.3	587.1	587.0	1.3	1.2	170.08	-154.4	1.2	175.2	172.8	2.43	72.044		
700.0	698.6	681.2	681.0	1.6	1.3	170.12	-160.0	2.8	192.6	189.7	2.87	67.093		
800.0	797.5	774.0	773.4	1.9	1.6	170.07	-167.7	4.9	214.8	211.5	3.32	64.743		
900.0	896.1	865.1	863.9	2.2	1.8	169.96	-177.3	7.6	241.8	238.0	3.77	64.103 SF		
1,000.0	994.2	954.2	952.2	2.6	2.1	169.81	-188.7	10.7	273.4	269.2	4.23	64.623		
1,100.0	1,091.7	1,041.1	1,038.1	3.0	2.3	169.62	-201.7	14.3	309.5	304.8	4.69	65.949		
1,200.0	1,188.6	1,125.5	1,121.2	3.5	2.6	169.42	-216.2	18.3	350.0	344.8	5.16	67.846		
1,300.0	1,284.9	1,208.5	1,202.5	4.0	2.9	169.21	-232.2	22.8	394.7	389.0	5.63	70.125		
1,338.8	1,322.0	1,241.4	1,234.7	4.2	3.1	169.13	-238.8	24.6	413.0	407.2	5.81	71.060		
1,400.0	1,380.5	1,295.2	1,287.2	4.5	3.3	169.10	-249.7	27.6	442.1	436.0	6.11	72.308		
1,500.0	1,476.1	1,383.1	1,373.2	5.1	3.7	169.07	-267.5	32.6	489.8	483.2	6.61	74.136		
1,600.0	1,571.7	1,471.0	1,459.2	5.7	4.1	169.05	-285.3	37.5	537.4	530.3	7.10	75.674		
1,700.0	1,667.3	1,559.0	1,545.1	6.2	4.4	169.03	-303.1	42.4	585.1	577.5	7.62	76.830		
1,800.0	1,762.9	1,646.9	1,631.1	6.8	4.8	169.01	-320.9	47.4	632.7	624.6	8.12	77.889		
1,900.0	1,858.4	1,734.8	1,717.0	7.4	5.2	168.99	-338.7	52.3	680.4	671.7	8.64	78.766		
2,000.0	1,954.0	1,822.7	1,803.0	8.0	5.6	168.98	-356.5	57.2	728.0	718.9	9.16	79.512		
2,100.0	2,049.6	1,910.6	1,888.9	8.5	6.0	168.97	-374.3	62.2	775.7	766.0	9.68	80.153		
2,200.0	2,145.2	1,998.5	1,974.9	9.1	6.4	168.96	-392.1	67.1	823.3	813.1	10.20	80.707		
2,300.0	2,240.8	2,086.5	2,060.8	9.7	6.8	168.95	-409.9	72.0	871.0	860.3	10.73	81.189		
2,400.0	2,336.4	2,174.4	2,146.8	10.3	7.2	168.94	-427.7	77.0	918.6	907.4	11.26	81.612		
2,500.0	2,432.0	2,262.3	2,232.8	10.9	7.6	168.93	-445.5	81.9	966.3	954.5	11.79	81.985		



<b>Company:</b>	Synergy Resources	<b>Local Co-ordinate Reference:</b>	Well SRC Cannon K-16CHZ
<b>Project:</b>	SEC.16-T4N-R68W	<b>TVD Reference:</b>	WELL @ 4946.5ft (Ensign Rig #131 - RKB - 13.5')
<b>Reference Site:</b>	SRC Cannon Pad Sec.16-T4N-R68W	<b>MD Reference:</b>	WELL @ 4946.5ft (Ensign Rig #131 - RKB - 13.5')
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	SRC Cannon K-16CHZ	<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: 0.0ft
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	-135.0	0.0	135.1					
100.0	100.0	96.0	96.0	0.1	0.1	-180.00	-135.0	0.0	135.0	134.8	0.22	612.823		
200.0	200.0	196.0	196.0	0.3	0.3	-180.00	-135.0	0.0	135.0	134.3	0.67	202.901 CC, ES		
300.0	300.0	296.0	296.0	0.6	0.6	169.41	-135.0	0.0	136.3	135.2	1.12	121.779		
400.0	399.9	395.9	395.9	0.8	0.8	169.69	-135.0	0.0	140.1	138.6	1.58	88.961		
500.0	499.7	495.7	495.7	1.0	1.0	170.13	-135.0	0.0	146.6	144.5	2.03	72.143		
600.0	599.3	595.3	595.3	1.3	1.2	170.69	-135.0	0.0	155.6	153.1	2.49	62.519		
700.0	698.6	694.6	694.6	1.6	1.4	171.31	-135.0	0.0	167.2	164.3	2.95	56.743		
800.0	797.5	793.5	793.5	1.9	1.7	171.97	-135.0	0.0	181.4	178.0	3.41	53.265		
900.0	896.1	887.9	887.9	2.2	1.9	172.47	-135.9	0.3	199.2	195.3	3.84	51.878 SF		
1,000.0	994.2	980.6	980.6	2.6	2.0	172.71	-139.0	1.5	221.7	217.4	4.26	51.988		
1,100.0	1,091.7	1,071.8	1,071.5	3.0	2.2	172.75	-144.1	3.3	248.8	244.1	4.70	52.990		
1,200.0	1,188.6	1,161.0	1,160.4	3.5	2.4	172.64	-151.0	5.9	280.5	275.4	5.14	54.626		
1,300.0	1,284.9	1,248.0	1,246.9	4.0	2.6	172.43	-159.6	9.1	316.6	311.1	5.58	56.728		
1,338.8	1,322.0	1,281.1	1,279.9	4.2	2.7	172.33	-163.4	10.5	331.8	326.1	5.76	57.645		
1,400.0	1,380.5	1,332.8	1,331.1	4.5	2.8	172.20	-169.8	12.8	356.6	350.6	6.04	59.031		
1,500.0	1,476.1	1,416.0	1,413.3	5.1	3.0	171.93	-181.5	17.2	398.6	392.1	6.51	61.213		
1,600.0	1,571.7	1,498.0	1,494.1	5.7	3.3	171.62	-194.7	22.0	442.4	435.4	6.99	63.250		
1,700.0	1,667.3	1,587.5	1,582.1	6.2	3.6	171.29	-209.8	27.6	487.0	479.5	7.49	65.058		
1,800.0	1,762.9	1,677.0	1,670.1	6.8	3.9	171.01	-225.0	33.2	531.6	523.7	7.98	66.602		
1,900.0	1,858.4	1,766.4	1,758.1	7.4	4.2	170.78	-240.1	38.8	576.3	567.8	8.48	67.940		
2,000.0	1,954.0	1,855.9	1,846.1	8.0	4.5	170.58	-255.3	44.4	620.9	611.9	9.00	69.011		
2,100.0	2,049.6	1,945.4	1,934.1	8.5	4.9	170.41	-270.4	50.0	665.5	656.0	9.51	70.003		
2,200.0	2,145.2	2,034.8	2,022.1	9.1	5.2	170.26	-285.6	55.6	710.2	700.2	10.02	70.851		
2,300.0	2,240.8	2,124.3	2,110.1	9.7	5.5	170.12	-300.7	61.1	754.8	744.3	10.54	71.592		
2,400.0	2,336.4	2,213.8	2,198.1	10.3	5.9	170.00	-315.9	66.7	799.5	788.4	11.07	72.245		
2,500.0	2,432.0	2,303.2	2,286.1	10.9	6.2	169.90	-331.1	72.3	844.1	832.5	11.59	72.822		
2,600.0	2,527.6	2,392.7	2,374.1	11.4	6.6	169.80	-346.2	77.9	888.8	876.7	12.12	73.336		
2,700.0	2,623.2	2,482.2	2,462.1	12.0	6.9	169.72	-361.4	83.5	933.4	920.8	12.65	73.795		
2,800.0	2,718.7	2,571.6	2,550.1	12.6	7.3	169.64	-376.5	89.1	978.1	964.9	13.18	74.207		

<b>Company:</b>	Synergy Resources	<b>Local Co-ordinate Reference:</b>	Well SRC Cannon K-16CHZ
<b>Project:</b>	SEC.16-T4N-R68W	<b>TVD Reference:</b>	WELL @ 4946.5ft (Ensign Rig #131 - RKB - 13.5')
<b>Reference Site:</b>	SRC Cannon Pad Sec.16-T4N-R68W	<b>MD Reference:</b>	WELL @ 4946.5ft (Ensign Rig #131 - RKB - 13.5')
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	SRC Cannon K-16CHZ	<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	-119.8	0.0	119.8					
100.0	100.0	97.0	97.0	0.1	0.1	-180.00	-119.8	0.0	119.8	119.5	0.22	540.932		
200.0	200.0	197.0	197.0	0.3	0.3	-180.00	-119.8	0.0	119.8	119.1	0.67	179.405 CC, ES		
300.0	300.0	297.0	297.0	0.6	0.6	169.42	-119.8	0.0	121.0	119.9	1.12	107.954		
400.0	399.9	396.9	396.9	0.8	0.8	169.74	-119.8	0.0	124.9	123.3	1.58	79.182		
500.0	499.7	496.7	496.7	1.0	1.0	170.23	-119.8	0.0	131.4	129.3	2.03	64.578		
600.0	599.3	596.3	596.3	1.3	1.2	170.85	-119.8	0.0	140.4	137.9	2.49	56.353		
700.0	698.6	695.6	695.6	1.6	1.5	171.52	-119.8	0.0	152.0	149.0	2.95	51.542		
800.0	797.5	794.5	794.5	1.9	1.7	172.22	-119.8	0.0	166.2	162.8	3.41	48.770		
900.0	896.1	893.1	893.1	2.2	1.9	172.91	-119.8	0.0	183.0	179.1	3.87	47.311		
1,000.0	994.2	991.2	991.2	2.6	2.1	173.56	-119.8	0.0	202.4	198.0	4.33	46.745 SF		
1,100.0	1,091.7	1,084.6	1,084.5	3.0	2.3	173.99	-120.6	0.5	225.1	220.4	4.77	47.232		
1,200.0	1,188.6	1,176.0	1,176.0	3.5	2.5	174.10	-123.3	2.0	252.4	247.2	5.20	48.580		
1,300.0	1,284.9	1,265.7	1,265.5	4.0	2.6	173.97	-127.9	4.5	284.0	278.3	5.63	50.448		
1,338.8	1,322.0	1,300.0	1,299.7	4.2	2.7	173.87	-130.1	5.7	297.4	291.6	5.80	51.283		
1,400.0	1,380.5	1,353.4	1,352.9	4.5	2.8	173.70	-134.1	7.9	319.4	313.3	6.08	52.533		
1,500.0	1,476.1	1,439.7	1,438.8	5.1	3.0	173.33	-141.9	12.2	356.8	350.2	6.54	54.514		
1,600.0	1,571.7	1,524.7	1,523.0	5.7	3.2	172.86	-151.3	17.3	395.9	388.9	7.02	56.398		
1,700.0	1,667.3	1,615.2	1,612.7	6.2	3.4	172.35	-162.4	23.4	436.1	428.6	7.51	58.085		
1,800.0	1,762.9	1,706.7	1,703.2	6.8	3.7	171.92	-173.6	29.6	476.4	468.4	8.00	59.533		
1,900.0	1,858.4	1,798.1	1,793.8	7.4	3.9	171.56	-184.8	35.8	516.7	508.2	8.50	60.762		
2,000.0	1,954.0	1,889.6	1,884.4	8.0	4.2	171.25	-196.0	41.9	557.0	548.0	9.01	61.815		
2,100.0	2,049.6	1,981.1	1,975.0	8.5	4.5	170.98	-207.2	48.1	597.3	587.8	9.53	62.708		
2,200.0	2,145.2	2,072.6	2,065.6	9.1	4.8	170.74	-218.4	54.3	637.7	627.6	10.04	63.505		
2,300.0	2,240.8	2,164.1	2,156.1	9.7	5.1	170.54	-229.6	60.4	678.0	667.4	10.56	64.194		
2,400.0	2,336.4	2,255.5	2,246.7	10.3	5.4	170.35	-240.8	66.6	718.3	707.2	11.09	64.800		
2,500.0	2,432.0	2,347.0	2,337.3	10.9	5.6	170.19	-252.0	72.8	758.7	747.1	11.61	65.336		
2,600.0	2,527.6	2,438.5	2,427.9	11.4	5.9	170.04	-263.2	78.9	799.0	786.9	12.14	65.812		
2,700.0	2,623.2	2,530.0	2,518.5	12.0	6.2	169.91	-274.5	85.1	839.4	826.7	12.67	66.237		
2,800.0	2,718.7	2,621.5	2,609.0	12.6	6.5	169.79	-285.7	91.3	879.7	866.5	13.21	66.618		
2,900.0	2,814.3	2,712.9	2,699.6	13.2	6.9	169.68	-296.9	97.5	920.1	906.4	13.74	66.962		
3,000.0	2,909.9	2,804.4	2,790.2	13.8	7.2	169.58	-308.1	103.6	960.5	946.2	14.28	67.272		

<b>Company:</b>	Synergy Resources	<b>Local Co-ordinate Reference:</b>	Well SRC Cannon K-16CHZ
<b>Project:</b>	SEC.16-T4N-R68W	<b>TVD Reference:</b>	WELL @ 4946.5ft (Ensign Rig #131 - RKB - 13.5')
<b>Reference Site:</b>	SRC Cannon Pad Sec.16-T4N-R68W	<b>MD Reference:</b>	WELL @ 4946.5ft (Ensign Rig #131 - RKB - 13.5')
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	SRC Cannon K-16CHZ	<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 24-16NHZ - 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	
0.0	0.0	0.0	0.0	0.0	0.0	-180.00	-105.0	0.0	105.0					
100.0	100.0	97.0	97.0	0.1	0.1	-180.00	-105.0	0.0	105.0	104.8	0.22	474.235		
200.0	200.0	197.0	197.0	0.3	0.3	-180.00	-105.0	0.0	105.0	104.3	0.67	157.284 CC, ES		
300.0	300.0	297.0	297.0	0.6	0.6	169.44	-105.0	0.0	106.3	105.2	1.12	94.785		
400.0	399.9	396.9	396.9	0.8	0.8	169.80	-105.0	0.0	110.1	108.6	1.58	69.821		
500.0	499.7	496.7	496.7	1.0	1.0	170.36	-105.0	0.0	116.6	114.6	2.03	57.319		
600.0	599.3	596.3	596.3	1.3	1.2	171.03	-105.0	0.0	125.6	123.1	2.49	50.428		
700.0	698.6	695.6	695.6	1.6	1.5	171.77	-105.0	0.0	137.2	134.3	2.95	46.541		
800.0	797.5	794.5	794.5	1.9	1.7	172.52	-105.0	0.0	151.5	148.1	3.41	44.447		
900.0	896.1	893.1	893.1	2.2	1.9	173.24	-105.0	0.0	168.3	164.4	3.87	43.507		
1,000.0	994.2	991.2	991.2	2.6	2.1	173.91	-105.0	0.0	187.7	183.3	4.33	43.351 SF		
1,100.0	1,091.7	1,088.7	1,088.7	3.0	2.3	174.52	-105.0	0.0	209.6	204.8	4.79	43.748		
1,200.0	1,188.6	1,185.6	1,185.6	3.5	2.6	175.06	-105.0	0.0	234.1	228.9	5.26	44.550		
1,300.0	1,284.9	1,281.9	1,281.9	4.0	2.8	175.54	-105.0	0.0	261.2	255.5	5.72	45.651		
1,338.8	1,322.0	1,319.0	1,319.0	4.2	2.9	175.71	-105.0	0.0	272.4	266.5	5.90	46.145		
1,400.0	1,380.5	1,377.5	1,377.5	4.5	3.0	175.98	-105.0	0.0	290.3	284.1	6.20	46.821		
1,500.0	1,476.1	1,469.7	1,469.7	5.1	3.2	176.24	-105.4	0.5	320.0	313.3	6.67	47.979		
1,600.0	1,571.7	1,560.2	1,560.1	5.7	3.3	176.16	-107.3	2.5	351.0	343.9	7.13	49.234		
1,700.0	1,667.3	1,649.8	1,649.6	6.2	3.5	175.82	-110.5	6.0	383.3	375.7	7.59	50.497		
1,800.0	1,762.9	1,738.4	1,737.9	6.8	3.7	175.29	-115.1	11.0	416.9	408.8	8.06	51.724		
1,900.0	1,858.4	1,826.0	1,825.1	7.4	3.9	174.62	-121.1	17.5	451.8	443.3	8.54	52.910		
2,000.0	1,954.0	1,914.1	1,912.5	8.0	4.1	173.84	-128.3	25.4	488.1	479.1	9.04	54.018		
2,100.0	2,049.6	2,006.9	2,004.5	8.5	4.3	173.07	-136.4	34.2	524.8	515.3	9.55	54.979		
2,200.0	2,145.2	2,099.7	2,096.6	9.1	4.5	172.41	-144.5	42.9	561.6	551.5	10.06	55.800		
2,300.0	2,240.8	2,192.5	2,188.6	9.7	4.8	171.82	-152.5	51.7	598.5	587.9	10.59	56.504		
2,400.0	2,336.4	2,285.3	2,280.6	10.3	5.0	171.31	-160.6	60.5	635.4	624.2	11.12	57.112		
2,500.0	2,432.0	2,378.1	2,372.7	10.9	5.3	170.85	-168.7	69.3	672.3	660.6	11.66	57.640		
2,600.0	2,527.6	2,470.9	2,464.7	11.4	5.5	170.44	-176.8	78.0	709.3	697.1	12.21	58.104		
2,700.0	2,623.2	2,563.7	2,556.7	12.0	5.8	170.07	-184.8	86.8	746.3	733.5	12.75	58.511		
2,800.0	2,718.7	2,656.5	2,648.8	12.6	6.1	169.73	-192.9	95.6	783.3	770.0	13.31	58.870		
2,900.0	2,814.3	2,749.3	2,740.8	13.2	6.4	169.42	-201.0	104.4	820.3	806.5	13.86	59.188		
3,000.0	2,909.9	2,842.1	2,832.8	13.8	6.6	169.14	-209.0	113.2	857.4	843.0	14.42	59.471		
3,100.0	3,005.5	2,934.9	2,924.9	14.4	6.9	168.89	-217.1	121.9	894.5	879.5	14.98	59.725		
3,200.0	3,101.1	3,027.7	3,016.9	15.0	7.2	168.65	-225.2	130.7	931.6	916.0	15.54	59.952		
3,300.0	3,196.7	3,120.5	3,108.9	15.5	7.5	168.43	-233.3	139.5	968.7	952.6	16.10	60.157		

<b>Company:</b>	Synergy Resources	<b>Local Co-ordinate Reference:</b>	Well SRC Cannon K-16CHZ
<b>Project:</b>	SEC.16-T4N-R68W	<b>TVD Reference:</b>	WELL @ 4946.5ft (Ensign Rig #131 - RKB - 13.5')
<b>Reference Site:</b>	SRC Cannon Pad Sec.16-T4N-R68W	<b>MD Reference:</b>	WELL @ 4946.5ft (Ensign Rig #131 - RKB - 13.5')
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	SRC Cannon K-16CHZ	<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 (1-15-15)													Offset Site Error:	0.0ft
Survey Program: 0-MWD													Offset Well Error:	0.0ft
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference	Offset	Semi Major Axis	Highside Toolface (°)	Offset Wellbore Centre	+N/-S (ft)	+E/-W (ft)	Distance	Minimum Separation (ft)	Separation Factor	Warning
				(ft)	(ft)						Between Centres (ft)	Between Ellipses (ft)		
0.0	0.0	0.0	0.0	0.0	0.0	180.00		-60.0	0.0	60.0				
100.0	100.0	98.0	98.0	0.1	0.1	180.00		-60.0	0.0	60.0	59.8	0.22	269.617	
200.0	200.0	198.0	198.0	0.3	0.3	180.00		-60.0	0.0	60.0	59.3	0.67	89.572 CC, ES	
300.0	300.0	298.0	298.0	0.6	0.6	169.53		-60.0	0.0	61.3	60.2	1.12	54.544	
400.0	399.9	397.9	397.9	0.8	0.8	170.15		-60.0	0.0	65.1	63.6	1.58	41.239	
500.0	499.7	497.7	497.7	1.0	1.0	171.03		-60.0	0.0	71.6	69.6	2.04	35.164	
600.0	599.3	597.3	597.3	1.3	1.2	172.03		-60.0	0.0	80.7	78.2	2.49	32.350	
700.0	698.6	696.6	696.6	1.6	1.5	173.02		-60.0	0.0	92.3	89.4	2.95	31.284	
800.0	797.5	795.5	795.5	1.9	1.7	173.93		-60.0	0.0	106.6	103.2	3.41	31.261	
900.0	896.1	894.1	894.1	2.2	1.9	174.74		-60.0	0.0	123.4	119.6	3.87	31.906	
1,000.0	994.2	992.2	992.2	2.6	2.1	175.43		-60.0	0.0	142.9	138.5	4.33	33.002	
1,100.0	1,091.7	1,089.7	1,089.7	3.0	2.3	176.02		-60.0	0.0	164.9	160.1	4.79	34.414	
1,200.0	1,188.6	1,186.6	1,186.6	3.5	2.6	176.51		-60.0	0.0	189.4	184.2	5.25	36.053	
1,300.0	1,284.9	1,282.9	1,282.9	4.0	2.8	176.93		-60.0	0.0	216.5	210.8	5.72	37.859	
1,338.8	1,322.0	1,320.0	1,320.0	4.2	2.9	177.07		-60.0	0.0	227.7	221.8	5.90	38.596	
1,400.0	1,380.5	1,378.5	1,378.5	4.5	3.0	177.28		-60.0	0.0	245.7	239.5	6.20	39.640	
1,500.0	1,476.1	1,479.4	1,479.4	5.1	3.2	177.52		-59.3	0.4	274.3	267.6	6.69	40.976	
1,600.0	1,571.7	1,583.2	1,583.1	5.7	3.4	177.53		-56.2	2.2	300.6	293.4	7.20	41.774	
1,700.0	1,667.3	1,688.3	1,688.0	6.2	3.7	177.34		-50.6	5.4	324.4	316.7	7.71	42.093	
1,800.0	1,762.9	1,794.6	1,793.9	6.8	3.9	176.99		-42.3	10.1	345.7	337.5	8.23	42.009	
1,900.0	1,858.4	1,902.1	1,900.6	7.4	4.2	176.51		-31.4	16.3	364.5	355.7	8.77	41.585	
2,000.0	1,954.0	2,010.5	2,007.9	8.0	4.5	175.89		-17.7	24.1	380.8	371.4	9.32	40.874	
2,100.0	2,049.6	2,111.7	2,107.8	8.5	4.7	175.24		-3.2	32.4	395.2	385.3	9.86	40.065	
2,200.0	2,145.2	2,210.6	2,205.3	9.1	5.0	174.65		11.0	40.6	409.6	399.2	10.41	39.330	
2,300.0	2,240.8	2,309.5	2,302.8	9.7	5.3	174.10		25.3	48.7	424.1	413.1	10.97	38.641	
2,400.0	2,336.4	2,408.4	2,400.3	10.3	5.6	173.58		39.5	56.8	438.5	427.0	11.54	38.003	
2,500.0	2,432.0	2,507.2	2,497.8	10.9	6.0	173.10		53.8	65.0	453.0	440.9	12.11	37.409	
2,600.0	2,527.6	2,606.1	2,595.3	11.4	6.3	172.65		68.0	73.1	467.6	454.9	12.69	36.855	
2,700.0	2,623.2	2,705.0	2,692.8	12.0	6.6	172.22		82.3	81.2	482.2	468.9	13.27	36.338	
2,800.0	2,718.7	2,803.8	2,790.3	12.6	6.9	171.82		96.5	89.4	496.8	482.9	13.86	35.854	
2,900.0	2,814.3	2,902.7	2,887.8	13.2	7.3	171.45		110.8	97.5	511.4	496.9	14.45	35.400	
3,000.0	2,909.9	3,001.6	2,985.3	13.8	7.6	171.09		125.0	105.6	526.0	511.0	15.04	34.975	
3,100.0	3,005.5	3,100.5	3,082.8	14.4	8.0	170.75		139.3	113.8	540.7	525.0	15.64	34.575	
3,200.0	3,101.1	3,199.3	3,180.3	15.0	8.3	170.43		153.5	121.9	555.4	539.1	16.24	34.198	
3,300.0	3,196.7	3,298.2	3,277.8	15.5	8.7	170.13		167.8	130.0	570.1	553.2	16.84	33.843	
3,400.0	3,292.3	3,397.1	3,375.3	16.1	9.0	169.84		182.0	138.2	584.8	567.3	17.45	33.508	
3,500.0	3,387.9	3,495.9	3,472.8	16.7	9.4	169.57		196.3	146.3	599.5	581.4	18.06	33.191	
3,600.0	3,483.4	3,594.8	3,570.3	17.3	9.7	169.31		210.5	154.4	614.2	595.5	18.67	32.891	
3,700.0	3,579.0	3,693.7	3,667.8	17.9	10.1	169.06		224.8	162.6	629.0	609.7	19.29	32.606	
3,800.0	3,674.6	3,792.6	3,765.3	18.5	10.4	168.82		239.0	170.7	643.7	623.8	19.91	32.337	
3,900.0	3,770.2	3,891.4	3,862.8	19.1	10.8	168.60		253.3	178.8	658.5	638.0	20.53	32.080	
4,000.0	3,865.8	3,990.3	3,960.3	19.6	11.2	168.38		267.5	187.0	673.3	652.1	21.15	31.836	
4,100.0	3,961.4	4,089.2	4,057.8	20.2	11.5	168.17		281.8	195.1	688.0	666.3	21.77	31.604	
4,200.0	4,057.0	4,188.0	4,155.3	20.8	11.9	167.98		296.0	203.2	702.8	680.4	22.40	31.383	
4,300.0	4,152.6	4,274.7	4,240.8	21.4	12.2	167.84		307.9	210.0	718.4	695.4	22.95	31.299	
4,400.0	4,248.2	4,359.3	4,324.7	22.0	12.4	167.79		317.8	215.7	735.8	712.3	23.47	31.355	
4,431.2	4,278.0	4,385.6	4,350.8	22.2	12.5	167.79		320.6	217.3	741.6	718.0	23.62	31.396	
4,500.0	4,343.9	4,443.5	4,408.3	22.5	12.6	167.85		326.1	220.4	754.5	730.5	23.97	31.480	
4,600.0	4,440.4	4,527.4	4,491.9	23.0	12.8	167.96		332.8	224.2	772.6	748.2	24.42	31.643	
4,700.0	4,537.5	4,611.2	4,575.4	23.3	13.0	168.10		337.9	227.1	790.1	765.3	24.83	31.819	
4,800.0	4,635.2	4,700.0	4,664.2	23.7	13.1	168.28		341.5	229.2	807.0	781.8	25.22	31.998	

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 K-16CHZ
<b>Project:</b>	SEC.16-T4N-R68W	<b>TVD Reference:</b>	WELL @ 4946.5ft (Ensign Rig #131 - RKB - 13.5')
<b>Reference Site:</b>	SRC Cannon Pad Sec.16-T4N-R68W	<b>MD Reference:</b>	WELL @ 4946.5ft (Ensign Rig #131 - RKB - 13.5')
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	SRC Cannon K-16CHZ	<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 (1-15-15)											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)							
4,900.0	4,733.4	4,778.0	4,742.2	24.0	13.3	168.46	343.2	230.2	823.1	797.6	25.55	32.211			
5,000.0	4,832.1	4,866.0	4,830.1	24.3	13.4	168.69	343.6	230.4	838.5	812.6	25.87	32.407			
5,100.0	4,931.2	4,965.0	4,929.2	24.6	13.6	168.91	343.6	230.4	851.8	825.6	26.21	32.498			
5,200.0	5,030.6	5,064.4	5,028.6	24.8	13.7	169.08	343.6	230.4	862.6	836.1	26.54	32.505			
5,300.0	5,130.2	5,164.1	5,128.2	25.0	13.9	169.21	343.6	230.4	870.8	844.0	26.85	32.438			
5,400.0	5,230.0	5,263.9	5,228.0	25.2	14.1	169.29	343.6	230.4	876.5	849.3	27.13	32.302			
5,500.0	5,330.0	5,363.9	5,328.0	25.3	14.3	169.34	343.6	230.4	879.6	852.2	27.40	32.097			
5,570.0	5,400.0	5,433.9	5,398.0	25.4	14.4	-179.96	343.6	230.4	880.2	841.2	38.96	22.594			
5,600.0	5,430.0	5,463.8	5,428.0	25.4	14.4	-179.96	343.6	230.4	880.2	841.2	39.04	22.545			
5,700.0	5,530.0	5,563.8	5,528.0	25.5	14.6	-179.96	343.6	230.4	880.2	840.9	39.32	22.384			
5,800.0	5,630.0	5,663.8	5,628.0	25.6	14.8	-179.96	343.6	230.4	880.2	840.6	39.61	22.222			
5,900.0	5,730.0	5,763.8	5,728.0	25.7	15.0	-179.96	343.6	230.4	880.2	840.3	39.90	22.062			
6,000.0	5,830.0	5,863.8	5,828.0	25.8	15.2	-179.96	343.6	230.4	880.2	840.0	40.19	21.902			
6,040.3	5,870.3	5,904.2	5,868.3	25.9	15.2	-179.96	343.6	230.4	880.2	839.9	40.30	21.838			
6,078.2	5,908.2	5,941.7	5,905.8	25.9	15.3	-179.93	343.6	229.9	880.2	839.8	40.41	21.779			
6,100.0	5,930.0	5,963.1	5,927.2	25.9	15.3	-89.33	343.6	228.7	880.2	850.7	29.54	29.800			
6,150.0	5,979.8	6,012.2	5,976.0	26.0	15.4	-89.21	343.5	223.3	880.2	850.6	29.65	29.687			
6,200.0	6,029.2	6,061.2	6,024.1	26.0	15.4	-89.09	343.5	214.1	880.3	850.5	29.74	29.603			
6,250.0	6,077.9	6,110.0	6,071.2	26.0	15.5	-88.98	343.3	201.4	880.3	850.5	29.80	29.539			
6,300.0	6,125.5	6,158.8	6,117.1	26.0	15.5	-88.87	343.2	185.0	880.3	850.5	29.85	29.489			
6,350.0	6,171.8	6,207.4	6,161.5	26.0	15.5	-88.77	343.0	165.3	880.3	850.4	29.90	29.441			
6,400.0	6,216.5	6,255.9	6,204.2	26.0	15.5	-88.68	342.8	142.3	880.4	850.4	29.96	29.382			
6,450.0	6,259.2	6,304.3	6,244.9	26.0	15.5	-88.60	342.5	116.2	880.4	850.3	30.05	29.294			
6,500.0	6,299.8	6,352.6	6,283.5	26.0	15.5	-88.52	342.2	87.1	880.4	850.2	30.19	29.160			
6,550.0	6,338.0	6,400.0	6,319.1	26.0	15.5	-88.46	342.0	55.8	880.5	850.1	30.40	28.962			
6,600.0	6,373.5	6,449.0	6,353.3	26.0	15.5	-88.40	341.6	20.8	880.5	849.8	30.71	28.673			
6,650.0	6,406.1	6,497.1	6,384.2	26.0	15.5	-88.36	341.3	-16.1	880.5	849.4	31.13	28.285			
6,700.0	6,435.7	6,545.2	6,412.2	26.1	15.5	-88.32	340.9	-55.1	880.5	848.8	31.69	27.787			
6,750.0	6,462.1	6,593.2	6,437.2	26.1	15.6	-88.29	340.5	-96.2	880.5	848.1	32.40	27.178			
6,800.0	6,485.0	6,641.2	6,458.9	26.2	16.0	-88.27	340.1	-139.0	880.5	847.2	33.27	26.464			
6,850.0	6,504.3	6,689.2	6,477.4	26.2	16.6	-88.27	339.7	-183.2	880.5	846.2	34.31	25.661			
6,900.0	6,520.0	6,737.2	6,492.5	26.4	17.2	-88.27	339.3	-228.8	880.5	845.0	35.52	24.790			
6,950.0	6,531.9	6,785.2	6,504.2	26.5	18.0	-88.28	338.8	-275.3	880.5	843.6	36.88	23.875			
7,000.0	6,540.0	6,833.2	6,512.2	26.7	18.7	-88.31	338.4	-322.7	880.5	842.1	38.38	22.941			
7,050.0	6,544.2	6,881.3	6,516.7	27.0	19.6	-88.34	337.9	-370.5	880.5	840.5	40.00	22.011			
7,100.0	6,544.4	6,929.4	6,517.6	27.4	20.5	-88.38	337.5	-418.6	880.4	838.7	41.72	21.103			
7,120.6	6,543.4	6,950.0	6,516.9	27.5	20.9	-88.41	337.3	-439.2	880.4	838.0	42.47	20.732			
7,155.6	6,541.1	6,983.9	6,514.8	27.8	21.5	-88.42	336.9	-473.0	880.4	836.6	43.79	20.108			
7,200.0	6,538.1	7,028.3	6,512.1	28.3	22.4	-88.43	336.5	-517.3	880.4	834.9	45.52	19.340			
7,300.0	6,531.5	7,128.3	6,505.8	29.6	24.5	-88.46	335.6	-617.1	880.4	830.7	49.67	17.725			
7,400.0	6,524.8	7,228.3	6,499.6	31.2	26.8	-88.48	334.6	-716.9	880.4	826.3	54.08	16.280			
7,500.0	6,518.2	7,328.3	6,493.4	33.0	29.1	-88.51	333.7	-816.7	880.4	821.7	58.69	15.001			
7,600.0	6,511.6	7,428.3	6,487.1	35.1	31.5	-88.54	332.7	-916.5	880.3	816.9	63.46	13.873			
7,700.0	6,504.9	7,528.3	6,480.9	37.2	34.0	-88.57	331.8	-1,016.3	880.3	812.0	68.35	12.879			
7,800.0	6,498.3	7,628.3	6,474.7	39.5	36.5	-88.59	330.9	-1,116.1	880.3	806.9	73.35	12.001			
7,900.0	6,491.6	7,728.3	6,468.5	41.8	39.1	-88.62	329.9	-1,215.9	880.3	801.9	78.43	11.224			
8,000.0	6,485.0	7,828.3	6,462.2	44.2	41.7	-88.65	329.0	-1,315.7	880.3	796.7	83.57	10.533			
8,100.0	6,478.3	7,928.3	6,456.0	46.7	44.3	-88.68	328.0	-1,415.5	880.2	791.5	88.77	9.916			
8,200.0	6,471.7	8,028.3	6,449.8	49.2	46.9	-88.70	327.1	-1,515.3	880.2	786.2	94.01	9.363			
8,300.0	6,465.0	8,128.3	6,443.6	51.7	49.5	-88.73	326.1	-1,615.1	880.2	780.9	99.30	8.864			

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 K-16CHZ
<b>Project:</b>	SEC.16-T4N-R68W	<b>TVD Reference:</b>	WELL @ 4946.5ft (Ensign Rig #131 - RKB - 13.5')
<b>Reference Site:</b>	SRC Cannon Pad Sec.16-T4N-R68W	<b>MD Reference:</b>	WELL @ 4946.5ft (Ensign Rig #131 - RKB - 13.5')
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	SRC Cannon K-16CHZ	<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 (1-15-15)				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			
8,400.0	6,458.4	8,228.3	6,437.3	54.2	52.2	-88.76	325.2	-1,714.9	880.2	775.6	104.61	8.414			
8,500.0	6,451.7	8,328.3	6,431.1	56.8	54.9	-88.78	324.2	-1,814.7	880.2	770.2	109.95	8.005			
8,600.0	6,445.1	8,428.3	6,424.9	59.4	57.6	-88.81	323.3	-1,914.5	880.2	764.8	115.32	7.632			
8,700.0	6,438.5	8,528.3	6,418.7	62.0	60.3	-88.84	322.4	-2,014.3	880.1	759.4	120.71	7.291			
8,800.0	6,431.8	8,628.3	6,412.4	64.7	63.0	-88.87	321.4	-2,114.1	880.1	754.0	126.12	6.979			
8,900.0	6,425.2	8,728.3	6,406.2	67.3	65.7	-88.89	320.5	-2,213.9	880.1	748.6	131.54	6.691			
9,000.0	6,418.5	8,828.3	6,400.0	70.0	68.4	-88.92	319.5	-2,313.7	880.1	743.1	136.98	6.425			
9,100.0	6,411.9	8,928.3	6,393.7	72.6	71.2	-88.95	318.6	-2,413.5	880.1	737.6	142.43	6.179			
9,200.0	6,405.2	9,028.3	6,387.5	75.3	73.9	-88.98	317.6	-2,513.3	880.1	732.2	147.89	5.951			
9,300.0	6,398.6	9,128.3	6,381.3	78.0	76.6	-89.00	316.7	-2,613.1	880.0	726.7	153.36	5.738			
9,400.0	6,391.9	9,228.3	6,375.1	80.7	79.4	-89.03	315.7	-2,712.9	880.0	721.2	158.84	5.540			
9,500.0	6,385.3	9,328.3	6,368.8	83.4	82.1	-89.06	314.8	-2,812.7	880.0	715.7	164.32	5.355			
9,600.0	6,378.7	9,428.3	6,362.6	86.1	84.9	-89.08	313.9	-2,912.5	880.0	710.2	169.82	5.182			
9,700.0	6,372.0	9,528.3	6,356.4	88.8	87.6	-89.11	312.9	-3,012.3	880.0	704.7	175.32	5.019			
9,800.0	6,365.4	9,628.3	6,350.2	91.6	90.4	-89.14	312.0	-3,112.1	880.0	699.1	180.83	4.866			
9,900.0	6,358.7	9,728.3	6,343.9	94.3	93.1	-89.17	311.0	-3,211.9	879.9	693.6	186.34	4.722			
10,000.0	6,352.1	9,828.3	6,337.7	97.0	95.9	-89.19	310.1	-3,311.7	879.9	688.1	191.86	4.586			
10,100.0	6,345.4	9,928.3	6,331.5	99.7	98.6	-89.22	309.1	-3,411.5	879.9	682.5	197.38	4.458			
10,200.0	6,338.8	10,028.3	6,325.2	102.5	101.4	-89.25	308.2	-3,511.3	879.9	677.0	202.91	4.336			
10,300.0	6,332.1	10,128.3	6,319.0	105.2	104.2	-89.27	307.2	-3,611.1	879.9	671.5	208.44	4.221			
10,400.0	6,325.5	10,228.3	6,312.8	107.9	106.9	-89.30	306.3	-3,710.9	879.9	665.9	213.97	4.112			
10,500.0	6,318.9	10,328.3	6,306.6	110.7	109.7	-89.33	305.4	-3,810.7	879.9	660.4	219.51	4.008			
10,600.0	6,312.2	10,428.3	6,300.3	113.4	112.5	-89.36	304.4	-3,910.5	879.8	654.8	225.05	3.910			
10,700.0	6,305.6	10,528.3	6,294.1	116.2	115.3	-89.38	303.5	-4,010.4	879.8	649.2	230.59	3.816			
10,800.0	6,298.9	10,628.3	6,287.9	118.9	118.0	-89.41	302.5	-4,110.2	879.8	643.7	236.14	3.726			
10,900.0	6,292.3	10,728.3	6,281.7	121.7	120.8	-89.44	301.6	-4,210.0	879.8	638.1	241.68	3.640			
11,000.0	6,285.6	10,828.3	6,275.4	124.4	123.6	-89.47	300.6	-4,309.8	879.8	632.6	247.23	3.559			
11,100.0	6,279.0	10,928.3	6,269.2	127.2	126.4	-89.49	299.7	-4,409.6	879.8	627.0	252.79	3.480			
11,200.0	6,272.3	11,028.3	6,263.0	130.0	129.1	-89.52	298.7	-4,509.4	879.8	621.4	258.34	3.405			
11,212.6	6,271.5	11,040.9	6,262.2	130.2	129.5	-89.52	298.6	-4,521.9	879.8	620.9	258.92	3.398 SF			

<b>Company:</b>	Synergy Resources	<b>Local Co-ordinate Reference:</b>	Well SRC Cannon K-16CHZ
<b>Project:</b>	SEC.16-T4N-R68W	<b>TVD Reference:</b>	WELL @ 4946.5ft (Ensign Rig #131 - RKB - 13.5')
<b>Reference Site:</b>	SRC Cannon Pad Sec.16-T4N-R68W	<b>MD Reference:</b>	WELL @ 4946.5ft (Ensign Rig #131 - RKB - 13.5')
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	SRC Cannon K-16CHZ	<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:	0.0ft
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	201.176		
200.0	200.0	199.0	199.0	0.3	0.3	-180.00	-45.0	0.0	45.0	44.3	0.67	66.947 CC, ES		
300.0	300.0	299.0	299.0	0.6	0.6	169.61	-45.0	0.0	46.3	45.2	1.13	41.108		
400.0	399.9	398.9	398.9	0.8	0.8	170.41	-45.0	0.0	50.1	48.6	1.58	31.698		
500.0	499.7	498.7	498.7	1.0	1.0	171.50	-45.0	0.0	56.6	54.6	2.04	27.769		
600.0	599.3	598.3	598.3	1.3	1.2	172.66	-45.0	0.0	65.7	63.2	2.50	26.318		
700.0	698.6	697.6	697.6	1.6	1.5	173.75	-45.0	0.0	77.3	74.4	2.95	26.195		
800.0	797.5	796.5	796.5	1.9	1.7	174.71	-45.0	0.0	91.6	88.2	3.41	26.863		
900.0	896.1	895.1	895.1	2.2	1.9	175.51	-45.0	0.0	108.5	104.6	3.87	28.037		
1,000.0	994.2	993.2	993.2	2.6	2.1	176.18	-45.0	0.0	128.0	123.6	4.33	29.550		
1,100.0	1,091.7	1,094.3	1,094.3	3.0	2.3	176.63	-43.9	0.4	148.9	144.1	4.79	31.059		
1,200.0	1,188.6	1,196.2	1,196.1	3.5	2.6	176.82	-40.3	1.8	169.9	164.6	5.26	32.310		
1,300.0	1,284.9	1,298.7	1,298.4	4.0	2.8	176.81	-34.1	4.1	190.9	185.1	5.73	33.315		
1,338.8	1,322.0	1,338.6	1,338.2	4.2	2.9	176.77	-31.0	5.3	199.0	193.1	5.92	33.643		
1,400.0	1,380.5	1,401.8	1,401.1	4.5	3.0	176.67	-25.2	7.5	211.4	205.1	6.22	33.964		
1,500.0	1,476.1	1,506.0	1,504.6	5.1	3.3	176.40	-13.7	11.9	229.5	222.7	6.74	34.050		
1,600.0	1,571.7	1,611.2	1,608.6	5.7	3.6	176.01	0.6	17.3	244.9	237.7	7.27	33.697		
1,700.0	1,667.3	1,716.2	1,712.0	6.2	3.9	175.51	17.6	23.7	257.8	250.0	7.81	33.001		
1,800.0	1,762.9	1,815.5	1,809.6	6.8	4.2	175.02	34.6	30.2	269.7	261.3	8.36	32.276		
1,900.0	1,858.4	1,914.7	1,907.2	7.4	4.5	174.58	51.6	36.6	281.6	272.7	8.90	31.630		
2,000.0	1,954.0	2,014.0	2,004.8	8.0	4.9	174.17	68.6	43.0	293.5	284.0	9.46	31.023		
2,100.0	2,049.6	2,113.3	2,102.4	8.5	5.2	173.80	85.6	49.5	305.4	295.4	10.02	30.474		
2,200.0	2,145.2	2,212.5	2,200.0	9.1	5.6	173.45	102.6	55.9	317.3	306.7	10.59	29.972		
2,300.0	2,240.8	2,311.8	2,297.5	9.7	6.0	173.13	119.6	62.4	329.3	318.1	11.16	29.511		
2,400.0	2,336.4	2,411.1	2,395.1	10.3	6.3	172.83	136.6	68.8	341.2	329.5	11.73	29.086		
2,500.0	2,432.0	2,510.3	2,492.7	10.9	6.7	172.55	153.6	75.3	353.2	340.9	12.31	28.694		
2,600.0	2,527.6	2,609.6	2,590.3	11.4	7.1	172.29	170.6	81.7	365.1	352.2	12.89	28.331		
2,700.0	2,623.2	2,708.9	2,687.9	12.0	7.4	172.04	187.6	88.1	377.1	363.6	13.47	27.994		
2,800.0	2,718.7	2,808.1	2,785.5	12.6	7.8	171.81	204.6	94.6	389.1	375.0	14.06	27.681		
2,900.0	2,814.3	2,907.4	2,883.1	13.2	8.2	171.60	221.6	101.0	401.1	386.4	14.64	27.389		
3,000.0	2,909.9	3,006.7	2,980.7	13.8	8.6	171.39	238.6	107.5	413.1	397.8	15.23	27.116		
3,100.0	3,005.5	3,105.9	3,078.3	14.4	9.0	171.20	255.6	113.9	425.0	409.2	15.82	26.861		
3,200.0	3,101.1	3,205.2	3,175.8	15.0	9.4	171.02	272.6	120.4	437.0	420.6	16.42	26.621		
3,300.0	3,196.7	3,304.5	3,273.4	15.5	9.7	170.85	289.6	126.8	449.0	432.0	17.01	26.396		
3,400.0	3,292.3	3,403.8	3,371.0	16.1	10.1	170.69	306.6	133.2	461.1	443.4	17.61	26.185		
3,500.0	3,387.9	3,503.0	3,468.6	16.7	10.5	170.53	323.6	139.7	473.1	454.9	18.21	25.985		
3,600.0	3,483.4	3,602.3	3,566.2	17.3	10.9	170.39	340.6	146.1	485.1	466.3	18.80	25.796		
3,700.0	3,579.0	3,701.6	3,663.8	17.9	11.3	170.25	357.6	152.6	497.1	477.7	19.40	25.618		
3,800.0	3,674.6	3,800.8	3,761.4	18.5	11.7	170.11	374.6	159.0	509.1	489.1	20.01	25.449		
3,900.0	3,770.2	3,900.1	3,859.0	19.1	12.1	169.99	391.6	165.5	521.1	500.5	20.61	25.289		
4,000.0	3,865.8	3,999.4	3,956.6	19.6	12.5	169.87	408.6	171.9	533.2	511.9	21.21	25.137		
4,100.0	3,961.4	4,098.6	4,054.2	20.2	12.9	169.75	425.6	178.3	545.2	523.4	21.81	24.992		
4,200.0	4,057.0	4,197.9	4,151.7	20.8	13.3	169.64	442.6	184.8	557.2	534.8	22.42	24.854		
4,300.0	4,152.6	4,297.2	4,249.3	21.4	13.7	169.53	459.6	191.2	569.2	546.2	23.02	24.723		
4,400.0	4,248.2	4,396.4	4,346.9	22.0	14.1	169.43	476.6	197.7	581.3	557.6	23.63	24.598		
4,431.2	4,278.0	4,427.4	4,377.4	22.2	14.2	169.40	481.9	199.7	585.0	561.2	23.82	24.560		
4,500.0	4,343.9	4,495.8	4,444.6	22.5	14.5	169.34	493.6	204.1	592.7	568.5	24.25	24.442		
4,600.0	4,440.4	4,589.9	4,537.1	23.0	14.8	169.23	509.5	210.2	601.9	577.1	24.81	24.262		
4,700.0	4,537.5	4,676.6	4,622.7	23.3	15.1	169.15	522.7	215.2	610.3	585.0	25.28	24.145		
4,800.0	4,635.2	4,763.3	4,708.5	23.7	15.3	169.10	534.0	219.4	618.3	592.6	25.71	24.050		

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 K-16CHZ
<b>Project:</b>	SEC.16-T4N-R68W	<b>TVD Reference:</b>	WELL @ 4946.5ft (Ensign Rig #131 - RKB - 13.5')
<b>Reference Site:</b>	SRC Cannon Pad Sec.16-T4N-R68W	<b>MD Reference:</b>	WELL @ 4946.5ft (Ensign Rig #131 - RKB - 13.5')
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	SRC Cannon K-16CHZ	<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 +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
4,900.0	4,733.4	4,849.8	4,794.5	24.0	15.5	169.07	543.5	223.0	625.8	599.7	26.10	23.973		
5,000.0	4,832.1	4,936.3	4,880.5	24.3	15.7	169.06	551.2	226.0	632.8	606.4	26.46	23.914		
5,100.0	4,931.2	5,022.6	4,966.6	24.6	15.9	169.08	557.0	228.2	639.4	612.6	26.79	23.873		
5,200.0	5,030.6	5,108.9	5,052.8	24.8	16.1	169.12	561.1	229.7	645.6	618.5	27.07	23.847		
5,300.0	5,130.2	5,200.0	5,143.9	25.0	16.2	169.19	563.3	230.6	651.3	623.9	27.33	23.832		
5,400.0	5,230.0	5,285.2	5,229.0	25.2	16.3	169.27	563.7	230.7	656.4	628.8	27.54	23.830		
5,500.0	5,330.0	5,385.1	5,329.0	25.3	16.5	169.32	563.7	230.7	659.5	631.7	27.79	23.731		
5,570.0	5,400.0	5,455.1	5,399.0	25.4	16.6	-179.97	563.7	230.7	660.1	618.8	41.26	15.998		
5,600.0	5,430.0	5,485.1	5,429.0	25.4	16.6	-179.97	563.7	230.7	660.1	618.8	41.34	15.969		
5,700.0	5,530.0	5,585.1	5,529.0	25.5	16.8	-179.97	563.7	230.7	660.1	618.5	41.59	15.871		
5,800.0	5,630.0	5,685.1	5,629.0	25.6	16.9	-179.97	563.7	230.7	660.1	618.2	41.85	15.774		
5,900.0	5,730.0	5,785.1	5,729.0	25.7	17.1	-179.97	563.7	230.7	660.1	618.0	42.11	15.676		
5,938.2	5,768.1	5,823.3	5,767.1	25.8	17.2	-179.97	563.7	230.7	660.1	617.9	42.21	15.639		
6,000.0	5,830.0	5,884.4	5,828.3	25.8	17.2	-179.79	563.7	228.6	660.1	617.7	42.38	15.576		
6,078.2	5,908.2	5,960.2	5,903.3	25.9	17.3	-178.87	563.6	218.0	660.4	617.7	42.65	15.485		
6,100.0	5,930.0	5,980.9	5,923.4	25.9	17.3	-87.95	563.5	213.5	660.5	630.9	29.59	22.319		
6,150.0	5,979.8	6,027.8	5,968.6	26.0	17.3	-87.12	563.4	201.0	660.9	631.3	29.59	22.338		
6,200.0	6,029.2	6,074.1	6,012.2	26.0	17.4	-86.31	563.3	185.5	661.5	631.9	29.57	22.368		
6,250.0	6,077.9	6,119.8	6,054.0	26.0	17.4	-85.53	563.1	167.1	662.1	632.6	29.56	22.399		
6,300.0	6,125.5	6,165.0	6,094.0	26.0	17.4	-84.77	562.9	145.9	662.9	633.3	29.56	22.425		
6,350.0	6,171.8	6,209.7	6,131.9	26.0	17.4	-84.05	562.7	122.3	663.7	634.1	29.58	22.436		
6,400.0	6,216.5	6,253.9	6,167.7	26.0	17.4	-83.37	562.4	96.4	664.6	635.0	29.64	22.423		
6,450.0	6,259.2	6,300.0	6,203.0	26.0	17.4	-82.69	562.1	66.8	665.5	635.8	29.75	22.372		
6,500.0	6,299.8	6,341.1	6,232.7	26.0	17.4	-82.11	561.9	38.2	666.5	636.6	29.91	22.280		
6,550.0	6,338.0	6,384.2	6,261.7	26.0	17.4	-81.55	561.6	6.4	667.4	637.3	30.16	22.131		
6,600.0	6,373.5	6,427.0	6,288.3	26.0	17.4	-81.04	561.2	-27.2	668.3	637.8	30.49	21.916		
6,650.0	6,406.1	6,469.6	6,312.4	26.0	17.4	-80.57	560.9	-62.2	669.2	638.3	30.90	21.654		
6,700.0	6,435.7	6,511.8	6,334.0	26.1	17.5	-80.16	560.6	-98.5	670.0	638.6	31.44	21.310		
6,750.0	6,462.1	6,550.0	6,351.4	26.1	17.5	-79.82	560.2	-132.4	670.7	638.7	32.05	20.929		
6,800.0	6,485.0	6,595.8	6,369.6	26.2	17.7	-79.49	559.8	-174.5	671.4	638.5	32.87	20.425		
6,850.0	6,504.3	6,637.6	6,383.5	26.2	18.0	-79.23	559.5	-213.8	671.9	638.1	33.78	19.891		
6,900.0	6,520.0	6,679.2	6,394.8	26.4	18.4	-79.04	559.1	-253.9	672.3	637.5	34.81	19.313		
6,950.0	6,531.9	6,720.8	6,403.4	26.5	18.9	-78.90	558.7	-294.6	672.7	636.7	35.96	18.703		
7,000.0	6,540.0	6,762.3	6,409.3	26.7	19.5	-78.82	558.3	-335.7	672.8	635.6	37.22	18.075		
7,050.0	6,544.2	6,800.0	6,412.3	27.0	20.2	-78.79	557.9	-373.2	672.9	634.4	38.52	17.471		
7,100.0	6,544.4	6,845.3	6,413.1	27.4	20.9	-78.83	557.5	-418.5	672.8	632.8	40.04	16.804		
7,120.6	6,543.4	6,862.3	6,412.5	27.5	21.3	-78.86	557.3	-435.5	672.8	632.1	40.66	16.546		
7,157.2	6,541.0	6,896.6	6,410.4	27.9	21.9	-78.87	557.0	-469.7	672.7	630.7	41.98	16.025		
7,200.0	6,538.1	6,939.4	6,407.6	28.3	22.7	-78.87	556.6	-512.4	672.7	629.1	43.62	15.422		
7,300.0	6,531.5	7,039.4	6,401.1	29.6	24.8	-78.89	555.7	-612.2	672.7	625.0	47.67	14.110		
7,400.0	6,524.8	7,139.4	6,394.6	31.2	27.0	-78.90	554.7	-712.0	672.7	620.7	52.00	12.937		
7,500.0	6,518.2	7,239.4	6,388.1	33.0	29.3	-78.91	553.7	-811.8	672.6	616.1	56.52	11.900		
7,600.0	6,511.6	7,339.4	6,381.6	35.1	31.7	-78.92	552.8	-911.5	672.6	611.4	61.21	10.989		
7,700.0	6,504.9	7,439.4	6,375.1	37.2	34.1	-78.93	551.8	-1,011.3	672.6	606.6	66.02	10.187		
7,800.0	6,498.3	7,539.4	6,368.6	39.5	36.6	-78.94	550.9	-1,111.1	672.5	601.6	70.93	9.482		
7,900.0	6,491.6	7,639.4	6,362.1	41.8	39.1	-78.96	549.9	-1,210.9	672.5	596.6	75.92	8.858		
8,000.0	6,485.0	7,739.4	6,355.6	44.2	41.7	-78.97	549.0	-1,310.7	672.5	591.5	80.98	8.304		
8,100.0	6,478.3	7,839.4	6,349.0	46.7	44.3	-78.98	548.0	-1,410.5	672.5	586.4	86.10	7.811		
8,200.0	6,471.7	7,939.4	6,342.5	49.2	46.9	-78.99	547.1	-1,510.2	672.4	581.2	91.26	7.369		
8,300.0	6,465.0	8,039.4	6,336.0	51.7	49.6	-79.00	546.1	-1,610.0	672.4	576.0	96.45	6.971		

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 K-16CHZ
<b>Project:</b>	SEC.16-T4N-R68W	<b>TVD Reference:</b>	WELL @ 4946.5ft (Ensign Rig #131 - RKB - 13.5')
<b>Reference Site:</b>	SRC Cannon Pad Sec.16-T4N-R68W	<b>MD Reference:</b>	WELL @ 4946.5ft (Ensign Rig #131 - RKB - 13.5')
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	SRC Cannon K-16CHZ	<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)				
8,400.0	6,458.4	8,139.4	6,329.5	54.2	52.2	-79.01	545.2	-1,709.8	672.4	570.7	101.68	6.613			
8,500.0	6,451.7	8,239.4	6,323.0	56.8	54.9	-79.03	544.2	-1,809.6	672.4	565.4	106.94	6.287			
8,600.0	6,445.1	8,339.4	6,316.5	59.4	57.6	-79.04	543.3	-1,909.4	672.3	560.1	112.22	5.991			
8,700.0	6,438.5	8,439.4	6,310.0	62.0	60.3	-79.05	542.3	-2,009.2	672.3	554.8	117.52	5.721			
8,800.0	6,431.8	8,539.4	6,303.5	64.7	63.0	-79.06	541.4	-2,108.9	672.3	549.4	122.84	5.473			
8,900.0	6,425.2	8,639.4	6,297.0	67.3	65.7	-79.07	540.4	-2,208.7	672.3	544.1	128.18	5.245			
9,000.0	6,418.5	8,739.4	6,290.5	70.0	68.4	-79.08	539.4	-2,308.5	672.2	538.7	133.53	5.034			
9,100.0	6,411.9	8,839.4	6,284.0	72.6	71.1	-79.10	538.5	-2,408.3	672.2	533.3	138.89	4.840			
9,200.0	6,405.2	8,939.4	6,277.5	75.3	73.8	-79.11	537.5	-2,508.1	672.2	527.9	144.26	4.659			
9,300.0	6,398.6	9,039.4	6,271.0	78.0	76.6	-79.12	536.6	-2,607.9	672.2	522.5	149.65	4.492			
9,400.0	6,391.9	9,139.4	6,264.5	80.7	79.3	-79.13	535.6	-2,707.6	672.1	517.1	155.04	4.335			
9,500.0	6,385.3	9,239.4	6,258.0	83.4	82.0	-79.14	534.7	-2,807.4	672.1	511.7	160.44	4.189			
9,600.0	6,378.7	9,339.4	6,251.5	86.1	84.8	-79.15	533.7	-2,907.2	672.1	506.2	165.85	4.052			
9,700.0	6,372.0	9,439.4	6,245.0	88.8	87.5	-79.17	532.8	-3,007.0	672.0	500.8	171.26	3.924			
9,800.0	6,365.4	9,539.4	6,238.5	91.6	90.3	-79.18	531.8	-3,106.8	672.0	495.3	176.68	3.804			
9,900.0	6,358.7	9,639.4	6,231.9	94.3	93.0	-79.19	530.9	-3,206.6	672.0	489.9	182.11	3.690			
10,000.0	6,352.1	9,739.4	6,225.4	97.0	95.8	-79.20	529.9	-3,306.3	672.0	484.4	187.54	3.583			
10,100.0	6,345.4	9,839.4	6,218.9	99.7	98.5	-79.21	529.0	-3,406.1	671.9	479.0	192.97	3.482			
10,200.0	6,338.8	9,939.4	6,212.4	102.5	101.3	-79.22	528.0	-3,505.9	671.9	473.5	198.41	3.386			
10,300.0	6,332.1	10,039.4	6,205.9	105.2	104.1	-79.24	527.1	-3,605.7	671.9	468.0	203.86	3.296			
10,400.0	6,325.5	10,139.4	6,199.4	107.9	106.8	-79.25	526.1	-3,705.5	671.9	462.6	209.31	3.210			
10,500.0	6,318.9	10,239.4	6,192.9	110.7	109.6	-79.26	525.1	-3,805.3	671.8	457.1	214.76	3.128			
10,600.0	6,312.2	10,339.4	6,186.4	113.4	112.4	-79.27	524.2	-3,905.0	671.8	451.6	220.21	3.051			
10,700.0	6,305.6	10,439.4	6,179.9	116.2	115.1	-79.28	523.2	-4,004.8	671.8	446.1	225.67	2.977			
10,800.0	6,298.9	10,539.4	6,173.4	118.9	117.9	-79.29	522.3	-4,104.6	671.8	440.6	231.13	2.906			
10,900.0	6,292.3	10,639.4	6,166.9	121.7	120.7	-79.31	521.3	-4,204.4	671.7	435.1	236.60	2.839			
11,000.0	6,285.6	10,739.4	6,160.4	124.4	123.4	-79.32	520.4	-4,304.2	671.7	429.7	242.06	2.775			
11,100.0	6,279.0	10,839.4	6,153.9	127.2	126.2	-79.33	519.4	-4,404.0	671.7	424.2	247.53	2.714			
11,200.0	6,272.3	10,939.4	6,147.4	130.0	129.0	-79.34	518.5	-4,503.8	671.7	418.7	253.00	2.655			
11,212.6	6,271.5	10,952.0	6,146.6	130.2	129.3	-79.34	518.4	-4,516.3	671.7	418.1	253.57	2.649 SF			

<b>Company:</b>	Synergy Resources	<b>Local Co-ordinate Reference:</b>	Well SRC Cannon K-16CHZ
<b>Project:</b>	SEC.16-T4N-R68W	<b>TVD Reference:</b>	WELL @ 4946.5ft (Ensign Rig #131 - RKB - 13.5')
<b>Reference Site:</b>	SRC Cannon Pad Sec.16-T4N-R68W	<b>MD Reference:</b>	WELL @ 4946.5ft (Ensign Rig #131 - RKB - 13.5')
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	SRC Cannon K-16CHZ	<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	0.0	0.0	0.0	0.0	180.00	-90.0	0.0	90.0				
100.0	100.0	98.0	98.0	0.1	0.1	180.00	-90.0	0.0	90.0	89.8	0.22	404.435	
200.0	200.0	198.0	198.0	0.3	0.3	180.00	-90.0	0.0	90.0	89.3	0.67	134.362 CC, ES	
300.0	300.0	298.0	298.0	0.6	0.6	169.46	-90.0	0.0	91.3	90.2	1.12	81.246	
400.0	399.9	397.9	397.9	0.8	0.8	169.88	-90.0	0.0	95.1	93.6	1.58	60.228	
500.0	499.7	497.7	497.7	1.0	1.0	170.51	-90.0	0.0	101.6	99.6	2.04	49.892	
600.0	599.3	597.3	597.3	1.3	1.2	171.27	-90.0	0.0	110.6	108.1	2.49	44.371	
700.0	698.6	696.6	696.6	1.6	1.5	172.09	-90.0	0.0	122.3	119.3	2.95	41.431	
800.0	797.5	795.5	795.5	1.9	1.7	172.89	-90.0	0.0	136.5	133.1	3.41	40.030	
900.0	896.1	894.1	894.1	2.2	1.9	173.64	-90.0	0.0	153.3	149.4	3.87	39.621 SF	
1,000.0	994.2	992.2	992.2	2.6	2.1	174.33	-90.0	0.0	172.7	168.4	4.33	39.885	
1,100.0	1,091.7	1,089.7	1,089.7	3.0	2.3	174.94	-90.0	0.0	194.7	189.9	4.79	40.622	
1,200.0	1,188.6	1,186.6	1,186.6	3.5	2.6	175.48	-90.0	0.0	219.2	214.0	5.26	41.704	
1,300.0	1,284.9	1,282.9	1,282.9	4.0	2.8	175.95	-90.0	0.0	246.3	240.6	5.72	43.041	
1,338.8	1,322.0	1,320.0	1,320.0	4.2	2.9	176.11	-90.0	0.0	257.5	251.6	5.90	43.616	
1,400.0	1,380.5	1,378.5	1,378.5	4.5	3.0	176.37	-90.0	0.0	275.4	269.2	6.20	44.416	
1,500.0	1,476.1	1,474.1	1,474.1	5.1	3.2	176.72	-90.0	0.0	304.7	298.1	6.69	45.549	
1,600.0	1,571.7	1,569.7	1,569.7	5.7	3.4	177.00	-90.0	0.0	334.1	326.9	7.18	46.507	
1,700.0	1,667.3	1,665.3	1,665.3	6.2	3.6	177.25	-90.0	0.0	363.4	355.7	7.68	47.325	
1,800.0	1,762.9	1,760.9	1,760.9	6.8	3.8	177.45	-90.0	0.0	392.8	384.6	8.18	48.032	
1,900.0	1,858.4	1,856.4	1,856.4	7.4	4.1	177.63	-90.0	0.0	422.1	413.4	8.68	48.649	
2,000.0	1,954.0	1,952.0	1,952.0	8.0	4.3	177.78	-90.0	0.0	451.5	442.3	9.18	49.190	
2,100.0	2,049.6	2,047.6	2,047.6	8.5	4.5	177.92	-90.0	0.0	480.8	471.2	9.68	49.668	
2,200.0	2,145.2	2,143.2	2,143.2	9.1	4.7	178.04	-90.0	0.0	510.2	500.0	10.18	50.095	
2,300.0	2,240.8	2,238.8	2,238.8	9.7	4.9	178.15	-90.0	0.0	539.6	528.9	10.69	50.476	
2,400.0	2,336.4	2,334.4	2,334.4	10.3	5.1	178.24	-90.0	0.0	568.9	557.7	11.19	50.820	
2,500.0	2,432.0	2,430.0	2,430.0	10.9	5.3	178.33	-90.0	0.0	598.3	586.6	11.70	51.131	
2,600.0	2,527.6	2,526.1	2,526.1	11.4	5.6	178.40	-90.0	0.1	627.6	615.4	12.21	51.422	
2,700.0	2,623.2	2,624.0	2,623.9	12.0	5.8	178.30	-90.0	2.0	656.7	644.0	12.70	51.699	
2,800.0	2,718.7	2,721.9	2,721.8	12.6	6.0	177.99	-90.2	6.4	685.5	672.4	13.20	51.948	
2,900.0	2,814.3	2,819.8	2,819.4	13.2	6.2	177.50	-90.4	13.4	714.1	700.4	13.70	52.123	
3,000.0	2,909.9	2,917.5	2,916.6	13.8	6.4	176.85	-90.6	22.8	742.4	728.2	14.21	52.229	
3,100.0	3,005.5	3,013.1	3,011.6	14.4	6.6	176.15	-90.9	33.3	770.6	755.9	14.74	52.291	
3,200.0	3,101.1	3,108.6	3,106.6	15.0	6.8	175.51	-91.2	43.8	799.0	783.7	15.27	52.327	
3,300.0	3,196.7	3,204.1	3,201.5	15.5	7.0	174.91	-91.4	54.3	827.4	811.6	15.81	52.342	
3,400.0	3,292.3	3,299.6	3,296.5	16.1	7.3	174.36	-91.7	64.8	855.9	839.6	16.35	52.338	
3,500.0	3,387.9	3,395.2	3,391.4	16.7	7.5	173.83	-92.0	75.3	884.5	867.6	16.91	52.319	
3,600.0	3,483.4	3,490.7	3,486.4	17.3	7.7	173.34	-92.3	85.8	913.2	895.7	17.46	52.288	
3,700.0	3,579.0	3,586.2	3,581.3	17.9	8.0	172.88	-92.6	96.3	941.9	923.8	18.03	52.246	
3,800.0	3,674.6	3,681.7	3,676.3	18.5	8.2	172.45	-92.8	106.8	970.6	952.0	18.60	52.197	
3,900.0	3,770.2	3,777.2	3,771.2	19.1	8.5	172.04	-93.1	117.3	999.4	980.3	19.17	52.141	

<b>Company:</b>	Synergy Resources	<b>Local Co-ordinate Reference:</b>	Well SRC Cannon K-16CHZ
<b>Project:</b>	SEC.16-T4N-R68W	<b>TVD Reference:</b>	WELL @ 4946.5ft (Ensign Rig #131 - RKB - 13.5')
<b>Reference Site:</b>	SRC Cannon Pad Sec.16-T4N-R68W	<b>MD Reference:</b>	WELL @ 4946.5ft (Ensign Rig #131 - RKB - 13.5')
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	SRC Cannon K-16CHZ	<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	-75.0	0.0	75.0					
100.0	100.0	98.0	98.0	0.1	0.1	180.00	-75.0	0.0	75.0	74.8	0.22	337.026		
200.0	200.0	198.0	198.0	0.3	0.3	180.00	-75.0	0.0	75.0	74.3	0.67	111.967 CC, ES		
300.0	300.0	298.0	298.0	0.6	0.6	169.49	-75.0	0.0	76.3	75.2	1.12	67.895		
400.0	399.9	397.9	397.9	0.8	0.8	169.99	-75.0	0.0	80.1	78.6	1.58	50.733		
500.0	499.7	497.7	497.7	1.0	1.0	170.73	-75.0	0.0	86.6	84.6	2.04	42.527		
600.0	599.3	597.3	597.3	1.3	1.2	171.59	-75.0	0.0	95.6	93.1	2.49	38.360		
700.0	698.6	696.6	696.6	1.6	1.5	172.49	-75.0	0.0	107.3	104.3	2.95	36.356		
800.0	797.5	795.5	795.5	1.9	1.7	173.35	-75.0	0.0	121.5	118.1	3.41	35.644 SF		
900.0	896.1	894.1	894.1	2.2	1.9	174.13	-75.0	0.0	138.4	134.5	3.87	35.762		
1,000.0	994.2	992.2	992.2	2.6	2.1	174.83	-75.0	0.0	157.8	153.4	4.33	36.442		
1,100.0	1,091.7	1,089.7	1,089.7	3.0	2.3	175.44	-75.0	0.0	179.8	175.0	4.79	37.517		
1,200.0	1,188.6	1,186.6	1,186.6	3.5	2.6	175.96	-75.0	0.0	204.3	199.1	5.26	38.878		
1,300.0	1,284.9	1,282.9	1,282.9	4.0	2.8	176.41	-75.0	0.0	231.4	225.7	5.72	40.449		
1,338.8	1,322.0	1,320.0	1,320.0	4.2	2.9	176.56	-75.0	0.0	242.6	236.7	5.90	41.105		
1,400.0	1,380.5	1,378.5	1,378.5	4.5	3.0	176.80	-75.0	0.0	260.5	254.3	6.20	42.027		
1,500.0	1,476.1	1,474.1	1,474.1	5.1	3.2	177.12	-75.0	0.0	289.9	283.2	6.69	43.337		
1,600.0	1,571.7	1,569.7	1,569.7	5.7	3.4	177.39	-75.0	0.0	319.2	312.0	7.18	44.449		
1,700.0	1,667.3	1,670.1	1,670.1	6.2	3.6	177.55	-74.6	0.5	348.1	340.4	7.68	45.308		
1,800.0	1,762.9	1,773.8	1,773.8	6.8	3.9	177.41	-72.4	3.0	375.2	367.0	8.19	45.814		
1,900.0	1,858.4	1,878.6	1,878.4	7.4	4.1	177.02	-68.4	7.7	400.2	391.5	8.70	45.986		
2,000.0	1,954.0	1,984.4	1,983.7	8.0	4.3	176.40	-62.4	14.6	423.3	414.0	9.23	45.855		
2,100.0	2,049.6	2,090.9	2,089.6	8.5	4.6	175.59	-54.4	23.8	444.4	434.6	9.78	45.460		
2,200.0	2,145.2	2,192.4	2,190.1	9.1	4.8	174.69	-45.3	34.3	463.9	453.6	10.33	44.930		
2,300.0	2,240.8	2,290.2	2,287.0	9.7	5.1	173.88	-36.4	44.6	483.4	472.5	10.88	44.422		
2,400.0	2,336.4	2,388.1	2,383.9	10.3	5.4	173.12	-27.5	54.9	503.0	491.6	11.45	43.940		
2,500.0	2,432.0	2,486.0	2,480.8	10.9	5.6	172.43	-18.6	65.2	522.7	510.6	12.02	43.471		
2,600.0	2,527.6	2,583.8	2,577.7	11.4	5.9	171.79	-9.7	75.5	542.4	529.8	12.61	43.027		
2,700.0	2,623.2	2,681.7	2,674.6	12.0	6.2	171.19	-0.8	85.8	562.2	549.0	13.20	42.603		
2,800.0	2,718.7	2,779.5	2,771.5	12.6	6.5	170.63	8.1	96.1	582.0	568.2	13.79	42.200		
2,900.0	2,814.3	2,877.4	2,868.4	13.2	6.8	170.11	17.0	106.3	601.9	587.5	14.39	41.816		
3,000.0	2,909.9	2,975.2	2,965.3	13.8	7.1	169.62	25.9	116.6	621.9	606.9	15.00	41.451		
3,100.0	3,005.5	3,073.1	3,062.2	14.4	7.4	169.16	34.8	126.9	641.8	626.2	15.62	41.103		
3,200.0	3,101.1	3,171.0	3,159.2	15.0	7.7	168.73	43.7	137.2	661.9	645.6	16.23	40.773		
3,300.0	3,196.7	3,268.8	3,256.1	15.5	8.0	168.33	52.6	147.5	681.9	665.0	16.85	40.459		
3,400.0	3,292.3	3,366.7	3,353.0	16.1	8.3	167.94	61.5	157.8	702.0	684.5	17.48	40.160		
3,500.0	3,387.9	3,464.5	3,449.9	16.7	8.6	167.58	70.4	168.1	722.1	704.0	18.11	39.876		
3,600.0	3,483.4	3,562.4	3,546.8	17.3	8.9	167.24	79.3	178.4	742.2	723.5	18.74	39.605		
3,700.0	3,579.0	3,660.3	3,643.7	17.9	9.2	166.92	88.2	188.6	762.4	743.0	19.38	39.347		
3,800.0	3,674.6	3,758.1	3,740.6	18.5	9.6	166.61	97.1	198.9	782.6	762.6	20.01	39.101		
3,900.0	3,770.2	3,848.0	3,829.7	19.1	9.8	166.37	105.0	208.0	803.1	782.5	20.59	39.013		
4,000.0	3,865.8	3,934.1	3,915.3	19.6	10.0	166.26	111.3	215.3	825.0	803.9	21.11	39.083		
4,100.0	3,961.4	4,019.8	4,000.6	20.2	10.2	166.25	116.3	221.1	848.2	826.6	21.61	39.249		
4,200.0	4,057.0	4,100.0	4,080.6	20.8	10.4	166.34	119.9	225.2	872.8	850.7	22.08	39.522		
4,300.0	4,152.6	4,189.2	4,169.7	21.4	10.5	166.54	122.5	228.3	898.7	876.2	22.55	39.853		
4,400.0	4,248.2	4,272.8	4,253.3	22.0	10.7	166.81	123.8	229.8	926.0	903.0	22.99	40.281		
4,431.2	4,278.0	4,300.0	4,280.5	22.2	10.7	166.92	124.0	230.0	934.7	911.6	23.12	40.425		
4,500.0	4,343.9	4,361.4	4,341.9	22.5	10.8	167.23	124.0	230.0	953.9	930.4	23.44	40.702		
4,600.0	4,440.4	4,457.9	4,438.4	23.0	11.0	167.66	124.0	230.0	979.7	955.8	23.87	41.033		

Reference Depths are relative to WELL @ 4946.5ft (Ensign Rig #131 - Coordinates are relative to: SRC Cannon K-16CHZ  
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°



Reference Depths are relative to WELL @ 4946.5ft (Ensign Rig #131 - Coordinates are relative to: SRC Cannon K-16CHZ  
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14-16CHZ, Wellbore #1, Plan #2 (1-12-15) V		SRC Cannon 24-16CHZ, Wellbore #1, Plan #2 (1-12-15) V		SRC Cannon 14-16NHZ, Wellbore #
H-16NHZ, Wellbore #1, Plan #2 (1-12-15) V		SRC Cannon 13-16CHZ, Wellbore #1, Plan #2 (1-12-15) V		SRC Cannon 13-16NHZ, Wellbore #
24-16NHZ, Wellbore #1, Plan #2 (1-12-15) V		SRC Cannon S-16CHZ, Wellbore #1, Plan #2 (1-12-15) V		
H-16CHZ, Wellbore #1, Plan #2 (1-15-15) V		SRC Cannon S-16NHZ, Wellbore #1, Plan #2 (1-12-15) V		