

Synergy Resources

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

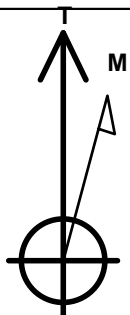
Surface Location: SRC Cannon Pad Sec.16-T4N-R68W
North American Datum 1983 , US State Plane 1983 , Colorado Northern Zone
Ground Elevation: 4930.0

+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
0.0	0.0	1355846.38	3139483.51	40.309119	-104.999848	

Original Well Elev WELL @ 4943.0ft (Original Well Elev)

WELLBORE TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Shape
SHL 1084'FSL & 280'FEL	1.0	0.0	0.0	Point
BHL 848'FSL & 475'FWL	6210.0	-279.0	-4535.2	Point



Azimuths to True North
Magnetic North: 8.54°

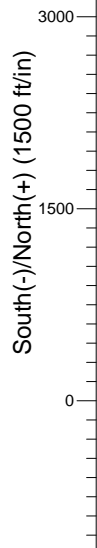
Magnetic Field
Strength: 52713.5nT
Dip Angle: 66.83°
Date: 9/22/2014
Model: IGRF2010

SRC Cannon Pad Sec.16-T4N-R68W
SRC Cannon 24-16NHZ
Plan #1 (10-20-14)
12:40, October 21 2014

ANNOTATIONS

TVD	MD	Annotation
1400.0	1400.0	KOP - Start Build 2.00
3932.3	3951.4	Start Drop -2.00
5493.8	5513.9	KOP #2 - Start Build 8.00
6210.0	10687.7	TD at 10687.7

South(-)/North(+) (1500 ft/in)



Sec.16-T4N-R68W

460' Setback

**Casing Pt. 844'FSL
& 767'FEL**

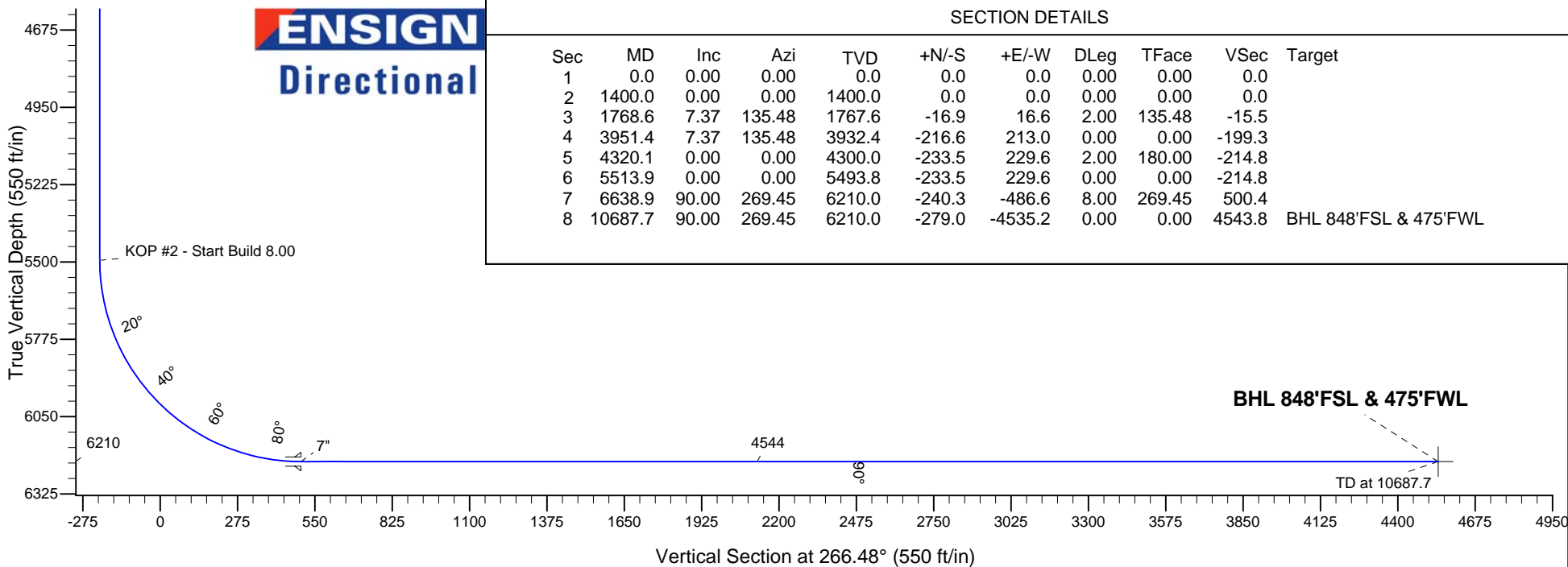
SHL 1084'FSL & 280'FEL

BHL 848'FSL & 475'FWL

SRC Cannon 24-16NHZ

Zoller #1 (P&A)

West(-)/East(+) (1500 ft/in)





Synergy Resources

SEC.16-T4N-R68W

SRC Cannon Pad Sec.16-T4N-R68W

SRC Cannon 24-16NHZ

Wellbore #1

Plan: Plan #1 (10-20-14)

Standard Planning Report

21 October, 2014

Plan Sections										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	TFO (°)	Target
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,400.0	0.00	0.00	1,400.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,768.6	7.37	135.48	1,767.6	-16.9	16.6	2.00	2.00	0.00	135.48	
3,951.4	7.37	135.48	3,932.4	-216.6	213.0	0.00	0.00	0.00	0.00	
4,320.1	0.00	0.00	4,300.0	-233.5	229.6	2.00	-2.00	0.00	180.00	
5,513.9	0.00	0.00	5,493.8	-233.5	229.6	0.00	0.00	0.00	0.00	
6,638.9	90.00	269.45	6,210.0	-240.3	-486.6	8.00	8.00	0.00	269.45	
10,687.7	90.00	269.45	6,210.0	-279.0	-4,535.2	0.00	0.00	0.00	0.00	BHL 848'FSL & 475'

Database:	Landmark	Local Co-ordinate Reference:	Well SRC Cannon 24-16NHZ
Company:	Synergy Resources	TVD Reference:	WELL @ 4943.0ft (Original Well Elev)
Project:	SEC.16-T4N-R68W	MD Reference:	WELL @ 4943.0ft (Original Well Elev)
Site:	SRC Cannon Pad Sec.16-T4N-R68W	North Reference:	True
Well:	SRC Cannon 24-16NHZ	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan #1 (10-20-14)		

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
100.0	0.00	0.00	100.0	0.0	0.0	0.0	0.00	0.00	0.00
200.0	0.00	0.00	200.0	0.0	0.0	0.0	0.00	0.00	0.00
300.0	0.00	0.00	300.0	0.0	0.0	0.0	0.00	0.00	0.00
400.0	0.00	0.00	400.0	0.0	0.0	0.0	0.00	0.00	0.00
500.0	0.00	0.00	500.0	0.0	0.0	0.0	0.00	0.00	0.00
600.0	0.00	0.00	600.0	0.0	0.0	0.0	0.00	0.00	0.00
700.0	0.00	0.00	700.0	0.0	0.0	0.0	0.00	0.00	0.00
800.0	0.00	0.00	800.0	0.0	0.0	0.0	0.00	0.00	0.00
900.0	0.00	0.00	900.0	0.0	0.0	0.0	0.00	0.00	0.00
1,000.0	0.00	0.00	1,000.0	0.0	0.0	0.0	0.00	0.00	0.00
1,100.0	0.00	0.00	1,100.0	0.0	0.0	0.0	0.00	0.00	0.00
1,200.0	0.00	0.00	1,200.0	0.0	0.0	0.0	0.00	0.00	0.00
1,300.0	0.00	0.00	1,300.0	0.0	0.0	0.0	0.00	0.00	0.00
1,400.0	0.00	0.00	1,400.0	0.0	0.0	0.0	0.00	0.00	0.00
KOP - Start Build 2.00									
1,500.0	2.00	135.48	1,500.0	-1.2	1.2	-1.1	2.00	2.00	0.00
1,600.0	4.00	135.48	1,599.8	-5.0	4.9	-4.6	2.00	2.00	0.00
1,700.0	6.00	135.48	1,699.5	-11.2	11.0	-10.3	2.00	2.00	0.00
1,768.6	7.37	135.48	1,767.6	-16.9	16.6	-15.5	2.00	2.00	0.00
1,800.0	7.37	135.48	1,798.7	-19.8	19.4	-18.2	0.00	0.00	0.00
1,900.0	7.37	135.48	1,897.9	-28.9	28.4	-26.6	0.00	0.00	0.00
2,000.0	7.37	135.48	1,997.1	-38.1	37.4	-35.0	0.00	0.00	0.00
2,100.0	7.37	135.48	2,096.2	-47.2	46.4	-43.4	0.00	0.00	0.00
2,200.0	7.37	135.48	2,195.4	-56.4	55.4	-51.9	0.00	0.00	0.00
2,300.0	7.37	135.48	2,294.6	-65.5	64.4	-60.3	0.00	0.00	0.00
2,400.0	7.37	135.48	2,393.8	-74.7	73.4	-68.7	0.00	0.00	0.00
2,500.0	7.37	135.48	2,492.9	-83.8	82.4	-77.1	0.00	0.00	0.00
2,600.0	7.37	135.48	2,592.1	-93.0	91.4	-85.5	0.00	0.00	0.00
2,700.0	7.37	135.48	2,691.3	-102.1	100.4	-93.9	0.00	0.00	0.00
2,800.0	7.37	135.48	2,790.5	-111.3	109.4	-102.4	0.00	0.00	0.00
2,900.0	7.37	135.48	2,889.6	-120.4	118.4	-110.8	0.00	0.00	0.00
3,000.0	7.37	135.48	2,988.8	-129.6	127.4	-119.2	0.00	0.00	0.00
3,100.0	7.37	135.48	3,088.0	-138.7	136.4	-127.6	0.00	0.00	0.00
3,200.0	7.37	135.48	3,187.1	-147.9	145.4	-136.0	0.00	0.00	0.00
3,300.0	7.37	135.48	3,286.3	-157.0	154.4	-144.5	0.00	0.00	0.00
3,400.0	7.37	135.48	3,385.5	-166.2	163.4	-152.9	0.00	0.00	0.00
3,500.0	7.37	135.48	3,484.7	-175.3	172.4	-161.3	0.00	0.00	0.00
3,600.0	7.37	135.48	3,583.8	-184.5	181.4	-169.7	0.00	0.00	0.00
3,700.0	7.37	135.48	3,683.0	-193.6	190.4	-178.1	0.00	0.00	0.00
3,800.0	7.37	135.48	3,782.2	-202.8	199.4	-186.5	0.00	0.00	0.00
3,900.0	7.37	135.48	3,881.4	-211.9	208.4	-195.0	0.00	0.00	0.00
3,951.4	7.37	135.48	3,932.3	-216.6	213.0	-199.3	0.00	0.00	0.00
Start Drop -2.00									
4,000.0	6.40	135.48	3,980.6	-220.8	217.1	-203.1	2.00	-2.00	0.00
4,100.0	4.40	135.48	4,080.1	-227.5	223.7	-209.3	2.00	-2.00	0.00
4,200.0	2.40	135.48	4,180.0	-231.7	227.8	-213.2	2.00	-2.00	0.00
4,300.0	0.40	135.48	4,279.9	-233.4	229.6	-214.8	2.00	-2.00	0.00
4,320.1	0.00	0.00	4,300.0	-233.5	229.6	-214.8	2.00	-2.00	0.00
4,400.0	0.00	0.00	4,379.9	-233.5	229.6	-214.8	0.00	0.00	0.00
4,500.0	0.00	0.00	4,479.9	-233.5	229.6	-214.8	0.00	0.00	0.00
4,600.0	0.00	0.00	4,579.9	-233.5	229.6	-214.8	0.00	0.00	0.00
4,700.0	0.00	0.00	4,679.9	-233.5	229.6	-214.8	0.00	0.00	0.00
4,800.0	0.00	0.00	4,779.9	-233.5	229.6	-214.8	0.00	0.00	0.00

Database:	Landmark	Local Co-ordinate Reference:	Well SRC Cannon 24-16NHZ
Company:	Synergy Resources	TVD Reference:	WELL @ 4943.0ft (Original Well Elev)
Project:	SEC.16-T4N-R68W	MD Reference:	WELL @ 4943.0ft (Original Well Elev)
Site:	SRC Cannon Pad Sec.16-T4N-R68W	North Reference:	True
Well:	SRC Cannon 24-16NHZ	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan #1 (10-20-14)		

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)
4,900.0	0.00	0.00	4,879.9	-233.5	229.6	-214.8	0.00	0.00	0.00
5,000.0	0.00	0.00	4,979.9	-233.5	229.6	-214.8	0.00	0.00	0.00
5,100.0	0.00	0.00	5,079.9	-233.5	229.6	-214.8	0.00	0.00	0.00
5,200.0	0.00	0.00	5,179.9	-233.5	229.6	-214.8	0.00	0.00	0.00
5,300.0	0.00	0.00	5,279.9	-233.5	229.6	-214.8	0.00	0.00	0.00
5,400.0	0.00	0.00	5,379.9	-233.5	229.6	-214.8	0.00	0.00	0.00
5,500.0	0.00	0.00	5,479.9	-233.5	229.6	-214.8	0.00	0.00	0.00
5,513.9	0.00	0.00	5,493.8	-233.5	229.6	-214.8	0.00	0.00	0.00
KOP #2 - Start Build 8.00									
5,600.0	6.89	269.45	5,579.7	-233.5	224.4	-209.7	8.00	8.00	0.00
5,700.0	14.89	269.45	5,677.8	-233.7	205.6	-190.8	8.00	8.00	0.00
5,800.0	22.89	269.45	5,772.4	-234.0	173.2	-158.5	8.00	8.00	0.00
5,900.0	30.89	269.45	5,861.5	-234.5	128.0	-113.4	8.00	8.00	0.00
6,000.0	38.89	269.45	5,943.4	-235.0	70.9	-56.3	8.00	8.00	0.00
6,100.0	46.89	269.45	6,016.7	-235.7	2.9	11.6	8.00	8.00	0.00
6,200.0	54.89	269.45	6,079.7	-236.4	-74.7	89.0	8.00	8.00	0.00
6,300.0	62.89	269.45	6,131.3	-237.2	-160.2	174.5	8.00	8.00	0.00
6,400.0	70.89	269.45	6,170.5	-238.1	-252.1	266.2	8.00	8.00	0.00
6,500.0	78.89	269.45	6,196.6	-239.0	-348.6	362.6	8.00	8.00	0.00
6,600.0	86.89	269.45	6,208.9	-240.0	-447.7	461.6	8.00	8.00	0.00
6,638.9	90.00	269.45	6,210.0	-240.3	-486.6	500.4	8.00	8.00	0.00
7"									
6,700.0	90.00	269.45	6,210.0	-240.9	-547.7	561.4	0.00	0.00	0.00
6,800.0	90.00	269.45	6,210.0	-241.9	-647.7	661.3	0.00	0.00	0.00
6,900.0	90.00	269.45	6,210.0	-242.8	-747.7	761.2	0.00	0.00	0.00
7,000.0	90.00	269.45	6,210.0	-243.8	-847.7	861.0	0.00	0.00	0.00
7,100.0	90.00	269.45	6,210.0	-244.7	-947.7	960.9	0.00	0.00	0.00
7,200.0	90.00	269.45	6,210.0	-245.7	-1,047.7	1,060.8	0.00	0.00	0.00
7,300.0	90.00	269.45	6,210.0	-246.6	-1,147.7	1,160.6	0.00	0.00	0.00
7,400.0	90.00	269.45	6,210.0	-247.6	-1,247.6	1,260.5	0.00	0.00	0.00
7,500.0	90.00	269.45	6,210.0	-248.6	-1,347.6	1,360.4	0.00	0.00	0.00
7,600.0	90.00	269.45	6,210.0	-249.5	-1,447.6	1,460.2	0.00	0.00	0.00
7,700.0	90.00	269.45	6,210.0	-250.5	-1,547.6	1,560.1	0.00	0.00	0.00
7,800.0	90.00	269.45	6,210.0	-251.4	-1,647.6	1,660.0	0.00	0.00	0.00
7,900.0	90.00	269.45	6,210.0	-252.4	-1,747.6	1,759.8	0.00	0.00	0.00
8,000.0	90.00	269.45	6,210.0	-253.3	-1,847.6	1,859.7	0.00	0.00	0.00
8,100.0	90.00	269.45	6,210.0	-254.3	-1,947.6	1,959.6	0.00	0.00	0.00
8,200.0	90.00	269.45	6,210.0	-255.2	-2,047.6	2,059.4	0.00	0.00	0.00
8,300.0	90.00	269.45	6,210.0	-256.2	-2,147.6	2,159.3	0.00	0.00	0.00
8,400.0	90.00	269.45	6,210.0	-257.1	-2,247.6	2,259.1	0.00	0.00	0.00
8,500.0	90.00	269.45	6,210.0	-258.1	-2,347.6	2,359.0	0.00	0.00	0.00
8,600.0	90.00	269.45	6,210.0	-259.1	-2,447.6	2,458.9	0.00	0.00	0.00
8,700.0	90.00	269.45	6,210.0	-260.0	-2,547.6	2,558.7	0.00	0.00	0.00
8,800.0	90.00	269.45	6,210.0	-261.0	-2,647.6	2,658.6	0.00	0.00	0.00
8,900.0	90.00	269.45	6,210.0	-261.9	-2,747.6	2,758.5	0.00	0.00	0.00
9,000.0	90.00	269.45	6,210.0	-262.9	-2,847.6	2,858.3	0.00	0.00	0.00
9,100.0	90.00	269.45	6,210.0	-263.8	-2,947.6	2,958.2	0.00	0.00	0.00
9,200.0	90.00	269.45	6,210.0	-264.8	-3,047.6	3,058.1	0.00	0.00	0.00
9,300.0	90.00	269.45	6,210.0	-265.7	-3,147.6	3,157.9	0.00	0.00	0.00
9,400.0	90.00	269.45	6,210.0	-266.7	-3,247.6	3,257.8	0.00	0.00	0.00
9,500.0	90.00	269.45	6,210.0	-267.6	-3,347.6	3,357.7	0.00	0.00	0.00
9,600.0	90.00	269.45	6,210.0	-268.6	-3,447.5	3,457.5	0.00	0.00	0.00
9,700.0	90.00	269.45	6,210.0	-269.6	-3,547.5	3,557.4	0.00	0.00	0.00
9,800.0	90.00	269.45	6,210.0	-270.5	-3,647.5	3,657.3	0.00	0.00	0.00

Database:	Landmark	Local Co-ordinate Reference:	Well SRC Cannon 24-16NHZ
Company:	Synergy Resources	TVD Reference:	WELL @ 4943.0ft (Original Well Elev)
Project:	SEC.16-T4N-R68W	MD Reference:	WELL @ 4943.0ft (Original Well Elev)
Site:	SRC Cannon Pad Sec.16-T4N-R68W	North Reference:	True
Well:	SRC Cannon 24-16NHZ	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan #1 (10-20-14)		

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)	
9,900.0	90.00	269.45	6,210.0	-271.5	-3,747.5	3,757.1	0.00	0.00	0.00	
10,000.0	90.00	269.45	6,210.0	-272.4	-3,847.5	3,857.0	0.00	0.00	0.00	
10,100.0	90.00	269.45	6,210.0	-273.4	-3,947.5	3,956.9	0.00	0.00	0.00	
10,200.0	90.00	269.45	6,210.0	-274.3	-4,047.5	4,056.7	0.00	0.00	0.00	
10,300.0	90.00	269.45	6,210.0	-275.3	-4,147.5	4,156.6	0.00	0.00	0.00	
10,400.0	90.00	269.45	6,210.0	-276.2	-4,247.5	4,256.5	0.00	0.00	0.00	
10,500.0	90.00	269.45	6,210.0	-277.2	-4,347.5	4,356.3	0.00	0.00	0.00	
10,600.0	90.00	269.45	6,210.0	-278.1	-4,447.5	4,456.2	0.00	0.00	0.00	
10,687.7	90.00	269.45	6,210.0	-279.0	-4,535.2	4,543.8	0.00	0.00	0.00	

Targets										
Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (ft)	Easting (ft)	Latitude	Longitude	
- hit/miss target										
- Shape										
BHL 848'FSL & 475'F	0.00	0.00	6,210.0	-279.0	-4,535.2	1,355,541.84	3,134,950.17	40.308352	-105.016109	
- plan hits target center										
- Point										
SHL 1084'FSL & 280'I	0.00	0.00	1.0	0.0	0.0	1,355,846.40	3,139,483.51	40.309119	-104.999848	
- plan hits target center										
- Point										

Casing Points										
Measured Depth (ft)	Vertical Depth (ft)	Name					Casing Diameter (")	Hole Diameter (")		
6,638.9	6,210.0	7"					7	7-1/2		

Plan Annotations										
Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates								
		+N/-S (ft)	+E/-W (ft)	Comment						
1,400.0	1,400.0	0.0	0.0	KOP - Start Build 2.00						
3,951.4	3,932.3	-216.6	213.0	Start Drop -2.00						
5,513.9	5,493.8	-233.5	229.6	KOP #2 - Start Build 8.00						
10,687.7	6,210.0	-279.0	-4,535.2	TD at 10687.7						



Synergy Resources

SEC.16-T4N-R68W

SRC Cannon Pad Sec.16-T4N-R68W

SRC Cannon 24-16NHZ

Wellbore #1

Plan #1 (10-20-14)

Anticollision Report

21 October, 2014

Company:	Synergy Resources	Local Co-ordinate Reference:	Well SRC Cannon 24-16NHZ
Project:	SEC.16-T4N-R68W	TVD Reference:	WELL @ 4943.0ft (Original Well Elev)
Reference Site:	SRC Cannon Pad Sec.16-T4N-R68W	MD Reference:	WELL @ 4943.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	SRC Cannon 24-16NHZ	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	Landmark
Reference Design:	Plan #1 (10-20-14)	Offset TVD Reference:	Offset Datum

Offset Design Existing Wells Pad Sec.16-T4N-R68W - Zoller #1 (P&A) - Wellbore #1 - Wellbore #1												Offset Site Error:	0.0 ft
Survey Program: 6416-UNKNOWN												Offset Well Error:	0.0 ft
Reference	Offset	Semi Major Axis			Distance								Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	
9,900.0	6,210.0	6,203.0	6,203.0	107.7	124.1	-90.00	-544.4	-3,132.1	673.3	441.6	231.71	2.906	
10,000.0	6,210.0	6,203.0	6,203.0	110.5	124.1	-90.00	-544.4	-3,132.1	765.4	530.9	234.49	3.264	
10,100.0	6,210.0	6,203.0	6,203.0	113.2	124.1	-90.00	-544.4	-3,132.1	859.3	622.0	237.28	3.622	
10,200.0	6,210.0	6,203.0	6,203.0	116.0	124.1	-90.00	-544.4	-3,132.1	954.5	714.4	240.06	3.976	

Company:	Synergy Resources	Local Co-ordinate Reference:	Well SRC Cannon 24-16NHZ
Project:	SEC.16-T4N-R68W	TVD Reference:	WELL @ 4943.0ft (Original Well Elev)
Reference Site:	SRC Cannon Pad Sec.16-T4N-R68W	MD Reference:	WELL @ 4943.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	SRC Cannon 24-16NHZ	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	Landmark
Reference Design:	Plan #1 (10-20-14)	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.0 ft
Survey Program: 0-MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.0	0.0	0.0	0.0	0.0	0.0	180.00	-67.4	0.0	67.4					
100.0	100.0	99.0	99.0	0.1	0.1	180.00	-67.4	0.0	67.4	67.2	0.22	301.357		
200.0	200.0	199.0	199.0	0.3	0.3	180.00	-67.4	0.0	67.4	66.7	0.67	100.285		
300.0	300.0	299.0	299.0	0.6	0.6	180.00	-67.4	0.0	67.4	66.3	1.12	60.091		
400.0	400.0	399.0	399.0	0.8	0.8	180.00	-67.4	0.0	67.4	65.8	1.57	42.897 CC, ES		
500.0	500.0	496.8	496.8	1.0	1.0	179.64	-69.0	0.4	69.0	67.0	1.99	34.664		
600.0	600.0	594.3	594.1	1.2	1.2	178.63	-73.7	1.8	73.9	71.5	2.40	30.752		
700.0	700.0	691.4	690.9	1.5	1.4	177.23	-81.7	4.0	82.2	79.3	2.84	28.939		
800.0	800.0	787.8	786.6	1.7	1.6	175.68	-92.6	7.0	93.7	90.4	3.30	28.402		
900.0	900.0	883.3	881.0	1.9	1.9	174.18	-106.6	10.9	108.6	104.9	3.79	28.674		
1,000.0	1,000.0	978.0	974.0	2.1	2.2	172.83	-123.4	15.5	126.8	122.5	4.30	29.469		
1,100.0	1,100.0	1,076.0	1,070.1	2.4	2.6	171.71	-142.2	20.7	146.5	141.7	4.85	30.217		
1,200.0	1,200.0	1,174.0	1,166.1	2.6	3.0	170.85	-160.9	25.9	166.3	160.9	5.40	30.782		
1,300.0	1,300.0	1,272.0	1,262.2	2.8	3.4	170.17	-179.7	31.1	186.1	180.1	5.96	31.213		
1,400.0	1,400.0	1,370.0	1,358.2	3.0	3.8	169.63	-198.5	36.3	205.9	199.3	6.52	31.552		
1,500.0	1,500.0	1,468.3	1,454.6	3.2	4.2	33.74	-217.3	41.6	224.3	217.8	6.45	34.769		
1,600.0	1,599.8	1,567.0	1,551.4	3.4	4.7	33.86	-236.2	46.8	239.8	232.9	6.88	34.858		
1,700.0	1,699.5	1,666.2	1,648.5	3.6	5.1	34.43	-255.2	52.1	252.5	245.1	7.32	34.490		
1,800.0	1,798.7	1,765.5	1,745.9	3.8	5.5	35.41	-274.3	57.3	262.5	254.7	7.78	33.744		
1,900.0	1,897.9	1,865.0	1,843.4	4.1	6.0	36.50	-293.3	62.6	271.9	263.7	8.26	32.928		
2,000.0	1,997.1	1,964.4	1,940.8	4.3	6.4	37.51	-312.4	67.9	281.5	272.7	8.75	32.166		
2,100.0	2,096.2	2,063.8	2,038.2	4.6	6.8	38.45	-331.4	73.2	291.1	281.9	9.25	31.456		
2,200.0	2,195.4	2,163.2	2,135.7	4.8	7.3	39.34	-350.5	78.5	300.8	291.0	9.77	30.794		
2,300.0	2,294.6	2,262.7	2,233.1	5.1	7.7	40.17	-369.5	83.7	310.6	300.3	10.29	30.177		
2,400.0	2,393.8	2,362.1	2,330.5	5.4	8.1	40.95	-388.6	89.0	320.4	309.6	10.82	29.602		
2,500.0	2,492.9	2,461.5	2,428.0	5.7	8.6	41.68	-407.6	94.3	330.3	318.9	11.36	29.064		
2,600.0	2,592.1	2,560.9	2,525.4	6.0	9.0	42.37	-426.7	99.6	340.2	328.3	11.91	28.562		
2,700.0	2,691.3	2,660.4	2,622.9	6.3	9.5	43.02	-445.7	104.9	350.2	337.7	12.47	28.093		
2,800.0	2,790.5	2,759.8	2,720.3	6.6	9.9	43.64	-464.8	110.1	360.2	347.2	13.03	27.654		
2,900.0	2,889.6	2,859.2	2,817.7	6.9	10.3	44.22	-483.8	115.4	370.3	356.7	13.59	27.243		
3,000.0	2,988.8	2,958.6	2,915.2	7.2	10.8	44.77	-502.9	120.7	380.4	366.2	14.16	26.858		
3,100.0	3,088.0	3,058.1	3,012.6	7.5	11.2	45.29	-521.9	126.0	390.5	375.8	14.74	26.496		
3,200.0	3,187.1	3,157.5	3,110.1	7.8	11.7	45.79	-541.0	131.2	400.7	385.3	15.32	26.156		
3,300.0	3,286.3	3,256.9	3,207.5	8.1	12.1	46.26	-560.0	136.5	410.8	394.9	15.90	25.836		
3,400.0	3,385.5	3,356.3	3,304.9	8.4	12.5	46.71	-579.1	141.8	421.1	404.6	16.49	25.534		
3,500.0	3,484.7	3,455.8	3,402.4	8.8	13.0	47.14	-598.1	147.1	431.3	414.2	17.08	25.249		
3,600.0	3,583.8	3,555.2	3,499.8	9.1	13.4	47.55	-617.2	152.4	441.5	423.9	17.68	24.981		
3,700.0	3,683.0	3,654.6	3,597.3	9.4	13.9	47.94	-636.2	157.6	451.8	433.6	18.27	24.727		
3,800.0	3,782.2	3,754.0	3,694.7	9.7	14.3	48.31	-655.3	162.9	462.1	443.3	18.87	24.486		
3,900.0	3,881.4	3,853.5	3,792.1	10.0	14.8	48.66	-674.3	168.2	472.4	453.0	19.48	24.258		
4,000.0	3,980.6	3,952.9	3,889.6	10.3	15.2	49.05	-693.3	173.5	483.1	463.0	20.06	24.076		
4,100.0	4,080.1	4,052.1	3,986.8	10.6	15.6	49.26	-712.4	178.8	493.6	475.1	20.57	24.091		
4,200.0	4,180.0	4,150.9	4,083.7	10.8	16.1	49.21	-731.3	184.0	503.5	485.5	21.03	24.275		
4,300.0	4,279.9	4,249.3	4,180.1	10.9	16.5	48.92	-750.1	189.2	513.6	506.2	21.43	24.618		
4,400.0	4,379.9	4,347.3	4,276.2	11.1	17.0	-176.24	-768.9	194.4	523.7	519.7	21.83	25.047		
4,500.0	4,479.9	4,445.3	4,372.2	11.3	17.4	-176.91	-787.7	199.6	533.8	537.9	22.25	25.740		
4,600.0	4,579.9	4,543.3	4,468.2	11.5	17.8	-177.53	-806.5	204.8	543.9	547.2	22.67	26.527		
4,700.0	4,679.9	4,641.3	4,564.3	11.6	18.3	-178.11	-825.3	210.0	554.0	557.5	23.10	27.419		
4,800.0	4,779.9	4,747.4	4,668.3	11.8	18.7	-178.69	-844.3	215.6	564.1	567.7	23.53	28.419		
4,900.0	4,879.9	4,847.4	4,791.6	12.0	19.1	-179.23	-863.5	221.1	574.2	577.8	23.96	29.534		
5,000.0	4,979.9	4,949.0	4,917.3	12.2	19.4	-179.61	-882.9	226.2	584.3	587.9	24.39	30.769		
5,100.0	5,079.9	5,126.8	5,044.6	12.4	19.6	-179.84	-889.2	227.8	586.6	589.9	24.82	32.133		

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

Company:	Synergy Resources	Local Co-ordinate Reference:	Well SRC Cannon 24-16NHZ
Project:	SEC.16-T4N-R68W	TVD Reference:	WELL @ 4943.0ft (Original Well Elev)
Reference Site:	SRC Cannon Pad Sec.16-T4N-R68W	MD Reference:	WELL @ 4943.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	SRC Cannon 24-16NHZ	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	Landmark
Reference Design:	Plan #1 (10-20-14)	Offset TVD Reference:	Offset Datum

Offset Design												Offset Site Error:	0.0 ft
Survey Program: 0-MWD												Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance						
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
5,200.0	5,179.9	5,255.1	5,172.9	12.5	19.8	-179.94	-893.2	228.9	659.7	628.5	31.16	21.174	
5,300.0	5,279.9	5,361.1	5,278.9	12.7	19.9	-179.94	-893.3	228.9	659.8	628.3	31.47	20.968	
5,400.0	5,379.9	5,461.1	5,378.9	12.9	20.0	-179.94	-893.3	228.9	659.8	628.0	31.76	20.773	
5,500.0	5,479.9	5,561.1	5,478.9	13.1	20.1	-179.94	-893.3	228.9	659.8	627.7	32.06	20.579	
5,600.0	5,579.7	5,660.9	5,578.7	13.2	20.2	-89.84	-893.3	228.9	659.8	633.4	26.39	25.003	
5,614.1	5,593.7	5,674.9	5,592.7	13.3	20.2	-90.00	-893.3	228.9	659.8	633.4	26.41	24.983	
5,700.0	5,677.8	5,759.8	5,677.6	13.3	20.3	-91.38	-893.3	228.1	660.0	633.5	26.49	24.910	
5,800.0	5,772.4	5,861.4	5,778.4	13.4	20.4	-93.16	-893.4	216.1	660.8	634.3	26.52	24.914	
5,900.0	5,861.5	5,966.2	5,879.5	13.4	20.4	-94.91	-893.7	189.0	662.3	635.7	26.56	24.938	
6,000.0	5,943.4	6,074.5	5,978.7	13.5	20.5	-96.59	-894.1	145.8	664.3	637.6	26.71	24.875	
6,100.0	6,016.7	6,186.4	6,073.2	13.6	20.5	-98.15	-894.7	85.9	666.7	639.6	27.12	24.582	
6,200.0	6,079.7	6,301.9	6,159.6	14.0	20.5	-99.55	-895.4	9.6	669.3	641.3	27.99	23.908	
6,300.0	6,131.3	6,420.8	6,234.6	15.0	20.6	-100.76	-896.3	-82.4	671.8	642.2	29.52	22.754	
6,400.0	6,170.5	6,542.6	6,294.6	16.4	20.7	-101.73	-897.3	-188.3	674.0	642.1	31.85	21.161	
6,500.0	6,196.6	6,667.0	6,336.5	18.0	21.1	-102.43	-898.4	-305.2	675.6	640.7	34.99	19.310	
6,600.0	6,208.9	6,792.9	6,357.6	20.0	22.3	-102.82	-899.6	-429.2	676.6	637.8	38.82	17.430	
6,700.0	6,210.0	6,905.1	6,360.0	22.1	24.0	-102.89	-900.6	-541.4	676.8	633.8	42.96	15.753	
6,800.0	6,210.0	7,005.1	6,360.0	24.3	26.0	-102.89	-901.6	-641.4	676.8	629.6	47.25	14.325	
6,900.0	6,210.0	7,105.1	6,360.0	26.6	28.1	-102.89	-902.5	-741.4	676.8	625.1	51.76	13.077	
7,000.0	6,210.0	7,205.1	6,360.0	29.1	30.3	-102.89	-903.5	-841.4	676.8	620.4	56.44	11.992	
7,100.0	6,210.0	7,305.1	6,360.0	31.5	32.7	-102.89	-904.5	-941.4	676.8	615.6	61.25	11.050	
7,200.0	6,210.0	7,405.1	6,360.0	34.1	35.1	-102.89	-905.4	-1,041.4	676.8	610.6	66.17	10.228	
7,300.0	6,210.0	7,505.1	6,360.0	36.6	37.6	-102.89	-906.4	-1,141.4	676.8	605.6	71.17	9.510	
7,400.0	6,210.0	7,605.1	6,360.0	39.3	40.1	-102.89	-907.3	-1,241.4	676.8	600.6	76.24	8.878	
7,500.0	6,210.0	7,705.1	6,360.0	41.9	42.7	-102.89	-908.3	-1,341.4	676.8	595.4	81.36	8.319	
7,600.0	6,210.0	7,805.1	6,360.0	44.5	45.3	-102.89	-909.2	-1,441.3	676.8	590.3	86.52	7.823	
7,700.0	6,210.0	7,905.1	6,360.0	47.2	47.9	-102.89	-910.2	-1,541.3	676.8	585.1	91.72	7.379	
7,800.0	6,210.0	8,005.1	6,360.0	49.9	50.5	-102.89	-911.1	-1,641.3	676.8	579.8	96.95	6.981	
7,900.0	6,210.0	8,105.1	6,360.0	52.6	53.2	-102.89	-912.1	-1,741.3	676.8	574.6	102.21	6.622	
8,000.0	6,210.0	8,205.1	6,360.0	55.3	55.8	-102.89	-913.0	-1,841.3	676.8	569.3	107.49	6.296	
8,100.0	6,210.0	8,305.1	6,360.0	58.0	58.5	-102.89	-914.0	-1,941.3	676.8	564.0	112.79	6.001	
8,200.0	6,210.0	8,405.1	6,360.0	60.7	61.2	-102.89	-914.9	-2,041.3	676.8	558.7	118.10	5.731	
8,300.0	6,210.0	8,505.1	6,360.0	63.5	63.9	-102.89	-915.9	-2,141.3	676.8	553.4	123.43	5.483	
8,400.0	6,210.0	8,605.1	6,360.0	66.2	66.6	-102.89	-916.9	-2,241.3	676.8	548.0	128.78	5.256	
8,500.0	6,210.0	8,705.1	6,360.0	68.9	69.3	-102.89	-917.8	-2,341.3	676.8	542.7	134.13	5.046	
8,600.0	6,210.0	8,805.1	6,360.0	71.7	72.1	-102.89	-918.8	-2,441.3	676.8	537.3	139.49	4.852	
8,700.0	6,210.0	8,905.1	6,360.0	74.4	74.8	-102.89	-919.7	-2,541.3	676.8	531.9	144.86	4.672	
8,800.0	6,210.0	9,005.1	6,360.0	77.2	77.5	-102.89	-920.7	-2,641.3	676.8	526.5	150.24	4.505	
8,900.0	6,210.0	9,105.1	6,360.0	80.0	80.3	-102.89	-921.6	-2,741.3	676.8	521.2	155.63	4.349	
9,000.0	6,210.0	9,205.1	6,360.0	82.7	83.0	-102.89	-922.6	-2,841.3	676.8	515.8	161.03	4.203	
9,100.0	6,210.0	9,305.1	6,360.0	85.5	85.7	-102.89	-923.5	-2,941.3	676.8	510.4	166.42	4.067	
9,200.0	6,210.0	9,405.1	6,360.0	88.2	88.5	-102.89	-924.5	-3,041.3	676.8	505.0	171.83	3.939	
9,300.0	6,210.0	9,505.1	6,360.0	91.0	91.3	-102.89	-925.4	-3,141.3	676.8	499.5	177.24	3.819	
9,400.0	6,210.0	9,605.1	6,360.0	93.8	94.0	-102.89	-926.4	-3,241.3	676.8	494.1	182.65	3.705	
9,500.0	6,210.0	9,705.1	6,360.0	96.6	96.8	-102.89	-927.3	-3,341.3	676.8	488.7	188.07	3.599	
9,600.0	6,210.0	9,805.1	6,360.0	99.3	99.5	-102.89	-928.3	-3,441.3	676.8	483.3	193.49	3.498	
9,700.0	6,210.0	9,905.1	6,360.0	102.1	102.3	-102.89	-929.2	-3,541.3	676.8	477.9	198.91	3.402	
9,800.0	6,210.0	10,005.1	6,360.0	104.9	105.1	-102.89	-930.2	-3,641.2	676.8	472.4	204.34	3.312	
9,900.0	6,210.0	10,105.1	6,360.0	107.7	107.8	-102.89	-931.2	-3,741.2	676.8	467.0	209.77	3.226	
10,000.0	6,210.0	10,205.1	6,360.0	110.5	110.6	-102.89	-932.1	-3,841.2	676.8	461.6	215.20	3.145	
10,100.0	6,210.0	10,305.1	6,360.0	113.2	113.4	-102.89	-933.1	-3,941.2	676.8	456.1	220.63	3.067	
10,200.0	6,210.0	10,405.1	6,360.0	116.0	116.2	-102.89	-934.0	-4,041.2	676.8	450.7	226.07	2.994	

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

Company:	Synergy Resources	Local Co-ordinate Reference:	Well SRC Cannon 24-16NHZ
Project:	SEC.16-T4N-R68W	TVD Reference:	WELL @ 4943.0ft (Original Well Elev)
Reference Site:	SRC Cannon Pad Sec.16-T4N-R68W	MD Reference:	WELL @ 4943.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	SRC Cannon 24-16NHZ	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	Landmark
Reference Design:	Plan #1 (10-20-14)	Offset TVD Reference:	Offset Datum

Offset Design												Offset Site Error:	0.0 ft
SRC Cannon Pad Sec.16-T4N-R68W - SRC Cannon 14-16CHZ - Wellbore #1 - Plan #1 (10-20-14)												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
10,300.0	6,210.0	10,505.1	6,360.0	118.8	118.9	-102.89	-935.0	-4,141.2	676.8	445.3	231.51	2.923	
10,400.0	6,210.0	10,605.1	6,360.0	121.6	121.7	-102.89	-935.9	-4,241.2	676.8	439.8	236.95	2.856	
10,500.0	6,210.0	10,705.1	6,360.0	124.4	124.5	-102.89	-936.9	-4,341.2	676.8	434.4	242.39	2.792	
10,600.0	6,210.0	10,805.1	6,360.0	127.2	127.3	-102.89	-937.8	-4,441.2	676.8	428.9	247.84	2.731	
10,688.5	6,210.0	10,893.7	6,360.0	129.6	129.7	-102.89	-938.7	-4,529.8	676.8	424.1	252.65	2.679 SF	

Company:	Synergy Resources	Local Co-ordinate Reference:	Well SRC Cannon 24-16NHZ
Project:	SEC.16-T4N-R68W	TVD Reference:	WELL @ 4943.0ft (Original Well Elev)
Reference Site:	SRC Cannon Pad Sec.16-T4N-R68W	MD Reference:	WELL @ 4943.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	SRC Cannon 24-16NHZ	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	Landmark
Reference Design:	Plan #1 (10-20-14)	Offset TVD Reference:	Offset Datum

Offset Design SRC Cannon Pad Sec.16-T4N-R68W - SRC Cannon 14-16NHZ - Wellbore #1 - Plan #1 (10-20-14)													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	-44.8	0.0	44.8					
100.0	100.0	99.0	99.0	0.1	0.1	180.00	-44.8	0.0	44.8	44.6	0.22	200.288		
200.0	200.0	199.0	199.0	0.3	0.3	180.00	-44.8	0.0	44.8	44.1	0.67	66.652		
300.0	300.0	299.0	299.0	0.6	0.6	180.00	-44.8	0.0	44.8	43.7	1.12	39.938		
400.0	400.0	399.0	399.0	0.8	0.8	180.00	-44.8	0.0	44.8	43.2	1.57	28.510		
500.0	500.0	499.0	499.0	1.0	1.0	180.00	-44.8	0.0	44.8	42.8	2.02	22.168		
600.0	600.0	599.0	599.0	1.2	1.2	180.00	-44.8	0.0	44.8	42.3	2.47	18.134		
700.0	700.0	699.0	699.0	1.5	1.5	180.00	-44.8	0.0	44.8	41.9	2.92	15.342		
800.0	800.0	799.0	799.0	1.7	1.7	180.00	-44.8	0.0	44.8	41.4	3.37	13.295 CC, ES		
900.0	900.0	897.5	897.5	1.9	1.9	179.30	-46.4	0.6	46.4	42.6	3.79	12.241		
1,000.0	1,000.0	995.8	995.7	2.1	2.1	177.43	-51.1	2.3	51.2	47.0	4.19	12.220		
1,100.0	1,100.0	1,093.6	1,093.1	2.4	2.3	175.00	-58.9	5.2	59.4	54.8	4.61	12.887		
1,200.0	1,200.0	1,190.8	1,189.6	2.6	2.5	172.56	-69.8	9.1	71.0	66.0	5.05	14.059		
1,300.0	1,300.0	1,287.0	1,284.7	2.8	2.7	170.39	-83.6	14.1	86.0	80.5	5.51	15.595		
1,400.0	1,400.0	1,385.2	1,381.3	3.0	3.0	168.66	-99.5	20.0	103.1	97.1	6.00	17.175		
1,500.0	1,500.0	1,483.9	1,478.6	3.2	3.3	32.21	-115.6	25.8	118.8	112.4	6.31	18.821		
1,600.0	1,599.8	1,583.1	1,576.3	3.4	3.7	32.27	-131.8	31.7	131.5	124.8	6.71	19.615		
1,700.0	1,699.5	1,682.6	1,674.2	3.6	4.0	33.08	-148.0	37.6	141.4	134.3	7.12	19.870		
1,800.0	1,798.7	1,782.2	1,772.4	3.8	4.4	34.54	-164.2	43.5	148.6	141.1	7.55	19.684		
1,900.0	1,897.9	1,881.9	1,870.6	4.1	4.7	36.10	-180.4	49.4	155.2	147.2	8.01	19.376		
2,000.0	1,997.1	1,981.6	1,968.8	4.3	5.1	37.52	-196.6	55.4	161.9	153.4	8.49	19.082		
2,100.0	2,096.2	2,081.3	2,067.0	4.6	5.5	38.84	-212.9	61.3	168.7	159.7	8.97	18.800		
2,200.0	2,195.4	2,181.0	2,165.2	4.8	5.9	40.05	-229.1	67.2	175.6	166.1	9.48	18.530		
2,300.0	2,294.6	2,280.7	2,263.3	5.1	6.2	41.17	-245.3	73.1	182.6	172.6	9.99	18.273		
2,400.0	2,393.8	2,380.4	2,361.5	5.4	6.6	42.20	-261.6	79.0	189.6	179.1	10.52	18.030		
2,500.0	2,492.9	2,480.1	2,459.7	5.7	7.0	43.16	-277.8	85.0	196.7	185.6	11.05	17.798		
2,600.0	2,592.1	2,579.8	2,557.9	6.0	7.4	44.06	-294.0	90.9	203.8	192.2	11.59	17.580		
2,700.0	2,691.3	2,679.5	2,656.1	6.3	7.8	44.89	-310.3	96.8	211.0	198.8	12.14	17.372		
2,800.0	2,790.5	2,779.2	2,754.3	6.6	8.2	45.67	-326.5	102.7	218.2	205.5	12.70	17.177		
2,900.0	2,889.6	2,878.9	2,852.5	6.9	8.6	46.40	-342.7	108.6	225.4	212.2	13.27	16.992		
3,000.0	2,988.8	2,978.6	2,950.7	7.2	9.0	47.09	-359.0	114.5	232.7	218.9	13.84	16.817		
3,100.0	3,088.0	3,078.3	3,048.8	7.5	9.4	47.73	-375.2	120.5	240.1	225.6	14.42	16.652		
3,200.0	3,187.1	3,178.0	3,147.0	7.8	9.8	48.33	-391.4	126.4	247.4	232.4	15.00	16.495		
3,300.0	3,286.3	3,277.7	3,245.2	8.1	10.2	48.90	-407.6	132.3	254.8	239.2	15.59	16.348		
3,400.0	3,385.5	3,377.4	3,343.4	8.4	10.6	49.44	-423.9	138.2	262.2	246.0	16.18	16.208		
3,500.0	3,484.7	3,477.1	3,441.6	8.8	11.0	49.95	-440.1	144.1	269.6	252.8	16.77	16.076		
3,600.0	3,583.8	3,576.8	3,539.8	9.1	11.4	50.43	-456.3	150.0	277.0	259.7	17.37	15.950		
3,700.0	3,683.0	3,676.5	3,638.0	9.4	11.8	50.88	-472.6	156.0	284.5	266.5	17.97	15.831		
3,800.0	3,782.2	3,776.2	3,736.2	9.7	12.1	51.32	-488.8	161.9	292.0	273.4	18.58	15.719		
3,900.0	3,881.4	3,875.9	3,834.4	10.0	12.5	51.73	-505.0	167.8	299.5	280.3	19.18	15.612		
4,000.0	3,980.6	3,975.5	3,932.5	10.3	12.9	52.12	-521.3	173.7	307.2	287.5	19.77	15.536		
4,100.0	4,080.1	4,075.1	4,030.6	10.6	13.3	52.15	-537.5	179.6	316.8	296.6	20.28	15.626		
4,200.0	4,180.0	4,174.3	4,128.3	10.8	13.7	51.74	-553.6	185.5	328.6	307.9	20.71	15.865		
4,300.0	4,279.9	4,273.1	4,225.6	10.9	14.1	50.95	-569.7	191.4	342.6	321.5	21.08	16.250		
4,400.0	4,379.9	4,371.6	4,322.6	11.1	14.5	-174.75	-585.7	197.2	358.2	334.2	23.99	14.927		
4,500.0	4,479.9	4,470.1	4,419.6	11.3	14.9	-175.88	-601.8	203.1	374.0	349.3	24.65	15.173		
4,600.0	4,579.9	4,568.6	4,516.6	11.5	15.3	-176.92	-617.8	208.9	389.9	364.6	25.29	15.415		
4,700.0	4,679.9	4,668.7	4,615.2	11.6	15.7	-177.89	-634.1	214.8	405.9	379.9	25.93	15.652		
4,800.0	4,779.9	4,782.9	4,728.1	11.8	16.0	-178.78	-650.1	220.7	419.8	393.3	26.50	15.843		
4,900.0	4,879.9	4,898.3	4,842.8	12.0	16.3	-179.39	-662.0	225.0	430.1	403.1	26.99	15.933		
5,000.0	4,979.9	5,014.5	4,958.7	12.2	16.5	-179.76	-669.6	227.8	436.6	409.2	27.42	15.920		
5,100.0	5,079.9	5,131.2	5,075.4	12.4	16.7	-179.92	-672.8	229.0	439.3	411.5	27.80	15.800		

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

Company:	Synergy Resources	Local Co-ordinate Reference:	Well SRC Cannon 24-16NHZ
Project:	SEC.16-T4N-R68W	TVD Reference:	WELL @ 4943.0ft (Original Well Elev)
Reference Site:	SRC Cannon Pad Sec.16-T4N-R68W	MD Reference:	WELL @ 4943.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	SRC Cannon 24-16NHZ	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	Landmark
Reference Design:	Plan #1 (10-20-14)	Offset TVD Reference:	Offset Datum

Offset Design												Offset Site Error:	0.0ft
Survey Program: 0-MWD												Offset Well Error:	0.0ft
Reference		Offset		Semi Major Axis			Distance						
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
5,200.0	5,179.9	5,234.8	5,178.9	12.5	16.8	-179.92	-672.9	229.0	439.4	411.3	28.13	15.618	
5,300.0	5,279.9	5,334.8	5,278.9	12.7	17.0	-179.92	-672.9	229.0	439.4	410.9	28.45	15.443	
5,400.0	5,379.9	5,434.8	5,378.9	12.9	17.1	-179.92	-672.9	229.0	439.4	410.6	28.77	15.271	
5,500.0	5,479.9	5,534.8	5,478.9	13.1	17.2	-179.92	-672.9	229.0	439.4	410.3	29.10	15.102	
5,600.0	5,579.7	5,634.2	5,578.2	13.2	17.3	-89.39	-672.9	224.0	439.4	413.6	25.79	17.038	
5,700.0	5,677.8	5,733.6	5,675.7	13.3	17.4	-89.43	-673.1	205.5	439.4	413.4	25.97	16.919	
5,800.0	5,772.4	5,833.0	5,769.8	13.4	17.4	-89.47	-673.4	173.7	439.4	413.3	26.08	16.845	
5,900.0	5,861.5	5,932.4	5,858.6	13.4	17.4	-89.53	-673.9	129.1	439.4	413.2	26.23	16.754	
5,952.2	5,905.3	5,984.4	5,902.4	13.5	17.4	-89.56	-674.1	101.0	439.4	413.0	26.37	16.659	
6,000.0	5,943.4	6,032.0	5,940.5	13.5	17.5	-89.59	-674.4	72.6	439.4	412.8	26.54	16.555	
6,100.0	6,016.7	6,131.6	6,013.8	13.6	17.5	-89.67	-675.0	5.3	439.4	412.2	27.21	16.146	
6,200.0	6,079.7	6,231.2	6,077.1	14.0	17.5	-89.75	-675.8	-71.6	439.4	411.0	28.43	15.456	
6,300.0	6,131.3	6,331.0	6,129.1	15.0	17.6	-89.83	-676.6	-156.6	439.4	409.1	30.32	14.492	
6,400.0	6,170.5	6,430.9	6,168.9	16.4	18.0	-89.92	-677.5	-248.1	439.4	406.5	32.93	13.342	
6,500.0	6,196.6	6,530.8	6,195.6	18.0	19.1	-90.01	-678.4	-344.3	439.4	403.2	36.20	12.138	
6,600.0	6,208.9	6,630.9	6,208.7	20.0	20.7	-90.09	-679.4	-443.4	439.4	399.4	39.98	10.990	
6,700.0	6,210.0	6,730.9	6,210.0	22.1	22.7	-90.13	-680.3	-543.5	439.4	395.3	44.13	9.957	
6,800.0	6,210.0	6,830.9	6,210.0	24.3	24.9	-90.13	-681.3	-643.5	439.4	390.9	48.55	9.050	
6,900.0	6,210.0	6,930.9	6,210.0	26.6	27.1	-90.13	-682.2	-743.4	439.4	386.2	53.20	8.260	
7,000.0	6,210.0	7,030.9	6,210.0	29.1	29.5	-90.13	-683.2	-843.4	439.4	381.4	58.02	7.574	
7,100.0	6,210.0	7,130.9	6,210.0	31.5	31.9	-90.13	-684.2	-943.4	439.4	376.5	62.97	6.978	
7,200.0	6,210.0	7,230.9	6,210.0	34.1	34.4	-90.13	-685.1	-1,043.4	439.5	371.4	68.03	6.460	
7,300.0	6,210.0	7,330.9	6,210.0	36.6	37.0	-90.13	-686.1	-1,143.4	439.5	366.3	73.16	6.007	
7,400.0	6,210.0	7,430.9	6,210.0	39.3	39.5	-90.13	-687.0	-1,243.4	439.5	361.1	78.36	5.608	
7,500.0	6,210.0	7,530.9	6,210.0	41.9	42.1	-90.13	-688.0	-1,343.4	439.5	355.9	83.61	5.256	
7,600.0	6,210.0	7,630.9	6,210.0	44.5	44.8	-90.13	-689.0	-1,443.4	439.5	350.6	88.91	4.943	
7,700.0	6,210.0	7,730.9	6,210.0	47.2	47.4	-90.13	-689.9	-1,543.4	439.5	345.2	94.24	4.664	
7,800.0	6,210.0	7,830.9	6,210.0	49.9	50.1	-90.13	-690.9	-1,643.4	439.5	339.9	99.60	4.412	
7,900.0	6,210.0	7,930.9	6,210.0	52.6	52.8	-90.13	-691.9	-1,743.4	439.5	334.5	104.99	4.186	
8,000.0	6,210.0	8,030.9	6,210.0	55.3	55.5	-90.13	-692.8	-1,843.4	439.5	329.1	110.40	3.981	
8,100.0	6,210.0	8,130.9	6,210.0	58.0	58.2	-90.13	-693.8	-1,943.4	439.5	323.7	115.83	3.794	
8,200.0	6,210.0	8,230.9	6,210.0	60.7	60.9	-90.13	-694.7	-2,043.4	439.5	318.2	121.28	3.624	
8,300.0	6,210.0	8,330.9	6,210.0	63.5	63.6	-90.13	-695.7	-2,143.4	439.5	312.8	126.74	3.468	
8,400.0	6,210.0	8,430.9	6,210.0	66.2	66.3	-90.13	-696.7	-2,243.4	439.5	307.3	132.21	3.325	
8,500.0	6,210.0	8,530.9	6,210.0	68.9	69.0	-90.13	-697.6	-2,343.4	439.5	301.8	137.69	3.192	
8,600.0	6,210.0	8,630.9	6,210.0	71.7	71.8	-90.13	-698.6	-2,443.4	439.5	296.4	143.19	3.070	
8,700.0	6,210.0	8,730.9	6,210.0	74.4	74.5	-90.13	-699.5	-2,543.4	439.6	290.9	148.69	2.956	
8,800.0	6,210.0	8,830.9	6,210.0	77.2	77.3	-90.13	-700.5	-2,643.4	439.6	285.4	154.20	2.851	
8,900.0	6,210.0	8,930.9	6,210.0	80.0	80.0	-90.13	-701.5	-2,743.4	439.6	279.9	159.72	2.752	
9,000.0	6,210.0	9,030.9	6,210.0	82.7	82.8	-90.13	-702.4	-2,843.4	439.6	274.3	165.24	2.660	
9,100.0	6,210.0	9,130.9	6,210.0	85.5	85.5	-90.13	-703.4	-2,943.3	439.6	268.8	170.77	2.574	
9,200.0	6,210.0	9,230.9	6,210.0	88.2	88.3	-90.13	-704.3	-3,043.3	439.6	263.3	176.30	2.493	
9,300.0	6,210.0	9,330.9	6,210.0	91.0	91.0	-90.13	-705.3	-3,143.3	439.6	257.8	181.84	2.417	
9,400.0	6,210.0	9,430.9	6,210.0	93.8	93.8	-90.13	-706.3	-3,243.3	439.6	252.2	187.38	2.346	
9,500.0	6,210.0	9,530.9	6,210.0	96.6	96.6	-90.13	-707.2	-3,343.3	439.6	246.7	192.93	2.279	
9,600.0	6,210.0	9,630.9	6,210.0	99.3	99.3	-90.13	-708.2	-3,443.3	439.6	241.1	198.48	2.215	
9,700.0	6,210.0	9,730.9	6,210.0	102.1	102.1	-90.13	-709.2	-3,543.3	439.6	235.6	204.03	2.155	
9,800.0	6,210.0	9,830.9	6,210.0	104.9	104.9	-90.13	-710.1	-3,643.3	439.6	230.0	209.59	2.098	
9,900.0	6,210.0	9,930.9	6,210.0	107.7	107.7	-90.13	-711.1	-3,743.3	439.6	224.5	215.15	2.043	
10,000.0	6,210.0	10,030.9	6,210.0	110.5	110.4	-90.13	-712.0	-3,843.3	439.6	218.9	220.71	1.992	
10,100.0	6,210.0	10,130.9	6,210.0	113.2	113.2	-90.13	-713.0	-3,943.3	439.6	213.4	226.27	1.943	
10,200.0	6,210.0	10,230.9	6,210.0	116.0	116.0	-90.13	-714.0	-4,043.3	439.7	207.8	231.84	1.896	

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

Company:	Synergy Resources	Local Co-ordinate Reference:	Well SRC Cannon 24-16NHZ
Project:	SEC.16-T4N-R68W	TVD Reference:	WELL @ 4943.0ft (Original Well Elev)
Reference Site:	SRC Cannon Pad Sec.16-T4N-R68W	MD Reference:	WELL @ 4943.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	SRC Cannon 24-16NHZ	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	Landmark
Reference Design:	Plan #1 (10-20-14)	Offset TVD Reference:	Offset Datum

Offset Design SRC Cannon Pad Sec.16-T4N-R68W - SRC Cannon 14-16NHZ - Wellbore #1 - Plan #1 (10-20-14)												Offset Site Error:	0.0 ft
Survey Program: 0-MWD												Offset Well Error:	0.0 ft
Reference	Offset	Semi Major Axis		Distance									
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
10,300.0	6,210.0	10,330.9	6,210.0	118.8	118.8	-90.13	-714.9	-4,143.3	439.7	202.3	237.41	1.852	
10,400.0	6,210.0	10,430.9	6,210.0	121.6	121.6	-90.13	-715.9	-4,243.3	439.7	196.7	242.98	1.809	
10,500.0	6,210.0	10,530.9	6,210.0	124.4	124.3	-90.13	-716.8	-4,343.3	439.7	191.1	248.55	1.769	
10,600.0	6,210.0	10,630.9	6,210.0	127.2	127.1	-90.13	-717.8	-4,443.3	439.7	185.6	254.12	1.730	
10,688.5	6,210.0	10,719.5	6,210.0	129.6	129.6	-90.13	-718.7	-4,531.8	439.7	180.6	259.05	1.697 SF	

SRC Cannon Pad Sec.16-T4N-R68W - SRC Cannon 24-16CHZ - Wellbore #1 - Plan #1 (10-20-14)												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 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	-22.2	0.0	22.2				
100.0	100.0	100.0	100.0	0.1	0.1	180.00	-22.2	0.0	22.2	22.0	0.22	98.797	
200.0	200.0	200.0	200.0	0.3	0.3	180.00	-22.2	0.0	22.2	21.5	0.67	32.932	
300.0	300.0	300.0	300.0	0.6	0.6	180.00	-22.2	0.0	22.2	21.1	1.12	19.759	
400.0	400.0	400.0	400.0	0.8	0.8	180.00	-22.2	0.0	22.2	20.6	1.57	14.114	
500.0	500.0	500.0	500.0	1.0	1.0	180.00	-22.2	0.0	22.2	20.2	2.02	10.977	
600.0	600.0	600.0	600.0	1.2	1.2	180.00	-22.2	0.0	22.2	19.7	2.47	8.982	
700.0	700.0	700.0	700.0	1.5	1.5	180.00	-22.2	0.0	22.2	19.3	2.92	7.600	
800.0	800.0	800.0	800.0	1.7	1.7	180.00	-22.2	0.0	22.2	18.8	3.37	6.586	
900.0	900.0	900.0	900.0	1.9	1.9	180.00	-22.2	0.0	22.2	18.4	3.82	5.812	
1,000.0	1,000.0	1,000.0	1,000.0	2.1	2.1	180.00	-22.2	0.0	22.2	17.9	4.27	5.200 CC, ES	
1,100.0	1,100.0	1,099.3	1,099.3	2.4	2.3	178.05	-23.7	0.8	23.8	19.1	4.69	5.062	
1,200.0	1,200.0	1,198.3	1,198.2	2.6	2.5	173.50	-28.3	3.2	28.5	23.4	5.10	5.594	
1,300.0	1,300.0	1,296.9	1,296.4	2.8	2.7	168.60	-35.8	7.2	36.7	31.2	5.51	6.651	
1,400.0	1,400.0	1,394.8	1,393.5	3.0	2.9	164.58	-46.2	12.7	48.3	42.4	5.95	8.125	
1,500.0	1,500.0	1,494.0	1,491.8	3.2	3.2	26.94	-58.3	19.2	60.3	54.0	6.33	9.535	
1,600.0	1,599.8	1,593.6	1,590.4	3.4	3.4	26.76	-70.4	25.6	69.3	62.6	6.71	10.330	
1,700.0	1,699.5	1,693.4	1,689.3	3.6	3.7	27.82	-82.6	32.1	75.1	68.0	7.10	10.584	
1,800.0	1,798.7	1,793.3	1,788.2	3.8	4.0	29.92	-94.8	38.5	78.1	70.6	7.51	10.398	
1,900.0	1,897.9	1,893.2	1,887.2	4.1	4.3	32.20	-106.9	45.0	80.5	72.5	7.95	10.119	
2,000.0	1,997.1	1,993.2	1,986.2	4.3	4.6	34.34	-119.1	51.5	83.0	74.6	8.41	9.863	
2,100.0	2,096.2	2,093.1	2,085.1	4.6	4.9	36.36	-131.3	58.0	85.6	76.7	8.89	9.629	
2,200.0	2,195.4	2,193.0	2,184.1	4.8	5.2	38.25	-143.5	64.4	88.3	78.9	9.38	9.414	
2,300.0	2,294.6	2,292.9	2,283.1	5.1	5.5	40.03	-155.6	70.9	91.1	81.2	9.89	9.216	
2,400.0	2,393.8	2,392.8	2,382.0	5.4	5.9	41.70	-167.8	77.4	94.0	83.6	10.40	9.033	
2,500.0	2,492.9	2,492.8	2,481.0	5.7	6.2	43.27	-180.0	83.8	96.9	86.0	10.94	8.864	
2,600.0	2,592.1	2,592.7	2,580.0	6.0	6.5	44.75	-192.2	90.3	100.0	88.5	11.48	8.708	
2,700.0	2,691.3	2,692.6	2,678.9	6.3	6.9	46.14	-204.4	96.8	103.1	91.0	12.03	8.563	
2,800.0	2,790.5	2,792.5	2,777.9	6.6	7.2	47.45	-216.5	103.2	106.2	93.6	12.60	8.429	
2,900.0	2,889.6	2,892.4	2,876.9	6.9	7.5	48.68	-228.7	109.7	109.4	96.2	13.17	8.305	
3,000.0	2,988.8	2,992.4	2,975.8	7.2	7.9	49.84	-240.9	116.2	112.6	98.9	13.75	8.190	
3,100.0	3,088.0	3,092.3	3,074.8	7.5	8.2	50.94	-253.1	122.7	115.9	101.6	14.34	8.082	
3,200.0	3,187.1	3,192.2	3,173.8	7.8	8.5	51.98	-265.2	129.1	119.3	104.3	14.94	7.983	
3,300.0	3,286.3	3,292.1	3,272.7	8.1	8.9	52.96	-277.4	135.6	122.6	107.1	15.54	7.890	
3,400.0	3,385.5	3,392.1	3,371.7	8.4	9.2	53.88	-289.6	142.1	126.0	109.9	16.15	7.804	
3,500.0	3,484.7	3,492.0	3,470.7	8.8	9.6	54.76	-301.8	148.5	129.5	112.7	16.76	7.723	
3,600.0	3,583.8	3,591.9	3,569.6	9.1	9.9	55.59	-313.9	155.0	132.9	115.5	17.38	7.648	
3,700.0	3,683.0	3,691.8	3,668.6	9.4	10.2	56.38	-326.1	161.5	136.4	118.4	18.00	7.577	
3,800.0	3,782.2	3,791.7	3,767.6	9.7	10.6	57.13	-338.3	168.0	139.9	121.3	18.63	7.511	
3,900.0	3,881.4	3,891.7	3,866.5	10.0	10.9	57.85	-350.5	174.4	143.4	124.2	19.25	7.450	
4,000.0	3,980.6	3,991.6	3,965.5	10.3	11.3	58.42	-362.7	180.9	147.2	127.3	19.86	7.411	
4,100.0	4,080.1	4,091.4	4,064.4	10.6	11.6	58.05	-374.8	187.4	152.6	132.2	20.35	7.498	
4,200.0	4,180.0	4,191.1	4,163.1	10.8	12.0	56.69	-387.0	193.8	159.8	139.1	20.73	7.709	
4,300.0	4,279.9	4,290.4	4,261.5	10.9	12.3	54.52	-399.1	200.2	169.2	148.2	21.03	8.047	
4,400.0	4,379.9	4,389.5	4,359.6	11.1	12.7	-172.64	-411.1	206.7	180.3	158.4	21.87	8.242	
4,500.0	4,479.9	4,488.5	4,457.7	11.3	13.0	-175.02	-423.2	213.1	191.7	169.2	22.55	8.503	
4,600.0	4,579.9	4,590.9	4,559.1	11.5	13.3	-177.12	-435.2	219.5	203.1	179.9	23.19	8.757	
4,700.0	4,679.9	4,697.1	4,664.8	11.6	13.6	-178.61	-444.7	224.5	211.8	188.1	23.71	8.930	
4,800.0	4,779.9	4,803.9	4,771.3	11.8	13.8	-179.48	-450.7	227.6	217.3	193.2	24.17	8.994	
4,900.0	4,879.9	4,911.0	4,878.5	12.0	13.9	-179.83	-453.1	229.0	219.6	195.1	24.55	8.945	
5,000.0	4,979.9	5,012.5	4,979.9	12.2	14.1	-179.84	-453.2	229.0	219.7	194.8	24.90	8.822	
5,100.0	5,079.9	5,112.5	5,079.9	12.4	14.2	-179.84	-453.2	229.0	219.7	194.5	25.24	8.704	

Company:	Synergy Resources	Local Co-ordinate Reference:	Well SRC Cannon 24-16NHZ
Project:	SEC.16-T4N-R68W	TVD Reference:	WELL @ 4943.0ft (Original Well Elev)
Reference Site:	SRC Cannon Pad Sec.16-T4N-R68W	MD Reference:	WELL @ 4943.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	SRC Cannon 24-16NHZ	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	Landmark
Reference Design:	Plan #1 (10-20-14)	Offset TVD Reference:	Offset Datum

Offset Design												Offset Site Error:	0.0 ft
Survey Program: 0-MWD												Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance						
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
5,200.0	5,179.9	5,212.5	5,179.9	12.5	14.4	-179.84	-453.2	229.0	219.7	194.1	25.59	8.587	
5,300.0	5,279.9	5,312.5	5,279.9	12.7	14.5	-179.84	-453.2	229.0	219.7	193.8	25.93	8.473	
5,400.0	5,379.9	5,412.5	5,379.9	12.9	14.7	-179.84	-453.2	229.0	219.7	193.4	26.28	8.360	
5,500.0	5,479.9	5,512.5	5,479.9	13.1	14.8	-179.84	-453.2	229.0	219.7	193.1	26.63	8.250	
5,567.0	5,546.8	5,579.4	5,546.8	13.2	14.9	-90.00	-453.2	229.0	219.7	194.4	25.25	8.700	
5,600.0	5,579.7	5,612.3	5,579.7	13.2	15.0	-90.64	-453.2	229.0	219.7	194.4	25.32	8.676	
5,700.0	5,677.8	5,711.4	5,678.8	13.3	15.1	-95.22	-453.2	228.1	220.6	195.3	25.30	8.722	
5,800.0	5,772.4	5,813.7	5,780.2	13.4	15.2	-100.43	-453.3	215.9	223.5	198.4	25.18	8.879	
5,900.0	5,861.5	5,919.2	5,882.0	13.4	15.3	-105.37	-453.6	188.2	228.2	203.1	25.04	9.111	
6,000.0	5,943.4	6,028.2	5,981.6	13.5	15.3	-109.90	-454.0	144.3	234.1	209.2	24.96	9.380	
6,100.0	6,016.7	6,140.7	6,076.3	13.6	15.4	-113.89	-454.6	83.7	240.9	215.8	25.03	9.624	
6,200.0	6,079.7	6,256.8	6,162.7	14.0	15.4	-117.29	-455.3	6.4	247.8	222.4	25.40	9.754	
6,300.0	6,131.3	6,376.1	6,237.4	15.0	15.4	-120.05	-456.2	-86.5	254.3	228.0	26.30	9.669	
6,400.0	6,170.5	6,498.3	6,296.8	16.4	16.0	-122.13	-457.3	-193.1	259.7	231.9	27.81	9.339	
6,500.0	6,196.6	6,622.8	6,337.9	18.0	17.8	-123.52	-458.4	-310.5	263.7	233.6	30.11	8.757	
6,600.0	6,208.9	6,748.8	6,358.1	20.0	20.1	-124.23	-459.6	-434.6	265.8	232.7	33.13	8.024	
6,700.0	6,210.0	6,859.8	6,360.0	22.1	22.4	-124.32	-460.7	-545.6	266.1	229.4	36.64	7.262	
6,800.0	6,210.0	6,959.8	6,360.0	24.3	24.6	-124.32	-461.6	-645.6	266.1	225.7	40.33	6.597	
6,900.0	6,210.0	7,059.8	6,360.0	26.6	26.9	-124.32	-462.6	-745.6	266.1	221.9	44.22	6.018	
7,000.0	6,210.0	7,159.8	6,360.0	29.1	29.3	-124.32	-463.5	-845.6	266.1	217.8	48.25	5.514	
7,100.0	6,210.0	7,259.8	6,360.0	31.5	31.7	-124.31	-464.5	-945.5	266.1	213.7	52.40	5.078	
7,200.0	6,210.0	7,359.8	6,360.0	34.1	34.2	-124.31	-465.5	-1,045.5	266.1	209.5	56.64	4.698	
7,300.0	6,210.0	7,459.8	6,360.0	36.6	36.8	-124.31	-466.4	-1,145.5	266.1	205.2	60.94	4.366	
7,400.0	6,210.0	7,559.8	6,360.0	39.3	39.4	-124.31	-467.4	-1,245.5	266.1	200.8	65.31	4.075	
7,500.0	6,210.0	7,659.8	6,360.0	41.9	42.0	-124.31	-468.3	-1,345.5	266.1	196.4	69.72	3.817	
7,600.0	6,210.0	7,759.8	6,360.0	44.5	44.6	-124.31	-469.3	-1,445.5	266.1	191.9	74.16	3.588	
7,700.0	6,210.0	7,859.8	6,360.0	47.2	47.3	-124.31	-470.3	-1,545.5	266.1	187.5	78.64	3.384	
7,800.0	6,210.0	7,959.8	6,360.0	49.9	49.9	-124.31	-471.2	-1,645.5	266.1	183.0	83.15	3.201	
7,900.0	6,210.0	8,059.8	6,360.0	52.6	52.6	-124.31	-472.2	-1,745.5	266.1	178.5	87.67	3.036	
8,000.0	6,210.0	8,159.8	6,360.0	55.3	55.3	-124.31	-473.2	-1,845.5	266.1	173.9	92.22	2.886	
8,100.0	6,210.0	8,259.8	6,360.0	58.0	58.0	-124.31	-474.1	-1,945.5	266.1	169.4	96.78	2.750	
8,200.0	6,210.0	8,359.8	6,360.0	60.7	60.8	-124.31	-475.1	-2,045.5	266.1	164.8	101.35	2.626	
8,300.0	6,210.0	8,459.8	6,360.0	63.5	63.5	-124.30	-476.0	-2,145.5	266.2	160.2	105.94	2.512	
8,400.0	6,210.0	8,559.8	6,360.0	66.2	66.2	-124.30	-477.0	-2,245.5	266.2	155.6	110.54	2.408	
8,500.0	6,210.0	8,659.8	6,360.0	68.9	68.9	-124.30	-478.0	-2,345.5	266.2	151.0	115.15	2.312	
8,600.0	6,210.0	8,759.8	6,360.0	71.7	71.7	-124.30	-478.9	-2,445.5	266.2	146.4	119.76	2.222	
8,700.0	6,210.0	8,859.8	6,360.0	74.4	74.4	-124.30	-479.9	-2,545.5	266.2	141.8	124.39	2.140	
8,800.0	6,210.0	8,959.8	6,360.0	77.2	77.2	-124.30	-480.8	-2,645.5	266.2	137.2	129.02	2.063	
8,900.0	6,210.0	9,059.8	6,360.0	80.0	79.9	-124.30	-481.8	-2,745.5	266.2	132.5	133.65	1.992	
9,000.0	6,210.0	9,159.8	6,360.0	82.7	82.7	-124.30	-482.8	-2,845.5	266.2	127.9	138.29	1.925	
9,100.0	6,210.0	9,259.8	6,360.0	85.5	85.5	-124.30	-483.7	-2,945.5	266.2	123.3	142.94	1.862	
9,200.0	6,210.0	9,359.8	6,360.0	88.2	88.2	-124.30	-484.7	-3,045.5	266.2	118.6	147.59	1.804	
9,300.0	6,210.0	9,459.8	6,360.0	91.0	91.0	-124.30	-485.7	-3,145.4	266.2	114.0	152.25	1.749	
9,400.0	6,210.0	9,559.8	6,360.0	93.8	93.8	-124.29	-486.6	-3,245.4	266.2	109.3	156.90	1.697	
9,500.0	6,210.0	9,659.8	6,360.0	96.6	96.5	-124.29	-487.6	-3,345.4	266.2	104.7	161.57	1.648	
9,600.0	6,210.0	9,759.8	6,360.0	99.3	99.3	-124.29	-488.5	-3,445.4	266.2	100.0	166.23	1.602	
9,700.0	6,210.0	9,859.8	6,360.0	102.1	102.1	-124.29	-489.5	-3,545.4	266.2	95.3	170.90	1.558	
9,800.0	6,210.0	9,959.8	6,360.0	104.9	104.8	-124.29	-490.5	-3,645.4	266.2	90.7	175.57	1.516	
9,900.0	6,210.0	10,059.8	6,360.0	107.7	107.6	-124.29	-491.4	-3,745.4	266.2	86.0	180.24	1.477 Level 3	
10,000.0	6,210.0	10,159.8	6,360.0	110.5	110.4	-124.29	-492.4	-3,845.4	266.3	81.3	184.92	1.440 Level 3	
10,100.0	6,210.0	10,259.8	6,360.0	113.2	113.2	-124.29	-493.3	-3,945.4	266.3	76.7	189.59	1.404 Level 3	
10,200.0	6,210.0	10,359.8	6,360.0	116.0	116.0	-124.29	-494.3	-4,045.4	266.3	72.0	194.27	1.371 Level 3	

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

Company:	Synergy Resources	Local Co-ordinate Reference:	Well SRC Cannon 24-16NHZ
Project:	SEC.16-T4N-R68W	TVD Reference:	WELL @ 4943.0ft (Original Well Elev)
Reference Site:	SRC Cannon Pad Sec.16-T4N-R68W	MD Reference:	WELL @ 4943.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	SRC Cannon 24-16NHZ	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	Landmark
Reference Design:	Plan #1 (10-20-14)	Offset TVD Reference:	Offset Datum

Offset Design												Offset Site Error:	0.0 ft
SRC Cannon Pad Sec.16-T4N-R68W - SRC Cannon 24-16CHZ - Wellbore #1 - Plan #1 (10-20-14)												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
10,300.0	6,210.0	10,459.8	6,360.0	118.8	118.7	-124.29	-495.3	-4,145.4	266.3	67.3	198.95	1.338	Level 3
10,400.0	6,210.0	10,559.8	6,360.0	121.6	121.5	-124.29	-496.2	-4,245.4	266.3	62.6	203.64	1.308	Level 3
10,500.0	6,210.0	10,659.8	6,360.0	124.4	124.3	-124.29	-497.2	-4,345.4	266.3	58.0	208.32	1.278	Level 3
10,600.0	6,210.0	10,759.8	6,360.0	127.2	127.1	-124.28	-498.2	-4,445.4	266.3	53.3	213.01	1.250	Level 3
10,688.5	6,210.0	10,848.3	6,360.0	129.6	129.1	-124.28	-499.0	-4,533.9	266.3	49.5	216.74	1.229	Level 2, SF

Company:	Synergy Resources	Local Co-ordinate Reference:	Well SRC Cannon 24-16NHZ
Project:	SEC.16-T4N-R68W	TVD Reference:	WELL @ 4943.0ft (Original Well Elev)
Reference Site:	SRC Cannon Pad Sec.16-T4N-R68W	MD Reference:	WELL @ 4943.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	SRC Cannon 24-16NHZ	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	Landmark
Reference Design:	Plan #1 (10-20-14)	Offset TVD Reference:	Offset Datum

Offset Design												Offset Site Error:	0.0 ft
Survey Program: 0-MWD												Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance						
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
0.0	0.0	1.0	1.0	0.0	0.0	0.00	22.6	0.0	22.6	22.6	0.00	N/A	
100.0	100.0	101.0	101.0	0.1	0.1	0.00	22.6	0.0	22.6	22.4	0.23	99.496	
200.0	200.0	201.0	201.0	0.3	0.3	0.00	22.6	0.0	22.6	21.9	0.68	33.386	
300.0	300.0	301.0	301.0	0.6	0.6	0.00	22.6	0.0	22.6	21.5	1.13	20.058	
400.0	400.0	401.0	401.0	0.8	0.8	0.00	22.6	0.0	22.6	21.0	1.58	14.335	
500.0	500.0	501.0	501.0	1.0	1.0	0.00	22.6	0.0	22.6	20.6	2.03	11.153	
600.0	600.0	601.0	601.0	1.2	1.2	0.00	22.6	0.0	22.6	20.1	2.47	9.127	
700.0	700.0	701.0	701.0	1.5	1.5	0.00	22.6	0.0	22.6	19.7	2.92	7.724	
800.0	800.0	801.0	801.0	1.7	1.7	0.00	22.6	0.0	22.6	19.2	3.37	6.695	
900.0	900.0	901.0	901.0	1.9	1.9	0.00	22.6	0.0	22.6	18.8	3.82	5.908	
1,000.0	1,000.0	1,001.0	1,001.0	2.1	2.1	0.00	22.6	0.0	22.6	18.3	4.27	5.286	
1,100.0	1,100.0	1,101.0	1,101.0	2.4	2.4	0.00	22.6	0.0	22.6	17.9	4.72	4.783	
1,200.0	1,200.0	1,201.0	1,201.0	2.6	2.6	0.00	22.6	0.0	22.6	17.4	5.17	4.367	
1,300.0	1,300.0	1,301.0	1,301.0	2.8	2.8	0.00	22.6	0.0	22.6	17.0	5.62	4.018	
1,400.0	1,400.0	1,401.0	1,401.0	3.0	3.0	0.00	22.6	0.0	22.6	16.5	6.07	3.721 CC, ES	
1,500.0	1,500.0	1,501.0	1,501.0	3.2	3.3	-138.40	22.6	0.0	23.9	17.4	6.50	3.674	
1,600.0	1,599.8	1,600.8	1,600.8	3.4	3.5	-145.48	22.6	0.0	28.0	21.1	6.90	4.059	
1,700.0	1,699.5	1,700.5	1,700.5	3.6	3.7	-153.40	22.6	0.0	35.5	28.2	7.30	4.870	
1,800.0	1,798.7	1,799.7	1,799.7	3.8	3.9	-159.98	22.6	0.0	46.6	38.9	7.70	6.054	
1,900.0	1,897.9	1,898.9	1,898.9	4.1	4.2	-164.26	22.6	0.0	58.8	50.7	8.11	7.250	
2,000.0	1,997.1	1,998.1	1,998.1	4.3	4.4	-167.06	22.6	0.0	71.3	62.7	8.53	8.350	
2,100.0	2,096.2	2,097.2	2,097.2	4.6	4.6	-169.02	22.6	0.0	83.8	74.9	8.96	9.354	
2,200.0	2,195.4	2,196.4	2,196.4	4.8	4.8	-170.47	22.6	0.0	96.5	87.1	9.39	10.271	
2,300.0	2,294.6	2,295.6	2,295.6	5.1	5.0	-171.59	22.6	0.0	109.1	99.3	9.82	11.109	
2,400.0	2,393.8	2,394.8	2,394.8	5.4	5.3	-172.47	22.6	0.0	121.8	111.6	10.26	11.876	
2,500.0	2,492.9	2,493.9	2,493.9	5.7	5.5	-173.19	22.6	0.0	134.6	123.9	10.70	12.580	
2,600.0	2,592.1	2,596.7	2,596.7	6.0	5.7	-173.36	22.3	1.6	146.2	135.0	11.13	13.133	
2,700.0	2,691.3	2,700.3	2,700.1	6.3	5.9	-172.57	21.5	6.9	155.2	143.6	11.55	13.430	
2,800.0	2,790.5	2,804.0	2,803.4	6.6	6.1	-170.93	20.1	15.9	161.7	149.7	11.99	13.481	
2,900.0	2,889.6	2,903.7	2,902.5	6.9	6.3	-169.05	18.5	26.3	167.1	154.6	12.43	13.436	
3,000.0	2,988.8	3,003.4	3,001.7	7.2	6.6	-167.28	16.8	36.7	172.6	159.8	12.89	13.397	
3,100.0	3,088.0	3,103.1	3,100.8	7.5	6.8	-165.63	15.2	47.0	178.4	165.0	13.35	13.363	
3,200.0	3,187.1	3,202.8	3,200.0	7.8	7.0	-164.07	13.6	57.4	184.2	170.4	13.82	13.333	
3,300.0	3,286.3	3,302.5	3,299.2	8.1	7.3	-162.62	12.0	67.8	190.2	175.9	14.30	13.305	
3,400.0	3,385.5	3,402.2	3,398.3	8.4	7.5	-161.25	10.3	78.2	196.4	181.6	14.79	13.279	
3,500.0	3,484.7	3,501.9	3,497.5	8.8	7.7	-159.97	8.7	88.5	202.6	187.3	15.28	13.255	
3,600.0	3,583.8	3,601.6	3,596.6	9.1	8.0	-158.77	7.1	98.9	208.9	193.1	15.79	13.233	
3,700.0	3,683.0	3,701.3	3,695.8	9.4	8.2	-157.63	5.5	109.3	215.3	199.0	16.29	13.212	
3,800.0	3,782.2	3,801.0	3,794.9	9.7	8.5	-156.56	3.9	119.6	221.8	205.0	16.81	13.192	
3,900.0	3,881.4	3,900.7	3,894.1	10.0	8.8	-155.56	2.2	130.0	228.3	211.0	17.33	13.173	
4,000.0	3,980.6	4,000.5	3,993.2	10.3	9.0	-154.59	0.6	140.4	234.6	216.7	17.87	13.129	
4,100.0	4,080.1	4,100.3	4,092.5	10.6	9.3	-153.35	-1.0	150.8	238.2	219.8	18.39	12.951	
4,200.0	4,180.0	4,200.0	4,191.7	10.8	9.6	-151.74	-2.6	161.2	238.8	219.9	18.91	12.631	
4,300.0	4,279.9	4,299.6	4,290.7	10.9	9.8	-149.70	-4.3	171.5	236.6	217.2	19.42	12.185	
4,400.0	4,379.9	4,399.1	4,389.6	11.1	10.1	-11.84	-5.9	181.9	232.7	212.5	20.21	11.515	
4,500.0	4,479.9	4,498.5	4,488.5	11.3	10.4	-9.39	-7.5	192.2	229.2	208.7	20.53	11.163	
4,600.0	4,579.9	4,598.0	4,587.4	11.5	10.6	-6.87	-9.1	202.6	226.1	205.2	20.85	10.844	
4,700.0	4,679.9	4,697.4	4,686.3	11.6	10.9	-4.29	-10.8	212.9	223.4	202.3	21.17	10.556	
4,800.0	4,779.9	4,795.6	4,784.1	11.8	11.2	-2.01	-12.2	221.9	221.5	200.0	21.48	10.311	
4,900.0	4,879.9	4,894.1	4,882.4	12.0	11.4	-0.54	-13.0	227.5	220.5	198.7	21.81	10.107	
5,000.0	4,979.9	4,992.9	4,981.1	12.2	11.5	0.06	-13.4	229.8	220.1	197.9	22.17	9.926	
5,041.2	5,021.1	5,033.8	5,022.1	12.2	11.6	0.08	-13.4	229.9	220.1	197.8	22.33	9.855	

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

Company:	Synergy Resources	Local Co-ordinate Reference:	Well SRC Cannon 24-16NHZ
Project:	SEC.16-T4N-R68W	TVD Reference:	WELL @ 4943.0ft (Original Well Elev)
Reference Site:	SRC Cannon Pad Sec.16-T4N-R68W	MD Reference:	WELL @ 4943.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	SRC Cannon 24-16NHZ	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	Landmark
Reference Design:	Plan #1 (10-20-14)	Offset TVD Reference:	Offset Datum

Offset Design												Offset Site Error:	0.0 ft
Survey Program: 0-MWD												Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance						
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
5,100.0	5,079.9	5,092.6	5,080.9	12.4	11.7	0.08	-13.4	229.9	220.1	197.5	22.56	9.754	
5,200.0	5,179.9	5,192.6	5,180.9	12.5	11.9	0.08	-13.4	229.9	220.1	197.1	22.97	9.582	
5,300.0	5,279.9	5,292.6	5,280.9	12.7	12.1	0.08	-13.4	229.9	220.1	196.7	23.38	9.415	
5,400.0	5,379.9	5,392.6	5,380.9	12.9	12.3	0.08	-13.4	229.9	220.1	196.3	23.79	9.253	
5,500.0	5,479.9	5,492.6	5,480.9	13.1	12.5	0.08	-13.4	229.9	220.1	195.9	24.20	9.096	
5,517.3	5,497.2	5,509.9	5,498.2	13.1	12.6	90.67	-13.4	229.9	220.1	195.1	25.00	8.805	
5,600.0	5,579.7	5,592.4	5,580.7	13.2	12.8	91.96	-13.4	229.9	220.2	194.9	25.34	8.690	
5,700.0	5,677.8	5,691.9	5,680.1	13.3	12.9	96.48	-13.4	229.0	221.6	195.8	25.74	8.607	
5,800.0	5,772.4	5,794.9	5,782.3	13.4	13.1	101.60	-13.5	216.4	224.9	198.9	25.98	8.654	
5,900.0	5,861.5	5,901.2	5,884.7	13.4	13.2	106.42	-13.8	188.2	229.8	203.7	26.05	8.820	
6,000.0	5,943.4	6,011.1	5,984.9	13.5	13.3	110.79	-14.2	143.5	235.9	209.9	26.02	9.067	
6,100.0	6,016.7	6,124.4	6,079.9	13.6	13.5	114.62	-14.8	81.8	242.6	216.6	26.03	9.323	
6,200.0	6,079.7	6,241.2	6,166.3	14.0	13.9	117.84	-15.6	3.5	249.4	223.1	26.30	9.483	
6,300.0	6,131.3	6,361.1	6,240.7	15.0	14.7	120.42	-16.5	-90.4	255.6	228.5	27.12	9.425	
6,400.0	6,170.5	6,483.8	6,299.4	16.4	16.0	122.32	-17.5	-198.0	260.7	232.0	28.71	9.080	
6,500.0	6,196.6	6,608.5	6,339.4	18.0	17.9	123.54	-18.6	-315.9	264.1	233.0	31.17	8.473	
6,600.0	6,208.9	6,734.5	6,358.5	20.0	20.2	124.08	-19.8	-440.2	265.7	231.2	34.49	7.704	
6,700.0	6,210.0	6,844.0	6,360.0	22.1	22.4	124.10	-20.9	-549.8	265.8	227.6	38.11	6.973	
6,800.0	6,210.0	6,944.0	6,360.0	24.3	24.6	124.10	-21.8	-649.8	265.8	224.0	41.80	6.357	
6,900.0	6,210.0	7,044.0	6,360.0	26.6	27.0	124.10	-22.8	-749.8	265.8	220.1	45.68	5.818	
7,000.0	6,210.0	7,144.0	6,360.0	29.1	29.4	124.10	-23.7	-849.8	265.8	216.1	49.70	5.347	
7,100.0	6,210.0	7,244.0	6,360.0	31.5	31.8	124.10	-24.7	-949.8	265.8	211.9	53.84	4.936	
7,200.0	6,210.0	7,344.0	6,360.0	34.1	34.3	124.10	-25.6	-1,049.8	265.8	207.7	58.06	4.577	
7,300.0	6,210.0	7,444.0	6,360.0	36.6	36.9	124.10	-26.6	-1,149.8	265.8	203.4	62.35	4.262	
7,400.0	6,210.0	7,544.0	6,360.0	39.3	39.5	124.10	-27.6	-1,249.8	265.8	199.1	66.70	3.984	
7,500.0	6,210.0	7,644.0	6,360.0	41.9	42.1	124.10	-28.5	-1,349.7	265.8	194.7	71.10	3.738	
7,600.0	6,210.0	7,744.0	6,360.0	44.5	44.8	124.10	-29.5	-1,449.7	265.8	190.2	75.53	3.518	
7,700.0	6,210.0	7,844.0	6,360.0	47.2	47.4	124.10	-30.4	-1,549.7	265.8	185.8	80.00	3.322	
7,800.0	6,210.0	7,944.0	6,360.0	49.9	50.1	124.10	-31.4	-1,649.7	265.8	181.3	84.49	3.145	
7,900.0	6,210.0	8,044.0	6,360.0	52.6	52.8	124.10	-32.3	-1,749.7	265.8	176.7	89.00	2.986	
8,000.0	6,210.0	8,144.0	6,360.0	55.3	55.5	124.10	-33.3	-1,849.7	265.8	172.2	93.54	2.841	
8,100.0	6,210.0	8,244.0	6,360.0	58.0	58.2	124.10	-34.2	-1,949.7	265.8	167.7	98.09	2.709	
8,200.0	6,210.0	8,344.0	6,360.0	60.7	60.9	124.10	-35.2	-2,049.7	265.8	163.1	102.65	2.589	
8,300.0	6,210.0	8,444.0	6,360.0	63.5	63.6	124.10	-36.2	-2,149.7	265.7	158.5	107.23	2.478	
8,400.0	6,210.0	8,544.0	6,360.0	66.2	66.4	124.10	-37.1	-2,249.7	265.7	153.9	111.82	2.377	
8,500.0	6,210.0	8,644.0	6,360.0	68.9	69.1	124.10	-38.1	-2,349.7	265.7	149.3	116.42	2.283	
8,600.0	6,210.0	8,744.0	6,360.0	71.7	71.9	124.10	-39.0	-2,449.7	265.7	144.7	121.03	2.196	
8,700.0	6,210.0	8,844.0	6,360.0	74.4	74.6	124.10	-40.0	-2,549.7	265.7	140.1	125.64	2.115	
8,800.0	6,210.0	8,944.0	6,360.0	77.2	77.4	124.10	-40.9	-2,649.7	265.7	135.5	130.26	2.040	
8,900.0	6,210.0	9,044.0	6,360.0	80.0	80.1	124.10	-41.9	-2,749.7	265.7	130.9	134.89	1.970	
9,000.0	6,210.0	9,144.0	6,360.0	82.7	82.9	124.10	-42.8	-2,849.7	265.7	126.2	139.52	1.905	
9,100.0	6,210.0	9,244.0	6,360.0	85.5	85.6	124.10	-43.8	-2,949.7	265.7	121.6	144.16	1.843	
9,200.0	6,210.0	9,344.0	6,360.0	88.2	88.4	124.10	-44.8	-3,049.7	265.7	116.9	148.80	1.786	
9,300.0	6,210.0	9,444.0	6,360.0	91.0	91.2	124.10	-45.7	-3,149.7	265.7	112.3	153.45	1.732	
9,400.0	6,210.0	9,544.0	6,360.0	93.8	93.9	124.10	-46.7	-3,249.7	265.7	107.6	158.10	1.681	
9,500.0	6,210.0	9,644.0	6,360.0	96.6	96.7	124.10	-47.6	-3,349.7	265.7	103.0	162.76	1.633	
9,600.0	6,210.0	9,744.0	6,360.0	99.3	99.5	124.10	-48.6	-3,449.7	265.7	98.3	167.41	1.587	
9,700.0	6,210.0	9,844.0	6,360.0	102.1	102.3	124.10	-49.5	-3,549.6	265.7	93.7	172.07	1.544	
9,800.0	6,210.0	9,944.0	6,360.0	104.9	105.0	124.10	-50.5	-3,649.6	265.7	89.0	176.74	1.504	
9,900.0	6,210.0	10,044.0	6,360.0	107.7	107.8	124.10	-51.4	-3,749.6	265.7	84.3	181.40	1.465 Level 3	
10,000.0	6,210.0	10,144.0	6,360.0	110.5	110.6	124.10	-52.4	-3,849.6	265.7	79.7	186.07	1.428 Level 3	
10,100.0	6,210.0	10,244.0	6,360.0	113.2	113.4	124.10	-53.4	-3,949.6	265.7	75.0	190.74	1.393 Level 3	

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

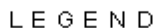
Company:	Synergy Resources	Local Co-ordinate Reference:	Well SRC Cannon 24-16NHZ
Project:	SEC.16-T4N-R68W	TVD Reference:	WELL @ 4943.0ft (Original Well Elev)
Reference Site:	SRC Cannon Pad Sec.16-T4N-R68W	MD Reference:	WELL @ 4943.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	SRC Cannon 24-16NHZ	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	Landmark
Reference Design:	Plan #1 (10-20-14)	Offset TVD Reference:	Offset Datum

Offset Design SRC Cannon Pad Sec.16-T4N-R68W - SRC Cannon S-16CHZ - Wellbore #1 - Plan #1 (10-20-14)												Offset Site Error:	0.0 ft
Survey Program: 0-MWD												Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance						
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
10,200.0	6,210.0	10,344.0	6,360.0	116.0	116.2	124.11	-54.3	-4,049.6	265.7	70.3	195.41	1.360	Level 3
10,300.0	6,210.0	10,444.0	6,360.0	118.8	118.9	124.11	-55.3	-4,149.6	265.7	65.6	200.09	1.328	Level 3
10,400.0	6,210.0	10,544.0	6,360.0	121.6	121.7	124.11	-56.2	-4,249.6	265.7	61.0	204.76	1.298	Level 3
10,500.0	6,210.0	10,644.0	6,360.0	124.4	124.5	124.11	-57.2	-4,349.6	265.7	56.3	209.44	1.269	Level 3
10,600.0	6,210.0	10,744.0	6,360.0	127.2	127.3	124.11	-58.1	-4,449.6	265.7	51.6	214.12	1.241	Level 2
10,662.8	6,210.0	10,806.9	6,360.0	128.9	129.0	124.11	-58.7	-4,512.4	265.7	48.7	217.05	1.224	Level 2
10,688.5	6,210.0	10,829.0	6,360.0	129.6	129.7	124.11	-58.9	-4,534.6	265.8	47.6	218.17	1.218	Level 2, SF

Reference Depths are relative to WELL @ 4943.0ft (Original Well Elev)Coordinates are relative to: SRC Cannon 24-16NHZ
Offset Depths are relative to Offset Datum Coordinate System is US State Plane 1983, Colorado Northern Zone
Central Meridian is -105.500000 ° Grid Convergence at Surface is: 0.32°



Reference Depths are relative to WELL @ 4943.0ft (Original Well Elev) Coordinates are relative to: SRC Cannon 24-16NHZ
Offset Depths are relative to Offset Datum Coordinate System is US State Plane 1983, Colorado Northern Zone
Central Meridian is -105.500000 ° Grid Convergence at Surface is: 0.32°



I-16CHZ, Wellbore #1, Plan #1 (10-20-14) VO SRC Cannon 24-16CHZ, Wellbore #1, Plan #1 (10-20-14) VO Zoller #1 (P&A), Wellbore #1, Wellb