

Synergy Resources

Well Name: **SRC Vista 12-2CHZ**

Surface Location: SRC Vista (N/S) Pad Sec.2-T4N-R68W
North American Datum 1983 , US State Plane 1983 , Colorado Northern Zone

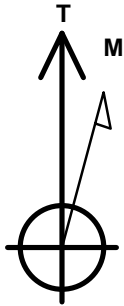
Ground Elevation: 5000.0

+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
0.0	0.0	1367657.00	3145254.86	40.341448	-104.978905	

Original Well Elev WELL @ 5013.0ft (Original Well Elev)

WELLBORE TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Shape
SHL 2163'FSL & 254'FWL	1.0	0.0	0.0	Point
BHL 460'FNL, 1140'FWL	7220.0	2352.7	698.5	Point
Turn Pt. (12-2CHZ)	7220.0	488.2	883.9	Point



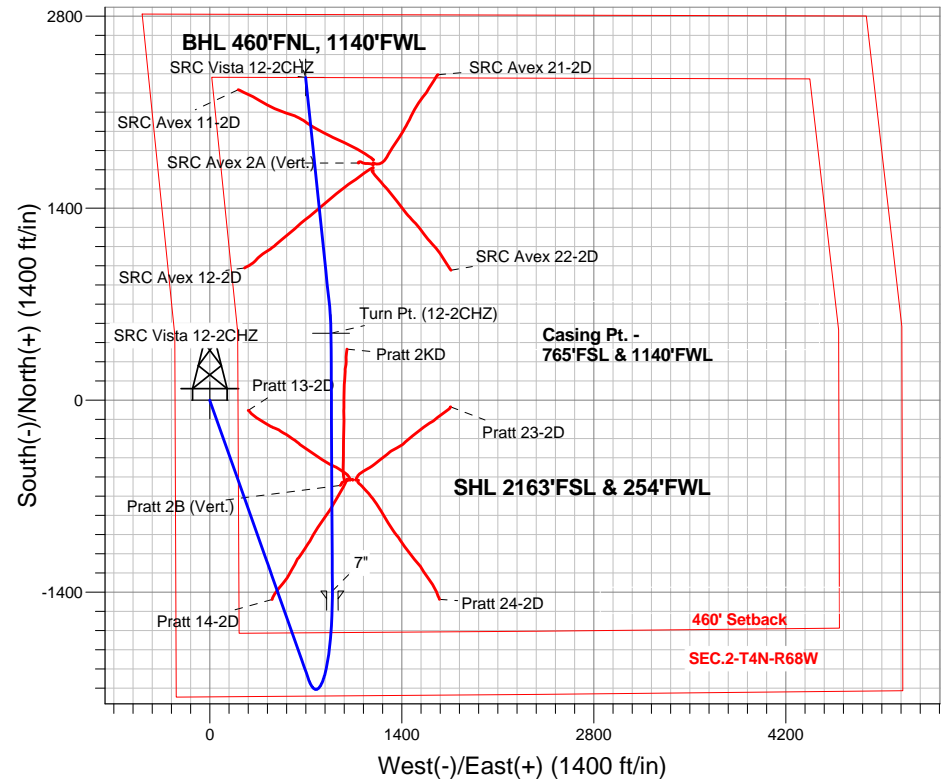
Azimuths to True North
Magnetic North: 8.51°

Magnetic Field
Strength: 52717.7snT
Dip Angle: 66.85°
Date: 11/11/2014
Model: IGRF2010

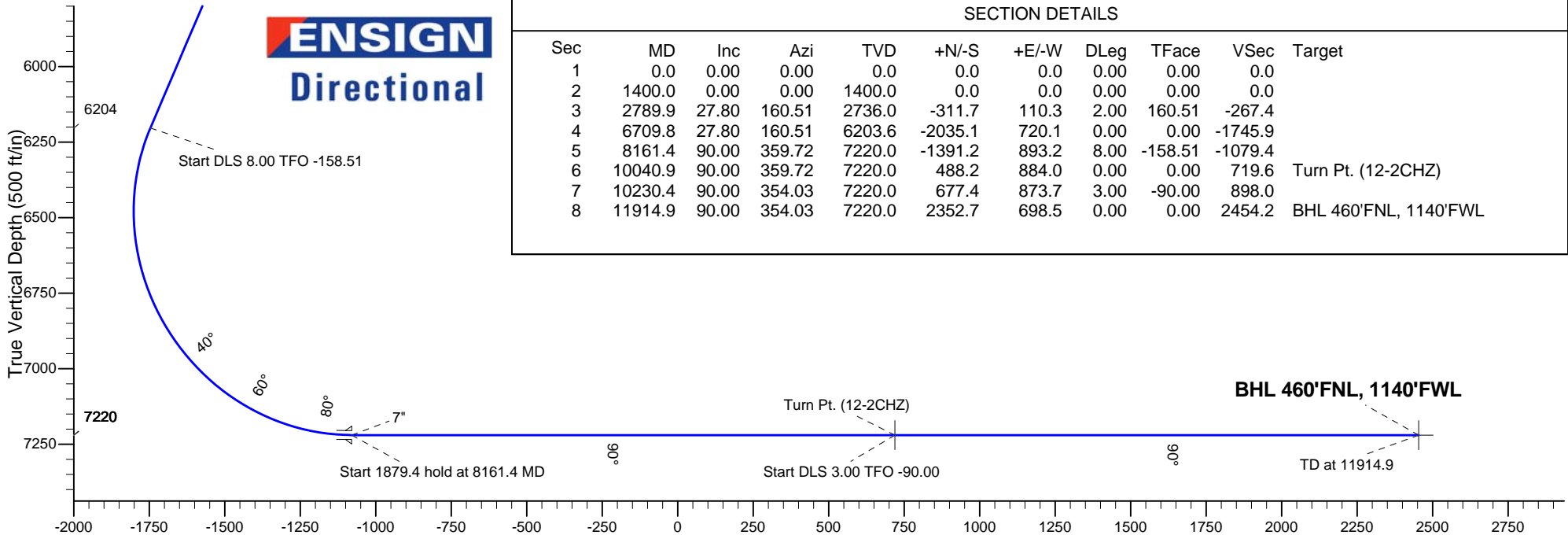
SRC Vista (N/S) Pad Sec.2-T4N-R68W
SRC Vista 12-2CHZ
Plan #1 (11-07-14)
9:08, November 11 2014

ANNOTATIONS

TVD	MD	Annotation
1400.0	1400.0	KOP - Start Build 2.00
6203.6	6709.8	Start DLS 8.00 TFO -158.51
7220.0	8161.4	Start 1879.4 hold at 8161.4 MD
7220.0	10040.9	Start DLS 3.00 TFO -90.00
7220.0	10230.4	Start 1684.5 hold at 10230.4 MD
7220.0	11914.9	TD at 11914.9



ENSIGN
Directional



SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	1400.0	0.00	0.00	1400.0	0.0	0.0	0.00	0.00	0.0	
3	2789.9	27.80	160.51	2736.0	-311.7	110.3	2.00	160.51	-267.4	
4	6709.8	27.80	160.51	6203.6	-2035.1	720.1	0.00	0.00	-1745.9	
5	8161.4	90.00	359.72	7220.0	-1391.2	893.2	8.00	-158.51	-1079.4	
6	10040.9	90.00	359.72	7220.0	488.2	884.0	0.00	0.00	719.6	Turn Pt. (12-2CHZ)
7	10230.4	90.00	354.03	7220.0	677.4	873.7	3.00	-90.00	898.0	
8	11914.9	90.00	354.03	7220.0	2352.7	698.5	0.00	0.00	2454.2	BHL 460'FNL, 1140'FWL

Vertical Section at 16.54° (500 ft/in)



Synergy Resources

SEC.2-T4N-R68W

SRC Vista (N/S) Pad Sec.2-T4N-R68W

SRC Vista 12-2CHZ

Wellbore #1

Plan: Plan #1 (11-07-14)

Standard Planning Report

11 November, 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	
2,789.9	27.80	160.51	2,736.0	-311.7	110.3	2.00	2.00	0.00	160.51	
6,709.8	27.80	160.51	6,203.6	-2,035.1	720.1	0.00	0.00	0.00	0.00	
8,161.4	90.00	359.72	7,220.0	-1,391.2	893.2	8.00	4.28	-11.08	-158.51	
10,040.9	90.00	359.72	7,220.0	488.2	884.0	0.00	0.00	0.00	0.00	Turn Pt. (12-2CHZ)
10,230.4	90.00	354.03	7,220.0	677.4	873.7	3.00	0.00	-3.00	-90.00	
11,914.9	90.00	354.03	7,220.0	2,352.7	698.5	0.00	0.00	0.00	0.00	BHL 460'FNL, 1140

Database:	Landmark	Local Co-ordinate Reference:	Well SRC Vista 12-2CHZ
Company:	Synergy Resources	TVD Reference:	WELL @ 5013.0ft (Original Well Elev)
Project:	SEC.2-T4N-R68W	MD Reference:	WELL @ 5013.0ft (Original Well Elev)
Site:	SRC Vista (N/S) Pad Sec.2-T4N-R68W	North Reference:	True
Well:	SRC Vista 12-2CHZ	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan #1 (11-07-14)		

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
1.0	0.00	0.00	1.0	0.0	0.0	0.0	0.00	0.00	0.00
SHL 2163'FSL & 254'FWL									
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	160.51	1,500.0	-1.6	0.6	-1.4	2.00	2.00	0.00
1,600.0	4.00	160.51	1,599.8	-6.6	2.3	-5.6	2.00	2.00	0.00
1,700.0	6.00	160.51	1,699.5	-14.8	5.2	-12.7	2.00	2.00	0.00
1,800.0	8.00	160.51	1,798.7	-26.3	9.3	-22.5	2.00	2.00	0.00
1,900.0	10.00	160.51	1,897.5	-41.0	14.5	-35.2	2.00	2.00	0.00
2,000.0	12.00	160.51	1,995.6	-59.0	20.9	-50.6	2.00	2.00	0.00
2,100.0	14.00	160.51	2,093.1	-80.2	28.4	-68.8	2.00	2.00	0.00
2,200.0	16.00	160.51	2,189.6	-104.6	37.0	-89.8	2.00	2.00	0.00
2,300.0	18.00	160.51	2,285.3	-132.2	46.8	-113.4	2.00	2.00	0.00
2,400.0	20.00	160.51	2,379.8	-162.9	57.6	-139.7	2.00	2.00	0.00
2,500.0	22.00	160.51	2,473.2	-196.7	69.6	-168.7	2.00	2.00	0.00
2,600.0	24.00	160.51	2,565.2	-233.5	82.6	-200.3	2.00	2.00	0.00
2,700.0	26.00	160.51	2,655.8	-273.3	96.7	-234.5	2.00	2.00	0.00
2,789.9	27.80	160.51	2,736.0	-311.7	110.3	-267.4	2.00	2.00	0.00
2,800.0	27.80	160.51	2,744.9	-316.1	111.9	-271.2	0.00	0.00	0.00
2,900.0	27.80	160.51	2,833.4	-360.1	127.4	-308.9	0.00	0.00	0.00
3,000.0	27.80	160.51	2,921.9	-404.0	143.0	-346.6	0.00	0.00	0.00
3,100.0	27.80	160.51	3,010.3	-448.0	158.5	-384.4	0.00	0.00	0.00
3,200.0	27.80	160.51	3,098.8	-492.0	174.1	-422.1	0.00	0.00	0.00
3,300.0	27.80	160.51	3,187.2	-535.9	189.6	-459.8	0.00	0.00	0.00
3,400.0	27.80	160.51	3,275.7	-579.9	205.2	-497.5	0.00	0.00	0.00
3,500.0	27.80	160.51	3,364.2	-623.9	220.7	-535.2	0.00	0.00	0.00
3,600.0	27.80	160.51	3,452.6	-667.8	236.3	-573.0	0.00	0.00	0.00
3,700.0	27.80	160.51	3,541.1	-711.8	251.9	-610.7	0.00	0.00	0.00
3,800.0	27.80	160.51	3,629.5	-755.8	267.4	-648.4	0.00	0.00	0.00
3,900.0	27.80	160.51	3,718.0	-799.7	283.0	-686.1	0.00	0.00	0.00
4,000.0	27.80	160.51	3,806.5	-843.7	298.5	-723.8	0.00	0.00	0.00
4,100.0	27.80	160.51	3,894.9	-887.7	314.1	-761.5	0.00	0.00	0.00
4,200.0	27.80	160.51	3,983.4	-931.6	329.6	-799.3	0.00	0.00	0.00
4,300.0	27.80	160.51	4,071.8	-975.6	345.2	-837.0	0.00	0.00	0.00
4,400.0	27.80	160.51	4,160.3	-1,019.5	360.8	-874.7	0.00	0.00	0.00
4,500.0	27.80	160.51	4,248.8	-1,063.5	376.3	-912.4	0.00	0.00	0.00
4,600.0	27.80	160.51	4,337.2	-1,107.5	391.9	-950.1	0.00	0.00	0.00
4,700.0	27.80	160.51	4,425.7	-1,151.4	407.4	-987.9	0.00	0.00	0.00
4,800.0	27.80	160.51	4,514.1	-1,195.4	423.0	-1,025.6	0.00	0.00	0.00
4,900.0	27.80	160.51	4,602.6	-1,239.4	438.5	-1,063.3	0.00	0.00	0.00

Database:	Landmark	Local Co-ordinate Reference:	Well SRC Vista 12-2CHZ
Company:	Synergy Resources	TVD Reference:	WELL @ 5013.0ft (Original Well Elev)
Project:	SEC.2-T4N-R68W	MD Reference:	WELL @ 5013.0ft (Original Well Elev)
Site:	SRC Vista (N/S) Pad Sec.2-T4N-R68W	North Reference:	True
Well:	SRC Vista 12-2CHZ	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan #1 (11-07-14)		

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)
5,000.0	27.80	160.51	4,691.1	-1,283.3	454.1	-1,101.0	0.00	0.00	0.00
5,100.0	27.80	160.51	4,779.5	-1,327.3	469.7	-1,138.7	0.00	0.00	0.00
5,200.0	27.80	160.51	4,868.0	-1,371.3	485.2	-1,176.5	0.00	0.00	0.00
5,300.0	27.80	160.51	4,956.4	-1,415.2	500.8	-1,214.2	0.00	0.00	0.00
5,400.0	27.80	160.51	5,044.9	-1,459.2	516.3	-1,251.9	0.00	0.00	0.00
5,500.0	27.80	160.51	5,133.4	-1,503.2	531.9	-1,289.6	0.00	0.00	0.00
5,600.0	27.80	160.51	5,221.8	-1,547.1	547.4	-1,327.3	0.00	0.00	0.00
5,700.0	27.80	160.51	5,310.3	-1,591.1	563.0	-1,365.0	0.00	0.00	0.00
5,800.0	27.80	160.51	5,398.7	-1,635.1	578.5	-1,402.8	0.00	0.00	0.00
5,900.0	27.80	160.51	5,487.2	-1,679.0	594.1	-1,440.5	0.00	0.00	0.00
6,000.0	27.80	160.51	5,575.6	-1,723.0	609.7	-1,478.2	0.00	0.00	0.00
6,100.0	27.80	160.51	5,664.1	-1,767.0	625.2	-1,515.9	0.00	0.00	0.00
6,200.0	27.80	160.51	5,752.6	-1,810.9	640.8	-1,553.6	0.00	0.00	0.00
6,300.0	27.80	160.51	5,841.0	-1,854.9	656.3	-1,591.4	0.00	0.00	0.00
6,400.0	27.80	160.51	5,929.5	-1,898.8	671.9	-1,629.1	0.00	0.00	0.00
6,500.0	27.80	160.51	6,017.9	-1,942.8	687.4	-1,666.8	0.00	0.00	0.00
6,600.0	27.80	160.51	6,106.4	-1,986.8	703.0	-1,704.5	0.00	0.00	0.00
6,700.0	27.80	160.51	6,194.9	-2,030.7	718.6	-1,742.2	0.00	0.00	0.00
6,709.8	27.80	160.51	6,203.5	-2,035.0	720.1	-1,745.9	0.00	0.00	0.00
Start DLS 8.00 TFO -158.51									
6,800.0	21.24	153.22	6,285.6	-2,069.5	734.5	-1,774.9	8.00	-7.27	-8.09
6,900.0	14.66	138.18	6,380.7	-2,095.1	751.1	-1,794.7	8.00	-6.58	-15.04
7,000.0	10.26	106.32	6,478.4	-2,107.1	768.1	-1,801.3	8.00	-4.40	-31.86
7,100.0	11.06	62.21	6,576.9	-2,105.1	785.2	-1,794.6	8.00	0.81	-44.10
7,200.0	16.32	36.04	6,674.1	-2,089.3	801.9	-1,774.6	8.00	5.26	-26.17
7,300.0	23.17	23.62	6,768.2	-2,059.8	818.1	-1,741.8	8.00	6.85	-12.42
7,400.0	30.56	16.80	6,857.4	-2,017.4	833.4	-1,696.8	8.00	7.39	-6.83
7,500.0	38.19	12.46	6,939.8	-1,962.8	847.4	-1,640.4	8.00	7.62	-4.34
7,600.0	45.92	9.39	7,014.0	-1,897.1	860.0	-1,573.8	8.00	7.73	-3.07
7,700.0	53.71	7.03	7,078.5	-1,821.5	870.8	-1,498.3	8.00	7.80	-2.35
7,800.0	61.55	5.11	7,132.0	-1,737.6	879.6	-1,415.3	8.00	7.83	-1.92
7,900.0	69.41	3.46	7,173.5	-1,646.9	886.4	-1,326.5	8.00	7.86	-1.66
8,000.0	77.28	1.96	7,202.1	-1,551.3	890.9	-1,233.6	8.00	7.87	-1.49
8,100.0	85.16	0.56	7,217.4	-1,452.6	893.1	-1,138.3	8.00	7.88	-1.40
8,161.4	90.00	359.72	7,220.0	-1,391.2	893.2	-1,079.5	8.00	7.88	-1.37
Start 1879.4 hold at 8161.4 MD - 7"									
8,200.0	90.00	359.72	7,220.0	-1,352.6	893.0	-1,042.5	0.01	0.01	0.00
8,300.0	90.00	359.72	7,220.0	-1,252.6	892.5	-946.8	0.00	0.00	0.00
8,400.0	90.00	359.72	7,220.0	-1,152.7	892.0	-851.1	0.00	0.00	0.00
8,500.0	90.00	359.72	7,220.0	-1,052.7	891.5	-755.4	0.00	0.00	0.00
8,600.0	90.00	359.72	7,220.0	-952.7	891.0	-659.6	0.00	0.00	0.00
8,700.0	90.00	359.72	7,220.0	-852.7	890.6	-563.9	0.00	0.00	0.00
8,800.0	90.00	359.72	7,220.0	-752.7	890.1	-468.2	0.00	0.00	0.00
8,900.0	90.00	359.72	7,220.0	-652.7	889.6	-372.5	0.00	0.00	0.00
9,000.0	90.00	359.72	7,220.0	-552.7	889.1	-276.8	0.00	0.00	0.00
9,100.0	90.00	359.72	7,220.0	-452.7	888.6	-181.0	0.00	0.00	0.00
9,200.0	90.00	359.72	7,220.0	-352.7	888.1	-85.3	0.00	0.00	0.00
9,300.0	90.00	359.72	7,220.0	-252.7	887.6	10.4	0.00	0.00	0.00
9,400.0	90.00	359.72	7,220.0	-152.7	887.1	106.1	0.00	0.00	0.00
9,500.0	90.00	359.72	7,220.0	-52.7	886.6	201.9	0.00	0.00	0.00
9,600.0	90.00	359.72	7,220.0	47.3	886.1	297.6	0.00	0.00	0.00
9,700.0	90.00	359.72	7,220.0	147.3	885.7	393.3	0.00	0.00	0.00
9,800.0	90.00	359.72	7,220.0	247.3	885.2	489.0	0.00	0.00	0.00
9,900.0	90.00	359.72	7,220.0	347.3	884.7	584.8	0.00	0.00	0.00

Casing Points					
Measured Depth (ft)	Vertical Depth (ft)		Name	Casing Diameter (")	Hole Diameter (")
8,161.4	7,220.0	7"		7	7-1/2

Database:	Landmark	Local Co-ordinate Reference:	Well SRC Vista 12-2CHZ
Company:	Synergy Resources	TVD Reference:	WELL @ 5013.0ft (Original Well Elev)
Project:	SEC.2-T4N-R68W	MD Reference:	WELL @ 5013.0ft (Original Well Elev)
Site:	SRC Vista (N/S) Pad Sec.2-T4N-R68W	North Reference:	True
Well:	SRC Vista 12-2CHZ	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan #1 (11-07-14)		

Plan Annotations				
Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates		Comment
		+N/-S (ft)	+E/-W (ft)	
1,400.0	1,400.0	0.0	0.0	KOP - Start Build 2.00
6,709.8	6,203.6	-311.7	110.3	Start DLS 8.00 TFO -158.51
8,161.4	7,220.0	-2,035.1	720.1	Start 1879.4 hold at 8161.4 MD
10,040.9	7,220.0	-1,391.2	893.2	Start DLS 3.00 TFO -90.00
10,230.4	7,220.0	488.2	884.0	Start 1684.5 hold at 10230.4 MD
11,914.9	7,220.0	677.4	873.7	TD at 11914.9



Synergy Resources

SEC.2-T4N-R68W

SRC Vista (N/S) Pad Sec.2-T4N-R68W

SRC Vista 12-2CHZ

Wellbore #1

Plan #1 (11-07-14)

Anticollision Report

11 November, 2014

Company:	Synergy Resources	Local Co-ordinate Reference:	Well SRC Vista 12-2CHZ
Project:	SEC.2-T4N-R68W	TVD Reference:	WELL @ 5013.0ft (Original Well Elev)
Reference Site:	SRC Vista (N/S) Pad Sec.2-T4N-R68W	MD Reference:	WELL @ 5013.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	SRC Vista 12-2CHZ	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 (11-07-14)	Offset TVD Reference:	Offset Datum

Reference	Plan #1 (11-07-14)		
Filter type:	NO GLOBAL FILTER: Using user defined selection & filtering criteria		
Interpolation Method:	Stations	Error Model:	ISCWSA
Depth Range:	Unlimited	Scan Method:	Closest Approach 3D
Results Limited by:	Maximum center-center distance of 1,000.0ft	Error Surface:	Elliptical Conic
Warning Levels Evaluated at:	2.00 Sigma		

Survey Tool Program	Date 11/11/2014			
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description
0.0	11,914.9	Plan #1 (11-07-14) (Wellbore #1)	MWD	MWD - Standard

Summary						
Site Name	Reference Measured Depth (ft)	Offset Measured Depth (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Separation Factor	Warning
Offet Well - Wellbore - Design						
Pratt 14-2D Pad Sec.2-T4N-R68W						
Pratt 13-2D - Wellbore #1 - Wellbore #1	3,447.9	3,380.0	552.7	529.2	23.498	CC
Pratt 13-2D - Wellbore #1 - Wellbore #1	9,450.4	7,240.2	577.9	524.2	10.766	ES
Pratt 13-2D - Wellbore #1 - Wellbore #1	9,500.0	7,243.3	580.0	526.0	10.743	SF
Pratt 14-2D - Wellbore #1 - Wellbore #1	4,955.0	4,755.9	331.2	293.3	8.742	CC, ES
Pratt 14-2D - Wellbore #1 - Wellbore #1	8,146.4	7,278.5	415.7	357.4	7.131	SF
Pratt 23-2D - Wellbore #1 - Wellbore #1	9,481.7	7,243.1	854.8	800.3	15.683	CC, ES
Pratt 23-2D - Wellbore #1 - Wellbore #1	9,600.0	7,246.9	863.0	807.7	15.618	SF
Pratt 24-2D - Wellbore #1 - Wellbore #1	8,100.0	7,266.1	760.1	701.4	12.943	SF
Pratt 24-2D - Wellbore #1 - Wellbore #1	8,156.0	7,261.4	757.8	699.3	12.957	CC, ES
Pratt 2B (Vert.) - Wellbore #1 - Wellbore #1	8,931.9	7,225.4	63.8	14.2	1.287	Level 3, CC, ES, SF
Pratt 2KD - Wellbore #1 - Wellbore #1	9,894.9	7,289.2	111.7	50.2	1.816	CC, ES, SF
SRC Avex 11-2D Pad Sec.2-T4N-R68W						
SRC Avex 11-2D - Wellbore #1 - Wellbore #1	11,866.7	7,290.1	479.5	393.9	5.605	CC, ES
SRC Avex 11-2D - Wellbore #1 - Wellbore #1	11,914.9	7,292.1	481.9	395.5	5.578	SF
SRC Avex 12-2D - Wellbore #1 - Wellbore #1	10,620.6	7,249.8	513.1	447.5	7.823	CC, ES
SRC Avex 12-2D - Wellbore #1 - Wellbore #1	10,700.0	7,241.4	519.1	452.6	7.804	SF
SRC Avex 21-2D - Wellbore #1 - Wellbore #1	11,827.3	7,247.9	953.7	869.9	11.380	CC, ES
SRC Avex 21-2D - Wellbore #1 - Wellbore #1	11,914.9	7,250.5	957.7	872.4	11.230	SF
SRC Avex 22-2D - Wellbore #1 - Wellbore #1	10,469.4	7,234.4	876.4	811.5	13.496	CC, ES
SRC Avex 22-2D - Wellbore #1 - Wellbore #1	10,600.0	7,221.3	886.0	819.4	13.295	SF
SRC Avex 2A (Vert.) - Wellbore #1 - Wellbore #1	11,255.0	7,224.2	316.8	245.6	4.450	CC, ES, SF

Summary							
Site Name Offset Well - Wellbore - Design	Reference Measured Depth (ft)	Offset Measured Depth (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Separation Factor	Warning	
SRC Vista (N/S) Pad Sec.2-T4N-R68W							
SRC Vista 11-2CHZ - Wellbore #1 - Plan #1 (11-06-14)	1,400.0	1,400.0	39.7	33.6	6.543	CC, ES	
SRC Vista 11-2CHZ - Wellbore #1 - Plan #1 (11-06-14)	11,914.9	11,886.6	439.8	307.5	3.324	SF	
SRC Vista 11-2NHZ - Wellbore #1 - Plan #1 (11-06-14)	1,400.0	1,400.0	59.7	53.7	9.844	CC, ES	
SRC Vista 11-2NHZ - Wellbore #1 - Plan #1 (11-06-14)	11,914.9	11,624.8	733.0	611.5	6.030	SF	
SRC Vista 12-2NHZ - Wellbore #1 - Plan #1 (11-07-14)	1,400.0	1,400.0	20.0	14.0	3.301	CC, ES	
SRC Vista 12-2NHZ - Wellbore #1 - Plan #1 (11-07-14)	6,800.0	6,883.3	149.7	61.0	1.688	SF	
SRC Vista 21-2CHZ - Wellbore #1 - Plan #1 (11-10-14)	600.0	600.0	80.2	77.7	32.419	CC, ES	
SRC Vista 21-2CHZ - Wellbore #1 - Plan #1 (11-10-14)	11,914.9	11,975.8	884.7	748.8	6.511	SF	
SRC Vista 21-2NHZ - Wellbore #1 - Plan #1 (11-10-14)	800.0	800.0	60.1	56.7	17.830	CC, ES	
SRC Vista 21-2NHZ - Wellbore #1 - Plan #1 (11-10-14)	11,914.9	11,664.0	736.5	605.8	5.635	SF	
SRC Vista A-2CHZ - Wellbore #1 - Plan #1 (11-10-14)	1,000.0	1,000.0	40.1	35.8	9.385	CC, ES	
SRC Vista A-2CHZ - Wellbore #1 - Plan #1 (11-10-14)	11,900.0	11,930.1	441.0	306.2	3.271	SF	
SRC Vista A-2NHZ - Wellbore #1 - Plan #1 (11-07-14)	1,200.0	1,200.0	20.0	14.9	3.876	CC, ES	
SRC Vista A-2NHZ - Wellbore #1 - Plan #1 (11-07-14)	6,950.0	6,938.3	246.1	157.7	2.782	SF	
SRC Vista M-2CHZ - Wellbore #1 - Plan #1 (11-10-14)	200.0	200.0	120.2	119.6	178.298	CC, ES	
SRC Vista M-2CHZ - Wellbore #1 - Plan #1 (11-10-14)	6,100.0	5,856.3	991.3	918.2	13.551	SF	
SRC Vista M-2NHZ - Wellbore #1 - Plan #1 (11-10-14)	400.0	400.0	100.2	98.6	63.678	CC, ES	
SRC Vista M-2NHZ - Wellbore #1 - Plan #1 (11-10-14)	6,800.0	6,578.8	993.8	908.2	11.601	SF	

Offset Design													Offset Site Error:			
Survey Program: 48-MWD													Offset Well Error:			
Pratt 14-2D Pad Sec.2-T4N-R68W - Pratt 13-2D - Wellbore #1 - Wellbore #1															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)					
1,700.0	1,699.5	1,839.4	1,827.1	3.6	5.1	-43.74	-464.5	870.6	983.0	975.4	7.64	128.584				
1,800.0	1,798.7	1,939.4	1,926.3	3.8	5.4	-44.60	-458.0	859.5	961.5	953.5	8.04	119.516				
1,900.0	1,897.5	2,028.0	2,014.2	4.0	5.7	-45.62	-452.2	850.1	938.0	929.6	8.44	111.152				
2,000.0	1,995.6	2,125.8	2,111.3	4.3	6.0	-46.94	-446.0	840.0	912.8	903.9	8.88	102.757				
2,100.0	2,093.1	2,223.3	2,208.0	4.6	6.3	-48.58	-439.3	829.8	885.1	875.8	9.37	94.451				
2,200.0	2,189.6	2,316.8	2,300.8	5.0	6.6	-50.46	-432.7	819.9	855.5	845.6	9.91	86.339				
2,300.0	2,285.3	2,411.2	2,394.4	5.4	6.9	-52.70	-426.2	809.6	824.3	813.8	10.52	78.319				
2,400.0	2,379.8	2,498.1	2,480.6	5.9	7.1	-55.14	-420.4	800.1	791.8	780.6	11.21	70.659				
2,500.0	2,473.2	2,583.4	2,565.2	6.5	7.4	-57.89	-415.2	791.2	759.1	747.1	11.99	63.324				
2,600.0	2,565.2	2,672.8	2,654.0	7.1	7.7	-61.21	-409.4	782.0	726.1	713.2	12.91	56.231				
2,700.0	2,655.8	2,757.2	2,737.7	7.8	7.9	-64.86	-403.5	773.4	693.4	679.5	13.96	49.658				
2,789.9	2,736.0	2,831.1	2,811.1	8.5	8.1	-68.44	-398.6	766.0	665.2	650.2	15.02	44.281				
2,800.0	2,744.9	2,839.6	2,819.5	8.6	8.2	-68.81	-398.0	765.1	662.2	647.0	15.15	43.719				
2,900.0	2,833.4	2,922.8	2,902.2	9.5	8.4	-72.61	-392.4	756.9	633.6	617.2	16.40	38.632				
3,000.0	2,921.9	3,011.3	2,990.0	10.3	8.7	-76.96	-385.9	747.9	608.6	590.9	17.75	34.291				
3,100.0	3,010.3	3,098.8	3,076.6	11.2	9.0	-81.56	-379.0	738.0	586.9	567.8	19.12	30.694				
3,200.0	3,098.8	3,176.9	3,154.0	12.1	9.2	-85.85	-373.1	729.3	570.1	549.7	20.43	27.902				
3,300.0	3,187.2	3,258.2	3,234.6	12.9	9.5	-90.42	-367.3	720.8	559.0	537.3	21.73	25.730				
3,400.0	3,275.7	3,340.9	3,316.7	13.8	9.7	-95.18	-361.3	712.2	553.4	530.4	22.96	24.102				
3,447.9	3,318.0	3,380.0	3,355.4	14.3	9.8	-97.44	-358.4	708.2	552.7	529.2	23.52	23.948 CC				
3,500.0	3,364.2	3,422.4	3,397.5	14.7	10.0	-99.92	-355.1	703.8	553.5	529.4	24.11	22.961				
3,600.0	3,452.6	3,505.0	3,479.3	15.6	10.2	-104.71	-348.5	695.2	559.5	534.4	25.15	22.250				
3,700.0	3,541.1	3,589.4	3,563.0	16.6	10.5	-109.49	-341.9	686.3	570.8	544.8	26.06	21.904				
3,800.0	3,629.5	3,673.7	3,646.6	17.5	10.7	-114.10	-335.6	677.3	587.1	560.3	26.84	21.874				
3,900.0	3,718.0	3,757.5	3,729.7	18.4	11.0	-118.46	-329.6	668.4	608.0	580.5	27.50	22.111				
4,000.0	3,806.5	3,840.7	3,812.3	19.3	11.2	-122.51	-323.9	659.9	633.0	605.0	28.04	22.573				

COMPASS 2003.21 Build 46

Company:	Synergy Resources	Local Co-ordinate Reference:	Well SRC Vista 12-2CHZ
Project:	SEC.2-T4N-R68W	TVD Reference:	WELL @ 5013.0ft (Original Well Elev)
Reference Site:	SRC Vista (N/S) Pad Sec.2-T4N-R68W	MD Reference:	WELL @ 5013.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	SRC Vista 12-2CHZ	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 (11-07-14)	Offset TVD Reference:	Offset Datum

Offset Design Pratt 14-2D Pad Sec.2-T4N-R68W - Pratt 13-2D - Wellbore #1 - Wellbore #1												Offset Site Error: 0.0 ft		
Survey Program: 48-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		
4,100.0	3,894.9	3,918.6	3,889.7	20.2	11.5	-126.06	-318.6	652.3	662.0	633.5	28.52	23.215		
4,200.0	3,983.4	3,997.2	3,967.7	21.2	11.7	-129.41	-312.6	645.0	695.0	666.1	28.92	24.031		
4,300.0	4,071.8	4,081.4	4,051.3	22.1	12.0	-132.76	-306.0	637.0	730.8	701.6	29.24	24.994		
4,400.0	4,160.3	4,166.4	4,135.6	23.0	12.2	-135.90	-299.3	628.4	768.9	739.4	29.51	26.057		
4,500.0	4,248.8	4,252.2	4,220.6	24.0	12.5	-138.81	-292.8	619.6	808.9	779.1	29.74	27.194		
4,600.0	4,337.2	4,338.9	4,306.7	24.9	12.7	-141.48	-286.7	611.2	850.3	820.3	29.96	28.383		
4,700.0	4,425.7	4,427.4	4,394.7	25.8	13.0	-143.93	-281.1	603.1	892.8	862.6	30.16	29.602		
4,800.0	4,514.1	4,512.6	4,479.3	26.8	13.3	-146.11	-276.1	595.0	936.1	905.7	30.38	30.817		
4,900.0	4,602.6	4,586.2	4,552.3	27.7	13.5	-147.89	-271.2	587.3	981.1	950.4	30.64	32.016		
8,700.0	7,220.0	7,197.3	7,143.6	36.6	21.3	-82.03	-107.7	313.0	946.1	894.3	51.82	18.257		
8,800.0	7,220.0	7,202.6	7,148.9	36.2	21.3	-82.55	-107.4	312.7	869.2	817.5	51.72	16.804		
8,900.0	7,220.0	7,208.0	7,154.3	35.9	21.3	-83.08	-107.0	312.3	797.4	745.6	51.73	15.413		
9,000.0	7,220.0	7,213.6	7,159.8	35.7	21.3	-83.63	-106.7	311.9	732.2	680.3	51.85	14.121		
9,100.0	7,220.0	7,219.2	7,165.5	35.7	21.4	-84.19	-106.4	311.6	675.5	623.4	52.07	12.972		
9,200.0	7,220.0	7,225.0	7,171.3	35.7	21.4	-84.76	-106.0	311.2	629.6	577.2	52.40	12.016		
9,300.0	7,220.0	7,231.0	7,177.2	35.9	21.4	-85.35	-105.7	310.8	597.1	544.3	52.83	11.301		
9,400.0	7,220.0	7,237.1	7,183.2	36.1	21.4	-85.95	-105.3	310.4	580.1	526.7	53.36	10.871		
9,450.4	7,220.0	7,240.2	7,186.3	36.3	21.4	-86.26	-105.1	310.2	577.9	524.2	53.68	10.766 ES		
9,500.0	7,220.0	7,243.3	7,189.4	36.6	21.4	-86.57	-104.9	310.0	580.0	526.0	53.99	10.743 SF		
9,600.0	7,220.0	7,249.7	7,195.8	37.1	21.4	-87.20	-104.5	309.6	596.9	542.2	54.71	10.910		
9,700.0	7,220.0	7,256.2	7,202.3	37.7	21.5	-87.85	-104.1	309.2	629.3	573.8	55.51	11.336		
9,800.0	7,220.0	7,262.9	7,209.0	38.5	21.5	-88.51	-103.6	308.7	675.1	618.7	56.40	11.970		
9,900.0	7,220.0	7,269.8	7,215.8	39.4	21.5	-89.19	-103.2	308.3	731.6	674.3	57.35	12.756		
10,000.0	7,220.0	7,276.9	7,222.9	40.3	21.5	-89.89	-102.7	307.8	796.7	738.3	58.38	13.647		
10,040.9	7,220.0	7,279.8	7,225.8	40.7	21.5	-90.18	-102.5	307.6	825.3	766.5	58.82	14.032		
10,100.0	7,220.0	7,284.2	7,230.1	41.2	21.5	-90.59	-102.2	307.3	867.8	808.3	59.50	14.586		
10,200.0	7,220.0	7,292.0	7,237.9	42.0	21.5	-91.26	-101.7	306.8	941.0	880.6	60.44	15.571		
10,230.4	7,220.0	7,294.5	7,240.4	42.3	21.6	-91.46	-101.5	306.6	963.6	902.9	60.72	15.870		

Pratt 14-2D Pad Sec.2-T4N-R68W - Pratt 14-2D - Wellbore #1 - Wellbore #1													Offset Site Error: 0.0 ft	
Survey Program: 108-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	
2,600.0	2,565.2	2,581.2	2,564.2	7.1	6.6	-39.58	-768.3	894.8	972.5	960.1	12.40	78.425		
2,700.0	2,655.8	2,672.2	2,654.0	7.8	6.9	-40.65	-781.3	887.1	939.5	926.4	13.15	71.438		
2,789.9	2,736.0	2,755.8	2,736.3	8.5	7.2	-41.83	-793.5	880.0	908.1	894.2	13.91	65.293		
2,800.0	2,744.9	2,765.3	2,745.6	8.6	7.2	-41.92	-794.9	879.2	904.4	890.4	14.00	64.591		
2,900.0	2,833.4	2,860.5	2,839.6	9.5	7.5	-42.91	-808.7	870.9	868.4	853.4	14.96	58.028		
3,000.0	2,921.9	2,958.2	2,936.0	10.3	7.9	-44.10	-821.6	862.6	832.1	816.1	15.97	52.104		
3,100.0	3,010.3	3,057.2	3,033.9	11.2	8.2	-45.48	-833.7	853.8	795.3	778.3	17.01	46.757		
3,200.0	3,098.8	3,149.5	3,125.1	12.1	8.5	-46.88	-844.6	845.1	758.4	740.3	18.08	41.948		
3,300.0	3,187.2	3,237.9	3,212.4	12.9	8.8	-48.31	-855.7	836.7	722.0	702.8	19.17	37.660		
3,400.0	3,275.7	3,322.4	3,295.9	13.8	9.0	-49.85	-866.1	829.4	686.8	666.6	20.29	33.859		
3,500.0	3,364.2	3,411.2	3,383.9	14.7	9.3	-51.69	-876.8	822.6	653.0	631.5	21.45	30.437		
3,600.0	3,452.6	3,505.8	3,477.5	15.6	9.6	-53.84	-888.2	815.5	620.0	597.3	22.71	27.306		
3,700.0	3,541.1	3,606.3	3,576.6	16.6	10.0	-56.17	-901.7	806.1	586.7	562.6	24.04	24.405		
3,800.0	3,629.5	3,697.3	3,666.1	17.5	10.3	-58.43	-914.7	796.8	553.6	528.3	25.37	21.820		
3,900.0	3,718.0	3,786.9	3,754.3	18.4	10.6	-60.91	-927.7	787.8	521.7	495.0	26.73	19.521		
4,000.0	3,806.5	3,876.2	3,842.3	19.3	11.0	-63.69	-940.4	779.3	491.4	463.3	28.11	17.484		
4,100.0	3,894.9	3,966.0	3,930.9	20.2	11.3	-66.84	-953.1	771.3	462.9	433.4	29.51	15.688		
4,200.0	3,983.4	4,055.3	4,019.1	21.2	11.6	-70.37	-965.4	763.8	436.6	405.7	30.91	14.124		
4,300.0	4,071.8	4,144.7	4,107.5	22.1	11.9	-74.39	-976.9	757.0	412.9	380.6	32.30	12.785		
4,400.0	4,160.3	4,236.0	4,197.7	23.0	12.2	-78.91	-988.6	750.4	392.2	358.6	33.63	11.662		
4,500.0	4,248.8	4,330.4	4,291.0	24.0	12.5	-83.94	-1,001.1	743.5	374.3	339.5	34.89	10.730		
4,600.0	4,337.2	4,424.2	4,383.7	24.9	12.8	-89.27	-1,014.3	736.1	359.0	323.0	35.98	9.979		
4,700.0	4,425.7	4,518.7	4,476.9	25.8	13.1	-95.03	-1,027.5	728.3	347.1	310.2	36.85	9.418		
4,800.0	4,514.1	4,618.2	4,574.7	26.8	13.5	-101.34	-1,042.5	718.9	337.7	300.2	37.45	9.018		
4,900.0	4,602.6	4,707.1	4,662.2	27.7	13.8	-107.19	-1,056.2	710.0	332.0	294.2	37.80	8.782		
4,955.0	4,651.2	4,755.9	4,710.2	28.2	14.0	-110.47	-1,063.5	705.4	331.2	293.3	37.88	8.742 CC, ES		
5,000.0	4,691.1	4,796.3	4,750.0	28.6	14.1	-113.20	-1,069.3	701.7	331.7	293.8	37.88	8.756		
5,100.0	4,779.5	4,886.0	4,838.5	29.6	14.5	-119.23	-1,081.6	693.5	336.7	299.0	37.71	8.929		
5,200.0	4,868.0	4,979.5	4,930.7	30.5	14.8	-125.27	-1,094.6	685.2	346.3	308.9	37.32	9.278		
5,300.0	4,956.4	5,071.7	5,021.6	31.4	15.1	-130.87	-1,107.7	677.0	359.5	322.7	36.85	9.757		
5,400.0	5,044.9	5,163.0	5,111.7	32.4	15.4	-136.10	-1,120.3	668.5	376.5	340.2	36.33	10.365		
5,500.0	5,133.4	5,254.4	5,201.8	33.3	15.8	-140.95	-1,132.8	659.6	396.9	361.1	35.82	11.082		
5,600.0	5,221.8	5,339.2	5,285.4	34.3	16.0	-145.08	-1,143.6	651.4	420.8	385.4	35.43	11.877		
5,700.0	5,310.3	5,427.0	5,372.3	35.2	16.3	-148.95	-1,153.4	643.1	448.6	413.5	35.09	12.782		
5,800.0	5,398.7	5,522.9	5,467.2	36.1	16.6	-152.47	-1,164.9	636.0	477.9	443.0	34.86	13.710		
5,900.0	5,487.2	5,617.4	5,560.7	37.1	16.9	-155.42	-1,177.0	630.0	507.9	473.2	34.78	14.606		
6,000.0	5,575.6	5,713.0	5,655.3	38.0	17.3	-158.08	-1,189.8	623.9	538.6	503.8	34.79	15.482		
6,100.0	5,664.1	5,806.6	5,747.7	39.0	17.6	-160.48	-1,202.8	617.2	569.7	534.8	34.89	16.329		
6,200.0	5,752.6	5,895.3	5,835.4	39.9	17.9	-162.60	-1,214.8	610.2	601.9	566.8	35.07	17.162		
6,300.0	5,841.0	5,994.6	5,933.3	40.8	18.3	-164.78	-1,228.6	601.8	634.7	599.4	35.31	17.978		
6,400.0	5,929.5	6,098.2	6,035.3	41.8	18.6	-166.87	-1,244.4	592.7	666.9	631.3	35.62	18.723		
6,500.0	6,017.9	6,195.8	6,131.1	42.7	19.0	-168.68	-1,260.9	584.1	698.1	662.1	36.01	19.385		
6,600.0	6,106.4	6,281.4	6,215.2	43.7	19.3	-170.14	-1,275.0	576.4	730.4	693.9	36.47	20.029		
6,709.8	6,203.6	6,376.5	6,308.7	44.7	19.7	-171.68	-1,289.9	567.0	767.3	730.3	37.01	20.730		
6,750.0	6,239.6	6,411.4	6,343.0	45.0	19.8	-169.49	-1,295.2	563.3	780.1	742.5	37.59	20.753		
6,800.0	6,285.6	6,456.7	6,387.5	45.3	20.0	-165.85	-1,302.0	558.3	793.4	755.3	38.16	20.790		
6,850.0	6,332.7	6,502.8	6,432.8	45.6	20.2	-160.61	-1,308.8	553.2	803.7	765.1	38.58	20.831		
6,900.0	6,380.7	6,549.1	6,478.3	45.8	20.4	-152.77	-1,315.6	548.3	810.8	772.0	38.85	20.872		
6,950.0	6,429.4	6,595.0	6,523.4	45.9	20.5	-140.79	-1,322.2	543.3	815.0	776.0	38.98	20.909		
7,000.0	6,478.4	6,640.7	6,568.4	46.1	20.7	-123.25	-1,328.7	538.1	816.1	777.1	38.98	20.935		
7,050.0	6,527.7	6,687.2	6,614.2	46.1	20.9	-101.72	-1,335.2	532.8	814.3	775.4	38.90	20.932		
7,100.0	6,576.9	6,735.8	6,661.9	46.2	21.1	-82.14	-1,342.0	527.3	809.5	770.7	38.78	20.872		

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Company:	Synergy Resources	Local Co-ordinate Reference:	Well SRC Vista 12-2CHZ
Project:	SEC.2-T4N-R68W	TVD Reference:	WELL @ 5013.0ft (Original Well Elev)
Reference Site:	SRC Vista (N/S) Pad Sec.2-T4N-R68W	MD Reference:	WELL @ 5013.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	SRC Vista 12-2CHZ	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 (11-07-14)	Offset TVD Reference:	Offset Datum

Offset Design		Pratt 14-2D Pad Sec.2-T4N-R68W - Pratt 14-2D - Wellbore #1 - Wellbore #1											Offset Site Error:	0.0 ft
Survey Program: 108-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		
7,150.0	6,625.8	6,783.5	6,708.9	46.2	21.2	-68.32	-1,348.8	521.8	801.6	763.0	38.66	20.734		
7,200.0	6,674.1	6,827.6	6,752.2	46.1	21.4	-59.64	-1,355.2	516.8	790.9	752.4	38.58	20.503		
7,250.0	6,721.6	6,869.3	6,793.2	46.0	21.6	-54.45	-1,361.0	512.2	777.7	739.1	38.59	20.150		
7,300.0	6,768.2	6,909.9	6,833.1	45.9	21.7	-51.57	-1,366.5	507.7	762.0	723.2	38.81	19.634		
7,350.0	6,813.5	6,947.8	6,870.5	45.7	21.8	-50.22	-1,371.5	503.6	744.1	704.9	39.27	18.948		
7,400.0	6,857.4	6,983.4	6,905.6	45.5	22.0	-49.96	-1,375.8	500.0	724.3	684.3	40.03	18.095		
7,450.0	6,899.5	7,017.7	6,939.6	45.2	22.1	-50.60	-1,379.7	496.7	702.7	661.6	41.15	17.078		
7,500.0	6,939.8	7,050.7	6,972.3	44.9	22.2	-51.98	-1,383.2	493.6	679.5	636.9	42.64	15.938		
7,550.0	6,978.1	7,086.8	7,008.0	44.6	22.3	-54.30	-1,386.9	490.5	655.0	610.3	44.66	14.666		
7,600.0	7,014.0	7,121.6	7,042.6	44.3	22.4	-57.31	-1,390.3	487.9	629.1	582.1	47.01	13.383		
7,650.0	7,047.6	7,153.8	7,074.6	43.9	22.5	-60.84	-1,393.5	485.7	602.4	552.9	49.51	12.168		
7,700.0	7,078.5	7,183.2	7,103.7	43.6	22.6	-64.77	-1,396.3	484.0	575.1	523.2	51.97	11.066		
7,750.0	7,106.7	7,207.6	7,128.0	43.2	22.6	-68.76	-1,398.8	482.6	548.0	493.9	54.13	10.123		
7,800.0	7,132.0	7,228.4	7,148.7	42.8	22.7	-72.73	-1,400.9	481.4	521.6	465.7	55.92	9.327		
7,850.0	7,154.3	7,245.8	7,165.9	42.4	22.8	-76.49	-1,402.7	480.4	496.6	439.4	57.26	8.673		
7,900.0	7,173.5	7,259.7	7,179.7	42.0	22.8	-79.83	-1,404.2	479.5	473.8	415.6	58.15	8.148		
7,950.0	7,189.5	7,270.2	7,190.1	41.6	22.8	-82.61	-1,405.3	478.9	453.8	395.1	58.63	7.740		
8,000.0	7,202.1	7,277.2	7,197.1	41.1	22.8	-84.70	-1,406.1	478.5	437.4	378.6	58.79	7.439		
8,050.0	7,211.5	7,280.8	7,200.7	40.7	22.9	-86.03	-1,406.5	478.2	425.3	366.5	58.74	7.240		
8,100.0	7,217.4	7,281.1	7,201.0	40.3	22.9	-86.57	-1,406.5	478.2	417.9	359.4	58.55	7.138		
8,146.4	7,219.8	7,278.5	7,198.3	40.0	22.9	-86.34	-1,406.2	478.4	415.7	357.4	58.30	7.131 SF		
8,150.0	7,219.9	7,278.2	7,198.0	40.0	22.9	-86.30	-1,406.2	478.4	415.7	357.5	58.28	7.134		
8,161.4	7,220.0	7,277.0	7,196.9	39.9	22.8	-86.13	-1,406.1	478.5	416.0	357.7	58.21	7.146		
8,200.0	7,220.0	7,273.0	7,192.9	39.6	22.8	-85.57	-1,405.6	478.7	418.9	361.0	57.87	7.238		
8,300.0	7,220.0	7,262.6	7,182.6	38.8	22.8	-84.16	-1,404.5	479.4	442.2	385.2	57.02	7.756		
8,400.0	7,220.0	7,252.6	7,172.7	38.2	22.8	-82.78	-1,403.4	480.0	485.2	429.0	56.23	8.628		
8,500.0	7,220.0	7,242.8	7,163.0	37.6	22.7	-81.45	-1,402.4	480.6	543.2	487.7	55.52	9.783		
8,600.0	7,220.0	7,233.3	7,153.5	37.0	22.7	-80.16	-1,401.4	481.1	612.0	557.1	54.90	11.148		
8,700.0	7,220.0	7,224.0	7,144.3	36.6	22.7	-78.91	-1,400.4	481.7	688.3	633.9	54.36	12.662		
8,800.0	7,220.0	7,215.0	7,135.4	36.2	22.7	-77.70	-1,399.5	482.2	769.9	716.0	53.92	14.279		
8,900.0	7,220.0	7,206.2	7,126.6	35.9	22.6	-76.52	-1,398.6	482.7	855.4	801.8	53.58	15.965		
9,000.0	7,220.0	7,197.6	7,118.1	35.7	22.6	-75.39	-1,397.8	483.2	943.6	890.3	53.34	17.690		

Company:	Synergy Resources	Local Co-ordinate Reference:	Well SRC Vista 12-2CHZ
Project:	SEC.2-T4N-R68W	TVD Reference:	WELL @ 5013.0ft (Original Well Elev)
Reference Site:	SRC Vista (N/S) Pad Sec.2-T4N-R68W	MD Reference:	WELL @ 5013.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	SRC Vista 12-2CHZ	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 (11-07-14)	Offset TVD Reference:	Offset Datum

Offset Design Pratt 14-2D Pad Sec.2-T4N-R68W - Pratt 23-2D - Wellbore #1 - Wellbore #1												Offset Site Error:	0.0 ft
Survey Program: 48-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
9,000.0	7,220.0	7,228.7	7,172.8	35.7	21.3	86.56	-67.2	1,740.1	981.1	928.3	52.81	18.577	
9,100.0	7,220.0	7,231.5	7,175.6	35.7	21.3	86.75	-67.2	1,740.2	936.1	883.1	52.97	17.672	
9,200.0	7,220.0	7,234.4	7,178.5	35.7	21.3	86.95	-67.1	1,740.4	900.0	846.8	53.23	16.907	
9,300.0	7,220.0	7,237.4	7,181.5	35.9	21.3	87.15	-67.0	1,740.5	873.9	820.3	53.59	16.306	
9,400.0	7,220.0	7,240.5	7,184.6	36.1	21.3	87.35	-66.9	1,740.6	858.7	804.7	54.05	15.886	
9,481.7	7,220.0	7,243.1	7,187.1	36.5	21.3	87.53	-66.8	1,740.7	854.8	800.3	54.51	15.683 CC, ES	
9,500.0	7,220.0	7,243.7	7,187.7	36.6	21.3	87.57	-66.7	1,740.8	855.0	800.4	54.61	15.657	
9,600.0	7,220.0	7,246.9	7,191.0	37.1	21.3	87.79	-66.6	1,740.9	863.0	807.7	55.25	15.618 SF	
9,700.0	7,220.0	7,250.3	7,194.3	37.7	21.3	88.01	-66.5	1,741.1	882.2	826.2	55.98	15.758	
9,800.0	7,220.0	7,253.8	7,197.8	38.5	21.3	88.24	-66.4	1,741.2	912.1	855.3	56.80	16.059	
9,900.0	7,220.0	7,257.3	7,201.4	39.4	21.3	88.48	-66.2	1,741.4	951.6	893.9	57.68	16.497	
10,000.0	7,220.0	7,261.0	7,205.1	40.3	21.3	88.73	-66.1	1,741.5	999.5	940.9	58.64	17.045	

Offset Design													Offset Site Error: 0.0 ft	
Pratt 14-2D Pad Sec.2-T4N-R68W - Pratt 24-2D - Wellbore #1 - Wellbore #1													Offset Well Error: 0.0 ft	
Reference		Offset		Semi Major Axis			Distance							
Measured Depth	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset	Highside Toolface	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning	
(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(°)								
4,600.0	4,337.2	4,296.5	4,253.9	24.9	12.8	-75.47	-1,009.3	1,380.9	997.6	961.2	36.43	27.387		
4,700.0	4,425.7	4,401.9	4,357.8	25.8	13.2	-77.40	-1,023.7	1,390.7	994.1	956.2	37.93	26.211		
4,800.0	4,514.1	4,502.1	4,456.7	26.8	13.5	-79.23	-1,038.0	1,399.4	990.8	951.5	39.39	25.157		
4,900.0	4,602.6	4,586.4	4,539.8	27.7	13.8	-80.77	-1,050.1	1,406.9	988.9	948.1	40.76	24.261		
4,948.5	4,645.5	4,627.2	4,579.9	28.1	14.0	-81.52	-1,055.8	1,410.9	988.7	947.3	41.42	23.867		
5,000.0	4,691.1	4,669.9	4,622.0	28.6	14.1	-82.31	-1,061.7	1,415.3	989.0	946.9	42.12	23.479		
5,100.0	4,779.5	4,754.8	4,705.6	29.6	14.5	-83.86	-1,073.4	1,424.7	991.3	947.8	43.48	22.797		
5,200.0	4,868.0	4,868.5	4,817.6	30.5	14.9	-85.98	-1,088.4	1,436.6	994.0	949.0	44.95	22.114		
5,300.0	4,956.4	4,963.4	4,911.4	31.4	15.2	-87.77	-1,100.6	1,445.4	996.8	950.5	46.30	21.527		
7,500.0	6,939.8	7,042.9	6,964.6	44.9	22.3	48.01	-1,366.0	1,637.5	990.3	928.6	61.73	16.044		
7,550.0	6,978.1	7,080.4	7,001.9	44.6	22.4	52.90	-1,370.7	1,639.9	965.6	903.9	61.73	15.641		
7,600.0	7,014.0	7,115.3	7,036.4	44.3	22.6	57.75	-1,375.0	1,642.0	940.4	878.7	61.71	15.239		
7,650.0	7,047.6	7,147.1	7,067.9	43.9	22.7	62.50	-1,379.0	1,643.8	915.2	853.6	61.63	14.850		
7,700.0	7,078.5	7,175.7	7,096.2	43.6	22.7	67.09	-1,382.5	1,645.3	890.4	828.9	61.46	14.488		
7,750.0	7,106.7	7,199.5	7,119.8	43.2	22.8	71.33	-1,385.6	1,646.5	866.4	805.2	61.18	14.161		
7,800.0	7,132.0	7,219.2	7,139.3	42.8	22.9	75.14	-1,388.1	1,647.6	843.7	782.9	60.83	13.871		
7,850.0	7,154.3	7,235.5	7,155.5	42.4	22.9	78.51	-1,390.2	1,648.5	822.9	762.5	60.43	13.618		
7,900.0	7,173.5	7,248.5	7,168.3	42.0	23.0	81.36	-1,391.9	1,649.2	804.3	744.3	60.01	13.403		
7,950.0	7,189.5	7,258.0	7,177.7	41.6	23.0	83.65	-1,393.1	1,649.7	788.4	728.8	59.62	13.225		
8,000.0	7,202.1	7,264.1	7,183.7	41.1	23.0	85.35	-1,393.9	1,650.0	775.6	716.3	59.27	13.086		
8,050.0	7,211.5	7,266.8	7,186.4	40.7	23.0	86.46	-1,394.3	1,650.2	766.1	707.1	58.97	12.990		
8,100.0	7,217.4	7,266.1	7,185.7	40.3	23.0	86.96	-1,394.2	1,650.1	760.1	701.4	58.73	12.943 SF		
8,150.0	7,219.9	7,262.1	7,181.8	40.0	23.0	86.88	-1,393.7	1,649.9	757.8	699.3	58.51	12.952		
8,156.0	7,220.0	7,261.4	7,181.1	39.9	23.0	86.83	-1,393.6	1,649.9	757.8	699.3	58.48	12.957 CC, ES		
8,161.4	7,220.0	7,260.7	7,180.4	39.9	23.0	86.78	-1,393.5	1,649.8	757.8	699.4	58.46	12.963		
8,200.0	7,220.0	7,255.8	7,175.5	39.6	23.0	86.41	-1,392.8	1,649.6	759.1	700.9	58.18	13.047		
8,300.0	7,220.0	7,243.2	7,163.1	38.8	23.0	85.47	-1,391.2	1,648.9	771.3	713.8	57.49	13.414		
8,400.0	7,220.0	7,230.9	7,150.9	38.2	22.9	84.54	-1,389.6	1,648.2	795.7	738.8	56.89	13.986		
8,500.0	7,220.0	7,218.8	7,138.9	37.6	22.9	83.64	-1,388.0	1,647.6	831.3	774.9	56.39	14.743		
8,600.0	7,220.0	7,206.9	7,127.1	37.0	22.8	82.75	-1,386.5	1,646.9	876.8	820.8	55.97	15.664		
8,700.0	7,220.0	7,195.2	7,115.5	36.6	22.8	81.88	-1,385.0	1,646.3	930.7	875.0	55.66	16.719		
8,800.0	7,220.0	7,183.3	7,103.7	36.2	22.8	80.99	-1,383.5	1,645.7	991.6	936.1	55.45	17.881		

Company:	Synergy Resources	Local Co-ordinate Reference:	Well SRC Vista 12-2CHZ
Project:	SEC.2-T4N-R68W	TVD Reference:	WELL @ 5013.0ft (Original Well Elev)
Reference Site:	SRC Vista (N/S) Pad Sec.2-T4N-R68W	MD Reference:	WELL @ 5013.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	SRC Vista 12-2CHZ	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 (11-07-14)	Offset TVD Reference:	Offset Datum

Offset Design												Offset Site Error:	0.0 ft
Survey Program: 48-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	
2,600.0	2,565.2	2,589.8	2,589.6	7.1	5.4	-52.97	-581.8	1,015.8	996.3	984.5	11.82	84.315	
2,700.0	2,655.8	2,681.9	2,681.7	7.8	5.6	-55.31	-582.1	1,013.6	967.7	955.1	12.66	76.466	
2,789.9	2,736.0	2,763.3	2,763.0	8.5	5.8	-57.65	-582.4	1,011.5	941.3	927.8	13.50	69.732	
2,800.0	2,744.9	2,772.3	2,772.1	8.6	5.8	-57.87	-582.5	1,011.2	938.3	924.7	13.60	68.997	
2,900.0	2,833.4	2,862.0	2,861.7	9.5	6.0	-60.14	-582.7	1,008.8	909.4	894.8	14.63	62.180	
3,000.0	2,921.9	2,951.6	2,951.2	10.3	6.2	-62.53	-583.0	1,006.2	881.9	866.2	15.70	56.169	
3,100.0	3,010.3	3,035.0	3,034.6	11.2	6.4	-64.87	-583.1	1,003.6	856.1	839.3	16.80	50.963	
3,200.0	3,098.8	3,125.5	3,125.1	12.1	6.6	-67.53	-583.4	1,001.0	832.2	814.3	17.95	46.360	
3,300.0	3,187.2	3,210.6	3,210.1	12.9	6.8	-70.13	-583.9	998.8	810.8	791.7	19.11	42.422	
3,400.0	3,275.7	3,295.9	3,295.5	13.8	7.0	-72.83	-584.5	996.9	791.9	771.6	20.30	39.019	
3,500.0	3,364.2	3,381.6	3,381.2	14.7	7.2	-75.63	-585.3	995.4	775.7	754.2	21.49	36.094	
3,600.0	3,452.6	3,467.6	3,467.1	15.6	7.3	-78.51	-586.3	994.1	762.3	739.6	22.69	33.596	
3,700.0	3,541.1	3,556.3	3,555.8	16.6	7.5	-81.54	-587.5	993.1	751.7	727.8	23.89	31.464	
3,800.0	3,629.5	3,646.8	3,646.3	17.5	7.7	-84.71	-588.6	991.9	743.6	718.5	25.08	29.653	
3,900.0	3,718.0	3,737.0	3,736.4	18.4	7.9	-87.93	-589.5	990.4	738.1	711.9	26.23	28.137	
4,000.0	3,806.5	3,827.0	3,826.4	19.3	8.1	-91.18	-590.3	988.7	735.4	708.0	27.35	26.889	
4,048.8	3,849.6	3,870.8	3,870.2	19.8	8.2	-92.77	-590.6	987.8	735.1	707.2	27.88	26.369	
4,100.0	3,894.9	3,916.7	3,916.1	20.2	8.3	-94.45	-590.9	986.8	735.4	707.0	28.41	25.883	
4,200.0	3,983.4	4,006.2	4,005.6	21.2	8.5	-97.71	-591.4	984.6	738.3	708.9	29.42	25.095	
4,300.0	4,071.8	4,095.4	4,094.7	22.1	8.7	-100.94	-591.8	982.3	744.0	713.6	30.37	24.500	
4,400.0	4,160.3	4,184.6	4,183.9	23.0	8.9	-104.12	-592.4	979.9	752.5	721.2	31.25	24.081	
4,500.0	4,248.8	4,273.9	4,273.2	24.0	9.0	-107.23	-593.1	977.5	763.7	731.6	32.06	23.819	
4,600.0	4,337.2	4,363.4	4,362.6	24.9	9.2	-110.26	-593.9	975.1	777.4	744.6	32.81	23.695	
4,700.0	4,425.7	4,453.0	4,452.2	25.8	9.4	-113.19	-594.9	972.6	793.5	760.0	33.49	23.695	
4,800.0	4,514.1	4,542.2	4,541.4	26.8	9.6	-116.01	-596.1	970.1	811.8	777.7	34.11	23.801	
4,900.0	4,602.6	4,628.4	4,627.5	27.7	9.8	-118.61	-597.2	967.9	832.4	797.8	34.68	24.004	
5,000.0	4,691.1	4,714.7	4,713.8	28.6	10.0	-121.10	-598.4	966.0	855.3	820.1	35.21	24.295	
5,100.0	4,779.5	4,801.2	4,800.3	29.6	10.2	-123.45	-599.5	964.6	880.3	844.6	35.69	24.661	
5,200.0	4,868.0	4,887.9	4,887.0	30.5	10.4	-125.68	-600.7	963.6	907.1	870.9	36.15	25.091	
5,300.0	4,956.4	4,974.7	4,973.7	31.4	10.5	-127.78	-601.9	962.9	935.6	899.0	36.59	25.573	
5,400.0	5,044.9	5,063.0	5,062.1	32.4	10.7	-129.80	-603.1	962.6	965.6	928.6	36.99	26.103	
5,500.0	5,133.4	5,152.0	5,151.1	33.3	10.9	-131.72	-604.3	962.3	996.7	959.3	37.37	26.669	
7,950.0	7,189.5	7,199.2	7,198.2	41.6	15.2	3.79	-620.4	953.3	981.4	959.4	22.02	44.567	
8,000.0	7,202.1	7,211.7	7,210.6	41.1	15.2	8.62	-620.4	953.3	933.0	909.1	23.88	39.065	
8,050.0	7,211.5	7,220.7	7,219.7	40.7	15.3	17.68	-620.4	953.2	883.9	855.6	28.26	31.281	
8,100.0	7,217.4	7,226.5	7,225.4	40.3	15.3	38.10	-620.5	953.2	834.3	795.3	39.02	21.380	
8,150.0	7,219.9	7,228.7	7,227.7	40.0	15.3	82.11	-620.5	953.2	784.5	732.0	52.42	14.966	
8,161.4	7,220.0	7,228.8	7,227.7	39.9	15.3	93.34	-620.5	953.2	773.1	720.8	52.23	14.800	
8,200.0	7,220.0	7,228.6	7,227.6	39.6	15.3	93.19	-620.5	953.2	734.6	682.7	51.98	14.134	
8,300.0	7,220.0	7,228.2	7,227.1	38.8	15.3	92.80	-620.5	953.2	635.1	583.7	51.34	12.371	
8,400.0	7,220.0	7,227.7	7,226.7	38.2	15.3	92.41	-620.5	953.2	535.7	484.9	50.79	10.547	
8,500.0	7,220.0	7,227.3	7,226.2	37.6	15.3	92.01	-620.5	953.2	436.6	386.2	50.34	8.672	
8,600.0	7,220.0	7,226.9	7,225.8	37.0	15.3	91.62	-620.5	953.2	337.9	288.0	49.99	6.761	
8,700.0	7,220.0	7,226.4	7,225.4	36.6	15.3	91.22	-620.5	953.2	240.5	190.7	49.74	4.835	
8,800.0	7,220.0	7,226.0	7,224.9	36.2	15.3	90.83	-620.5	953.2	146.5	96.9	49.59	2.954	
8,900.0	7,220.0	7,225.5	7,224.5	35.9	15.3	90.44	-620.5	953.2	71.3	21.7	49.56	1.439 Level 3	
8,931.9	7,220.0	7,225.4	7,224.3	35.9	15.3	90.31	-620.5	953.2	63.8	14.2	49.58	1.287 Level 3, CC, ES, SF	
9,000.0	7,220.0	7,225.1	7,224.0	35.7	15.3	90.04	-620.5	953.2	93.3	43.7	49.63	1.881	
9,100.0	7,220.0	7,224.7	7,223.6	35.7	15.3	89.65	-620.5	953.2	179.8	130.0	49.80	3.611	
9,200.0	7,220.0	7,224.2	7,223.2	35.7	15.3	89.25	-620.5	953.2	275.6	225.5	50.08	5.503	
9,300.0	7,220.0	7,223.8	7,222.7	35.9	15.3	88.86	-620.5	953.2	373.6	323.1	50.47	7.403	
9,400.0	7,220.0	7,223.3	7,222.3	36.1	15.3	88.46	-620.5	953.2	472.4	421.5	50.95	9.272	

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 Vista 12-2CHZ
Project:	SEC.2-T4N-R68W	TVD Reference:	WELL @ 5013.0ft (Original Well Elev)
Reference Site:	SRC Vista (N/S) Pad Sec.2-T4N-R68W	MD Reference:	WELL @ 5013.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	SRC Vista 12-2CHZ	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 (11-07-14)	Offset TVD Reference:	Offset Datum

Offset Design Pratt 14-2D Pad Sec.2-T4N-R68W - Pratt 2B (Vert.) - Wellbore #1 - Wellbore #1												Offset Site Error:	0.0 ft
Survey Program: 48-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
9,500.0	7,220.0	7,222.9	7,221.9	36.6	15.3	88.07	-620.5	953.2	571.7	520.2	51.53	11.094	
9,600.0	7,220.0	7,222.5	7,221.4	37.1	15.3	87.68	-620.5	953.2	671.2	619.0	52.20	12.857	
9,700.0	7,220.0	7,222.0	7,221.0	37.7	15.3	87.28	-620.5	953.2	770.8	717.8	52.96	14.554	
9,800.0	7,220.0	7,221.6	7,220.5	38.5	15.3	86.89	-620.5	953.2	870.5	816.7	53.79	16.182	
9,900.0	7,220.0	7,221.1	7,220.1	39.4	15.3	86.50	-620.5	953.2	970.2	915.5	54.70	17.736	

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Company:	Synergy Resources	Local Co-ordinate Reference:	Well SRC Vista 12-2CHZ
Project:	SEC.2-T4N-R68W	TVD Reference:	WELL @ 5013.0ft (Original Well Elev)
Reference Site:	SRC Vista (N/S) Pad Sec.2-T4N-R68W	MD Reference:	WELL @ 5013.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	SRC Vista 12-2CHZ	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 (11-07-14)	Offset TVD Reference:	Offset Datum

Offset Design												Offset Site Error:	0.0 ft
SRC Avex 11-2D Pad Sec.2-T4N-R68W - SRC Avex 11-2D - Wellbore #1 - Wellbore #1												Offset Well Error:	0.0 ft
Survey Program: 171-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
11,000.0	7,220.0	7,249.7	7,153.6	52.9	24.5	-81.58	2,253.7	230.4	989.8	918.8	70.95	13.951	
11,100.0	7,220.0	7,254.7	7,158.6	54.5	24.6	-82.18	2,253.8	230.1	903.7	831.1	72.56	12.455	
11,200.0	7,220.0	7,259.7	7,163.5	56.0	24.6	-82.77	2,254.0	229.7	820.7	746.5	74.19	11.062	
11,300.0	7,220.0	7,264.6	7,168.4	57.6	24.6	-83.35	2,254.2	229.4	741.9	666.1	75.85	9.782	
11,400.0	7,220.0	7,269.3	7,173.1	59.2	24.6	-83.91	2,254.4	229.0	668.8	591.3	77.52	8.627	
11,500.0	7,220.0	7,273.9	7,177.7	60.9	24.6	-84.46	2,254.5	228.7	603.4	524.2	79.21	7.618	
11,600.0	7,220.0	7,278.5	7,182.2	62.5	24.6	-85.01	2,254.7	228.4	548.5	467.6	80.92	6.779	
11,700.0	7,220.0	7,282.9	7,186.7	64.2	24.6	-85.54	2,254.8	228.1	507.6	424.9	82.65	6.142	
11,800.0	7,220.0	7,287.2	7,191.0	65.9	24.6	-86.05	2,255.0	227.8	484.1	399.7	84.38	5.737	
11,866.7	7,220.0	7,290.1	7,193.8	67.0	24.6	-86.39	2,255.0	227.6	479.5	393.9	85.55	5.605 CC, ES	
11,900.0	7,220.0	7,291.5	7,195.2	67.6	24.6	-86.56	2,255.1	227.5	480.6	394.5	86.13	5.580	
11,914.9	7,220.0	7,292.1	7,195.9	67.8	24.6	-86.64	2,255.1	227.5	481.9	395.5	86.39	5.578 SF	

Company:	Synergy Resources	Local Co-ordinate Reference:	Well SRC Vista 12-2CHZ
Project:	SEC.2-T4N-R68W	TVD Reference:	WELL @ 5013.0ft (Original Well Elev)
Reference Site:	SRC Vista (N/S) Pad Sec.2-T4N-R68W	MD Reference:	WELL @ 5013.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	SRC Vista 12-2CHZ	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 (11-07-14)	Offset TVD Reference:	Offset Datum

Offset Design												Offset Site Error:	0.0 ft
SRC Avex 11-2D Pad Sec.2-T4N-R68W - SRC Avex 12-2D - Wellbore #1 - Wellbore #1												Offset Well Error:	0.0 ft
Survey Program: 158-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
9,800.0	7,220.0	7,330.2	7,233.8	38.5	24.9	-91.10	1,003.8	317.7	945.7	886.9	58.84	16.074	
9,900.0	7,220.0	7,315.0	7,218.8	39.4	24.8	-89.57	1,005.4	319.5	867.4	807.8	59.62	14.549	
10,000.0	7,220.0	7,315.0	7,218.8	40.3	24.8	-89.57	1,005.4	319.5	793.9	733.3	60.59	13.103	
10,040.9	7,220.0	7,307.4	7,211.3	40.7	24.8	-88.80	1,006.2	320.4	765.6	704.6	60.93	12.564	
10,100.0	7,220.0	7,301.4	7,205.4	41.2	24.8	-88.15	1,006.8	321.1	725.9	664.8	61.13	11.875	
10,200.0	7,220.0	7,291.6	7,195.8	42.0	24.8	-87.00	1,007.9	322.3	661.9	600.7	61.27	10.804	
10,230.4	7,220.0	7,288.7	7,192.9	42.3	24.7	-86.65	1,008.2	322.7	643.4	582.1	61.31	10.495	
10,300.0	7,220.0	7,282.1	7,186.3	43.0	24.7	-85.91	1,009.0	323.5	604.2	542.2	61.94	9.755	
10,400.0	7,220.0	7,272.3	7,176.7	44.3	24.7	-84.83	1,010.1	324.6	558.1	495.0	63.04	8.852	
10,500.0	7,220.0	7,262.3	7,166.8	45.7	24.6	-83.71	1,011.2	325.8	526.9	462.7	64.18	8.210	
10,600.0	7,220.0	7,252.0	7,156.7	47.0	24.6	-82.57	1,012.4	327.1	513.5	448.1	65.34	7.858	
10,620.6	7,220.0	7,249.8	7,154.5	47.3	24.6	-82.33	1,012.6	327.4	513.1	447.5	65.59	7.823 CC, ES	
10,700.0	7,220.0	7,241.4	7,146.2	48.5	24.6	-81.39	1,013.6	328.4	519.1	452.6	66.52	7.804 SF	
10,800.0	7,220.0	7,230.5	7,135.5	49.9	24.5	-80.18	1,014.9	329.7	543.2	475.5	67.71	8.022	
10,900.0	7,220.0	7,219.3	7,124.4	51.4	24.5	-78.94	1,016.2	331.1	583.5	514.5	68.90	8.468	
11,000.0	7,220.0	7,207.8	7,113.1	52.9	24.4	-77.67	1,017.6	332.5	636.8	566.7	70.09	9.085	
11,100.0	7,220.0	7,195.9	7,101.4	54.5	24.4	-76.36	1,019.1	334.0	700.3	629.0	71.27	9.825	
11,200.0	7,220.0	7,186.0	7,091.6	56.0	24.4	-75.28	1,020.3	335.2	771.4	698.8	72.51	10.639	
11,300.0	7,220.0	7,173.8	7,079.6	57.6	24.3	-73.94	1,021.8	336.7	848.1	774.5	73.66	11.514	
11,400.0	7,220.0	7,163.7	7,069.6	59.2	24.3	-72.85	1,023.0	337.9	929.2	854.4	74.88	12.410	

Company:	Synergy Resources	Local Co-ordinate Reference:	Well SRC Vista 12-2CHZ
Project:	SEC.2-T4N-R68W	TVD Reference:	WELL @ 5013.0ft (Original Well Elev)
Reference Site:	SRC Vista (N/S) Pad Sec.2-T4N-R68W	MD Reference:	WELL @ 5013.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	SRC Vista 12-2CHZ	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 (11-07-14)	Offset TVD Reference:	Offset Datum

Offset Design												Offset Site Error:	0.0 ft
SRC Avex 11-2D Pad Sec.2-T4N-R68W - SRC Avex 21-2D - Wellbore #1 - Wellbore #1												Offset Well Error:	0.0 ft
Survey Program: 644-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
11,600.0	7,220.0	7,241.0	7,186.8	62.5	20.0	87.82	2,364.5	1,655.5	980.4	900.4	80.01	12.253	
11,700.0	7,220.0	7,244.0	7,189.9	64.2	20.0	88.01	2,364.6	1,655.6	962.1	880.5	81.67	11.781	
11,800.0	7,220.0	7,247.1	7,192.9	65.9	20.0	88.19	2,364.7	1,655.7	954.1	870.7	83.34	11.448	
11,827.3	7,220.0	7,247.9	7,193.7	66.3	20.0	88.24	2,364.7	1,655.7	953.7	869.9	83.80	11.380 CC, ES	
11,900.0	7,220.0	7,250.1	7,195.9	67.6	20.0	88.37	2,364.8	1,655.8	956.5	871.4	85.03	11.248	
11,914.9	7,220.0	7,250.5	7,196.4	67.8	20.0	88.40	2,364.8	1,655.8	957.7	872.4	85.28	11.230 SF	

Company:	Synergy Resources	Local Co-ordinate Reference:	Well SRC Vista 12-2CHZ
Project:	SEC.2-T4N-R68W	TVD Reference:	WELL @ 5013.0ft (Original Well Elev)
Reference Site:	SRC Vista (N/S) Pad Sec.2-T4N-R68W	MD Reference:	WELL @ 5013.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	SRC Vista 12-2CHZ	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 (11-07-14)	Offset TVD Reference:	Offset Datum

Offset Design												Offset Site Error:	0.0 ft
SRC Avex 11-2D Pad Sec.2-T4N-R68W - SRC Avex 22-2D - Wellbore #1 - Wellbore #1												Offset Well Error:	0.0 ft
Survey Program: 128-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
10,040.9	7,220.0	7,279.0	7,218.3	40.7	21.4	89.68	1,001.7	1,722.1	982.9	922.6	60.33	16.293	
10,100.0	7,220.0	7,272.9	7,212.2	41.2	21.4	89.28	1,002.3	1,721.7	954.4	893.4	60.98	15.651	
10,200.0	7,220.0	7,262.4	7,201.8	42.0	21.3	88.61	1,003.3	1,721.0	916.7	854.9	61.85	14.820	
10,230.4	7,220.0	7,259.2	7,198.6	42.3	21.3	88.41	1,003.6	1,720.8	908.1	846.0	62.11	14.620	
10,300.0	7,220.0	7,251.9	7,191.4	43.0	21.3	87.93	1,004.4	1,720.3	892.5	829.7	62.82	14.207	
10,400.0	7,220.0	7,241.5	7,181.1	44.3	21.3	87.26	1,005.4	1,719.6	879.2	815.1	64.05	13.726	
10,469.4	7,220.0	7,234.4	7,174.0	45.3	21.2	86.80	1,006.1	1,719.1	876.4	811.5	64.94	13.496 CC, ES	
10,500.0	7,220.0	7,231.3	7,171.0	45.7	21.2	86.60	1,006.4	1,718.9	877.0	811.6	65.33	13.424	
10,600.0	7,220.0	7,221.3	7,161.1	47.0	21.2	85.95	1,007.4	1,718.3	886.0	819.4	66.64	13.295 SF	
10,700.0	7,220.0	7,211.5	7,151.3	48.5	21.2	85.31	1,008.3	1,717.6	906.0	838.0	68.00	13.323	
10,800.0	7,220.0	7,201.9	7,141.7	49.9	21.1	84.68	1,009.2	1,717.0	936.1	866.7	69.38	13.492	
10,900.0	7,220.0	7,192.4	7,132.3	51.4	21.1	84.07	1,010.1	1,716.4	975.5	904.7	70.79	13.780	

Company:	Synergy Resources	Local Co-ordinate Reference:	Well SRC Vista 12-2CHZ
Project:	SEC.2-T4N-R68W	TVD Reference:	WELL @ 5013.0ft (Original Well Elev)
Reference Site:	SRC Vista (N/S) Pad Sec.2-T4N-R68W	MD Reference:	WELL @ 5013.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	SRC Vista 12-2CHZ	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 (11-07-14)	Offset TVD Reference:	Offset Datum

Offset Design SRC Avex 11-2D Pad Sec.2-T4N-R68W - SRC Avex 2A (Vert.) - Wellbore #1 - Wellbore #1												Offset Site Error:	0.0 ft
Survey Program: 246-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
10,400.0	7,220.0	7,226.6	7,225.3	44.3	15.0	90.41	1,729.4	1,082.2	911.8	852.9	58.89	15.485	
10,500.0	7,220.0	7,226.3	7,225.0	45.7	15.0	90.36	1,729.4	1,082.2	818.8	758.6	60.17	13.607	
10,600.0	7,220.0	7,226.0	7,224.7	47.0	15.0	90.31	1,729.4	1,082.2	727.6	666.1	61.51	11.829	
10,700.0	7,220.0	7,225.8	7,224.4	48.5	15.0	90.26	1,729.4	1,082.2	639.1	576.2	62.89	10.162	
10,800.0	7,220.0	7,225.5	7,224.2	49.9	15.0	90.21	1,729.4	1,082.2	554.4	490.1	64.31	8.621	
10,900.0	7,220.0	7,225.2	7,223.9	51.4	15.0	90.16	1,729.4	1,082.2	475.8	410.1	65.77	7.235	
11,000.0	7,220.0	7,224.9	7,223.6	52.9	15.0	90.11	1,729.4	1,082.2	406.7	339.4	67.26	6.047	
11,100.0	7,220.0	7,224.6	7,223.3	54.5	15.0	90.06	1,729.4	1,082.2	352.7	283.9	68.78	5.128	
11,200.0	7,220.0	7,224.4	7,223.0	56.0	15.0	90.00	1,729.4	1,082.2	321.5	251.2	70.33	4.572	
11,255.0	7,220.0	7,224.2	7,222.9	56.9	15.0	89.98	1,729.4	1,082.2	316.8	245.6	71.19	4.450 CC, ES, SF	
11,300.0	7,220.0	7,224.1	7,222.7	57.6	15.0	89.95	1,729.4	1,082.2	320.0	248.1	71.90	4.450	
11,400.0	7,220.0	7,223.8	7,222.5	59.2	15.0	89.90	1,729.4	1,082.2	348.4	274.9	73.50	4.740	
11,500.0	7,220.0	7,223.5	7,222.2	60.9	15.0	89.85	1,729.4	1,082.2	400.5	325.3	75.12	5.331	
11,600.0	7,220.0	7,223.2	7,221.9	62.5	15.0	89.80	1,729.4	1,082.2	468.4	391.6	76.76	6.101	
11,700.0	7,220.0	7,222.9	7,221.6	64.2	15.0	89.74	1,729.4	1,082.2	546.2	467.8	78.42	6.965	
11,800.0	7,220.0	7,222.6	7,221.3	65.9	15.0	89.69	1,729.4	1,082.2	630.4	550.3	80.10	7.870	
11,900.0	7,220.0	7,222.4	7,221.0	67.6	15.0	89.64	1,729.4	1,082.2	718.6	636.8	81.79	8.785	
11,914.9	7,220.0	7,222.3	7,221.0	67.8	15.0	89.63	1,729.4	1,082.2	731.9	649.9	82.04	8.921	

SRC Vista (N/S) Pad Sec.2-T4N-R68W - SRC Vista 11-2CHZ - Wellbore #1 - Plan #1 (11-06-14)												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 (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	0.00	39.7	0.0	39.7					
100.0	100.0	100.0	100.0	0.1	0.1	0.00	39.7	0.0	39.7	39.5	0.22	176.653		
200.0	200.0	200.0	200.0	0.3	0.3	0.00	39.7	0.0	39.7	39.0	0.67	58.884		
300.0	300.0	300.0	300.0	0.6	0.6	0.00	39.7	0.0	39.7	38.6	1.12	35.331		
400.0	400.0	400.0	400.0	0.8	0.8	0.00	39.7	0.0	39.7	38.1	1.57	25.236		
500.0	500.0	500.0	500.0	1.0	1.0	0.00	39.7	0.0	39.7	37.7	2.02	19.628		
600.0	600.0	600.0	600.0	1.2	1.2	0.00	39.7	0.0	39.7	37.2	2.47	16.059		
700.0	700.0	700.0	700.0	1.5	1.5	0.00	39.7	0.0	39.7	36.8	2.92	13.589		
800.0	800.0	800.0	800.0	1.7	1.7	0.00	39.7	0.0	39.7	36.3	3.37	11.777		
900.0	900.0	900.0	900.0	1.9	1.9	0.00	39.7	0.0	39.7	35.9	3.82	10.391		
1,000.0	1,000.0	1,000.0	1,000.0	2.1	2.1	0.00	39.7	0.0	39.7	35.4	4.27	9.298		
1,100.0	1,100.0	1,100.0	1,100.0	2.4	2.4	0.00	39.7	0.0	39.7	35.0	4.72	8.412		
1,200.0	1,200.0	1,200.0	1,200.0	2.6	2.6	0.00	39.7	0.0	39.7	34.5	5.17	7.681		
1,300.0	1,300.0	1,300.0	1,300.0	2.8	2.8	0.00	39.7	0.0	39.7	34.1	5.62	7.066		
1,400.0	1,400.0	1,400.0	1,400.0	3.0	3.0	0.00	39.7	0.0	39.7	33.6	6.07	6.543 CC, ES		
1,500.0	1,500.0	1,500.0	1,500.0	3.2	3.3	-161.31	39.7	0.0	41.4	34.9	6.49	6.374		
1,600.0	1,599.8	1,599.8	1,599.8	3.4	3.5	-163.36	39.7	0.0	46.3	39.5	6.88	6.736		
1,700.0	1,699.5	1,699.5	1,699.5	3.6	3.7	-165.93	39.7	0.0	54.8	47.5	7.27	7.531		
1,800.0	1,798.7	1,798.7	1,798.7	3.8	3.9	-168.43	39.7	0.0	66.6	59.0	7.66	8.702		
1,900.0	1,897.5	1,900.3	1,900.3	4.0	4.1	-170.63	38.0	0.3	80.3	72.3	8.02	10.021		
2,000.0	1,995.6	2,002.4	2,002.3	4.3	4.3	-172.57	32.7	1.2	94.0	85.7	8.34	11.265		
2,100.0	2,093.1	2,105.0	2,104.5	4.6	4.5	-174.35	23.7	2.8	107.7	99.0	8.68	12.408		
2,200.0	2,189.6	2,208.2	2,206.8	5.0	4.7	-176.02	11.1	4.9	121.3	112.3	9.01	13.456		
2,300.0	2,285.3	2,311.8	2,309.1	5.4	4.9	-177.62	-5.2	7.7	134.9	125.6	9.36	14.415		
2,400.0	2,379.8	2,415.9	2,411.1	5.9	5.2	-179.18	-25.3	11.2	148.6	138.8	9.72	15.287		
2,500.0	2,473.2	2,520.5	2,512.9	6.5	5.5	179.30	-49.1	15.3	162.2	152.1	10.09	16.070		
2,600.0	2,565.2	2,625.5	2,614.2	7.1	5.9	177.79	-76.7	20.0	175.8	165.3	10.49	16.756		
2,700.0	2,655.8	2,731.1	2,714.8	7.8	6.3	176.31	-108.1	25.4	189.4	178.4	10.91	17.357		
2,789.9	2,736.0	2,826.4	2,804.6	8.5	6.7	174.98	-139.6	30.9	201.6	190.2	11.33	17.798		
2,800.0	2,744.9	2,837.1	2,814.6	8.6	6.8	174.83	-143.3	31.5	202.9	191.5	11.39	17.818		
2,900.0	2,833.4	2,943.8	2,913.7	9.5	7.4	173.33	-182.4	38.2	214.4	202.4	12.04	17.809		
3,000.0	2,921.9	3,051.2	3,011.8	10.3	8.1	171.67	-225.3	45.6	222.5	209.7	12.76	17.432		
3,100.0	3,010.3	3,158.9	3,108.5	11.2	8.8	169.81	-272.0	53.6	227.2	213.6	13.58	16.733		
3,200.0	3,098.8	3,266.6	3,203.4	12.1	9.6	167.68	-322.3	62.3	228.6	214.1	14.51	15.754		
3,300.0	3,187.2	3,369.5	3,292.5	12.9	10.5	165.36	-373.0	71.0	227.3	211.8	15.55	14.618		
3,400.0	3,275.7	3,469.1	3,378.5	13.8	11.4	163.05	-422.4	79.5	226.2	209.5	16.70	13.544		
3,500.0	3,364.2	3,568.7	3,464.6	14.7	12.3	160.73	-471.8	88.0	225.4	207.4	17.97	12.544		
3,600.0	3,452.6	3,668.3	3,550.6	15.6	13.2	158.39	-521.2	96.5	225.0	205.6	19.36	11.621		
3,656.2	3,502.4	3,724.3	3,599.0	16.2	13.7	157.08	-549.0	101.3	225.0	204.8	20.20	11.137		
3,700.0	3,541.1	3,767.8	3,636.6	16.6	14.1	156.05	-570.6	105.0	225.0	204.1	20.88	10.777		
3,800.0	3,629.5	3,867.4	3,722.7	17.5	15.0	153.72	-620.0	113.5	225.3	202.8	22.51	10.012		
3,900.0	3,718.0	3,967.0	3,808.7	18.4	15.9	151.39	-669.4	122.0	226.1	201.8	24.25	9.323		
4,000.0	3,806.5	4,066.6	3,894.8	19.3	16.9	149.08	-718.8	130.5	227.2	201.1	26.09	8.706		
4,100.0	3,894.9	4,166.1	3,980.8	20.2	17.8	146.80	-768.2	139.0	228.6	200.6	28.03	8.156		
4,200.0	3,983.4	4,265.7	4,066.8	21.2	18.8	144.55	-817.6	147.5	230.5	200.4	30.05	7.669		
4,300.0	4,071.8	4,365.3	4,152.9	22.1	19.7	142.34	-867.0	156.0	232.7	200.5	32.15	7.237		
4,400.0	4,160.3	4,464.9	4,238.9	23.0	20.7	140.18	-916.4	164.5	235.2	200.9	34.30	6.856		
4,500.0	4,248.8	4,564.4	4,324.9	24.0	21.7	138.06	-965.8	173.1	238.0	201.5	36.51	6.520		
4,600.0	4,337.2	4,664.0	4,411.0	24.9	22.6	135.99	-1,015.2	181.6	241.2	202.5	38.76	6.224		
4,700.0	4,425.7	4,763.6	4,497.0	25.8	23.6	133.99	-1,064.6	190.1	244.7	203.7	41.04	5.963		
4,800.0	4,514.1	4,863.1	4,583.1	26.8	24.6	132.03	-1,114.0	198.6	248.5	205.1	43.35	5.733		
4,900.0	4,602.6	4,962.7	4,669.1	27.7	25.5	130.14	-1,163.4	207.1	252.5	206.9	45.67	5.530		

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Company:	Synergy Resources	Local Co-ordinate Reference:	Well SRC Vista 12-2CHZ
Project:	SEC.2-T4N-R68W	TVD Reference:	WELL @ 5013.0ft (Original Well Elev)
Reference Site:	SRC Vista (N/S) Pad Sec.2-T4N-R68W	MD Reference:	WELL @ 5013.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	SRC Vista 12-2CHZ	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 (11-07-14)	Offset TVD Reference:	Offset Datum

Offset Design												Offset Site Error:	0.0 ft
Survey Program: 0-MWDD												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
5,000.0	4,691.1	5,062.3	4,755.1	28.6	26.5	128.31	-1,212.8	215.6	256.9	208.9	48.00	5.351	
5,100.0	4,779.5	5,161.9	4,841.2	29.6	27.5	126.55	-1,262.2	224.1	261.4	211.1	50.34	5.194	
5,200.0	4,868.0	5,261.4	4,927.2	30.5	28.5	124.84	-1,311.6	232.6	266.3	213.6	52.67	5.055	
5,300.0	4,956.4	5,361.0	5,013.2	31.4	29.5	123.20	-1,361.0	241.1	271.3	216.3	55.01	4.932	
5,400.0	5,044.9	5,460.6	5,099.3	32.4	30.4	121.61	-1,410.4	249.6	276.6	219.3	57.33	4.824	
5,500.0	5,133.4	5,560.2	5,185.3	33.3	31.4	120.09	-1,459.8	258.1	282.1	222.4	59.64	4.729	
5,600.0	5,221.8	5,659.7	5,271.3	34.3	32.4	118.63	-1,509.2	266.6	287.7	225.8	61.95	4.645	
5,700.0	5,310.3	5,759.3	5,357.4	35.2	33.4	117.22	-1,558.6	275.1	293.6	229.3	64.23	4.570	
5,800.0	5,398.7	5,858.9	5,443.4	36.1	34.4	115.87	-1,608.0	283.6	299.6	233.1	66.50	4.505	
5,900.0	5,487.2	5,958.5	5,529.5	37.1	35.3	114.57	-1,657.4	292.1	305.7	237.0	68.76	4.447	
6,000.0	5,575.6	6,058.0	5,615.5	38.0	36.3	113.32	-1,706.8	300.6	312.1	241.1	70.99	4.396	
6,100.0	5,664.1	6,157.6	5,701.5	39.0	37.3	112.13	-1,756.2	309.1	318.5	245.3	73.21	4.351	
6,200.0	5,752.6	6,257.2	5,787.6	39.9	38.3	110.98	-1,805.6	317.6	325.1	249.7	75.42	4.311	
6,300.0	5,841.0	6,356.7	5,873.6	40.8	39.3	109.88	-1,855.0	326.1	331.9	254.3	77.60	4.276	
6,400.0	5,929.5	6,456.3	5,959.6	41.8	40.3	108.82	-1,904.4	334.6	338.7	258.9	79.77	4.246	
6,500.0	6,017.9	6,555.9	6,045.7	42.7	41.3	107.80	-1,953.8	343.1	345.6	263.7	81.92	4.219	
6,600.0	6,106.4	6,655.5	6,131.7	43.7	42.2	106.82	-2,003.2	351.6	352.7	268.7	84.05	4.196	
6,709.8	6,203.6	6,767.3	6,230.8	44.7	43.1	106.61	-2,054.0	361.3	360.3	274.3	85.93	4.192	
6,750.0	6,239.6	6,808.3	6,268.8	45.0	43.3	109.75	-2,068.7	365.1	362.9	276.6	86.28	4.206	
6,800.0	6,285.6	6,859.1	6,317.1	45.3	43.5	114.67	-2,084.0	369.8	366.3	279.8	86.56	4.232	
6,850.0	6,332.7	6,909.7	6,366.1	45.6	43.7	121.28	-2,095.7	374.5	369.9	283.1	86.74	4.264	
6,900.0	6,380.7	6,960.1	6,415.5	45.8	43.9	130.58	-2,103.9	379.3	373.5	286.7	86.82	4.302	
6,950.0	6,429.4	7,010.3	6,465.2	45.9	44.0	144.11	-2,108.6	384.1	377.2	290.4	86.81	4.345	
7,000.0	6,478.4	7,060.2	6,514.9	46.1	44.0	163.31	-2,109.8	388.9	381.0	294.2	86.71	4.393	
7,050.0	6,527.7	7,109.9	6,564.3	46.1	44.0	-173.35	-2,107.5	393.7	384.7	298.2	86.53	4.447	
7,100.0	6,576.9	7,159.4	6,613.3	46.2	44.0	-151.76	-2,101.8	398.3	388.6	302.3	86.27	4.504	
7,150.0	6,625.8	7,208.7	6,661.5	46.2	43.9	-135.78	-2,092.7	402.9	392.4	306.4	85.93	4.566	
7,200.0	6,674.1	7,257.8	6,708.8	46.1	43.8	-124.84	-2,080.4	407.4	396.2	310.6	85.54	4.632	
7,250.0	6,721.6	7,306.8	6,755.0	46.0	43.7	-117.26	-2,065.0	411.8	399.9	314.8	85.08	4.701	
7,300.0	6,768.2	7,355.5	6,799.9	45.9	43.5	-111.78	-2,046.5	416.0	403.6	319.0	84.57	4.772	
7,350.0	6,813.5	7,404.1	6,843.3	45.7	43.2	-107.66	-2,025.0	420.1	407.2	323.2	84.01	4.847	
7,400.0	6,857.4	7,452.5	6,885.0	45.5	43.0	-104.44	-2,000.7	424.0	410.7	327.3	83.41	4.923	
7,450.0	6,899.5	7,500.0	6,924.2	45.2	42.7	-101.87	-1,974.2	427.6	414.1	331.3	82.79	5.001	
7,500.0	6,939.8	7,548.9	6,962.7	44.9	42.3	-99.75	-1,944.2	431.2	417.3	335.2	82.13	5.081	
7,550.0	6,978.1	7,596.9	6,998.4	44.6	42.0	-97.98	-1,912.3	434.5	420.4	338.9	81.45	5.161	
7,600.0	7,014.0	7,644.8	7,031.8	44.3	41.6	-96.49	-1,878.2	437.5	423.3	342.5	80.76	5.241	
7,650.0	7,047.6	7,692.6	7,062.8	43.9	41.2	-95.22	-1,841.9	440.3	426.0	345.9	80.06	5.321	
7,700.0	7,078.5	7,740.3	7,091.3	43.6	40.8	-94.14	-1,803.8	442.9	428.5	349.1	79.36	5.399	
7,750.0	7,106.7	7,787.9	7,117.2	43.2	40.4	-93.22	-1,763.9	445.2	430.7	352.1	78.67	5.476	
7,800.0	7,132.0	7,835.4	7,140.3	42.8	40.0	-92.44	-1,722.4	447.2	432.8	354.8	77.98	5.550	
7,850.0	7,154.3	7,882.8	7,160.6	42.4	39.6	-91.79	-1,679.6	448.9	434.6	357.3	77.31	5.622	
7,900.0	7,173.5	7,930.2	7,178.0	42.0	39.2	-91.24	-1,635.6	450.4	436.2	359.5	76.66	5.690	
7,950.0	7,189.5	7,977.5	7,192.4	41.6	38.7	-90.80	-1,590.5	451.6	437.5	361.4	76.03	5.754	
8,000.0	7,202.1	8,024.8	7,203.9	41.1	38.3	-90.46	-1,544.7	452.5	438.5	363.1	75.42	5.814	
8,050.0	7,211.5	8,072.1	7,212.3	40.7	37.9	-90.22	-1,498.2	453.1	439.2	364.4	74.84	5.869	
8,100.0	7,217.4	8,119.3	7,217.7	40.3	37.5	-90.07	-1,451.3	453.3	439.7	365.4	74.29	5.918	
8,150.0	7,219.9	8,166.6	7,219.9	40.0	37.1	-90.00	-1,404.1	453.3	439.9	366.1	73.77	5.963	
8,161.4	7,220.0	8,177.4	7,220.0	39.9	37.0	-90.00	-1,393.3	453.3	439.9	366.2	73.66	5.972	
8,200.0	7,220.0	8,215.9	7,220.0	39.6	36.7	-90.00	-1,354.7	453.1	439.9	366.8	73.10	6.018	
8,300.0	7,220.0	8,315.9	7,220.0	38.8	36.0	-90.00	-1,254.7	452.6	439.9	368.2	71.72	6.133	
8,400.0	7,220.0	8,415.9	7,220.0	38.2	35.3	-90.00	-1,154.7	452.2	439.9	369.3	70.53	6.237	
8,500.0	7,220.0	8,515.9	7,220.0	37.6	34.8	-90.00	-1,054.7	451.7	439.8	370.3	69.52	6.327	

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

Offset Design SRC Vista (N/S) Pad Sec.2-T4N-R68W - SRC Vista 11-2CHZ - Wellbore #1 - Plan #1 (11-06-14)													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	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset	Highside Toolface	Offset Wellbore Centre		Between Centres	Between Ellipses	Minimum Separation	Separation Factor		
(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(°)	+N/-S (ft)	+E/-W (ft)	(ft)	(ft)	(ft)			
8,600.0	7,220.0	8,615.9	7,220.0	37.0	34.3	-90.00	-954.7	451.2	439.8	371.1	68.72	6.400		
8,700.0	7,220.0	8,715.9	7,220.0	36.6	33.9	-90.00	-854.7	450.8	439.8	371.7	68.13	6.456		
8,800.0	7,220.0	8,815.9	7,220.0	36.2	33.7	-90.00	-754.7	450.3	439.8	372.0	67.74	6.492		
8,900.0	7,220.0	8,915.9	7,220.0	35.9	33.5	-90.00	-654.7	449.8	439.8	372.2	67.58	6.507		
9,000.0	7,220.0	9,015.9	7,220.0	35.7	33.4	-90.00	-554.7	449.3	439.7	372.1	67.63	6.502		
9,100.0	7,220.0	9,115.9	7,220.0	35.7	33.5	-90.00	-454.7	448.9	439.7	371.8	67.90	6.476		
9,200.0	7,220.0	9,215.9	7,220.0	35.7	33.7	-90.00	-354.7	448.4	439.7	371.3	68.39	6.429		
9,300.0	7,220.0	9,315.9	7,220.0	35.9	34.0	-90.00	-254.7	447.9	439.7	370.6	69.09	6.364		
9,400.0	7,220.0	9,415.9	7,220.0	36.1	34.4	-90.00	-154.7	447.5	439.7	369.7	69.99	6.282		
9,500.0	7,220.0	9,515.9	7,220.0	36.6	34.9	-90.00	-54.7	447.0	439.6	368.6	71.09	6.185		
9,600.0	7,220.0	9,615.9	7,220.0	37.1	35.5	-90.00	45.3	446.5	439.6	367.3	72.38	6.074		
9,700.0	7,220.0	9,715.9	7,220.0	37.7	36.2	-90.00	145.3	446.0	439.6	365.8	73.84	5.954		
9,800.0	7,220.0	9,815.9	7,220.0	38.5	37.0	-90.00	245.3	445.6	439.6	364.1	75.47	5.825		
9,900.0	7,220.0	9,915.9	7,220.0	39.4	37.9	-90.00	345.3	445.1	439.6	362.3	77.26	5.689		
10,000.0	7,220.0	10,015.9	7,220.0	40.3	38.9	-90.00	445.3	444.6	439.6	360.4	79.19	5.550		
10,031.8	7,220.0	10,047.7	7,220.0	40.6	39.2	-90.00	477.0	444.5	439.5	359.7	79.84	5.506		
10,040.9	7,220.0	10,053.7	7,220.0	40.7	39.3	-90.00	483.1	444.5	439.6	359.6	79.99	5.495		
10,096.8	7,220.0	10,100.0	7,220.0	41.2	39.7	-90.00	529.3	443.7	439.5	358.6	80.81	5.438		
10,100.0	7,220.0	10,100.0	7,220.0	41.2	39.7	-90.00	529.3	443.7	439.5	358.6	80.83	5.437		
10,200.0	7,220.0	10,185.6	7,220.0	42.0	40.2	-90.00	614.8	439.3	438.5	356.6	81.91	5.353		
10,230.4	7,220.0	10,210.3	7,220.0	42.3	40.4	-90.00	639.5	437.3	438.0	355.8	82.22	5.327		
10,273.9	7,220.0	10,246.2	7,220.0	42.8	40.7	-90.00	675.1	433.9	437.6	354.7	82.92	5.278		
10,300.0	7,220.0	10,271.7	7,220.0	43.0	41.0	-90.00	700.5	431.2	437.7	354.2	83.44	5.245		
10,400.0	7,220.0	10,371.7	7,220.0	44.3	42.2	-90.00	800.0	420.7	437.8	351.9	85.86	5.099		
10,500.0	7,220.0	10,471.7	7,220.0	45.7	43.5	-90.00	899.4	410.1	437.9	349.5	88.44	4.952		
10,600.0	7,220.0	10,571.7	7,220.0	47.0	44.8	-90.00	998.9	399.6	438.1	347.0	91.12	4.808		
10,700.0	7,220.0	10,671.7	7,220.0	48.5	46.2	-90.00	1,098.3	389.1	438.2	344.3	93.88	4.668		
10,800.0	7,220.0	10,771.7	7,220.0	49.9	47.7	-90.00	1,197.7	378.5	438.3	341.6	96.73	4.532		
10,900.0	7,220.0	10,871.7	7,220.0	51.4	49.2	-90.00	1,297.2	368.0	438.5	338.8	99.65	4.400		
11,000.0	7,220.0	10,971.7	7,220.0	52.9	50.7	-90.00	1,396.6	357.5	438.6	336.0	102.64	4.273		
11,100.0	7,220.0	11,071.7	7,220.0	54.5	52.2	-90.00	1,496.1	347.0	438.7	333.0	105.69	4.151		
11,200.0	7,220.0	11,171.7	7,220.0	56.0	53.8	-90.00	1,595.5	336.4	438.8	330.1	108.79	4.034		
11,300.0	7,220.0	11,271.7	7,220.0	57.6	55.4	-90.00	1,695.0	325.9	439.0	327.0	111.95	3.921		
11,400.0	7,220.0	11,371.7	7,220.0	59.2	57.0	-90.00	1,794.4	315.4	439.1	324.0	115.16	3.813		
11,500.0	7,220.0	11,471.7	7,220.0	60.9	58.6	-90.00	1,893.8	304.9	439.2	320.8	118.41	3.709		
11,600.0	7,220.0	11,571.7	7,220.0	62.5	60.2	-90.00	1,993.3	294.3	439.4	317.7	121.70	3.610		
11,700.0	7,220.0	11,671.7	7,220.0	64.2	61.9	-90.00	2,092.7	283.8	439.5	314.5	125.03	3.515		
11,800.0	7,220.0	11,771.7	7,220.0	65.9	63.6	-90.00	2,192.2	273.3	439.6	311.2	128.40	3.424		
11,900.0	7,220.0	11,871.7	7,220.0	67.6	65.3	-90.00	2,291.6	262.7	439.8	308.0	131.79	3.337		
11,914.9	7,220.0	11,886.6	7,220.0	67.8	65.6	-90.00	2,306.4	261.2	439.8	307.5	132.30	3.324 SF		

Company:	Synergy Resources	Local Co-ordinate Reference:	Well SRC Vista 12-2CHZ
Project:	SEC.2-T4N-R68W	TVD Reference:	WELL @ 5013.0ft (Original Well Elev)
Reference Site:	SRC Vista (N/S) Pad Sec.2-T4N-R68W	MD Reference:	WELL @ 5013.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	SRC Vista 12-2CHZ	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 (11-07-14)	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.0 ft
Survey Program: 0-MWD													Offset Well Error:	0.0 ft
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Semi Major Axis 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	0.00	59.7	0.0	59.7					
100.0	100.0	100.0	100.0	0.1	0.1	0.00	59.7	0.0	59.7	59.5	0.22	265.799		
200.0	200.0	200.0	200.0	0.3	0.3	0.00	59.7	0.0	59.7	59.1	0.67	88.600		
300.0	300.0	300.0	300.0	0.6	0.6	0.00	59.7	0.0	59.7	58.6	1.12	53.160		
400.0	400.0	400.0	400.0	0.8	0.8	0.00	59.7	0.0	59.7	58.2	1.57	37.971		
500.0	500.0	500.0	500.0	1.0	1.0	0.00	59.7	0.0	59.7	57.7	2.02	29.533		
600.0	600.0	600.0	600.0	1.2	1.2	0.00	59.7	0.0	59.7	57.3	2.47	24.164		
700.0	700.0	700.0	700.0	1.5	1.5	0.00	59.7	0.0	59.7	56.8	2.92	20.446		
800.0	800.0	800.0	800.0	1.7	1.7	0.00	59.7	0.0	59.7	56.4	3.37	17.720		
900.0	900.0	900.0	900.0	1.9	1.9	0.00	59.7	0.0	59.7	55.9	3.82	15.635		
1,000.0	1,000.0	1,000.0	1,000.0	2.1	2.1	0.00	59.7	0.0	59.7	55.5	4.27	13.989		
1,100.0	1,100.0	1,100.0	1,100.0	2.4	2.4	0.00	59.7	0.0	59.7	55.0	4.72	12.657		
1,200.0	1,200.0	1,200.0	1,200.0	2.6	2.6	0.00	59.7	0.0	59.7	54.6	5.17	11.556		
1,300.0	1,300.0	1,300.0	1,300.0	2.8	2.8	0.00	59.7	0.0	59.7	54.1	5.62	10.632		
1,400.0	1,400.0	1,400.0	1,400.0	3.0	3.0	0.00	59.7	0.0	59.7	53.7	6.07	9.844 CC, ES		
1,500.0	1,500.0	1,500.0	1,500.0	3.2	3.3	-161.05	59.7	0.0	61.4	54.9	6.49	9.461		
1,600.0	1,599.8	1,599.8	1,599.8	3.4	3.5	-162.48	59.7	0.0	66.4	59.5	6.88	9.645		
1,700.0	1,699.5	1,699.5	1,699.5	3.6	3.7	-164.45	59.7	0.0	74.7	67.4	7.27	10.277		
1,800.0	1,798.7	1,798.7	1,798.7	3.8	3.9	-166.56	59.7	0.0	86.5	78.9	7.66	11.297		
1,900.0	1,897.5	1,897.5	1,897.5	4.0	4.2	-168.54	59.7	0.0	101.8	93.8	8.04	12.658		
2,000.0	1,995.6	1,995.6	1,995.6	4.3	4.4	-170.28	59.7	0.0	120.6	112.2	8.42	14.316		
2,100.0	2,093.1	2,097.9	2,097.8	4.6	4.6	-171.89	58.1	0.1	141.2	132.5	8.78	16.092		
2,200.0	2,189.6	2,201.0	2,200.9	5.0	4.8	-173.42	52.7	0.6	161.9	152.8	9.10	17.789		
2,300.0	2,285.3	2,305.0	2,304.4	5.4	4.9	-174.92	43.6	1.4	182.5	173.1	9.43	19.360		
2,400.0	2,379.8	2,409.6	2,408.2	5.9	5.1	-176.39	30.6	2.5	203.2	193.4	9.76	20.810		
2,500.0	2,473.2	2,515.0	2,512.3	6.5	5.4	-177.85	13.7	3.9	223.9	213.7	10.11	22.142		
2,600.0	2,565.2	2,621.2	2,616.3	7.1	5.6	-179.30	-7.1	5.6	244.5	234.0	10.47	23.355		
2,700.0	2,655.8	2,728.1	2,720.3	7.8	5.9	-179.25	-32.0	7.7	265.2	254.3	10.85	24.441		
2,789.9	2,736.0	2,824.8	2,813.5	8.5	6.3	-177.95	-57.8	9.9	283.8	272.6	11.22	25.301		
2,800.0	2,744.9	2,835.7	2,823.9	8.6	6.3	-177.80	-60.9	10.2	285.9	274.6	11.27	25.358		
2,900.0	2,833.4	2,944.4	2,927.4	9.5	6.7	-176.34	-94.0	12.9	304.5	292.7	11.86	25.684		
3,000.0	2,921.9	3,054.4	3,030.7	10.3	7.2	-174.81	-131.4	16.1	319.8	307.3	12.50	25.583		
3,100.0	3,010.3	3,165.2	3,133.3	11.2	7.8	-173.17	-173.1	19.6	331.6	318.4	13.21	25.103		
3,200.0	3,098.8	3,276.6	3,234.7	12.1	8.5	-171.37	-219.0	23.5	340.1	326.1	14.01	24.282		
3,300.0	3,187.2	3,388.2	3,334.5	12.9	9.3	-169.38	-268.9	27.7	345.3	330.4	14.91	23.160		
3,400.0	3,275.7	3,499.7	3,432.1	13.8	10.2	-167.15	-322.5	32.2	347.3	331.4	15.95	21.778		
3,500.0	3,364.2	3,610.7	3,527.2	14.7	11.1	-164.63	-379.7	37.0	346.3	329.2	17.16	20.179		
3,600.0	3,452.6	3,721.0	3,619.3	15.6	12.1	-161.76	-440.1	42.1	342.6	324.0	18.60	18.423		
3,700.0	3,541.1	3,825.7	3,704.8	16.6	13.2	-158.64	-500.4	47.2	336.7	316.5	20.24	16.638		
3,800.0	3,629.5	3,923.9	3,784.5	17.5	14.2	-155.55	-557.4	52.0	331.3	309.3	22.02	15.045		
3,900.0	3,718.0	4,022.0	3,864.2	18.4	15.2	-152.38	-614.5	56.8	326.9	302.9	23.99	13.625		
4,000.0	3,806.5	4,120.2	3,944.0	19.3	16.2	-149.13	-671.6	61.6	323.5	297.4	26.14	12.375		
4,100.0	3,894.9	4,218.4	4,023.7	20.2	17.3	-145.82	-728.7	66.4	321.2	292.8	28.46	11.289		
4,200.0	3,983.4	4,316.5	4,103.4	21.2	18.3	-142.48	-785.7	71.2	320.1	289.2	30.91	10.355		
4,250.3	4,027.9	4,365.9	4,143.5	21.6	18.9	-140.79	-814.4	73.6	320.0	287.8	32.20	9.938		
4,300.0	4,071.8	4,414.7	4,183.1	22.1	19.4	-139.13	-842.8	76.0	320.1	286.6	33.49	9.559		
4,400.0	4,160.3	4,512.9	4,262.8	23.0	20.5	-135.79	-899.9	80.8	321.2	285.1	36.15	8.887		
4,500.0	4,248.8	4,611.0	4,342.6	24.0	21.5	-132.48	-956.9	85.6	323.5	284.6	38.87	8.323		
4,600.0	4,337.2	4,709.2	4,422.3	24.9	22.6	-129.23	-1,014.0	90.4	326.8	285.2	41.62	7.853		
4,700.0	4,425.7	4,807.4	4,502.0	25.8	23.7	-126.05	-1,071.1	95.3	331.3	286.9	44.37	7.465		
4,800.0	4,514.1	4,905.5	4,581.7	26.8	24.8	-122.97	-1,128.2	100.1	336.7	289.6	47.11	7.147		
4,900.0	4,602.6	5,003.7	4,661.5	27.7	25.9	-119.98	-1,185.2	104.9	343.1	293.3	49.82	6.888		

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 Vista 12-2CHZ
Project:	SEC.2-T4N-R68W	TVD Reference:	WELL @ 5013.0ft (Original Well Elev)
Reference Site:	SRC Vista (N/S) Pad Sec.2-T4N-R68W	MD Reference:	WELL @ 5013.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	SRC Vista 12-2CHZ	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 (11-07-14)	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		
5,000.0	4,691.1	5,101.8	4,741.2	28.6	27.0	117.11	-1,242.3	109.7	350.5	298.0	52.47	6.679		
5,100.0	4,779.5	5,200.0	4,820.9	29.6	28.0	114.36	-1,299.4	114.5	358.7	303.6	55.06	6.514		
5,200.0	4,868.0	5,298.2	4,900.6	30.5	29.1	111.74	-1,356.5	119.3	367.7	310.1	57.58	6.385		
5,300.0	4,956.4	5,396.3	4,980.4	31.4	30.2	109.24	-1,413.5	124.1	377.4	317.4	60.04	6.286		
5,400.0	5,044.9	5,494.5	5,060.1	32.4	31.3	106.87	-1,470.6	128.9	387.9	325.5	62.42	6.214		
5,500.0	5,133.4	5,592.7	5,139.8	33.3	32.4	104.62	-1,527.7	133.7	399.0	334.2	64.73	6.163		
5,600.0	5,221.8	5,690.8	5,219.5	34.3	33.5	102.50	-1,584.7	138.5	410.6	343.7	66.97	6.131		
5,700.0	5,310.3	5,789.0	5,299.3	35.2	34.6	100.49	-1,641.8	143.3	422.9	353.7	69.15	6.115		
5,800.0	5,398.7	5,887.2	5,379.0	36.1	35.7	98.60	-1,698.9	148.1	435.6	364.3	71.27	6.112		
5,900.0	5,487.2	5,985.3	5,458.7	37.1	36.9	96.81	-1,756.0	152.9	448.7	375.4	73.33	6.119		
6,000.0	5,575.6	6,083.5	5,538.4	38.0	38.0	95.12	-1,813.0	157.8	462.3	387.0	75.33	6.137		
6,100.0	5,664.1	6,181.7	5,618.2	39.0	39.1	93.53	-1,870.1	162.6	476.2	398.9	77.29	6.162		
6,200.0	5,752.6	6,279.8	5,697.9	39.9	40.2	92.03	-1,927.2	167.4	490.5	411.3	79.21	6.193		
6,300.0	5,841.0	6,380.9	5,780.1	40.8	41.3	90.59	-1,985.9	172.3	505.1	424.0	81.09	6.229		
6,400.0	5,929.5	6,508.7	5,891.1	41.8	42.2	90.31	-2,048.4	178.9	516.6	433.7	82.91	6.231		
6,500.0	6,017.9	6,635.0	6,009.9	42.7	42.9	92.37	-2,089.9	185.9	522.7	438.0	84.70	6.172		
6,600.0	6,106.4	6,752.4	6,125.5	43.7	43.2	96.28	-2,109.2	192.6	525.2	439.1	86.16	6.096		
6,709.8	6,203.6	6,865.9	6,238.7	44.7	43.3	101.82	-2,109.6	199.0	527.5	440.6	86.98	6.065		
6,750.0	6,239.6	6,903.6	6,276.1	45.0	43.2	106.57	-2,105.8	201.1	529.3	442.4	86.92	6.090		
6,800.0	6,285.6	6,949.1	6,320.9	45.3	43.2	113.49	-2,098.5	203.6	532.8	446.2	86.59	6.153		
6,850.0	6,332.7	6,993.1	6,363.8	45.6	43.1	122.06	-2,088.8	206.0	537.6	451.5	86.07	6.246		
6,900.0	6,380.7	7,035.9	6,404.9	45.8	42.9	133.28	-2,076.9	208.3	543.6	458.2	85.38	6.367		
6,950.0	6,429.4	7,077.6	6,444.1	45.9	42.8	148.68	-2,062.9	210.5	550.7	466.2	84.54	6.514		
7,000.0	6,478.4	7,118.3	6,481.5	46.1	42.6	169.70	-2,047.1	212.5	558.8	475.2	83.58	6.686		
7,050.0	6,527.7	7,158.1	6,517.1	46.1	42.4	-165.21	-2,029.6	214.5	567.7	485.2	82.52	6.879		
7,100.0	6,576.9	7,200.0	6,553.6	46.2	42.2	-141.82	-2,009.0	216.5	577.2	495.9	81.31	7.099		
7,150.0	6,625.8	7,235.4	6,583.4	46.2	41.9	-124.36	-1,990.0	218.1	587.3	507.1	80.17	7.325		
7,200.0	6,674.1	7,273.1	6,614.1	46.1	41.7	-111.91	-1,968.2	219.7	597.7	518.8	78.92	7.574		
7,250.0	6,721.6	7,310.2	6,643.2	46.0	41.4	-102.89	-1,945.1	221.3	608.4	530.7	77.64	7.835		
7,300.0	6,768.2	7,350.0	6,672.9	45.9	41.1	-95.98	-1,918.8	222.8	619.1	542.9	76.28	8.117		
7,350.0	6,813.5	7,383.1	6,696.6	45.7	40.8	-90.70	-1,895.7	224.1	629.9	554.8	75.08	8.390		
7,400.0	6,857.4	7,418.9	6,720.9	45.5	40.6	-86.33	-1,869.4	225.3	640.5	566.7	73.82	8.677		
7,450.0	6,899.5	7,450.0	6,740.9	45.2	40.3	-82.78	-1,845.7	226.4	650.9	578.2	72.70	8.954		
7,500.0	6,939.8	7,489.5	6,764.9	44.9	39.9	-79.59	-1,814.3	227.6	661.0	589.5	71.43	9.253		
7,550.0	6,978.1	7,524.3	6,784.5	44.6	39.6	-76.94	-1,785.5	228.6	670.6	600.3	70.33	9.535		
7,600.0	7,014.0	7,558.9	6,802.6	44.3	39.3	-74.65	-1,756.1	229.5	679.8	610.5	69.31	9.808		
7,650.0	7,047.6	7,600.0	6,822.3	43.9	38.9	-72.56	-1,720.0	230.4	688.4	620.2	68.26	10.085		
7,700.0	7,078.5	7,627.5	6,834.3	43.6	38.7	-70.94	-1,695.3	231.0	696.4	628.8	67.56	10.307		
7,750.0	7,106.7	7,661.5	6,847.7	43.2	38.4	-69.46	-1,664.0	231.6	703.7	636.8	66.86	10.526		
7,800.0	7,132.0	7,700.0	6,861.2	42.8	38.0	-68.14	-1,628.0	232.2	710.3	644.1	66.20	10.730		
7,850.0	7,154.3	7,729.2	6,870.1	42.4	37.7	-67.11	-1,600.2	232.6	716.1	650.3	65.81	10.882		
7,900.0	7,173.5	7,762.8	6,878.9	42.0	37.4	-66.21	-1,567.8	232.9	721.1	655.7	65.47	11.015		
7,950.0	7,189.5	7,800.0	6,886.9	41.6	37.1	-65.46	-1,531.5	233.2	725.4	660.1	65.21	11.123		
8,000.0	7,202.1	7,829.8	6,892.0	41.1	36.8	-64.92	-1,502.1	233.3	728.7	663.5	65.16	11.183		
8,050.0	7,211.5	7,863.3	6,896.2	40.7	36.5	-64.51	-1,468.9	233.4	731.1	666.0	65.17	11.218		
8,100.0	7,217.4	7,900.0	6,899.0	40.3	36.2	-64.24	-1,432.3	233.4	732.7	667.5	65.25	11.229		
8,150.0	7,219.9	7,930.0	6,900.0	40.0	35.9	-64.14	-1,402.3	233.3	733.4	667.9	65.48	11.201		
8,161.4	7,220.0	7,938.0	6,900.0	39.9	35.9	-64.13	-1,394.3	233.3	733.4	667.9	65.53	11.192		
8,200.0	7,220.0	7,976.6	6,900.0	39.6	35.5	-64.13	-1,355.8	233.1	733.4	668.4	65.02	11.280		
8,300.0	7,220.0	8,076.6	6,900.0	38.8	34.8	-64.13	-1,255.8	232.6	733.4	669.6	63.79	11.497		
8,400.0	7,220.0	8,176.6	6,900.0	38.2	34.1	-64.13	-1,155.8	232.2	733.4	670.6	62.73	11.691		
8,500.0	7,220.0	8,276.6	6,900.0	37.6	33.5	-64.13	-1,055.8	231.7	733.3	671.5	61.85	11.857		

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 Vista 12-2CHZ
Project:	SEC.2-T4N-R68W	TVD Reference:	WELL @ 5013.0ft (Original Well Elev)
Reference Site:	SRC Vista (N/S) Pad Sec.2-T4N-R68W	MD Reference:	WELL @ 5013.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	SRC Vista 12-2CHZ	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 (11-07-14)	Offset TVD Reference:	Offset Datum

Offset Design												Offset Site Error:	0.0 ft
SRC Vista (N/S) Pad Sec.2-T4N-R68W - SRC Vista 11-2NHZ - Wellbore #1 - Plan #1 (11-06-14)												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
8,600.0	7,220.0	8,376.6	6,900.0	37.0	33.0	-64.13	-955.8	231.2	733.3	672.2	61.16	11.991	
8,700.0	7,220.0	8,476.6	6,900.0	36.6	32.7	-64.13	-855.8	230.8	733.3	672.7	60.66	12.088	
8,800.0	7,220.0	8,576.6	6,900.0	36.2	32.4	-64.13	-755.8	230.3	733.3	672.9	60.37	12.147	
8,900.0	7,220.0	8,676.6	6,900.0	35.9	32.3	-64.13	-655.8	229.8	733.3	673.0	60.28	12.164	
9,000.0	7,220.0	8,776.6	6,900.0	35.7	32.2	-64.13	-555.8	229.3	733.3	672.9	60.40	12.141	
9,100.0	7,220.0	8,876.6	6,900.0	35.7	32.3	-64.12	-455.8	228.9	733.2	672.5	60.72	12.076	
9,200.0	7,220.0	8,976.6	6,900.0	35.7	32.5	-64.12	-355.8	228.4	733.2	672.0	61.24	11.974	
9,300.0	7,220.0	9,076.6	6,900.0	35.9	32.8	-64.12	-255.8	227.9	733.2	671.3	61.95	11.835	
9,400.0	7,220.0	9,176.6	6,900.0	36.1	33.2	-64.12	-155.8	227.5	733.2	670.3	62.86	11.664	
9,500.0	7,220.0	9,276.6	6,900.0	36.6	33.7	-64.12	-55.8	227.0	733.2	669.2	63.94	11.466	
9,600.0	7,220.0	9,376.6	6,900.0	37.1	34.4	-64.12	44.2	226.5	733.2	668.0	65.20	11.245	
9,700.0	7,220.0	9,476.6	6,900.0	37.7	35.1	-64.12	144.2	226.0	733.1	666.5	66.62	11.005	
9,800.0	7,220.0	9,576.6	6,900.0	38.5	35.9	-64.12	244.2	225.6	733.1	664.9	68.19	10.751	
9,900.0	7,220.0	9,676.6	6,900.0	39.4	36.8	-64.12	344.2	225.1	733.1	663.2	69.90	10.488	
10,000.0	7,220.0	9,776.6	6,900.0	40.3	37.8	-64.12	444.2	224.6	733.1	661.3	71.75	10.218	
10,031.2	7,220.0	9,807.7	6,900.0	40.6	38.1	-64.12	475.4	224.5	733.1	660.7	72.34	10.133	
10,040.9	7,220.0	9,812.9	6,900.0	40.7	38.1	-64.12	480.5	224.5	733.1	660.6	72.49	10.114	
10,100.0	7,220.0	9,860.2	6,900.0	41.2	38.5	-64.11	527.9	223.7	733.0	659.4	73.54	9.967	
10,200.0	7,220.0	9,934.5	6,900.0	42.0	39.1	-64.06	602.1	220.0	731.8	656.8	74.97	9.761	
10,230.4	7,220.0	9,957.2	6,900.0	42.3	39.2	-64.04	624.7	218.3	731.2	655.8	75.37	9.701	
10,295.0	7,220.0	10,006.1	6,900.0	43.0	39.6	-64.02	673.4	213.8	730.5	654.2	76.32	9.572	
10,300.0	7,220.0	10,009.9	6,900.0	43.0	39.6	-64.02	677.2	213.4	730.5	654.1	76.40	9.562	
10,400.0	7,220.0	10,109.9	6,900.0	44.3	40.7	-64.03	776.6	202.8	730.7	652.1	78.55	9.303	
10,500.0	7,220.0	10,209.9	6,900.0	45.7	42.0	-64.03	876.1	192.2	730.8	649.9	80.96	9.028	
10,600.0	7,220.0	10,309.9	6,900.0	47.0	43.3	-64.04	975.5	181.7	731.0	647.5	83.45	8.759	
10,700.0	7,220.0	10,409.9	6,900.0	48.5	44.7	-64.04	1,075.0	171.1	731.2	645.1	86.03	8.499	
10,800.0	7,220.0	10,509.9	6,900.0	49.9	46.2	-64.05	1,174.4	160.5	731.3	642.6	88.68	8.247	
10,900.0	7,220.0	10,609.9	6,900.0	51.4	47.7	-64.06	1,273.8	150.0	731.5	640.1	91.39	8.004	
11,000.0	7,220.0	10,709.9	6,900.0	52.9	49.2	-64.06	1,373.3	139.4	731.6	637.5	94.16	7.770	
11,100.0	7,220.0	10,809.9	6,900.0	54.5	50.7	-64.07	1,472.7	128.8	731.8	634.8	96.98	7.545	
11,200.0	7,220.0	10,909.9	6,900.0	56.0	52.3	-64.07	1,572.2	118.3	731.9	632.1	99.86	7.329	
11,300.0	7,220.0	11,009.9	6,900.0	57.6	53.9	-64.08	1,671.6	107.7	732.1	629.3	102.78	7.123	
11,400.0	7,220.0	11,109.9	6,900.0	59.2	55.5	-64.09	1,771.0	97.1	732.2	626.5	105.75	6.924	
11,500.0	7,220.0	11,209.9	6,900.0	60.9	57.1	-64.09	1,870.5	86.6	732.4	623.6	108.75	6.735	
11,600.0	7,220.0	11,309.9	6,900.0	62.5	58.8	-64.10	1,969.9	76.0	732.5	620.8	111.79	6.553	
11,700.0	7,220.0	11,409.9	6,900.0	64.2	60.5	-64.10	2,069.3	65.4	732.7	617.8	114.86	6.379	
11,800.0	7,220.0	11,509.9	6,900.0	65.9	62.2	-64.11	2,168.8	54.9	732.8	614.9	117.96	6.213	
11,900.0	7,220.0	11,609.9	6,900.0	67.6	63.9	-64.12	2,268.2	44.3	733.0	611.9	121.09	6.054	
11,914.9	7,220.0	11,624.8	6,900.0	67.8	64.1	-64.12	2,283.0	42.7	733.0	611.5	121.56	6.030 SF	

Company:	Synergy Resources	Local Co-ordinate Reference:	Well SRC Vista 12-2CHZ
Project:	SEC.2-T4N-R68W	TVD Reference:	WELL @ 5013.0ft (Original Well Elev)
Reference Site:	SRC Vista (N/S) Pad Sec.2-T4N-R68W	MD Reference:	WELL @ 5013.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	SRC Vista 12-2CHZ	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 (11-07-14)	Offset TVD Reference:	Offset Datum

Offset Design SRC Vista (N/S) Pad Sec.2-T4N-R68W - SRC Vista 12-2NHZ - Wellbore #1 - Plan #1 (11-07-14)													Offset Site Error:	0.0 ft
Survey Program: 0-MWD													Offset Well Error:	0.0 ft
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Semi Major Axis 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	0.00	20.0	0.0	20.0					
100.0	100.0	100.0	100.0	0.1	0.1	0.00	20.0	0.0	20.0	19.8	0.22	89.128		
200.0	200.0	200.0	200.0	0.3	0.3	0.00	20.0	0.0	20.0	19.4	0.67	29.709		
300.0	300.0	300.0	300.0	0.6	0.6	0.00	20.0	0.0	20.0	18.9	1.12	17.826		
400.0	400.0	400.0	400.0	0.8	0.8	0.00	20.0	0.0	20.0	18.5	1.57	12.733		
500.0	500.0	500.0	500.0	1.0	1.0	0.00	20.0	0.0	20.0	18.0	2.02	9.903		
600.0	600.0	600.0	600.0	1.2	1.2	0.00	20.0	0.0	20.0	17.6	2.47	8.103		
700.0	700.0	700.0	700.0	1.5	1.5	0.00	20.0	0.0	20.0	17.1	2.92	6.856		
800.0	800.0	800.0	800.0	1.7	1.7	0.00	20.0	0.0	20.0	16.7	3.37	5.942		
900.0	900.0	900.0	900.0	1.9	1.9	0.00	20.0	0.0	20.0	16.2	3.82	5.243		
1,000.0	1,000.0	1,000.0	1,000.0	2.1	2.1	0.00	20.0	0.0	20.0	15.8	4.27	4.691		
1,100.0	1,100.0	1,100.0	1,100.0	2.4	2.4	0.00	20.0	0.0	20.0	15.3	4.72	4.244		
1,200.0	1,200.0	1,200.0	1,200.0	2.6	2.6	0.00	20.0	0.0	20.0	14.9	5.17	3.875		
1,300.0	1,300.0	1,300.0	1,300.0	2.8	2.8	0.00	20.0	0.0	20.0	14.4	5.62	3.565		
1,400.0	1,400.0	1,400.0	1,400.0	3.0	3.0	0.00	20.0	0.0	20.0	14.0	6.07	3.301 CC, ES		
1,500.0	1,500.0	1,500.0	1,500.0	3.2	3.3	-162.04	20.0	0.0	21.7	15.2	6.49	3.342		
1,600.0	1,599.8	1,599.8	1,599.8	3.4	3.5	-165.48	20.0	0.0	26.7	19.8	6.88	3.883		
1,700.0	1,699.5	1,700.6	1,700.6	3.6	3.7	-168.74	18.3	0.4	33.5	26.2	7.24	4.623		
1,800.0	1,798.7	1,801.7	1,801.5	3.8	3.9	-171.34	13.2	1.8	40.3	32.7	7.58	5.313		
1,900.0	1,897.5	1,903.0	1,902.4	4.0	4.0	-173.58	4.5	4.0	47.0	39.1	7.91	5.941		
2,000.0	1,995.6	2,004.5	2,003.2	4.3	4.2	-175.60	-7.6	7.1	53.8	45.5	8.26	6.513		
2,100.0	2,093.1	2,106.3	2,103.7	4.6	4.5	-177.47	-23.2	11.0	60.5	51.9	8.61	7.034		
2,200.0	2,189.6	2,208.3	2,203.8	5.0	4.7	-179.23	-42.3	15.9	67.3	58.3	8.96	7.507		
2,300.0	2,285.3	2,310.6	2,303.3	5.4	5.1	179.07	-64.9	21.7	74.0	64.7	9.33	7.932		
2,400.0	2,379.8	2,413.1	2,402.2	5.9	5.4	177.42	-91.0	28.4	80.8	71.0	9.72	8.309		
2,500.0	2,473.2	2,515.8	2,500.3	6.5	5.9	175.82	-120.6	35.9	87.5	77.4	10.13	8.639		
2,600.0	2,565.2	2,618.8	2,597.5	7.1	6.4	174.24	-153.6	44.4	94.2	83.7	10.57	8.912		
2,700.0	2,655.8	2,722.0	2,693.5	7.8	6.9	172.69	-190.1	53.7	101.0	89.9	11.06	9.129		
2,789.9	2,736.0	2,815.0	2,778.9	8.5	7.5	171.31	-225.9	62.8	107.0	95.5	11.54	9.273		
2,800.0	2,744.9	2,825.4	2,788.4	8.6	7.6	171.16	-230.0	63.9	107.7	96.1	11.61	9.273		
2,900.0	2,833.4	2,929.1	2,881.9	9.5	8.3	169.46	-273.4	74.9	112.4	100.0	12.35	9.096		
3,000.0	2,921.9	3,033.0	2,973.9	10.3	9.1	167.36	-320.0	86.9	113.7	100.5	13.20	8.609		
3,100.0	3,010.3	3,136.7	3,064.0	11.2	10.0	164.68	-369.8	99.6	111.7	97.5	14.21	7.860		
3,200.0	3,098.8	3,237.6	3,150.3	12.1	10.9	161.41	-420.6	112.6	107.4	92.0	15.42	6.962		
3,300.0	3,187.2	3,337.3	3,235.4	12.9	11.9	157.86	-471.0	125.4	103.2	86.4	16.85	6.129		
3,400.0	3,275.7	3,437.0	3,320.5	13.8	12.8	154.04	-521.3	138.3	99.6	81.0	18.52	5.377		
3,500.0	3,364.2	3,536.7	3,405.6	14.7	13.8	149.95	-571.7	151.1	96.3	75.9	20.45	4.712		
3,600.0	3,452.6	3,636.5	3,490.6	15.6	14.8	145.59	-622.1	164.0	93.6	71.0	22.64	4.136		
3,700.0	3,541.1	3,736.2	3,575.7	16.6	15.8	141.01	-672.4	176.9	91.5	66.4	25.08	3.649		
3,800.0	3,629.5	3,835.9	3,660.8	17.5	16.7	136.25	-722.8	189.7	90.0	62.3	27.72	3.247		
3,900.0	3,718.0	3,935.6	3,745.9	18.4	17.7	131.36	-773.1	202.6	89.1	58.6	30.53	2.920		
3,979.9	3,788.7	4,015.2	3,813.9	19.1	18.5	127.40	-813.4	212.9	88.9	56.1	32.83	2.708		
4,000.0	3,806.5	4,035.3	3,831.0	19.3	18.7	126.41	-823.5	215.5	88.9	55.5	33.42	2.662		
4,100.0	3,894.9	4,135.0	3,916.1	20.2	19.8	121.47	-873.9	228.3	89.4	53.1	36.33	2.461		
4,200.0	3,983.4	4,234.7	4,001.1	21.2	20.8	116.62	-924.2	241.2	90.5	51.3	39.20	2.310		
4,300.0	4,071.8	4,334.4	4,086.2	22.1	21.8	111.92	-974.6	254.0	92.3	50.3	41.97	2.199		
4,400.0	4,160.3	4,434.1	4,171.3	23.0	22.8	107.43	-1,024.9	266.9	94.7	50.0	44.61	2.122		
4,500.0	4,248.8	4,533.8	4,256.4	24.0	23.8	103.18	-1,075.3	279.8	97.6	50.5	47.09	2.072		
4,600.0	4,337.2	4,633.5	4,341.5	24.9	24.8	99.19	-1,125.6	292.6	101.0	51.6	49.41	2.044		
4,700.0	4,425.7	4,733.2	4,426.6	25.8	25.8	95.48	-1,176.0	305.5	104.9	53.3	51.57	2.033		
4,800.0	4,514.1	4,832.9	4,511.6	26.8	26.9	92.05	-1,226.4	318.3	109.1	55.6	53.58	2.037		
4,900.0	4,602.6	4,932.6	4,596.7	27.7	27.9	88.88	-1,276.7	331.2	113.8	58.3	55.45	2.052		

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 Vista 12-2CHZ
Project:	SEC.2-T4N-R68W	TVD Reference:	WELL @ 5013.0ft (Original Well Elev)
Reference Site:	SRC Vista (N/S) Pad Sec.2-T4N-R68W	MD Reference:	WELL @ 5013.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	SRC Vista 12-2CHZ	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 (11-07-14)	Offset TVD Reference:	Offset Datum

Offset Design												Offset Site Error:	0.0 ft
Survey Program: 0-MWDD												Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	
5,000.0	4,691.1	5,032.3	4,681.8	28.6	28.9	85.97	-1,327.1	344.1	118.8	61.5	57.21	2.076	
5,100.0	4,779.5	5,132.0	4,766.9	29.6	29.9	83.30	-1,377.4	356.9	124.0	65.1	58.87	2.107	
5,200.0	4,868.0	5,231.7	4,852.0	30.5	31.0	80.86	-1,427.8	369.8	129.5	69.1	60.44	2.143	
5,300.0	4,956.4	5,331.4	4,937.0	31.4	32.0	78.61	-1,478.1	382.7	135.2	73.3	61.95	2.183	
5,400.0	5,044.9	5,431.1	5,022.1	32.4	33.0	76.55	-1,528.5	395.5	141.1	77.7	63.39	2.226	
5,500.0	5,133.4	5,530.8	5,107.2	33.3	34.1	74.65	-1,578.9	408.4	147.2	82.4	64.80	2.272	
5,600.0	5,221.8	5,630.5	5,192.3	34.3	35.1	72.91	-1,629.2	421.2	153.4	87.2	66.16	2.319	
5,700.0	5,310.3	5,730.2	5,277.4	35.2	36.1	71.30	-1,679.6	434.1	159.8	92.3	67.50	2.367	
5,800.0	5,398.7	5,829.9	5,362.5	36.1	37.2	69.82	-1,729.9	447.0	166.2	97.4	68.81	2.416	
5,900.0	5,487.2	5,929.6	5,447.5	37.1	38.2	68.45	-1,780.3	459.8	172.8	102.7	70.10	2.465	
6,000.0	5,575.6	6,029.3	5,532.6	38.0	39.2	67.18	-1,830.7	472.7	179.4	108.1	71.38	2.514	
6,100.0	5,664.1	6,129.0	5,617.7	39.0	40.3	66.00	-1,881.0	485.6	186.2	113.5	72.64	2.563	
6,200.0	5,752.6	6,228.7	5,702.8	39.9	41.3	64.91	-1,931.4	498.4	193.0	119.1	73.90	2.612	
6,300.0	5,841.0	6,328.4	5,787.9	40.8	42.3	63.89	-1,981.7	511.3	199.9	124.7	75.15	2.660	
6,400.0	5,929.5	6,440.7	5,884.8	41.8	43.3	63.27	-2,036.3	525.9	205.4	128.8	76.56	2.683	
6,500.0	6,017.9	6,566.0	6,000.7	42.7	44.0	66.19	-2,080.3	543.3	199.9	120.3	79.67	2.510	
6,600.0	6,106.4	6,683.8	6,115.0	43.7	44.5	73.75	-2,102.5	560.4	183.9	99.5	84.42	2.178	
6,709.8	6,203.6	6,798.7	6,228.5	44.7	44.6	88.15	-2,105.7	577.2	161.3	72.2	89.08	1.811	
6,750.0	6,239.6	6,837.0	6,266.3	45.0	44.6	96.70	-2,102.6	582.8	154.7	65.2	89.49	1.728	
6,800.0	6,285.6	6,883.3	6,311.6	45.3	44.6	108.78	-2,096.2	589.5	149.7	61.0	88.70	1.688 SF	
6,839.8	6,323.0	6,919.1	6,346.4	45.5	44.5	119.73	-2,089.2	594.6	148.5	61.4	87.03	1.706	
6,850.0	6,332.7	6,928.1	6,355.1	45.6	44.5	122.74	-2,087.2	595.9	148.5	62.1	86.47	1.718	
6,900.0	6,380.7	6,971.7	6,396.7	45.8	44.4	139.28	-2,075.8	602.0	151.2	68.2	83.00	1.821	
6,950.0	6,429.4	7,014.1	6,436.5	45.9	44.3	159.64	-2,062.3	607.9	157.2	78.5	78.67	1.998	
7,000.0	6,478.4	7,055.6	6,474.5	46.1	44.1	-174.94	-2,046.9	613.4	166.0	92.1	73.93	2.246	
7,050.0	6,527.7	7,096.1	6,510.7	46.1	43.9	-146.12	-2,029.6	618.7	177.1	107.9	69.17	2.560	
7,100.0	6,576.9	7,135.8	6,545.3	46.2	43.7	-119.80	-2,010.7	623.7	189.6	125.0	64.66	2.933	
7,150.0	6,625.8	7,174.7	6,578.2	46.2	43.5	-99.80	-1,990.4	628.5	203.2	142.7	60.53	3.358	
7,200.0	6,674.1	7,213.1	6,609.3	46.1	43.3	-85.47	-1,968.6	633.0	217.5	160.7	56.81	3.828	
7,250.0	6,721.6	7,250.0	6,638.3	46.0	43.1	-75.09	-1,946.0	637.2	232.0	178.4	53.53	4.333	
7,300.0	6,768.2	7,288.0	6,666.8	45.9	42.8	-67.19	-1,921.3	641.3	246.5	195.9	50.51	4.880	
7,350.0	6,813.5	7,324.7	6,693.1	45.7	42.5	-61.09	-1,895.9	645.1	260.8	212.9	47.84	5.450	
7,400.0	6,857.4	7,361.0	6,717.8	45.5	42.3	-56.23	-1,869.6	648.6	274.7	229.2	45.45	6.043	
7,450.0	6,899.5	7,400.0	6,742.8	45.2	42.0	-52.17	-1,839.9	652.2	288.2	245.0	43.21	6.669	
7,500.0	6,939.8	7,432.5	6,762.5	44.9	41.7	-49.01	-1,814.1	655.0	301.0	259.5	41.44	7.262	
7,550.0	6,978.1	7,467.8	6,782.4	44.6	41.4	-46.30	-1,785.2	657.8	313.2	273.3	39.83	7.863	
7,600.0	7,014.0	7,500.0	6,799.4	44.3	41.1	-44.07	-1,757.9	660.2	324.6	286.0	38.56	8.418	
7,650.0	7,047.6	7,537.5	6,817.6	43.9	40.8	-42.10	-1,725.2	662.7	335.1	297.7	37.45	8.950	
7,700.0	7,078.5	7,572.0	6,832.9	43.6	40.5	-40.47	-1,694.3	664.8	344.9	308.1	36.73	9.389	
7,750.0	7,106.7	7,600.0	6,844.1	43.2	40.3	-39.18	-1,668.8	666.4	353.8	317.3	36.46	9.702	
7,800.0	7,132.0	7,640.6	6,858.7	42.8	39.9	-37.96	-1,631.0	668.4	361.5	325.2	36.33	9.951	
7,850.0	7,154.3	7,674.6	6,869.3	42.4	39.6	-37.01	-1,598.6	669.8	368.4	331.8	36.66	10.049	
7,900.0	7,173.5	7,708.5	6,878.3	42.0	39.3	-36.23	-1,566.0	670.9	374.3	337.0	37.33	10.028	
7,950.0	7,189.5	7,750.0	6,887.2	41.6	39.0	-35.56	-1,525.5	672.1	379.3	341.1	38.23	9.921	
8,000.0	7,202.1	7,776.1	6,891.6	41.1	38.7	-35.13	-1,499.8	672.6	383.1	343.5	39.55	9.687	
8,050.0	7,211.5	7,809.8	6,896.0	40.7	38.5	-34.79	-1,466.4	673.1	385.8	344.8	41.01	9.408	
8,100.0	7,217.4	7,850.0	6,899.1	40.3	38.1	-34.57	-1,426.3	673.3	387.7	345.0	42.64	9.092	
8,150.0	7,219.9	7,877.1	6,899.9	40.0	37.9	-34.50	-1,399.2	673.3	388.3	343.8	44.45	8.735	
8,161.4	7,220.0	7,886.3	6,900.0	39.9	37.9	-34.50	-1,390.0	673.3	388.3	343.4	44.87	8.654	
8,175.1	7,220.0	7,897.7	6,900.0	39.8	37.8	-34.50	-1,378.6	673.2	388.3	343.5	44.82	8.664	
8,200.0	7,220.0	7,922.6	6,900.0	39.6	37.6	-34.50	-1,353.7	673.1	388.3	343.5	44.72	8.681	
8,300.0	7,220.0	8,022.6	6,900.0	38.8	36.8	-34.50	-1,253.7	672.6	388.3	343.9	44.41	8.742	

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 Vista 12-2CHZ
Project:	SEC.2-T4N-R68W	TVD Reference:	WELL @ 5013.0ft (Original Well Elev)
Reference Site:	SRC Vista (N/S) Pad Sec.2-T4N-R68W	MD Reference:	WELL @ 5013.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	SRC Vista 12-2CHZ	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 (11-07-14)	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	
8,400.0	7,220.0	8,122.6	6,900.0	38.2	36.1	-34.49	-1,153.7	672.1	388.3	344.0	44.24	8.776	
8,500.0	7,220.0	8,222.6	6,900.0	37.6	35.6	-34.49	-1,053.7	671.7	388.3	344.1	44.21	8.783	
8,600.0	7,220.0	8,322.6	6,900.0	37.0	35.0	-34.49	-953.7	671.2	388.3	343.9	44.31	8.762	
8,700.0	7,220.0	8,422.6	6,900.0	36.6	34.6	-34.49	-853.7	670.7	388.3	343.7	44.56	8.713	
8,800.0	7,220.0	8,522.6	6,900.0	36.2	34.3	-34.49	-753.7	670.2	388.3	343.3	44.94	8.639	
8,900.0	7,220.0	8,622.6	6,900.0	35.9	34.1	-34.49	-653.7	669.7	388.3	342.8	45.46	8.541	
9,000.0	7,220.0	8,722.6	6,900.0	35.7	34.0	-34.49	-553.7	669.2	388.3	342.2	46.10	8.422	
9,100.0	7,220.0	8,822.6	6,900.0	35.7	34.0	-34.49	-453.7	668.7	388.3	341.4	46.87	8.284	
9,200.0	7,220.0	8,922.6	6,900.0	35.7	34.1	-34.49	-353.7	668.2	388.3	340.5	47.75	8.130	
9,300.0	7,220.0	9,022.6	6,900.0	35.9	34.4	-34.49	-253.7	667.7	388.3	339.5	48.75	7.964	
9,400.0	7,220.0	9,122.6	6,900.0	36.1	34.8	-34.49	-153.7	667.3	388.3	338.4	49.85	7.788	
9,500.0	7,220.0	9,222.6	6,900.0	36.6	35.2	-34.49	-53.7	666.8	388.3	337.2	51.05	7.606	
9,600.0	7,220.0	9,322.6	6,900.0	37.1	35.8	-34.49	46.3	666.3	388.3	335.9	52.34	7.418	
9,700.0	7,220.0	9,422.6	6,900.0	37.7	36.5	-34.49	146.3	665.8	388.3	334.5	53.71	7.229	
9,800.0	7,220.0	9,522.6	6,900.0	38.5	37.3	-34.49	246.3	665.3	388.3	333.1	55.16	7.038	
9,900.0	7,220.0	9,622.6	6,900.0	39.4	38.2	-34.49	346.3	664.8	388.3	331.6	56.68	6.849	
10,000.0	7,220.0	9,722.6	6,900.0	40.3	39.2	-34.49	446.3	664.3	388.3	330.0	58.27	6.663	
10,031.8	7,220.0	9,754.4	6,900.0	40.6	39.5	-34.49	478.0	664.2	388.3	329.5	58.79	6.604	
10,040.9	7,220.0	9,762.0	6,900.0	40.7	39.6	-34.49	485.7	664.1	388.3	329.3	58.93	6.589	
10,100.0	7,220.0	9,816.3	6,900.0	41.2	40.0	-34.48	540.0	663.1	388.2	328.2	60.07	6.463	
10,200.0	7,220.0	9,906.0	6,900.0	42.0	40.7	-34.42	629.5	658.0	387.9	326.1	61.80	6.277	
10,230.4	7,220.0	9,933.3	6,900.0	42.3	40.9	-34.39	656.7	655.6	387.8	325.5	62.32	6.222	
10,255.3	7,220.0	9,956.0	6,900.0	42.6	41.1	-34.38	679.3	653.3	387.7	325.0	62.68	6.186	
10,300.0	7,220.0	10,000.7	6,900.0	43.0	41.6	-34.38	723.7	648.7	387.7	324.3	63.41	6.115	
10,400.0	7,220.0	10,100.7	6,900.0	44.3	42.9	-34.39	823.2	638.2	387.8	322.5	65.23	5.944	
10,500.0	7,220.0	10,200.7	6,900.0	45.7	44.2	-34.39	922.6	627.8	387.8	320.7	67.10	5.779	
10,600.0	7,220.0	10,300.7	6,900.0	47.0	45.6	-34.40	1,022.1	617.3	387.8	318.8	69.02	5.619	
10,700.0	7,220.0	10,400.7	6,900.0	48.5	47.0	-34.41	1,121.5	606.9	387.9	316.9	70.97	5.465	
10,800.0	7,220.0	10,500.7	6,900.0	49.9	48.5	-34.41	1,221.0	596.4	387.9	314.9	72.96	5.317	
10,900.0	7,220.0	10,600.7	6,900.0	51.4	50.0	-34.42	1,320.4	586.0	387.9	312.9	74.98	5.174	
11,000.0	7,220.0	10,700.7	6,900.0	52.9	51.5	-34.42	1,419.9	575.5	387.9	310.9	77.03	5.036	
11,100.0	7,220.0	10,800.7	6,900.0	54.5	53.0	-34.43	1,519.3	565.1	388.0	308.9	79.11	4.904	
11,200.0	7,220.0	10,900.7	6,900.0	56.0	54.6	-34.44	1,618.8	554.6	388.0	306.8	81.22	4.777	
11,300.0	7,220.0	11,000.7	6,900.0	57.6	56.2	-34.44	1,718.2	544.2	388.0	304.7	83.35	4.656	
11,400.0	7,220.0	11,100.7	6,900.0	59.2	57.8	-34.45	1,817.7	533.7	388.1	302.6	85.50	4.539	
11,500.0	7,220.0	11,200.7	6,900.0	60.9	59.5	-34.46	1,917.1	523.3	388.1	300.4	87.67	4.426	
11,600.0	7,220.0	11,300.7	6,900.0	62.5	61.1	-34.46	2,016.6	512.8	388.1	298.3	89.87	4.319	
11,700.0	7,220.0	11,400.7	6,900.0	64.2	62.8	-34.47	2,116.0	502.4	388.1	296.1	92.08	4.215	
11,800.0	7,220.0	11,500.7	6,900.0	65.9	64.5	-34.48	2,215.5	491.9	388.2	293.9	94.31	4.116	
11,900.0	7,220.0	11,600.7	6,900.0	67.6	66.2	-34.48	2,315.0	481.5	388.2	291.7	96.55	4.021	
11,914.9	7,220.0	11,615.5	6,900.0	67.8	66.5	-34.48	2,329.8	479.9	388.2	291.3	96.89	4.007	

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 Vista 12-2CHZ
Project:	SEC.2-T4N-R68W	TVD Reference:	WELL @ 5013.0ft (Original Well Elev)
Reference Site:	SRC Vista (N/S) Pad Sec.2-T4N-R68W	MD Reference:	WELL @ 5013.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	SRC Vista 12-2CHZ	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 (11-07-14)	Offset TVD Reference:	Offset Datum

Offset Design SRC Vista (N/S) Pad Sec.2-T4N-R68W - SRC Vista 21-2CHZ - Wellbore #1 - Plan #1 (11-10-14)												Offset Site Error:	0.0 ft
Survey Program: 0-MWMD												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	4,779.5	4,958.5	4,597.7	29.6	35.2	-58.29	-1,390.8	994.5	559.0	506.3	52.70	10.607	
5,200.0	4,868.0	5,057.5	4,686.5	30.5	36.1	-59.38	-1,425.7	1,021.0	568.3	513.5	54.79	10.373	
5,300.0	4,956.4	5,156.5	4,775.2	31.4	37.0	-60.44	-1,460.7	1,047.5	577.8	520.9	56.88	10.158	
5,400.0	5,044.9	5,255.5	4,864.0	32.4	37.9	-61.46	-1,495.6	1,074.0	587.4	528.5	58.97	9.961	
5,500.0	5,133.4	5,354.4	4,952.7	33.3	38.8	-62.45	-1,530.6	1,100.5	597.3	536.2	61.07	9.780	
5,600.0	5,221.8	5,453.4	5,041.4	34.3	39.8	-63.41	-1,565.5	1,127.0	607.3	544.1	63.17	9.614	
5,700.0	5,310.3	5,552.4	5,130.2	35.2	40.7	-64.33	-1,600.5	1,153.5	617.5	552.2	65.27	9.461	
5,800.0	5,398.7	5,651.4	5,218.9	36.1	41.6	-65.23	-1,635.4	1,180.0	627.8	560.4	67.36	9.320	
5,900.0	5,487.2	5,750.4	5,307.7	37.1	42.5	-66.09	-1,670.3	1,206.5	638.3	568.8	69.46	9.189	
6,000.0	5,575.6	5,849.4	5,396.4	38.0	43.5	-66.93	-1,705.3	1,233.1	648.9	577.3	71.55	9.069	
6,100.0	5,664.1	5,948.4	5,485.2	39.0	44.4	-67.75	-1,740.2	1,259.6	659.6	586.0	73.64	8.958	
6,200.0	5,752.6	6,047.4	5,573.9	39.9	45.3	-68.53	-1,775.2	1,286.1	670.5	594.8	75.73	8.854	
6,300.0	5,841.0	6,146.4	5,662.6	40.8	46.2	-69.29	-1,810.1	1,312.6	681.5	603.7	77.81	8.759	
6,400.0	5,929.5	6,245.3	5,751.4	41.8	47.2	-70.03	-1,845.1	1,339.1	692.7	612.8	79.89	8.670	
6,500.0	6,017.9	6,344.3	5,840.1	42.7	48.1	-70.74	-1,880.0	1,365.6	703.9	621.9	81.97	8.587	
6,600.0	6,106.4	6,443.3	5,928.9	43.7	49.0	-71.43	-1,914.9	1,392.1	715.2	631.2	84.04	8.511	
6,709.8	6,203.6	6,552.0	6,026.3	44.7	50.0	-72.17	-1,953.3	1,421.2	727.8	641.5	86.31	8.433	
6,750.0	6,239.6	6,591.9	6,062.0	45.0	50.4	-70.19	-1,967.4	1,431.9	732.3	645.1	87.25	8.394	
6,800.0	6,285.6	6,641.6	6,106.6	45.3	50.9	-66.46	-1,984.9	1,445.2	737.8	649.6	88.17	8.368	
6,850.0	6,332.7	6,691.1	6,151.0	45.6	51.3	-60.75	-2,002.4	1,458.5	742.9	654.1	88.87	8.360	
6,900.0	6,380.7	6,740.4	6,195.1	45.8	51.8	-52.08	-2,019.8	1,471.6	747.9	658.5	89.36	8.369	
6,950.0	6,429.4	6,789.0	6,238.7	45.9	52.3	-38.92	-2,037.0	1,484.7	752.6	663.0	89.64	8.396	
7,000.0	6,478.4	6,836.7	6,281.6	46.1	52.7	-19.85	-2,053.8	1,497.4	757.3	667.6	89.73	8.440	
7,050.0	6,527.7	6,881.6	6,322.1	46.1	53.0	3.44	-2,068.9	1,509.5	762.2	672.6	89.61	8.506	
7,100.0	6,576.9	6,926.7	6,363.6	46.2	53.3	25.00	-2,081.3	1,521.9	767.4	678.0	89.39	8.585	
7,150.0	6,625.8	6,972.7	6,406.6	46.2	53.6	40.96	-2,091.2	1,534.7	772.9	683.8	89.09	8.676	
7,200.0	6,674.1	7,019.6	6,451.1	46.1	53.8	51.91	-2,098.3	1,548.0	778.7	690.0	88.72	8.777	
7,250.0	6,721.6	7,067.7	6,497.0	46.0	54.0	59.54	-2,102.4	1,561.6	784.8	696.5	88.27	8.890	
7,300.0	6,768.2	7,117.0	6,544.2	45.9	54.2	65.07	-2,103.2	1,575.6	791.1	703.4	87.77	9.014	
7,350.0	6,813.5	7,167.5	6,592.6	45.7	54.3	69.28	-2,100.6	1,590.0	797.7	710.5	87.21	9.147	
7,400.0	6,857.4	7,219.5	6,642.0	45.5	54.4	72.61	-2,094.2	1,604.6	804.4	717.8	86.59	9.290	
7,450.0	6,899.5	7,272.9	6,692.3	45.2	54.4	75.34	-2,083.7	1,619.5	811.3	725.4	85.93	9.441	
7,500.0	6,939.8	7,328.0	6,743.1	44.9	54.4	77.62	-2,068.8	1,634.5	818.2	733.0	85.22	9.601	
7,550.0	6,978.1	7,384.8	6,794.3	44.6	54.3	79.58	-2,049.2	1,649.6	825.1	740.7	84.49	9.767	
7,600.0	7,014.0	7,443.5	6,845.4	44.3	54.2	81.29	-2,024.7	1,664.7	832.0	748.3	83.72	9.938	
7,650.0	7,047.6	7,504.1	6,895.9	43.9	54.1	82.79	-1,994.8	1,679.5	838.8	755.8	82.93	10.114	
7,700.0	7,078.5	7,566.7	6,945.4	43.6	53.8	84.12	-1,959.4	1,694.0	845.3	763.2	82.14	10.291	
7,750.0	7,106.7	7,631.3	6,993.2	43.2	53.6	85.30	-1,918.3	1,708.0	851.5	770.2	81.34	10.469	
7,800.0	7,132.0	7,698.0	7,038.7	42.8	53.3	86.34	-1,871.3	1,721.3	857.3	776.8	80.55	10.643	
7,850.0	7,154.3	7,766.7	7,080.9	42.4	52.9	87.26	-1,818.6	1,733.6	862.6	782.8	79.79	10.812	
7,900.0	7,173.5	7,837.3	7,119.0	42.0	52.5	88.05	-1,760.2	1,744.6	867.4	788.3	79.06	10.971	
7,950.0	7,189.5	7,909.7	7,152.2	41.6	52.0	88.71	-1,696.6	1,754.1	871.4	793.1	78.38	11.118	
8,000.0	7,202.1	7,983.7	7,179.6	41.1	51.5	89.24	-1,628.3	1,761.9	874.7	797.0	77.76	11.249	
8,050.0	7,211.5	8,059.0	7,200.4	40.7	51.0	89.63	-1,556.3	1,767.8	877.2	800.0	77.22	11.361	
8,100.0	7,217.4	8,135.1	7,213.9	40.3	50.5	89.88	-1,481.4	1,771.4	878.9	802.1	76.75	11.451	
8,150.0	7,219.9	8,211.9	7,219.8	40.0	50.0	89.99	-1,405.0	1,772.8	879.6	803.2	76.36	11.519	
8,161.4	7,220.0	8,229.5	7,220.0	39.9	49.9	90.00	-1,387.4	1,772.8	879.6	803.3	76.28	11.531	
8,200.0	7,220.0	8,268.4	7,220.0	39.6	49.6	90.00	-1,348.4	1,772.6	879.6	803.8	75.79	11.606	
8,300.0	7,220.0	8,368.4	7,220.0	38.8	49.0	90.00	-1,248.4	1,772.1	879.6	805.0	74.56	11.797	
8,400.0	7,220.0	8,468.4	7,220.0	38.2	48.3	90.00	-1,148.4	1,771.6	879.6	806.1	73.49	11.969	
8,500.0	7,220.0	8,568.4	7,220.0	37.6	47.7	90.00	-1,048.4	1,771.2	879.6	807.0	72.61	12.114	
8,600.0	7,220.0	8,668.4	7,220.0	37.0	47.1	90.00	-948.4	1,770.7	879.6	807.7	71.92	12.230	

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 Vista 12-2CHZ
Project:	SEC.2-T4N-R68W	TVD Reference:	WELL @ 5013.0ft (Original Well Elev)
Reference Site:	SRC Vista (N/S) Pad Sec.2-T4N-R68W	MD Reference:	WELL @ 5013.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	SRC Vista 12-2CHZ	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 (11-07-14)	Offset TVD Reference:	Offset Datum

Offset Design												Offset Site Error:	0.0 ft
SRC Vista (N/S) Pad Sec.2-T4N-R68W - SRC Vista 21-2CHZ - Wellbore #1 - Plan #1 (11-10-14)												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
8,700.0	7,220.0	8,768.4	7,220.0	36.6	46.5	90.00	-848.4	1,770.2	879.6	808.2	71.44	12.313	
8,800.0	7,220.0	8,868.4	7,220.0	36.2	46.0	90.00	-748.4	1,769.7	879.7	808.5	71.16	12.362	
8,900.0	7,220.0	8,968.4	7,220.0	35.9	45.5	90.00	-648.4	1,769.2	879.7	808.6	71.08	12.375	
9,000.0	7,220.0	9,068.4	7,220.0	35.7	45.0	90.00	-548.4	1,768.8	879.7	808.5	71.22	12.352	
9,100.0	7,220.0	9,168.4	7,220.0	35.7	44.5	90.00	-448.4	1,768.3	879.7	808.1	71.56	12.293	
9,200.0	7,220.0	9,268.4	7,220.0	35.7	44.1	90.00	-348.4	1,767.8	879.7	807.6	72.10	12.200	
9,300.0	7,220.0	9,368.4	7,220.0	35.9	43.7	90.00	-248.4	1,767.3	879.7	806.9	72.85	12.076	
9,400.0	7,220.0	9,468.4	7,220.0	36.1	43.4	90.00	-148.4	1,766.8	879.7	805.9	73.79	11.923	
9,500.0	7,220.0	9,568.4	7,220.0	36.6	43.1	90.00	-48.4	1,766.3	879.7	804.8	74.91	11.744	
9,600.0	7,220.0	9,668.4	7,220.0	37.1	42.8	90.00	51.6	1,765.9	879.7	803.5	76.21	11.544	
9,700.0	7,220.0	9,768.4	7,220.0	37.7	42.7	90.00	151.6	1,765.4	879.7	802.1	77.68	11.325	
9,800.0	7,220.0	9,868.4	7,220.0	38.5	42.6	90.00	251.6	1,764.9	879.7	800.4	79.31	11.093	
9,900.0	7,220.0	9,968.4	7,220.0	39.4	42.7	90.00	351.6	1,764.4	879.8	798.7	81.09	10.850	
10,000.0	7,220.0	10,068.4	7,220.0	40.3	43.1	90.00	451.6	1,763.9	879.8	796.8	83.00	10.599	
10,040.9	7,220.0	10,109.3	7,220.0	40.7	43.4	90.00	492.4	1,763.7	879.8	796.0	83.82	10.496	
10,100.0	7,220.0	10,213.8	7,220.0	41.2	44.1	90.00	596.9	1,760.7	879.3	794.0	85.32	10.306	
10,200.0	7,220.0	10,353.9	7,220.0	42.0	45.5	90.00	736.4	1,748.4	876.4	789.1	87.26	10.044	
10,226.4	7,220.0	10,380.2	7,220.0	42.3	45.8	90.00	762.6	1,745.7	876.2	788.5	87.68	9.994	
10,230.4	7,220.0	10,384.3	7,220.0	42.3	45.8	90.00	766.6	1,745.3	876.2	788.5	87.74	9.987	
10,300.0	7,220.0	10,453.9	7,220.0	43.0	46.7	90.00	835.9	1,738.2	876.4	787.1	89.23	9.821	
10,400.0	7,220.0	10,553.9	7,220.0	44.3	48.0	90.00	935.3	1,728.1	876.6	784.9	91.67	9.562	
10,500.0	7,220.0	10,653.9	7,220.0	45.7	49.4	90.00	1,034.8	1,717.9	876.8	782.6	94.22	9.306	
10,600.0	7,220.0	10,753.9	7,220.0	47.0	50.9	90.00	1,134.3	1,707.7	877.0	780.2	96.85	9.055	
10,700.0	7,220.0	10,853.9	7,220.0	48.5	52.4	90.00	1,233.8	1,697.5	877.2	777.6	99.58	8.810	
10,800.0	7,220.0	10,953.9	7,220.0	49.9	53.9	90.00	1,333.3	1,687.3	877.4	775.1	102.38	8.571	
10,900.0	7,220.0	11,053.9	7,220.0	51.4	55.4	90.00	1,432.7	1,677.1	877.7	772.4	105.25	8.339	
11,000.0	7,220.0	11,153.9	7,220.0	52.9	56.9	90.00	1,532.2	1,666.9	877.9	769.7	108.19	8.114	
11,100.0	7,220.0	11,253.9	7,220.0	54.5	58.5	90.00	1,631.7	1,656.8	878.1	766.9	111.20	7.897	
11,200.0	7,220.0	11,353.9	7,220.0	56.0	60.1	90.00	1,731.2	1,646.6	878.3	764.0	114.26	7.687	
11,300.0	7,220.0	11,453.9	7,220.0	57.6	61.7	90.00	1,830.7	1,636.4	878.5	761.1	117.37	7.485	
11,400.0	7,220.0	11,553.9	7,220.0	59.2	63.3	90.00	1,930.1	1,626.2	878.7	758.2	120.53	7.291	
11,500.0	7,220.0	11,653.9	7,220.0	60.9	65.0	90.00	2,029.6	1,616.0	878.9	755.2	123.73	7.104	
11,600.0	7,220.0	11,753.9	7,220.0	62.5	66.6	90.00	2,129.1	1,605.8	879.1	752.2	126.98	6.924	
11,700.0	7,220.0	11,853.9	7,220.0	64.2	68.3	90.00	2,228.6	1,595.6	879.4	749.1	130.26	6.751	
11,800.0	7,220.0	11,953.9	7,220.0	65.9	70.0	90.00	2,328.1	1,585.5	879.6	746.0	133.58	6.585	
11,900.0	7,220.0	11,975.8	7,220.0	67.6	70.3	90.00	2,349.8	1,583.2	883.2	747.6	135.63	6.512	
11,914.9	7,220.0	11,975.8	7,220.0	67.8	70.3	90.00	2,349.8	1,583.2	884.7	748.8	135.88	6.511 SF	

Company:	Synergy Resources	Local Co-ordinate Reference:	Well SRC Vista 12-2CHZ
Project:	SEC.2-T4N-R68W	TVD Reference:	WELL @ 5013.0ft (Original Well Elev)
Reference Site:	SRC Vista (N/S) Pad Sec.2-T4N-R68W	MD Reference:	WELL @ 5013.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	SRC Vista 12-2CHZ	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 (11-07-14)	Offset TVD Reference:	Offset Datum

Offset Design SRC Vista (N/S) Pad Sec.2-T4N-R68W - SRC Vista 21-2NHZ - Wellbore #1 - Plan #1 (11-10-14)													Offset Site Error:	0.0 ft
Survey Program: 0-MWD													Offset Well Error:	0.0 ft
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Semi Major Axis 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	-60.1	0.0	60.1					
100.0	100.0	100.0	100.0	0.1	0.1	180.00	-60.1	0.0	60.1	59.9	0.22	267.456		
200.0	200.0	200.0	200.0	0.3	0.3	180.00	-60.1	0.0	60.1	59.4	0.67	89.152		
300.0	300.0	300.0	300.0	0.6	0.6	180.00	-60.1	0.0	60.1	59.0	1.12	53.491		
400.0	400.0	400.0	400.0	0.8	0.8	180.00	-60.1	0.0	60.1	58.5	1.57	38.208		
500.0	500.0	500.0	500.0	1.0	1.0	180.00	-60.1	0.0	60.1	58.1	2.02	29.717		
600.0	600.0	600.0	600.0	1.2	1.2	180.00	-60.1	0.0	60.1	57.6	2.47	24.314		
700.0	700.0	700.0	700.0	1.5	1.5	180.00	-60.1	0.0	60.1	57.2	2.92	20.574		
800.0	800.0	800.0	800.0	1.7	1.7	180.00	-60.1	0.0	60.1	56.7	3.37	17.830 CC, ES		
900.0	900.0	898.2	898.2	1.9	1.9	179.15	-61.5	0.9	61.6	57.8	3.79	16.233		
1,000.0	1,000.0	996.2	996.1	2.1	2.1	176.83	-65.8	3.6	66.0	61.8	4.20	15.711		
1,100.0	1,100.0	1,093.8	1,093.3	2.4	2.3	173.60	-72.8	8.2	73.5	68.9	4.62	15.914		
1,200.0	1,200.0	1,190.6	1,189.4	2.6	2.5	170.09	-82.5	14.4	84.4	79.3	5.06	16.690		
1,300.0	1,300.0	1,286.6	1,284.3	2.8	2.7	166.73	-94.8	22.3	98.6	93.1	5.51	17.915		
1,400.0	1,400.0	1,381.5	1,377.5	3.0	3.0	163.78	-109.5	31.9	116.3	110.3	5.97	19.486		
1,500.0	1,500.0	1,475.4	1,469.2	3.2	3.4	0.76	-126.7	43.0	135.6	129.3	6.33	21.423		
1,600.0	1,599.8	1,568.8	1,559.6	3.4	3.8	-1.35	-146.3	55.6	154.8	148.1	6.72	23.050		
1,700.0	1,699.5	1,661.6	1,648.6	3.6	4.2	-3.22	-168.2	69.7	174.0	166.8	7.11	24.457		
1,800.0	1,798.7	1,753.7	1,736.2	3.8	4.7	-4.91	-192.3	85.3	193.0	185.5	7.52	25.669		
1,900.0	1,897.5	1,845.3	1,822.3	4.0	5.3	-6.47	-218.6	102.2	211.9	203.9	7.93	26.725		
2,000.0	1,995.6	1,936.4	1,906.8	4.3	5.9	-7.93	-247.1	120.6	230.6	222.3	8.35	27.608		
2,100.0	2,093.1	2,026.8	1,989.7	4.6	6.6	-9.31	-277.5	140.2	249.2	240.4	8.79	28.345		
2,200.0	2,189.6	2,116.8	2,070.9	5.0	7.3	-10.62	-310.0	161.1	267.7	258.5	9.25	28.937		
2,300.0	2,285.3	2,206.3	2,150.5	5.4	8.1	-11.89	-344.4	183.3	286.1	276.4	9.74	29.389		
2,400.0	2,379.8	2,304.6	2,237.2	5.9	9.0	-13.26	-383.3	208.4	302.8	292.5	10.28	29.455		
2,500.0	2,473.2	2,403.4	2,324.3	6.5	9.9	-14.64	-422.4	233.7	316.3	305.5	10.86	29.119		
2,600.0	2,565.2	2,502.5	2,411.7	7.1	10.8	-16.08	-461.7	259.0	326.7	315.2	11.50	28.413		
2,700.0	2,655.8	2,601.8	2,499.3	7.8	11.8	-17.62	-501.0	284.3	334.0	321.8	12.20	27.377		
2,789.9	2,736.0	2,691.2	2,578.2	8.5	12.6	-19.12	-536.4	307.1	337.9	325.0	12.90	26.192		
2,800.0	2,744.9	2,701.2	2,587.0	8.6	12.7	-19.30	-540.4	309.7	338.2	325.2	12.99	26.031		
2,900.0	2,833.4	2,800.6	2,674.7	9.5	13.7	-21.04	-579.7	335.1	341.4	327.5	13.94	24.486		
3,000.0	2,921.9	2,900.0	2,762.4	10.3	14.6	-22.75	-619.1	360.5	345.0	330.0	14.97	23.041		
3,100.0	3,010.3	2,999.4	2,850.1	11.2	15.6	-24.43	-658.4	385.9	348.8	332.7	16.08	21.697		
3,200.0	3,098.8	3,098.8	2,937.7	12.1	16.6	-26.06	-697.8	411.2	352.9	335.7	17.25	20.454		
3,300.0	3,187.2	3,198.2	3,025.4	12.9	17.5	-27.66	-737.2	436.6	357.3	338.8	18.51	19.309		
3,400.0	3,275.7	3,297.6	3,113.1	13.8	18.5	-29.22	-776.5	462.0	362.0	342.2	19.83	18.258		
3,500.0	3,364.2	3,397.0	3,200.8	14.7	19.5	-30.74	-815.9	487.4	367.0	345.7	21.22	17.297		
3,600.0	3,452.6	3,496.4	3,288.5	15.6	20.4	-32.22	-855.2	512.8	372.2	349.5	22.67	16.420		
3,700.0	3,541.1	3,595.8	3,376.1	16.6	21.4	-33.65	-894.6	538.2	377.6	353.4	24.17	15.621		
3,800.0	3,629.5	3,695.2	3,463.8	17.5	22.4	-35.05	-934.0	563.5	383.3	357.5	25.74	14.893		
3,900.0	3,718.0	3,794.6	3,551.5	18.4	23.3	-36.40	-973.3	588.9	389.2	361.8	27.35	14.231		
4,000.0	3,806.5	3,894.1	3,639.2	19.3	24.3	-37.71	-1,012.7	614.3	395.3	366.3	29.00	13.629		
4,100.0	3,894.9	3,993.5	3,726.9	20.2	25.3	-38.98	-1,052.0	639.7	401.6	370.9	30.70	13.080		
4,200.0	3,983.4	4,092.9	3,814.6	21.2	26.3	-40.22	-1,091.4	665.1	408.1	375.7	32.44	12.580		
4,300.0	4,071.8	4,192.3	3,902.2	22.1	27.2	-41.41	-1,130.8	690.4	414.8	380.6	34.21	12.125		
4,400.0	4,160.3	4,291.7	3,989.9	23.0	28.2	-42.56	-1,170.1	715.8	421.6	385.6	36.01	11.708		
4,500.0	4,248.8	4,391.1	4,077.6	24.0	29.2	-43.68	-1,209.5	741.2	428.7	390.8	37.84	11.328		
4,600.0	4,337.2	4,490.5	4,165.3	24.9	30.2	-44.77	-1,248.8	766.6	435.8	396.2	39.70	10.980		
4,700.0	4,425.7	4,589.9	4,253.0	25.8	31.2	-45.81	-1,288.2	792.0	443.2	401.6	41.57	10.661		
4,800.0	4,514.1	4,689.3	4,340.6	26.8	32.1	-46.82	-1,327.6	817.4	450.7	407.2	43.47	10.368		
4,900.0	4,602.6	4,788.7	4,428.3	27.7	33.1	-47.80	-1,366.9	842.7	458.3	412.9	45.38	10.098		
5,000.0	4,691.1	4,888.1	4,516.0	28.6	34.1	-48.75	-1,406.3	868.1	466.0	418.7	47.31	9.850		

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 Vista 12-2CHZ
Project:	SEC.2-T4N-R68W	TVD Reference:	WELL @ 5013.0ft (Original Well Elev)
Reference Site:	SRC Vista (N/S) Pad Sec.2-T4N-R68W	MD Reference:	WELL @ 5013.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	SRC Vista 12-2CHZ	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 (11-07-14)	Offset TVD Reference:	Offset Datum

Offset Design												Offset Site Error:	0.0 ft
Survey Program: 0-MWDD												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	4,779.5	4,987.5	4,603.7	29.6	35.1	-49.67	-1,445.6	893.5	473.9	424.6	49.26	9.621	
5,200.0	4,868.0	5,086.9	4,691.4	30.5	36.0	-50.55	-1,485.0	918.9	481.9	430.7	51.21	9.409	
5,300.0	4,956.4	5,186.3	4,779.1	31.4	37.0	-51.41	-1,524.3	944.3	490.0	436.8	53.18	9.214	
5,400.0	5,044.9	5,285.7	4,866.7	32.4	38.0	-52.24	-1,563.7	969.7	498.2	443.0	55.16	9.032	
5,500.0	5,133.4	5,385.1	4,954.4	33.3	39.0	-53.04	-1,603.1	995.0	506.5	449.3	57.14	8.864	
5,600.0	5,221.8	5,484.6	5,042.1	34.3	40.0	-53.82	-1,642.4	1,020.4	514.9	455.7	59.13	8.707	
5,700.0	5,310.3	5,584.0	5,129.8	35.2	40.9	-54.57	-1,681.8	1,045.8	523.4	462.2	61.13	8.562	
5,800.0	5,398.7	5,683.4	5,217.5	36.1	41.9	-55.30	-1,721.1	1,071.2	531.9	468.8	63.13	8.426	
5,900.0	5,487.2	5,782.8	5,305.2	37.1	42.9	-56.01	-1,760.5	1,096.6	540.6	475.5	65.14	8.299	
6,000.0	5,575.6	5,882.2	5,392.8	38.0	43.9	-56.69	-1,799.9	1,122.0	549.3	482.2	67.15	8.181	
6,100.0	5,664.1	5,981.6	5,480.5	39.0	44.9	-57.35	-1,839.2	1,147.3	558.2	489.0	69.17	8.070	
6,200.0	5,752.6	6,081.0	5,568.2	39.9	45.8	-57.99	-1,878.6	1,172.7	567.0	495.9	71.18	7.966	
6,300.0	5,841.0	6,180.4	5,655.9	40.8	46.8	-58.61	-1,917.9	1,198.1	576.0	502.8	73.20	7.868	
6,400.0	5,929.5	6,279.8	5,743.6	41.8	47.8	-59.21	-1,957.3	1,223.5	585.0	509.8	75.22	7.777	
6,500.0	6,017.9	6,379.2	5,831.2	42.7	48.8	-59.80	-1,996.7	1,248.9	594.1	516.9	77.25	7.691	
6,600.0	6,106.4	6,478.6	5,918.9	43.7	49.8	-60.36	-2,036.0	1,274.3	603.2	524.0	79.27	7.610	
6,709.8	6,203.6	6,594.0	6,022.8	44.7	50.7	-61.56	-2,076.0	1,304.3	612.9	531.1	81.76	7.496	
6,750.0	6,239.6	6,635.7	6,061.7	45.0	50.9	-60.05	-2,086.2	1,315.5	616.3	533.4	82.90	7.434	
6,800.0	6,285.6	6,687.1	6,110.2	45.3	51.2	-57.17	-2,095.6	1,329.5	620.9	536.7	84.20	7.374	
6,850.0	6,332.7	6,737.7	6,158.5	45.6	51.4	-52.61	-2,101.2	1,343.4	625.7	540.3	85.40	7.327	
6,900.0	6,380.7	6,787.7	6,206.5	45.8	51.5	-45.35	-2,103.2	1,357.2	630.7	544.2	86.49	7.292	
6,950.0	6,429.4	6,837.0	6,253.8	45.9	51.6	-33.85	-2,101.8	1,370.8	635.9	548.5	87.45	7.272	
7,000.0	6,478.4	6,885.7	6,300.4	46.1	51.7	-16.65	-2,097.1	1,384.2	641.3	553.1	88.28	7.265	
7,050.0	6,527.7	6,933.8	6,346.1	46.1	51.7	4.72	-2,089.3	1,397.3	646.9	557.9	88.95	7.272	
7,100.0	6,576.9	6,981.4	6,390.6	46.2	51.7	24.38	-2,078.4	1,410.0	652.5	563.1	89.47	7.293	
7,150.0	6,625.8	7,028.5	6,433.9	46.2	51.7	38.48	-2,064.6	1,422.4	658.3	568.4	89.82	7.329	
7,200.0	6,674.1	7,075.1	6,475.8	46.1	51.6	47.60	-2,048.1	1,434.3	664.0	574.0	90.00	7.378	
7,250.0	6,721.6	7,121.3	6,516.2	46.0	51.5	53.43	-2,028.9	1,445.8	669.8	579.8	90.01	7.441	
7,300.0	6,768.2	7,167.0	6,555.0	45.9	51.4	57.21	-2,007.3	1,456.9	675.5	585.6	89.85	7.518	
7,350.0	6,813.5	7,212.4	6,592.0	45.7	51.2	59.72	-1,983.4	1,467.4	681.1	591.5	89.51	7.608	
7,400.0	6,857.4	7,257.4	6,627.3	45.5	51.0	61.40	-1,957.4	1,477.4	686.5	597.5	89.02	7.712	
7,450.0	6,899.5	7,300.0	6,659.2	45.2	50.8	62.55	-1,930.6	1,486.5	691.9	603.5	88.38	7.828	
7,500.0	6,939.8	7,346.4	6,692.1	44.9	50.6	63.28	-1,899.3	1,495.8	697.0	609.4	87.58	7.959	
7,550.0	6,978.1	7,390.5	6,721.5	44.6	50.4	63.77	-1,867.5	1,504.1	701.9	615.2	86.65	8.100	
7,600.0	7,014.0	7,434.3	6,748.9	44.3	50.1	64.07	-1,834.1	1,511.8	706.5	620.9	85.62	8.252	
7,650.0	7,047.6	7,478.0	6,774.1	43.9	49.8	64.25	-1,799.2	1,518.9	710.9	626.4	84.48	8.414	
7,700.0	7,078.5	7,521.4	6,797.1	43.6	49.6	64.34	-1,763.0	1,525.3	714.9	631.6	83.28	8.584	
7,750.0	7,106.7	7,564.6	6,817.9	43.2	49.3	64.36	-1,725.5	1,531.1	718.6	636.5	82.01	8.762	
7,800.0	7,132.0	7,607.7	6,836.4	42.8	49.0	64.35	-1,686.9	1,536.2	721.9	641.2	80.71	8.944	
7,850.0	7,154.3	7,650.0	6,852.3	42.4	48.7	64.32	-1,648.0	1,540.6	724.8	645.4	79.40	9.128	
7,900.0	7,173.5	7,693.5	6,866.4	42.0	48.4	64.27	-1,607.1	1,544.5	727.3	649.2	78.09	9.314	
7,950.0	7,189.5	7,736.2	6,877.9	41.6	48.1	64.23	-1,566.0	1,547.6	729.4	652.6	76.81	9.496	
8,000.0	7,202.1	7,778.9	6,887.0	41.1	47.8	64.18	-1,524.4	1,550.0	731.1	655.5	75.58	9.674	
8,050.0	7,211.5	7,821.5	6,893.8	40.7	47.5	64.15	-1,482.4	1,551.8	732.3	657.9	74.40	9.842	
8,100.0	7,217.4	7,864.1	6,898.0	40.3	47.2	64.13	-1,440.0	1,552.8	733.1	659.8	73.31	10.000	
8,150.0	7,219.9	7,906.6	6,899.9	40.0	46.9	64.13	-1,397.5	1,553.1	733.4	661.1	72.30	10.143	
8,161.4	7,220.0	7,916.4	6,900.0	39.9	46.8	64.13	-1,387.8	1,553.1	733.4	661.3	72.09	10.174	
8,163.3	7,220.0	7,918.1	6,900.0	39.9	46.8	64.13	-1,386.1	1,553.1	733.4	661.3	72.07	10.176	
8,200.0	7,220.0	7,954.7	6,900.0	39.6	46.5	64.13	-1,349.5	1,552.9	733.4	661.7	71.75	10.221	
8,300.0	7,220.0	8,054.7	6,900.0	38.8	45.8	64.13	-1,249.5	1,552.5	733.4	662.5	70.93	10.340	
8,400.0	7,220.0	8,154.7	6,900.0	38.2	45.2	64.13	-1,149.5	1,552.0	733.4	663.2	70.26	10.440	
8,500.0	7,220.0	8,254.7	6,900.0	37.6	44.5	64.13	-1,049.5	1,551.5	733.5	663.7	69.75	10.516	

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

Offset Design SRC Vista (N/S) Pad Sec.2-T4N-R68W - SRC Vista 21-2NHZ - Wellbore #1 - Plan #1 (11-10-14)													Offset Site Error:	0.0 ft
Survey Program: 0-MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance							
Measured Depth	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset	Highside Toolface	Offset Wellbore Centre		Between Centres	Between Ellipses	Minimum Separation	Separation Factor	Warning	
(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(°)	+N/-S (ft)	+E/-W (ft)	(ft)	(ft)	(ft)			
8,600.0	7,220.0	8,354.7	6,900.0	37.0	43.9	64.13	-949.5	1,551.0	733.5	664.1	69.42	10.566		
8,700.0	7,220.0	8,454.7	6,900.0	36.6	43.3	64.13	-849.5	1,550.6	733.5	664.2	69.26	10.590		
8,800.0	7,220.0	8,554.7	6,900.0	36.2	42.8	64.13	-749.5	1,550.1	733.5	664.2	69.29	10.586		
8,900.0	7,220.0	8,654.7	6,900.0	35.9	42.3	64.14	-649.5	1,549.6	733.5	664.0	69.49	10.555		
9,000.0	7,220.0	8,754.7	6,900.0	35.7	41.9	64.14	-549.5	1,549.1	733.5	663.7	69.87	10.498		
9,100.0	7,220.0	8,854.7	6,900.0	35.7	41.5	64.14	-449.5	1,548.7	733.6	663.1	70.43	10.416		
9,200.0	7,220.0	8,954.7	6,900.0	35.7	41.1	64.14	-349.5	1,548.2	733.6	662.4	71.15	10.310		
9,300.0	7,220.0	9,054.7	6,900.0	35.9	40.9	64.14	-249.5	1,547.7	733.6	661.5	72.04	10.183		
9,400.0	7,220.0	9,154.7	6,900.0	36.1	40.6	64.14	-149.5	1,547.2	733.6	660.5	73.09	10.037		
9,500.0	7,220.0	9,254.7	6,900.0	36.6	40.5	64.14	-49.5	1,546.8	733.6	659.3	74.29	9.875		
9,600.0	7,220.0	9,354.7	6,900.0	37.1	40.5	64.14	50.5	1,546.3	733.6	658.0	75.63	9.700		
9,700.0	7,220.0	9,454.7	6,900.0	37.7	40.6	64.14	150.5	1,545.8	733.6	656.5	77.11	9.514		
9,800.0	7,220.0	9,554.7	6,900.0	38.5	41.0	64.14	250.5	1,545.4	733.7	654.9	78.73	9.319		
9,900.0	7,220.0	9,654.7	6,900.0	39.4	41.5	64.14	350.5	1,544.9	733.7	653.2	80.46	9.118		
10,000.0	7,220.0	9,754.7	6,900.0	40.3	42.2	64.14	450.5	1,544.4	733.7	651.4	82.31	8.914		
10,040.9	7,220.0	9,795.5	6,900.0	40.7	42.5	64.14	491.3	1,544.2	733.7	650.6	83.09	8.830		
10,100.0	7,220.0	9,883.4	6,900.0	41.2	43.3	64.13	579.2	1,542.0	733.5	649.3	84.19	8.712		
10,200.0	7,220.0	10,019.4	6,900.0	42.0	44.6	64.05	714.7	1,530.8	731.5	645.8	85.67	8.538		
10,228.0	7,220.0	10,047.4	6,900.0	42.3	44.9	64.05	742.6	1,528.0	731.3	645.2	86.04	8.499		
10,230.4	7,220.0	10,049.8	6,900.0	42.3	45.0	64.05	744.9	1,527.7	731.3	645.2	86.08	8.496		
10,300.0	7,220.0	10,119.4	6,900.0	43.0	45.9	64.05	814.1	1,520.6	731.4	643.9	87.49	8.359		
10,400.0	7,220.0	10,219.4	6,900.0	44.3	47.2	64.06	913.6	1,510.3	731.5	641.7	89.78	8.148		
10,500.0	7,220.0	10,319.4	6,900.0	45.7	48.6	64.06	1,013.1	1,500.0	731.6	639.4	92.14	7.940		
10,600.0	7,220.0	10,419.4	6,900.0	47.0	50.0	64.07	1,112.6	1,489.8	731.7	637.1	94.59	7.736		
10,700.0	7,220.0	10,519.4	6,900.0	48.5	51.5	64.07	1,212.0	1,479.5	731.8	634.7	97.10	7.536		
10,800.0	7,220.0	10,619.4	6,900.0	49.9	53.0	64.07	1,311.5	1,469.2	731.9	632.2	99.69	7.342		
10,900.0	7,220.0	10,719.4	6,900.0	51.4	54.5	64.08	1,411.0	1,458.9	732.0	629.7	102.33	7.153		
11,000.0	7,220.0	10,819.4	6,900.0	52.9	56.0	64.08	1,510.4	1,448.7	732.1	627.1	105.04	6.970		
11,100.0	7,220.0	10,919.4	6,900.0	54.5	57.6	64.09	1,609.9	1,438.4	732.3	624.5	107.79	6.793		
11,200.0	7,220.0	11,019.4	6,900.0	56.0	59.2	64.09	1,709.4	1,428.1	732.4	621.8	110.59	6.622		
11,300.0	7,220.0	11,119.4	6,900.0	57.6	60.8	64.10	1,808.9	1,417.9	732.5	619.0	113.44	6.457		
11,400.0	7,220.0	11,219.4	6,900.0	59.2	62.4	64.10	1,908.3	1,407.6	732.6	616.3	116.33	6.297		
11,500.0	7,220.0	11,319.4	6,900.0	60.9	64.1	64.10	2,007.8	1,397.3	732.7	613.4	119.26	6.144		
11,600.0	7,220.0	11,419.4	6,900.0	62.5	65.7	64.11	2,107.3	1,387.0	732.8	610.6	122.23	5.996		
11,700.0	7,220.0	11,519.4	6,900.0	64.2	67.4	64.11	2,206.7	1,376.8	732.9	607.7	125.23	5.853		
11,800.0	7,220.0	11,619.4	6,900.0	65.9	69.1	64.12	2,306.2	1,366.5	733.1	604.8	128.26	5.716		
11,813.9	7,220.0	11,633.3	6,900.0	66.1	69.3	64.12	2,320.0	1,365.1	733.1	604.4	128.68	5.697		
11,900.0	7,220.0	11,664.0	6,900.0	67.6	69.8	64.12	2,350.6	1,361.9	735.3	604.8	130.47	5.635		
11,914.9	7,220.0	11,664.0	6,900.0	67.8	69.8	64.12	2,350.6	1,361.9	736.5	605.8	130.70	5.635 SF		

Company:	Synergy Resources	Local Co-ordinate Reference:	Well SRC Vista 12-2CHZ
Project:	SEC.2-T4N-R68W	TVD Reference:	WELL @ 5013.0ft (Original Well Elev)
Reference Site:	SRC Vista (N/S) Pad Sec.2-T4N-R68W	MD Reference:	WELL @ 5013.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	SRC Vista 12-2CHZ	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 (11-07-14)	Offset TVD Reference:	Offset Datum

Offset Design SRC Vista (N/S) Pad Sec.2-T4N-R68W - SRC Vista A-2CHZ - Wellbore #1 - Plan #1 (11-10-14)													Offset Site Error:	0.0 ft
Survey Program: 0-MWD													Offset Well Error:	0.0 ft
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Semi Major Axis 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	179.60	-40.1	0.3	40.1					
100.0	100.0	100.0	100.0	0.1	0.1	179.60	-40.1	0.3	40.1	39.9	0.22	178.314		
200.0	200.0	200.0	200.0	0.3	0.3	179.60	-40.1	0.3	40.1	39.4	0.67	59.438		
300.0	300.0	300.0	300.0	0.6	0.6	179.60	-40.1	0.3	40.1	39.0	1.12	35.663		
400.0	400.0	400.0	400.0	0.8	0.8	179.60	-40.1	0.3	40.1	38.5	1.57	25.473		
500.0	500.0	500.0	500.0	1.0	1.0	179.60	-40.1	0.3	40.1	38.1	2.02	19.813		
600.0	600.0	600.0	600.0	1.2	1.2	179.60	-40.1	0.3	40.1	37.6	2.47	16.210		
700.0	700.0	700.0	700.0	1.5	1.5	179.60	-40.1	0.3	40.1	37.2	2.92	13.716		
800.0	800.0	800.0	800.0	1.7	1.7	179.60	-40.1	0.3	40.1	36.7	3.37	11.888		
900.0	900.0	900.0	900.0	1.9	1.9	179.60	-40.1	0.3	40.1	36.3	3.82	10.489		
1,000.0	1,000.0	1,000.0	1,000.0	2.1	2.1	179.60	-40.1	0.3	40.1	35.8	4.27	9.385 CC, ES		
1,100.0	1,100.0	1,098.7	1,098.7	2.4	2.3	178.49	-41.6	1.1	41.6	36.9	4.69	8.867		
1,200.0	1,200.0	1,197.3	1,197.1	2.6	2.5	175.59	-46.0	3.5	46.3	41.2	5.10	9.076		
1,300.0	1,300.0	1,295.3	1,294.8	2.8	2.7	171.90	-53.4	7.6	54.2	48.7	5.51	9.833		
1,400.0	1,400.0	1,392.7	1,391.4	3.0	2.9	168.26	-63.6	13.2	65.5	59.6	5.94	11.036		
1,500.0	1,500.0	1,489.4	1,487.0	3.2	3.2	4.68	-76.6	20.4	78.6	72.3	6.32	12.435		
1,600.0	1,599.8	1,585.7	1,581.6	3.4	3.4	2.18	-92.4	29.0	91.7	85.0	6.69	13.698		
1,700.0	1,699.5	1,681.5	1,675.1	3.6	3.8	0.03	-110.8	39.1	104.7	97.6	7.07	14.809		
1,800.0	1,798.7	1,776.9	1,767.4	3.8	4.2	-1.88	-131.8	50.7	117.6	110.2	7.45	15.784		
1,900.0	1,897.5	1,871.9	1,858.5	4.0	4.6	-3.63	-155.5	63.7	130.5	122.7	7.84	16.637		
2,000.0	1,995.6	1,966.5	1,948.3	4.3	5.1	-5.26	-181.6	78.1	143.3	135.1	8.25	17.375		
2,100.0	2,093.1	2,060.7	2,036.6	4.6	5.7	-6.79	-210.2	93.8	156.1	147.4	8.66	18.023		
2,200.0	2,189.6	2,154.5	2,123.5	5.0	6.3	-8.25	-241.2	110.8	168.7	159.6	9.10	18.548		
2,300.0	2,285.3	2,247.8	2,208.8	5.4	7.0	-9.65	-274.5	129.1	181.4	171.8	9.56	18.976		
2,400.0	2,379.8	2,341.5	2,293.1	5.9	7.7	-11.02	-310.3	148.8	193.9	183.8	10.05	19.296		
2,500.0	2,473.2	2,440.8	2,381.8	6.5	8.5	-12.47	-349.3	170.3	204.4	193.8	10.59	19.294		
2,600.0	2,565.2	2,540.4	2,470.9	7.1	9.4	-14.02	-388.4	191.7	211.7	200.5	11.19	18.917		
2,700.0	2,655.8	2,640.1	2,560.0	7.8	10.3	-15.71	-427.6	213.3	215.8	203.9	11.85	18.204		
2,789.9	2,736.0	2,729.8	2,640.2	8.5	11.1	-17.43	-462.8	232.6	216.7	204.2	12.52	17.307		
2,800.0	2,744.9	2,739.8	2,649.2	8.6	11.1	-17.63	-466.7	234.8	216.7	204.1	12.61	17.181		
2,899.9	2,833.3	2,839.5	2,738.2	9.5	12.0	-19.66	-505.8	256.3	216.6	203.0	13.55	15.981		
2,900.0	2,833.4	2,839.5	2,738.3	9.5	12.0	-19.66	-505.8	256.3	216.6	203.0	13.55	15.980		
3,000.0	2,921.9	2,939.2	2,827.4	10.3	12.9	-21.69	-545.0	277.8	216.7	202.1	14.58	14.860		
3,100.0	3,010.3	3,039.0	2,916.6	11.2	13.8	-23.72	-584.1	299.3	217.1	201.4	15.71	13.822		
3,200.0	3,098.8	3,138.7	3,005.7	12.1	14.7	-25.73	-623.3	320.8	217.8	200.9	16.93	12.867		
3,300.0	3,187.2	3,238.4	3,094.8	12.9	15.6	-27.73	-662.4	342.3	218.8	200.5	18.24	11.992		
3,400.0	3,275.7	3,338.1	3,184.0	13.8	16.5	-29.71	-701.6	363.9	220.0	200.3	19.65	11.195		
3,500.0	3,364.2	3,437.8	3,273.1	14.7	17.4	-31.66	-740.7	385.4	221.4	200.3	21.14	10.473		
3,600.0	3,452.6	3,537.5	3,362.3	15.6	18.3	-33.59	-779.8	406.9	223.2	200.5	22.72	9.821		
3,700.0	3,541.1	3,637.2	3,451.4	16.6	19.2	-35.49	-819.0	428.4	225.2	200.8	24.38	9.235		
3,800.0	3,629.5	3,736.9	3,540.5	17.5	20.2	-37.35	-858.1	449.9	227.4	201.3	26.11	8.708		
3,900.0	3,718.0	3,836.6	3,629.7	18.4	21.1	-39.17	-897.3	471.4	229.8	201.9	27.91	8.236		
4,000.0	3,806.5	3,936.3	3,718.8	19.3	22.0	-40.95	-936.4	492.9	232.5	202.8	29.76	7.813		
4,100.0	3,894.9	4,036.0	3,808.0	20.2	22.9	-42.69	-975.5	514.5	235.4	203.8	31.67	7.435		
4,200.0	3,983.4	4,135.7	3,897.1	21.2	23.8	-44.39	-1,014.7	536.0	238.6	204.9	33.62	7.095		
4,300.0	4,071.8	4,235.4	3,986.2	22.1	24.7	-46.04	-1,053.8	557.5	241.9	206.3	35.62	6.792		
4,400.0	4,160.3	4,335.1	4,075.4	23.0	25.7	-47.65	-1,093.0	579.0	245.4	207.8	37.65	6.519		
4,500.0	4,248.8	4,434.8	4,164.5	24.0	26.6	-49.21	-1,132.1	600.5	249.1	209.4	39.70	6.275		
4,600.0	4,337.2	4,534.5	4,253.7	24.9	27.5	-50.72	-1,171.3	622.0	253.0	211.2	41.79	6.055		
4,700.0	4,425.7	4,634.2	4,342.8	25.8	28.4	-52.19	-1,210.4	643.5	257.1	213.2	43.89	5.858		
4,800.0	4,514.1	4,733.9	4,431.9	26.8	29.3	-53.61	-1,249.5	665.1	261.3	215.3	46.01	5.680		
4,900.0	4,602.6	4,833.6	4,521.1	27.7	30.3	-54.98	-1,288.7	686.6	265.7	217.6	48.14	5.519		

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 Vista 12-2CHZ
Project:	SEC.2-T4N-R68W	TVD Reference:	WELL @ 5013.0ft (Original Well Elev)
Reference Site:	SRC Vista (N/S) Pad Sec.2-T4N-R68W	MD Reference:	WELL @ 5013.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	SRC Vista 12-2CHZ	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 (11-07-14)	Offset TVD Reference:	Offset Datum

Offset Design												Offset Site Error:	0.0 ft
Survey Program: 0-MWDD												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
5,000.0	4,691.1	4,933.3	4,610.2	28.6	31.2	-56.31	-1,327.8	708.1	270.2	219.9	50.28	5.374	
5,100.0	4,779.5	5,033.0	4,699.4	29.6	32.1	-57.59	-1,367.0	729.6	274.9	222.5	52.43	5.243	
5,200.0	4,868.0	5,132.7	4,788.5	30.5	33.0	-58.84	-1,406.1	751.1	279.7	225.1	54.59	5.124	
5,300.0	4,956.4	5,232.4	4,877.6	31.4	33.9	-60.03	-1,445.2	772.6	284.6	227.9	56.74	5.017	
5,400.0	5,044.9	5,332.1	4,966.8	32.4	34.9	-61.19	-1,484.4	794.1	289.7	230.8	58.90	4.919	
5,500.0	5,133.4	5,431.8	5,055.9	33.3	35.8	-62.31	-1,523.5	815.7	294.9	233.8	61.05	4.830	
5,600.0	5,221.8	5,531.5	5,145.1	34.3	36.7	-63.39	-1,562.7	837.2	300.1	236.9	63.20	4.749	
5,700.0	5,310.3	5,631.2	5,234.2	35.2	37.6	-64.43	-1,601.8	858.7	305.5	240.2	65.35	4.675	
5,800.0	5,398.7	5,730.9	5,323.3	36.1	38.6	-65.44	-1,640.9	880.2	311.0	243.5	67.50	4.607	
5,900.0	5,487.2	5,830.6	5,412.5	37.1	39.5	-66.41	-1,680.1	901.7	316.6	246.9	69.64	4.546	
6,000.0	5,575.6	5,930.4	5,501.6	38.0	40.4	-67.34	-1,719.2	923.2	322.2	250.4	71.77	4.490	
6,100.0	5,664.1	6,030.1	5,590.8	39.0	41.3	-68.25	-1,758.4	944.7	327.9	254.1	73.90	4.438	
6,200.0	5,752.6	6,129.8	5,679.9	39.9	42.2	-69.12	-1,797.5	966.3	333.8	257.7	76.02	4.391	
6,300.0	5,841.0	6,229.5	5,769.0	40.8	43.2	-69.96	-1,836.7	987.8	339.7	261.5	78.13	4.347	
6,400.0	5,929.5	6,329.2	5,858.2	41.8	44.1	-70.78	-1,875.8	1,009.3	345.6	265.4	80.24	4.307	
6,500.0	6,017.9	6,428.9	5,947.3	42.7	45.0	-71.56	-1,914.9	1,030.8	351.7	269.3	82.34	4.271	
6,600.0	6,106.4	6,528.6	6,036.5	43.7	45.9	-72.32	-1,954.1	1,052.3	357.7	273.3	84.43	4.237	
6,709.8	6,203.6	6,638.1	6,134.3	44.7	47.0	-73.13	-1,997.1	1,075.9	364.5	277.8	86.72	4.203	
6,750.0	6,239.6	6,678.2	6,170.2	45.0	47.3	-70.92	-2,012.8	1,084.6	366.9	279.4	87.51	4.193	
6,800.0	6,285.6	6,728.0	6,214.8	45.3	47.8	-66.65	-2,032.4	1,095.4	369.6	281.5	88.16	4.193	
6,850.0	6,332.7	6,777.1	6,258.7	45.6	48.2	-60.17	-2,051.6	1,106.0	372.1	283.6	88.49	4.205	
6,900.0	6,380.7	6,824.6	6,302.0	45.8	48.6	-50.87	-2,068.1	1,116.4	374.7	286.1	88.59	4.229	
6,950.0	6,429.4	6,872.5	6,346.6	45.9	48.8	-37.34	-2,081.8	1,127.1	377.3	288.8	88.57	4.260	
7,000.0	6,478.4	6,920.8	6,392.4	46.1	49.1	-18.12	-2,092.4	1,138.1	380.2	291.7	88.45	4.298	
7,050.0	6,527.7	6,969.6	6,439.3	46.1	49.3	5.24	-2,099.9	1,149.4	383.2	294.9	88.23	4.343	
7,100.0	6,576.9	7,018.8	6,486.9	46.2	49.4	26.87	-2,104.1	1,160.8	386.3	298.3	87.93	4.393	
7,150.0	6,625.8	7,068.5	6,535.3	46.2	49.5	42.89	-2,104.9	1,172.4	389.5	301.9	87.56	4.448	
7,200.0	6,674.1	7,118.7	6,584.0	46.1	49.6	53.89	-2,102.3	1,184.0	392.8	305.7	87.11	4.509	
7,250.0	6,721.6	7,169.4	6,632.9	46.0	49.6	61.54	-2,096.0	1,195.7	396.1	309.6	86.59	4.575	
7,300.0	6,768.2	7,220.7	6,681.8	45.9	49.6	67.08	-2,086.1	1,207.4	399.6	313.5	86.02	4.645	
7,350.0	6,813.5	7,272.4	6,730.4	45.7	49.6	71.28	-2,072.5	1,218.9	403.0	317.6	85.41	4.719	
7,400.0	6,857.4	7,324.8	6,778.4	45.5	49.5	74.58	-2,055.1	1,230.3	406.5	321.7	84.75	4.796	
7,450.0	6,899.5	7,377.6	6,825.5	45.2	49.3	77.24	-2,033.9	1,241.5	409.9	325.8	84.06	4.876	
7,500.0	6,939.8	7,431.1	6,871.5	44.9	49.1	79.44	-2,008.9	1,252.4	413.3	329.9	83.35	4.958	
7,550.0	6,978.1	7,485.0	6,915.9	44.6	48.9	81.29	-1,980.1	1,262.9	416.6	333.9	82.63	5.041	
7,600.0	7,014.0	7,539.5	6,958.5	44.3	48.6	82.87	-1,947.7	1,272.9	419.7	337.8	81.90	5.125	
7,650.0	7,047.6	7,594.6	6,999.0	43.9	48.3	84.22	-1,911.6	1,282.4	422.8	341.6	81.17	5.209	
7,700.0	7,078.5	7,650.1	7,037.0	43.6	48.0	85.38	-1,872.1	1,291.4	425.6	345.2	80.45	5.291	
7,750.0	7,106.7	7,706.1	7,072.2	43.2	47.7	86.38	-1,829.4	1,299.6	428.3	348.6	79.75	5.371	
7,800.0	7,132.0	7,762.6	7,104.3	42.8	47.3	87.24	-1,783.5	1,307.0	430.8	351.7	79.07	5.448	
7,850.0	7,154.3	7,819.5	7,133.0	42.4	46.9	87.96	-1,734.8	1,313.7	432.9	354.5	78.43	5.520	
7,900.0	7,173.5	7,876.8	7,157.9	42.0	46.5	88.57	-1,683.7	1,319.4	434.9	357.0	77.82	5.588	
7,950.0	7,189.5	7,934.4	7,179.0	41.6	46.0	89.06	-1,630.3	1,324.2	436.5	359.2	77.25	5.650	
8,000.0	7,202.1	7,992.2	7,195.8	41.1	45.6	89.45	-1,575.1	1,328.0	437.8	361.0	76.73	5.705	
8,050.0	7,211.5	8,050.3	7,208.4	40.7	45.2	89.73	-1,518.5	1,330.7	438.8	362.5	76.26	5.754	
8,100.0	7,217.4	8,108.5	7,216.4	40.3	44.7	89.91	-1,460.9	1,332.4	439.4	363.6	75.83	5.794	
8,150.0	7,219.9	8,166.8	7,219.9	40.0	44.3	89.99	-1,402.7	1,332.9	439.7	364.2	75.46	5.827	
8,161.4	7,220.0	8,180.2	7,220.0	39.9	44.2	90.00	-1,389.3	1,332.9	439.7	364.3	75.38	5.833	
8,200.0	7,220.0	8,218.9	7,220.0	39.6	43.9	90.00	-1,350.6	1,332.7	439.7	364.8	74.86	5.874	
8,300.0	7,220.0	8,318.9	7,220.0	38.8	43.2	90.00	-1,250.6	1,332.2	439.7	366.1	73.58	5.976	
8,400.0	7,220.0	8,418.9	7,220.0	38.2	42.5	90.00	-1,150.6	1,331.8	439.7	367.3	72.48	6.067	
8,500.0	7,220.0	8,518.9	7,220.0	37.6	41.9	90.00	-1,050.6	1,331.3	439.8	368.2	71.56	6.145	

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

Offset Design SRC Vista (N/S) Pad Sec.2-T4N-R68W - SRC Vista A-2CHZ - Wellbore #1 - Plan #1 (11-10-14)													Offset Site Error: 0.0 ft	
Survey Program: 0-MWD													Offset Well Error: 0.0 ft	
Reference		Offset		Semi Major Axis			Distance							
Measured Depth	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset	Highside Toolface	Offset Wellbore Centre		Between Centres	Between Ellipses	Minimum Separation	Separation Factor	Warning	
(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(°)	+N/-S (ft)	+E/-W (ft)	(ft)	(ft)	(ft)			
8,600.0	7,220.0	8,618.9	7,220.0	37.0	41.3	90.00	-950.6	1,330.8	439.8	368.9	70.85	6.207		
8,700.0	7,220.0	8,718.9	7,220.0	36.6	40.7	90.00	-850.6	1,330.4	439.8	369.5	70.34	6.253		
8,800.0	7,220.0	8,818.9	7,220.0	36.2	40.2	90.00	-750.6	1,329.9	439.8	369.8	70.04	6.280		
8,900.0	7,220.0	8,918.9	7,220.0	35.9	39.8	90.00	-650.6	1,329.4	439.8	369.9	69.94	6.289		
9,000.0	7,220.0	9,018.9	7,220.0	35.7	39.4	90.00	-550.6	1,329.0	439.9	369.8	70.06	6.278		
9,100.0	7,220.0	9,118.9	7,220.0	35.7	39.1	90.00	-450.6	1,328.5	439.9	369.5	70.39	6.250		
9,200.0	7,220.0	9,218.9	7,220.0	35.7	38.9	90.00	-350.6	1,328.0	439.9	369.0	70.92	6.203		
9,300.0	7,220.0	9,318.9	7,220.0	35.9	38.7	90.00	-250.6	1,327.5	439.9	368.3	71.66	6.139		
9,400.0	7,220.0	9,418.9	7,220.0	36.1	38.7	90.00	-150.6	1,327.1	440.0	367.4	72.59	6.060		
9,500.0	7,220.0	9,518.9	7,220.0	36.6	38.8	90.00	-50.6	1,326.6	440.0	366.3	73.72	5.968		
9,600.0	7,220.0	9,618.9	7,220.0	37.1	39.0	90.00	49.4	1,326.1	440.0	365.0	75.02	5.865		
9,700.0	7,220.0	9,718.9	7,220.0	37.7	39.4	90.00	149.4	1,325.7	440.0	363.5	76.49	5.752		
9,800.0	7,220.0	9,818.9	7,220.0	38.5	40.0	90.00	249.4	1,325.2	440.0	361.9	78.13	5.632		
9,900.0	7,220.0	9,918.9	7,220.0	39.4	40.7	90.00	349.4	1,324.7	440.1	360.2	79.92	5.507		
10,000.0	7,220.0	10,018.9	7,220.0	40.3	41.6	90.00	449.4	1,324.3	440.1	358.2	81.84	5.377		
10,040.9	7,220.0	10,059.7	7,220.0	40.7	42.0	90.00	490.2	1,324.1	440.1	357.4	82.67	5.324		
10,100.0	7,220.0	10,135.7	7,220.0	41.2	42.6	90.00	566.2	1,322.3	440.0	356.1	83.80	5.250		
10,200.0	7,220.0	10,262.2	7,220.0	42.0	43.7	90.00	692.3	1,312.8	438.5	353.1	85.42	5.133		
10,228.7	7,220.0	10,290.9	7,220.0	42.3	44.0	90.00	720.8	1,309.8	438.3	352.4	85.85	5.105		
10,230.4	7,220.0	10,292.6	7,220.0	42.3	44.0	90.00	722.6	1,309.6	438.3	352.4	85.88	5.104		
10,300.0	7,220.0	10,362.2	7,220.0	43.0	44.9	90.00	791.8	1,302.4	438.4	351.0	87.40	5.015		
10,400.0	7,220.0	10,462.2	7,220.0	44.3	46.2	90.00	891.2	1,292.1	438.5	348.6	89.86	4.879		
10,500.0	7,220.0	10,562.2	7,220.0	45.7	47.6	90.00	990.7	1,281.8	438.5	346.1	92.42	4.745		
10,600.0	7,220.0	10,662.2	7,220.0	47.0	49.0	90.00	1,090.2	1,271.5	438.6	343.6	95.07	4.614		
10,700.0	7,220.0	10,762.2	7,220.0	48.5	50.5	90.00	1,189.6	1,261.2	438.7	340.9	97.81	4.485		
10,800.0	7,220.0	10,862.2	7,220.0	49.9	51.9	90.00	1,289.1	1,250.9	438.8	338.2	100.63	4.361		
10,900.0	7,220.0	10,962.2	7,220.0	51.4	53.4	90.00	1,388.6	1,240.6	438.9	335.4	103.52	4.240		
11,000.0	7,220.0	11,062.2	7,220.0	52.9	55.0	90.00	1,488.0	1,230.3	439.0	332.5	106.48	4.123		
11,100.0	7,220.0	11,162.2	7,220.0	54.5	56.5	90.00	1,587.5	1,220.0	439.1	329.6	109.50	4.010		
11,200.0	7,220.0	11,262.2	7,220.0	56.0	58.1	90.00	1,687.0	1,209.7	439.2	326.6	112.58	3.901		
11,300.0	7,220.0	11,362.2	7,220.0	57.6	59.7	90.00	1,786.4	1,199.4	439.3	323.6	115.71	3.796		
11,400.0	7,220.0	11,462.2	7,220.0	59.2	61.3	90.00	1,885.9	1,189.1	439.4	320.5	118.89	3.696		
11,500.0	7,220.0	11,562.2	7,220.0	60.9	62.9	90.00	1,985.4	1,178.8	439.5	317.4	122.11	3.599		
11,600.0	7,220.0	11,662.2	7,220.0	62.5	64.6	90.00	2,084.8	1,168.5	439.6	314.2	125.37	3.506		
11,700.0	7,220.0	11,762.2	7,220.0	64.2	66.3	90.00	2,184.3	1,158.2	439.7	311.0	128.67	3.417		
11,800.0	7,220.0	11,862.2	7,220.0	65.9	67.9	90.00	2,283.8	1,147.9	439.7	307.7	132.01	3.331		
11,844.1	7,220.0	11,906.3	7,220.0	66.6	68.7	90.00	2,327.6	1,143.3	439.8	306.3	133.49	3.295		
11,900.0	7,220.0	11,930.1	7,220.0	67.6	69.1	90.00	2,351.3	1,140.9	441.0	306.2	134.83	3.271 SF		
11,914.9	7,220.0	11,930.1	7,220.0	67.8	69.1	90.00	2,351.3	1,140.9	442.4	307.3	135.09	3.275		

Company:	Synergy Resources	Local Co-ordinate Reference:	Well SRC Vista 12-2CHZ
Project:	SEC.2-T4N-R68W	TVD Reference:	WELL @ 5013.0ft (Original Well Elev)
Reference Site:	SRC Vista (N/S) Pad Sec.2-T4N-R68W	MD Reference:	WELL @ 5013.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	SRC Vista 12-2CHZ	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 (11-07-14)	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							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	-20.0	0.0	20.0					
100.0	100.0	100.0	100.0	0.1	0.1	180.00	-20.0	0.0	20.0	19.8	0.22	89.146		
200.0	200.0	200.0	200.0	0.3	0.3	180.00	-20.0	0.0	20.0	19.4	0.67	29.715		
300.0	300.0	300.0	300.0	0.6	0.6	180.00	-20.0	0.0	20.0	18.9	1.12	17.829		
400.0	400.0	400.0	400.0	0.8	0.8	180.00	-20.0	0.0	20.0	18.5	1.57	12.735		
500.0	500.0	500.0	500.0	1.0	1.0	180.00	-20.0	0.0	20.0	18.0	2.02	9.905		
600.0	600.0	600.0	600.0	1.2	1.2	180.00	-20.0	0.0	20.0	17.6	2.47	8.104		
700.0	700.0	700.0	700.0	1.5	1.5	180.00	-20.0	0.0	20.0	17.1	2.92	6.857		
800.0	800.0	800.0	800.0	1.7	1.7	180.00	-20.0	0.0	20.0	16.7	3.37	5.943		
900.0	900.0	900.0	900.0	1.9	1.9	180.00	-20.0	0.0	20.0	16.2	3.82	5.244		
1,000.0	1,000.0	1,000.0	1,000.0	2.1	2.1	180.00	-20.0	0.0	20.0	15.8	4.27	4.692		
1,100.0	1,100.0	1,100.0	1,100.0	2.4	2.4	180.00	-20.0	0.0	20.0	15.3	4.72	4.245		
1,200.0	1,200.0	1,200.0	1,200.0	2.6	2.6	180.00	-20.0	0.0	20.0	14.9	5.17	3.876 CC, ES		
1,300.0	1,300.0	1,299.3	1,299.3	2.8	2.8	178.16	-21.6	0.7	21.6	16.0	5.59	3.869		
1,400.0	1,400.0	1,398.4	1,398.3	3.0	3.0	173.98	-26.3	2.8	26.5	20.5	5.99	4.425		
1,500.0	1,500.0	1,497.2	1,496.6	3.2	3.1	9.60	-34.1	6.2	33.1	26.8	6.37	5.201		
1,600.0	1,599.8	1,595.7	1,594.5	3.4	3.4	6.67	-45.0	11.0	39.8	33.0	6.72	5.913		
1,700.0	1,699.5	1,694.0	1,691.6	3.6	3.6	4.28	-58.9	17.2	46.4	39.3	7.08	6.547		
1,800.0	1,798.7	1,792.1	1,787.9	3.8	3.9	2.22	-75.8	24.7	53.0	45.5	7.45	7.111		
1,900.0	1,897.5	1,890.0	1,883.3	4.0	4.2	0.38	-95.7	33.4	59.5	51.7	7.82	7.612		
2,000.0	1,995.6	1,987.6	1,977.7	4.3	4.6	-1.30	-118.4	43.5	66.1	57.9	8.20	8.056		
2,100.0	2,093.1	2,085.0	2,071.0	4.6	5.0	-2.88	-144.1	54.8	72.5	64.0	8.59	8.445		
2,200.0	2,189.6	2,182.2	2,163.1	5.0	5.5	-4.36	-172.5	67.4	79.0	70.0	8.99	8.783		
2,300.0	2,285.3	2,279.2	2,253.9	5.4	6.1	-5.79	-203.8	81.2	85.4	76.0	9.42	9.068		
2,400.0	2,379.8	2,376.0	2,343.2	5.9	6.7	-7.16	-237.7	96.2	91.8	81.9	9.87	9.299		
2,500.0	2,473.2	2,472.6	2,431.1	6.5	7.4	-8.49	-274.3	112.4	98.2	87.8	10.36	9.478		
2,600.0	2,565.2	2,568.9	2,517.4	7.1	8.2	-9.79	-313.5	129.7	104.5	93.6	10.88	9.602		
2,700.0	2,655.8	2,665.4	2,602.3	7.8	9.0	-11.06	-355.4	148.2	110.7	99.3	11.45	9.671		
2,789.9	2,736.0	2,755.1	2,680.7	8.5	9.8	-12.35	-395.4	165.9	114.8	102.8	12.03	9.544		
2,800.0	2,744.9	2,765.2	2,689.5	8.6	9.9	-12.51	-399.9	167.9	115.1	103.0	12.11	9.506		
2,900.0	2,833.4	2,865.1	2,776.7	9.5	10.8	-14.02	-444.5	187.6	118.2	105.2	12.93	9.140		
3,000.0	2,921.9	2,965.0	2,863.9	10.3	11.7	-15.46	-489.0	207.3	121.3	107.5	13.81	8.786		
3,100.0	3,010.3	3,064.9	2,951.2	11.2	12.7	-16.82	-533.6	227.0	124.5	109.8	14.74	8.448		
3,200.0	3,098.8	3,164.8	3,038.4	12.1	13.6	-18.12	-578.1	246.7	127.8	112.1	15.73	8.126		
3,300.0	3,187.2	3,264.7	3,125.6	12.9	14.6	-19.35	-622.7	266.4	131.2	114.4	16.77	7.822		
3,400.0	3,275.7	3,364.6	3,212.8	13.8	15.6	-20.51	-667.2	286.1	134.6	116.7	17.86	7.536		
3,500.0	3,364.2	3,464.6	3,300.1	14.7	16.5	-21.62	-711.8	305.8	138.1	119.1	18.99	7.269		
3,600.0	3,452.6	3,564.5	3,387.3	15.6	17.5	-22.68	-756.3	325.5	141.6	121.4	20.17	7.020		
3,700.0	3,541.1	3,664.4	3,474.5	16.6	18.5	-23.68	-800.9	345.2	145.1	123.8	21.38	6.788		
3,800.0	3,629.5	3,764.3	3,561.8	17.5	19.4	-24.63	-845.4	364.9	148.7	126.1	22.63	6.573		
3,900.0	3,718.0	3,864.2	3,649.0	18.4	20.4	-25.54	-889.9	384.6	152.4	128.5	23.91	6.373		
4,000.0	3,806.5	3,964.1	3,736.2	19.3	21.4	-26.41	-934.5	404.2	156.1	130.8	25.22	6.188		
4,100.0	3,894.9	4,064.0	3,823.4	20.2	22.4	-27.24	-979.0	423.9	159.8	133.2	26.56	6.016		
4,200.0	3,983.4	4,163.9	3,910.7	21.2	23.4	-28.03	-1,023.6	443.6	163.5	135.6	27.92	5.856		
4,300.0	4,071.8	4,263.8	3,997.9	22.1	24.4	-28.78	-1,068.1	463.3	167.3	138.0	29.31	5.708		
4,400.0	4,160.3	4,363.7	4,085.1	23.0	25.4	-29.50	-1,112.7	483.0	171.1	140.4	30.72	5.570		
4,500.0	4,248.8	4,463.6	4,172.4	24.0	26.3	-30.19	-1,157.2	502.7	174.9	142.8	32.15	5.442		
4,600.0	4,337.2	4,563.5	4,259.6	24.9	27.3	-30.85	-1,201.8	522.4	178.8	145.2	33.59	5.322		
4,700.0	4,425.7	4,663.4	4,346.8	25.8	28.3	-31.48	-1,246.3	542.1	182.6	147.6	35.05	5.211		
4,800.0	4,514.1	4,763.3	4,434.0	26.8	29.3	-32.08	-1,290.9	561.8	186.5	150.0	36.53	5.107		
4,900.0	4,602.6	4,863.2	4,521.3	27.7	30.3	-32.67	-1,335.4	581.5	190.5	152.4	38.02	5.010		
5,000.0	4,691.1	4,963.1	4,608.5	28.6	31.3	-33.22	-1,380.0	601.2	194.4	154.9	39.52	4.919		

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 Vista 12-2CHZ
Project:	SEC.2-T4N-R68W	TVD Reference:	WELL @ 5013.0ft (Original Well Elev)
Reference Site:	SRC Vista (N/S) Pad Sec.2-T4N-R68W	MD Reference:	WELL @ 5013.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	SRC Vista 12-2CHZ	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 (11-07-14)	Offset TVD Reference:	Offset Datum

Offset Design												Offset Site Error:	0.0 ft
Survey Program: 0-MWDD												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	4,779.5	5,063.0	4,695.7	29.6	32.3	-33.76	-1,424.5	620.9	198.3	157.3	41.03	4.834	
5,200.0	4,868.0	5,162.9	4,783.0	30.5	33.3	-34.27	-1,469.1	640.6	202.3	159.7	42.56	4.754	
5,300.0	4,956.4	5,262.8	4,870.2	31.4	34.3	-34.76	-1,513.6	660.3	206.3	162.2	44.09	4.678	
5,400.0	5,044.9	5,362.8	4,957.4	32.4	35.3	-35.24	-1,558.2	679.9	210.3	164.7	45.64	4.608	
5,500.0	5,133.4	5,462.7	5,044.6	33.3	36.3	-35.70	-1,602.7	699.6	214.3	167.1	47.19	4.541	
5,600.0	5,221.8	5,562.6	5,131.9	34.3	37.3	-36.14	-1,647.3	719.3	218.3	169.6	48.75	4.478	
5,700.0	5,310.3	5,662.5	5,219.1	35.2	38.2	-36.56	-1,691.8	739.0	222.4	172.0	50.32	4.419	
5,800.0	5,398.7	5,762.4	5,306.3	36.1	39.2	-36.97	-1,736.4	758.7	226.4	174.5	51.90	4.363	
5,900.0	5,487.2	5,862.3	5,393.5	37.1	40.2	-37.37	-1,780.9	778.4	230.5	177.0	53.48	4.310	
6,000.0	5,575.6	5,962.2	5,480.8	38.0	41.2	-37.75	-1,825.5	798.1	234.5	179.5	55.06	4.260	
6,100.0	5,664.1	6,062.1	5,568.0	39.0	42.2	-38.12	-1,870.0	817.8	238.6	182.0	56.66	4.212	
6,200.0	5,752.6	6,162.0	5,655.2	39.9	43.2	-38.47	-1,914.5	837.5	242.7	184.5	58.25	4.167	
6,300.0	5,841.0	6,261.9	5,742.5	40.8	44.2	-38.82	-1,959.1	857.2	246.8	187.0	59.86	4.124	
6,400.0	5,929.5	6,361.8	5,829.7	41.8	45.2	-39.15	-2,003.6	876.9	250.9	189.5	61.46	4.083	
6,500.0	6,017.9	6,468.1	5,922.9	42.7	46.2	-39.70	-2,050.1	897.9	254.6	191.4	63.25	4.026	
6,600.0	6,106.4	6,565.6	6,031.4	43.7	46.9	-43.27	-2,087.7	922.3	252.8	185.4	67.40	3.751	
6,709.8	6,203.6	6,705.6	6,146.9	44.7	47.3	-51.21	-2,106.8	948.2	245.8	170.9	74.90	3.282	
6,750.0	6,239.6	6,746.6	6,186.9	45.0	47.4	-52.07	-2,108.8	957.2	243.5	165.7	77.74	3.132	
6,800.0	6,285.6	6,796.4	6,235.4	45.3	47.5	-52.19	-2,108.0	968.0	241.9	160.9	81.01	2.987	
6,826.5	6,310.5	6,822.3	6,260.6	45.5	47.5	-51.63	-2,106.3	973.6	241.7	159.1	82.61	2.926	
6,850.0	6,332.7	6,844.9	6,282.6	45.6	47.5	-50.63	-2,104.0	978.5	241.9	157.9	83.94	2.882	
6,900.0	6,380.7	6,892.2	6,328.2	45.8	47.5	-46.35	-2,096.9	988.7	243.3	156.9	86.45	2.815	
6,950.0	6,429.4	6,938.3	6,372.2	45.9	47.5	-37.74	-2,087.0	998.5	246.1	157.7	88.46	2.782 SF	
7,000.0	6,478.4	6,983.4	6,414.5	46.1	47.4	-23.32	-2,074.5	1,007.9	250.3	160.3	89.94	2.783	
7,050.0	6,527.7	7,027.6	6,455.1	46.1	47.3	-4.57	-2,059.7	1,016.9	255.5	164.7	90.85	2.813	
7,100.0	6,576.9	7,071.0	6,494.1	46.2	47.2	12.64	-2,042.7	1,025.5	261.7	170.5	91.21	2.870	
7,150.0	6,625.8	7,113.6	6,531.3	46.2	47.0	24.49	-2,023.6	1,033.7	268.8	177.7	91.04	2.952	
7,200.0	6,674.1	7,155.5	6,566.7	46.1	46.8	31.55	-2,002.7	1,041.5	276.4	186.0	90.39	3.058	
7,250.0	6,721.6	7,200.0	6,603.0	46.0	46.6	35.34	-1,978.2	1,049.5	284.6	195.3	89.26	3.188	
7,300.0	6,768.2	7,237.4	6,632.3	45.9	46.4	37.64	-1,955.9	1,056.0	293.0	205.2	87.82	3.336	
7,350.0	6,813.5	7,277.6	6,662.5	45.7	46.2	38.66	-1,930.2	1,062.6	301.6	215.5	86.01	3.506	
7,400.0	6,857.4	7,317.2	6,690.8	45.5	45.9	39.02	-1,903.2	1,068.8	310.2	226.2	83.93	3.695	
7,450.0	6,899.5	7,356.5	6,717.4	45.2	45.7	38.99	-1,874.9	1,074.6	318.7	237.0	81.64	3.903	
7,500.0	6,939.8	7,400.0	6,745.1	44.9	45.4	38.58	-1,841.9	1,080.6	327.0	248.0	79.08	4.136	
7,550.0	6,978.1	7,433.8	6,765.1	44.6	45.1	38.34	-1,815.1	1,085.0	335.0	258.4	76.60	4.374	
7,600.0	7,014.0	7,471.9	6,786.3	44.3	44.8	37.88	-1,783.7	1,089.6	342.7	268.7	73.96	4.634	
7,650.0	7,047.6	7,509.8	6,805.7	43.9	44.5	37.40	-1,751.4	1,093.8	349.9	278.6	71.30	4.908	
7,700.0	7,078.5	7,550.0	6,824.4	43.6	44.2	36.87	-1,716.1	1,097.8	356.7	288.1	68.62	5.198	
7,750.0	7,106.7	7,584.9	6,839.0	43.2	44.0	36.46	-1,684.6	1,100.9	362.9	296.8	66.10	5.490	
7,800.0	7,132.0	7,622.1	6,853.0	42.8	43.7	36.04	-1,650.2	1,103.9	368.5	304.8	63.65	5.789	
7,850.0	7,154.3	7,659.1	6,865.2	42.4	43.4	35.66	-1,615.3	1,106.4	373.4	312.1	61.35	6.086	
7,900.0	7,173.5	7,700.0	6,876.5	42.0	43.1	35.30	-1,576.1	1,108.8	377.7	318.5	59.20	6.380	
7,950.0	7,189.5	7,732.8	6,884.0	41.6	42.8	35.06	-1,544.3	1,110.3	381.3	323.9	57.36	6.647	
8,000.0	7,202.1	7,769.5	6,890.7	41.1	42.5	34.84	-1,508.2	1,111.7	384.1	328.4	55.74	6.892	
8,050.0	7,211.5	7,800.0	6,894.9	40.7	42.3	34.69	-1,478.0	1,112.5	386.3	331.9	54.40	7.101	
8,100.0	7,217.4	7,842.6	6,898.7	40.3	41.9	34.56	-1,435.6	1,113.1	387.7	334.4	53.31	7.272	
8,150.0	7,219.9	7,879.2	6,900.0	40.0	41.7	34.51	-1,399.1	1,113.2	388.3	335.8	52.53	7.392	
8,161.4	7,220.0	7,888.0	6,900.0	39.9	41.6	34.51	-1,390.2	1,113.2	388.3	335.9	52.39	7.413	
8,200.0	7,220.0	7,926.6	6,900.0	39.6	41.3	34.51	-1,351.6	1,113.0	388.3	335.9	52.39	7.413	
8,300.0	7,220.0	8,026.6	6,900.0	38.8	40.6	34.51	-1,251.6	1,112.6	388.4	335.9	52.45	7.405	
8,400.0	7,220.0	8,126.6	6,900.0	38.2	39.9	34.52	-1,151.6	1,112.1	388.4	335.7	52.62	7.380	
8,500.0	7,220.0	8,226.6	6,900.0	37.6	39.2	34.52	-1,051.6	1,111.6	388.4	335.5	52.91	7.340	

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 Vista 12-2CHZ
Project:	SEC.2-T4N-R68W	TVD Reference:	WELL @ 5013.0ft (Original Well Elev)
Reference Site:	SRC Vista (N/S) Pad Sec.2-T4N-R68W	MD Reference:	WELL @ 5013.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	SRC Vista 12-2CHZ	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 (11-07-14)	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	
8,600.0	7,220.0	8,326.6	6,900.0	37.0	38.7	34.52	-951.6	1,111.2	388.4	335.1	53.32	7.284	
8,700.0	7,220.0	8,426.6	6,900.0	36.6	38.2	34.53	-851.6	1,110.7	388.4	334.6	53.84	7.214	
8,800.0	7,220.0	8,526.6	6,900.0	36.2	37.7	34.53	-751.6	1,110.3	388.4	334.0	54.47	7.131	
8,900.0	7,220.0	8,626.6	6,900.0	35.9	37.4	34.54	-651.6	1,109.8	388.5	333.3	55.20	7.037	
9,000.0	7,220.0	8,726.6	6,900.0	35.7	37.1	34.54	-551.6	1,109.3	388.5	332.4	56.04	6.932	
9,100.0	7,220.0	8,826.6	6,900.0	35.7	36.9	34.54	-451.6	1,108.9	388.5	331.5	56.97	6.819	
9,200.0	7,220.0	8,926.6	6,900.0	35.7	36.8	34.55	-351.6	1,108.4	388.5	330.5	57.99	6.699	
9,300.0	7,220.0	9,026.6	6,900.0	35.9	36.8	34.55	-251.7	1,108.0	388.5	329.4	59.11	6.573	
9,400.0	7,220.0	9,126.6	6,900.0	36.1	37.0	34.56	-151.7	1,107.5	388.5	328.2	60.30	6.443	
9,500.0	7,220.0	9,226.6	6,900.0	36.6	37.3	34.56	-51.7	1,107.1	388.6	327.0	61.57	6.311	
9,600.0	7,220.0	9,326.6	6,900.0	37.1	37.7	34.56	48.3	1,106.6	388.6	325.7	62.92	6.176	
9,700.0	7,220.0	9,426.6	6,900.0	37.7	38.3	34.57	148.3	1,106.1	388.6	324.3	64.33	6.040	
9,800.0	7,220.0	9,526.6	6,900.0	38.5	39.0	34.57	248.3	1,105.7	388.6	322.8	65.81	5.905	
9,900.0	7,220.0	9,626.6	6,900.0	39.4	39.8	34.57	348.3	1,105.2	388.6	321.3	67.35	5.770	
10,000.0	7,220.0	9,726.6	6,900.0	40.3	40.7	34.58	448.3	1,104.8	388.7	319.7	68.95	5.637	
10,040.9	7,220.0	9,767.4	6,900.0	40.7	41.1	34.58	489.2	1,104.6	388.7	319.1	69.61	5.583	
10,100.0	7,220.0	9,834.1	6,900.0	41.2	41.7	34.57	555.8	1,103.2	388.6	318.4	70.26	5.531	
10,200.0	7,220.0	9,947.1	6,900.0	42.0	42.6	34.50	668.6	1,095.4	388.3	317.1	71.20	5.454	
10,230.4	7,220.0	9,978.9	6,900.0	42.3	42.9	34.47	700.2	1,092.2	388.2	316.7	71.47	5.431	
10,230.4	7,220.0	9,978.9	6,900.0	42.3	42.9	34.47	700.2	1,092.2	388.2	316.7	71.47	5.431	
10,300.0	7,220.0	10,048.5	6,900.0	43.0	43.8	34.47	769.4	1,084.9	388.2	315.5	72.64	5.343	
10,400.0	7,220.0	10,148.5	6,900.0	44.3	45.1	34.47	868.9	1,074.5	388.2	313.7	74.45	5.214	
10,500.0	7,220.0	10,248.5	6,900.0	45.7	46.5	34.47	968.3	1,064.2	388.2	311.9	76.29	5.088	
10,600.0	7,220.0	10,348.5	6,900.0	47.0	47.9	34.47	1,067.8	1,053.8	388.2	310.0	78.18	4.965	
10,700.0	7,220.0	10,448.5	6,900.0	48.5	49.3	34.48	1,167.3	1,043.4	388.2	308.1	80.10	4.846	
10,800.0	7,220.0	10,548.5	6,900.0	49.9	50.8	34.48	1,266.7	1,033.0	388.2	306.1	82.05	4.731	
10,900.0	7,220.0	10,648.5	6,900.0	51.4	52.3	34.48	1,366.2	1,022.6	388.2	304.1	84.04	4.619	
11,000.0	7,220.0	10,748.5	6,900.0	52.9	53.8	34.48	1,465.6	1,012.2	388.2	302.1	86.05	4.511	
11,100.0	7,220.0	10,848.5	6,900.0	54.5	55.4	34.48	1,565.1	1,001.8	388.2	300.1	88.09	4.407	
11,200.0	7,220.0	10,948.5	6,900.0	56.0	56.9	34.48	1,664.6	991.4	388.2	298.0	90.16	4.306	
11,300.0	7,220.0	11,048.5	6,900.0	57.6	58.5	34.48	1,764.0	981.0	388.2	295.9	92.25	4.208	
11,400.0	7,220.0	11,148.5	6,900.0	59.2	60.2	34.48	1,863.5	970.6	388.2	293.8	94.36	4.114	
11,500.0	7,220.0	11,248.5	6,900.0	60.9	61.8	34.48	1,962.9	960.2	388.2	291.7	96.49	4.023	
11,600.0	7,220.0	11,348.5	6,900.0	62.5	63.5	34.48	2,062.4	949.8	388.2	289.5	98.64	3.935	
11,700.0	7,220.0	11,448.5	6,900.0	64.2	65.1	34.48	2,161.8	939.4	388.2	287.4	100.81	3.851	
11,800.0	7,220.0	11,548.5	6,900.0	65.9	66.8	34.48	2,261.3	929.0	388.2	285.2	103.00	3.769	
11,857.8	7,220.0	11,606.3	6,900.0	66.9	67.8	34.48	2,318.8	923.0	388.2	283.9	104.27	3.723	
11,900.0	7,220.0	11,639.7	6,900.0	67.6	68.4	34.48	2,352.0	919.6	388.3	283.2	105.11	3.694	
11,914.9	7,220.0	11,639.7	6,900.0	67.8	68.4	34.48	2,352.0	919.6	388.9	283.6	105.27	3.694	

SRC Vista (N/S) Pad Sec.2-T4N-R68W - SRC Vista M-2CHZ - Wellbore #1 - Plan #1 (11-10-14)													Offset Site Error:	0.0 ft
Survey Program: 0-MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance							
Measured Depth	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset	Highside Toolface	Offset Wellbore Centre		Between Centres	Between Ellipses	Minimum Separation	Separation Factor	Warning	
(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(°)	+N/-S (ft)	+E/-W (ft)	(ft)	(ft)	(ft)			
0.0	0.0	0.0	0.0	0.0	0.0	179.87	-120.2	0.3	120.2					
100.0	100.0	100.0	100.0	0.1	0.1	179.87	-120.2	0.3	120.2	120.0	0.22	534.895		
200.0	200.0	200.0	200.0	0.3	0.3	179.87	-120.2	0.3	120.2	119.6	0.67	178.298	CC, ES	
300.0	300.0	297.0	297.0	0.6	0.5	179.33	-121.4	1.4	121.4	120.3	1.10	110.505		
400.0	400.0	393.9	393.7	0.8	0.7	177.77	-124.9	4.9	125.2	123.6	1.53	81.813		
500.0	500.0	490.3	489.8	1.0	1.0	175.38	-130.7	10.6	131.5	129.6	1.99	66.241		
600.0	600.0	586.0	584.8	1.2	1.3	172.42	-138.8	18.5	140.8	138.3	2.47	57.062		
700.0	700.0	680.9	678.6	1.5	1.6	169.18	-149.0	28.5	153.2	150.2	2.97	51.528		
800.0	800.0	774.7	770.8	1.7	1.9	165.90	-161.2	40.5	168.8	165.3	3.50	48.263		
900.0	900.0	867.3	861.2	1.9	2.3	162.76	-175.5	54.4	187.8	183.7	4.04	46.500		
1,000.0	1,000.0	958.4	949.6	2.1	2.8	159.88	-191.5	70.2	210.1	205.5	4.59	45.767		
1,100.0	1,100.0	1,048.1	1,035.7	2.4	3.3	157.30	-209.2	87.5	235.7	230.6	5.15	45.756		
1,200.0	1,200.0	1,136.0	1,119.5	2.6	3.8	155.03	-228.4	106.4	264.6	258.8	5.72	46.259		
1,300.0	1,300.0	1,222.2	1,200.7	2.8	4.4	153.05	-249.1	126.6	296.5	290.2	6.29	47.130		
1,400.0	1,400.0	1,306.5	1,279.2	3.0	5.0	151.35	-270.9	148.0	331.5	324.7	6.87	48.268		
1,500.0	1,500.0	1,389.4	1,355.5	3.2	5.6	-10.55	-294.0	170.7	367.8	361.0	6.80	54.121		
1,600.0	1,599.8	1,471.3	1,430.0	3.4	6.3	-11.82	-318.4	194.6	403.7	396.5	7.24	55.799		
1,700.0	1,699.5	1,556.4	1,506.4	3.6	7.1	-13.05	-345.2	220.8	439.2	431.5	7.69	57.083		
1,800.0	1,798.7	1,650.1	1,590.2	3.8	8.0	-14.31	-375.0	250.1	472.3	464.2	8.18	57.764		
1,900.0	1,897.5	1,744.8	1,675.0	4.0	8.9	-15.49	-405.2	279.7	502.5	493.8	8.67	57.958		
2,000.0	1,995.6	1,840.4	1,760.5	4.3	9.8	-16.64	-435.7	309.6	529.7	520.5	9.18	57.724		
2,100.0	2,093.1	1,936.7	1,846.6	4.6	10.7	-17.78	-466.4	339.7	553.9	544.2	9.70	57.112		
2,200.0	2,189.6	2,033.6	1,933.3	5.0	11.6	-18.93	-497.3	370.0	575.2	564.9	10.24	56.162		
2,300.0	2,285.3	2,131.0	2,020.5	5.4	12.5	-20.13	-528.4	400.5	593.5	582.7	10.81	54.899		
2,400.0	2,379.8	2,228.8	2,107.9	5.9	13.4	-21.37	-559.6	431.1	608.9	597.5	11.41	53.340		
2,500.0	2,473.2	2,326.8	2,195.7	6.5	14.3	-22.69	-590.8	461.7	621.4	609.3	12.07	51.500		
2,600.0	2,565.2	2,425.0	2,283.5	7.1	15.3	-24.09	-622.1	492.4	631.1	618.4	12.78	49.390		
2,700.0	2,655.8	2,523.2	2,371.4	7.8	16.2	-25.59	-653.4	523.1	638.1	624.6	13.57	47.027		
2,789.9	2,736.0	2,611.4	2,450.3	8.5	17.0	-27.04	-681.6	550.7	642.2	627.8	14.37	44.702		
2,800.0	2,744.9	2,621.3	2,459.1	8.6	17.1	-27.21	-684.7	553.8	642.6	628.1	14.47	44.418		
2,900.0	2,833.4	2,719.3	2,546.8	9.5	18.1	-28.91	-716.0	584.4	646.3	630.8	15.50	41.699		
3,000.0	2,921.9	2,817.3	2,634.6	10.3	19.0	-30.58	-747.2	615.1	650.6	634.0	16.61	39.164		
3,100.0	3,010.3	2,915.4	2,722.3	11.2	19.9	-32.23	-778.5	645.7	655.4	637.6	17.80	36.814		
3,200.0	3,098.8	3,013.4	2,810.0	12.1	20.9	-33.85	-809.8	676.4	660.9	641.8	19.07	34.648		
3,300.0	3,187.2	3,111.4	2,897.7	12.9	21.8	-35.45	-841.0	707.0	666.8	646.4	20.42	32.660		
3,400.0	3,275.7	3,209.5	2,985.4	13.8	22.7	-37.02	-872.3	737.7	673.3	651.5	21.83	30.841		
3,500.0	3,364.2	3,307.5	3,073.1	14.7	23.7	-38.56	-903.5	768.3	680.3	657.0	23.31	29.182		
3,600.0	3,452.6	3,405.5	3,160.8	15.6	24.6	-40.07	-934.8	799.0	687.8	662.9	24.86	27.671		
3,700.0	3,541.1	3,503.6	3,248.5	16.6	25.5	-41.55	-966.1	829.7	695.8	669.3	26.46	26.297		
3,800.0	3,629.5	3,601.6	3,336.3	17.5	26.5	-42.99	-997.3	860.3	704.2	676.1	28.11	25.049		
3,900.0	3,718.0	3,699.6	3,424.0	18.4	27.4	-44.40	-1,028.6	891.0	713.1	683.3	29.82	23.915		
4,000.0	3,806.5	3,797.6	3,511.7	19.3	28.4	-45.77	-1,059.9	921.6	722.4	690.8	31.57	22.885		
4,100.0	3,894.9	3,895.7	3,599.4	20.2	29.3	-47.11	-1,091.1	952.3	732.1	698.8	33.36	21.949		
4,200.0	3,983.4	3,993.7	3,687.1	21.2	30.2	-48.42	-1,122.4	982.9	742.2	707.1	35.18	21.097		
4,300.0	4,071.8	4,091.7	3,774.8	22.1	31.2	-49.69	-1,153.6	1,013.6	752.8	715.7	37.04	20.322		
4,400.0	4,160.3	4,189.8	3,862.5	23.0	32.1	-50.92	-1,184.9	1,044.2	763.6	724.7	38.93	19.615		
4,500.0	4,248.8	4,287.8	3,950.2	24.0	33.0	-52.12	-1,216.2	1,074.9	774.9	734.0	40.85	18.971		
4,600.0	4,337.2	4,385.8	4,037.9	24.9	34.0	-53.29	-1,247.4	1,105.5	786.4	743.6	42.78	18.382		
4,700.0	4,425.7	4,483.9	4,125.7	25.8	34.9	-54.42	-1,278.7	1,136.2	798.3	753.6	44.74	17.843		
4,800.0	4,514.1	4,581.9	4,213.4	26.8	35.8	-55.52	-1,309.9	1,166.8	810.5	763.8	46.71	17.350		
4,900.0	4,602.6	4,679.9	4,301.1	27.7	36.8	-56.59	-1,341.2	1,197.5	823.0	774.3	48.70	16.897		
5,000.0	4,691.1	4,778.0	4,388.8	28.6	37.7	-57.63	-1,372.5	1,228.1	835.7	785.0	50.71	16.481		

Company:	Synergy Resources	Local Co-ordinate Reference:	Well SRC Vista 12-2CHZ
Project:	SEC.2-T4N-R68W	TVD Reference:	WELL @ 5013.0ft (Original Well Elev)
Reference Site:	SRC Vista (N/S) Pad Sec.2-T4N-R68W	MD Reference:	WELL @ 5013.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	SRC Vista 12-2CHZ	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 (11-07-14)	Offset TVD Reference:	Offset Datum

Offset Design												Offset Site Error:	0.0 ft
SRC Vista (N/S) Pad Sec.2-T4N-R68W - SRC Vista M-2CHZ - Wellbore #1 - Plan #1 (11-10-14)												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
5,100.0	4,779.5	4,876.0	4,476.5	29.6	38.7	-58.64	-1,403.7	1,258.8	848.8	796.0	52.72	16.099	
5,200.0	4,868.0	4,974.0	4,564.2	30.5	39.6	-59.61	-1,435.0	1,289.4	862.0	807.3	54.75	15.746	
5,300.0	4,956.4	5,072.1	4,651.9	31.4	40.5	-60.56	-1,466.2	1,320.1	875.6	818.8	56.78	15.421	
5,400.0	5,044.9	5,170.1	4,739.6	32.4	41.5	-61.48	-1,497.5	1,350.7	889.3	830.5	58.81	15.121	
5,500.0	5,133.4	5,268.1	4,827.4	33.3	42.4	-62.37	-1,528.8	1,381.4	903.3	842.5	60.86	14.843	
5,600.0	5,221.8	5,366.2	4,915.1	34.3	43.3	-63.23	-1,560.0	1,412.0	917.5	854.6	62.90	14.586	
5,700.0	5,310.3	5,464.2	5,002.8	35.2	44.3	-64.07	-1,591.3	1,442.7	931.9	866.9	64.95	14.348	
5,800.0	5,398.7	5,562.2	5,090.5	36.1	45.2	-64.89	-1,622.5	1,473.3	946.5	879.5	67.00	14.126	
5,900.0	5,487.2	5,660.2	5,178.2	37.1	46.2	-65.67	-1,653.8	1,504.0	961.3	892.2	69.05	13.921	
6,000.0	5,575.6	5,758.3	5,265.9	38.0	47.1	-66.44	-1,685.1	1,534.6	976.2	905.1	71.11	13.729	
6,100.0	5,664.1	5,856.3	5,353.6	39.0	48.0	-67.18	-1,716.3	1,565.3	991.3	918.2	73.16	13.551 SF	

Company:	Synergy Resources	Local Co-ordinate Reference:	Well SRC Vista 12-2CHZ
Project:	SEC.2-T4N-R68W	TVD Reference:	WELL @ 5013.0ft (Original Well Elev)
Reference Site:	SRC Vista (N/S) Pad Sec.2-T4N-R68W	MD Reference:	WELL @ 5013.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	SRC Vista 12-2CHZ	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 (11-07-14)	Offset TVD Reference:	Offset Datum

Offset Design SRC Vista (N/S) Pad Sec.2-T4N-R68W - SRC Vista M-2NHZ - Wellbore #1 - Plan #1 (11-10-14)													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 (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	-100.2	0.0	100.2					
100.0	100.0	100.0	100.0	0.1	0.1	180.00	-100.2	0.0	100.2	100.0	0.22	445.748		
200.0	200.0	200.0	200.0	0.3	0.3	180.00	-100.2	0.0	100.2	99.5	0.67	148.583		
300.0	300.0	300.0	300.0	0.6	0.6	180.00	-100.2	0.0	100.2	99.1	1.12	89.150		
400.0	400.0	400.0	400.0	0.8	0.8	180.00	-100.2	0.0	100.2	98.6	1.57	63.678 CC, ES		
500.0	500.0	497.4	497.4	1.0	1.0	179.39	-101.4	1.1	101.5	99.5	2.00	50.857		
600.0	600.0	594.5	594.4	1.2	1.2	177.66	-105.2	4.3	105.4	103.0	2.41	43.691		
700.0	700.0	691.2	690.7	1.5	1.4	175.05	-111.4	9.6	112.2	109.4	2.85	39.348		
800.0	800.0	787.3	786.1	1.7	1.6	171.92	-120.0	17.0	122.0	118.7	3.31	36.831		
900.0	900.0	882.5	880.2	1.9	1.9	168.59	-130.9	26.4	135.0	131.2	3.79	35.584		
1,000.0	1,000.0	976.6	972.7	2.1	2.3	165.34	-144.0	37.7	151.4	147.1	4.29	35.247		
1,100.0	1,100.0	1,069.5	1,063.4	2.4	2.6	162.32	-159.2	50.7	171.1	166.3	4.81	35.573		
1,200.0	1,200.0	1,160.9	1,152.0	2.6	3.1	159.63	-176.4	65.5	194.2	188.8	5.34	36.384		
1,300.0	1,300.0	1,250.8	1,238.4	2.8	3.6	157.29	-195.3	81.7	220.5	214.6	5.87	37.546		
1,400.0	1,400.0	1,339.0	1,322.3	3.0	4.1	155.27	-215.9	99.4	250.0	243.6	6.42	38.962		
1,500.0	1,500.0	1,425.9	1,404.1	3.2	4.6	-6.93	-238.0	118.5	281.0	274.4	6.56	42.833		
1,600.0	1,599.8	1,512.0	1,484.3	3.4	5.2	-8.45	-261.8	138.9	311.7	304.7	6.98	44.647		
1,700.0	1,699.5	1,600.0	1,565.2	3.6	5.9	-9.88	-288.0	161.4	342.2	334.7	7.42	46.109		
1,800.0	1,798.7	1,681.7	1,639.4	3.8	6.6	-11.12	-314.0	183.8	372.3	364.5	7.85	47.410		
1,900.0	1,897.5	1,765.4	1,714.3	4.0	7.4	-12.33	-342.3	208.1	402.3	393.9	8.30	48.445		
2,000.0	1,995.6	1,856.4	1,794.8	4.3	8.2	-13.58	-374.5	235.7	431.3	422.5	8.79	49.080		
2,100.0	2,093.1	1,952.3	1,879.5	4.6	9.1	-14.84	-408.6	265.0	457.6	448.3	9.30	49.217		
2,200.0	2,189.6	2,049.0	1,965.0	5.0	10.1	-16.07	-442.9	294.5	480.8	471.0	9.83	48.919		
2,300.0	2,285.3	2,146.2	2,050.9	5.4	11.0	-17.30	-477.4	324.1	501.0	490.6	10.39	48.231		
2,400.0	2,379.8	2,244.0	2,137.3	5.9	12.0	-18.56	-512.1	354.0	518.2	507.3	10.98	47.188		
2,500.0	2,473.2	2,342.1	2,224.0	6.5	12.9	-19.87	-546.9	383.9	532.5	520.9	11.62	45.821		
2,600.0	2,565.2	2,440.5	2,311.0	7.1	13.9	-21.25	-581.8	413.9	543.8	531.5	12.32	44.153		
2,700.0	2,655.8	2,539.0	2,398.1	7.8	14.9	-22.72	-616.8	444.0	552.3	539.2	13.08	42.207		
2,789.9	2,736.0	2,627.6	2,476.4	8.5	15.7	-24.14	-648.2	471.0	557.5	543.6	13.85	40.241		
2,800.0	2,744.9	2,637.6	2,485.2	8.6	15.8	-24.31	-651.8	474.0	558.0	544.0	13.95	39.994		
2,900.0	2,833.4	2,736.1	2,572.2	9.5	16.8	-25.97	-686.7	504.1	562.8	547.9	14.96	37.629		
3,000.0	2,921.9	2,834.6	2,659.3	10.3	17.8	-27.59	-721.7	534.1	568.2	552.2	16.04	35.423		
3,100.0	3,010.3	2,933.2	2,746.4	11.2	18.8	-29.19	-756.7	564.2	574.0	556.8	17.20	33.375		
3,200.0	3,098.8	3,031.7	2,833.4	12.1	19.7	-30.75	-791.6	594.2	580.3	561.9	18.43	31.484		
3,300.0	3,187.2	3,130.2	2,920.5	12.9	20.7	-32.29	-826.6	624.3	587.0	567.2	19.73	29.746		
3,400.0	3,275.7	3,228.7	3,007.6	13.8	21.7	-33.78	-861.6	654.3	594.1	573.0	21.10	28.152		
3,500.0	3,364.2	3,327.3	3,094.7	14.7	22.7	-35.24	-896.5	684.4	601.6	579.1	22.54	26.695		
3,600.0	3,452.6	3,425.8	3,181.7	15.6	23.7	-36.67	-931.5	714.4	609.5	585.5	24.03	25.365		
3,700.0	3,541.1	3,524.3	3,268.8	16.6	24.6	-38.05	-966.5	744.5	617.8	592.2	25.58	24.153		
3,800.0	3,629.5	3,622.8	3,355.9	17.5	25.6	-39.40	-1,001.4	774.5	626.4	599.2	27.18	23.048		
3,900.0	3,718.0	3,721.4	3,442.9	18.4	26.6	-40.72	-1,036.4	804.6	635.4	606.6	28.83	22.042		
4,000.0	3,806.5	3,819.9	3,530.0	19.3	27.6	-42.00	-1,071.4	834.6	644.7	614.2	30.52	21.126		
4,100.0	3,894.9	3,918.4	3,617.1	20.2	28.6	-43.24	-1,106.3	864.7	654.3	622.1	32.25	20.290		
4,200.0	3,983.4	4,016.9	3,704.1	21.2	29.5	-44.44	-1,141.3	894.7	664.3	630.2	34.02	19.528		
4,300.0	4,071.8	4,115.4	3,791.2	22.1	30.5	-45.61	-1,176.3	924.8	674.5	638.7	35.82	18.832		
4,400.0	4,160.3	4,214.0	3,878.3	23.0	31.5	-46.75	-1,211.3	954.8	685.0	647.3	37.65	18.195		
4,500.0	4,248.8	4,312.5	3,965.4	24.0	32.5	-47.85	-1,246.2	984.9	695.7	656.2	39.50	17.612		
4,600.0	4,337.2	4,411.0	4,052.4	24.9	33.5	-48.92	-1,281.2	1,014.9	706.7	665.3	41.38	17.078		
4,700.0	4,425.7	4,509.5	4,139.5	25.8	34.4	-49.96	-1,316.2	1,045.0	718.0	674.7	43.28	16.588		
4,800.0	4,514.1	4,608.1	4,226.6	26.8	35.4	-50.96	-1,351.1	1,075.0	729.4	684.2	45.20	16.137		
4,900.0	4,602.6	4,706.6	4,313.6	27.7	36.4	-51.93	-1,386.1	1,105.1	741.1	694.0	47.14	15.722		
5,000.0	4,691.1	4,805.1	4,400.7	28.6	37.4	-52.88	-1,421.1	1,135.1	753.0	703.9	49.09	15.339		

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 Vista 12-2CHZ
Project:	SEC.2-T4N-R68W	TVD Reference:	WELL @ 5013.0ft (Original Well Elev)
Reference Site:	SRC Vista (N/S) Pad Sec.2-T4N-R68W	MD Reference:	WELL @ 5013.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	SRC Vista 12-2CHZ	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 (11-07-14)	Offset TVD Reference:	Offset Datum

Offset Design												Offset Site Error:	0.0 ft
SRC Vista (N/S) Pad Sec.2-T4N-R68W - SRC Vista M-2NHZ - Wellbore #1 - Plan #1 (11-10-14)												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
5,100.0	4,779.5	4,903.6	4,487.8	29.6	38.4	-53.79	-1,456.0	1,165.2	765.1	714.1	51.06	14.985	
5,200.0	4,868.0	5,002.2	4,574.9	30.5	39.4	-54.68	-1,491.0	1,195.2	777.4	724.4	53.03	14.658	
5,300.0	4,956.4	5,100.7	4,661.9	31.4	40.3	-55.53	-1,526.0	1,225.3	789.9	734.8	55.02	14.356	
5,400.0	5,044.9	5,199.2	4,749.0	32.4	41.3	-56.37	-1,560.9	1,255.3	802.5	745.5	57.02	14.075	
5,500.0	5,133.4	5,297.7	4,836.1	33.3	42.3	-57.17	-1,595.9	1,285.4	815.3	756.3	59.02	13.814	
5,600.0	5,221.8	5,396.3	4,923.1	34.3	43.3	-57.95	-1,630.9	1,315.4	828.3	767.2	61.03	13.571	
5,700.0	5,310.3	5,494.8	5,010.2	35.2	44.3	-58.71	-1,665.8	1,345.5	841.4	778.3	63.04	13.345	
5,800.0	5,398.7	5,593.3	5,097.3	36.1	45.3	-59.45	-1,700.8	1,375.5	854.6	789.5	65.06	13.135	
5,900.0	5,487.2	5,691.8	5,184.4	37.1	46.2	-60.16	-1,735.8	1,405.6	868.0	800.9	67.09	12.938	
6,000.0	5,575.6	5,790.4	5,271.4	38.0	47.2	-60.85	-1,770.7	1,435.6	881.5	812.4	69.12	12.754	
6,100.0	5,664.1	5,888.9	5,358.5	39.0	48.2	-61.52	-1,805.7	1,465.7	895.1	824.0	71.14	12.582	
6,200.0	5,752.6	5,987.4	5,445.6	39.9	49.2	-62.17	-1,840.7	1,495.7	908.9	835.7	73.18	12.420	
6,300.0	5,841.0	6,085.9	5,532.6	40.8	50.2	-62.80	-1,875.6	1,525.8	922.7	847.5	75.21	12.269	
6,400.0	5,929.5	6,184.5	5,619.7	41.8	51.2	-63.41	-1,910.6	1,555.8	936.7	859.5	77.24	12.127	
6,500.0	6,017.9	6,283.0	5,706.8	42.7	52.1	-64.01	-1,945.6	1,585.9	950.8	871.5	79.28	11.993	
6,600.0	6,106.4	6,381.5	5,793.9	43.7	53.1	-64.58	-1,980.5	1,615.9	965.0	883.6	81.31	11.867	
6,709.8	6,203.6	6,489.7	5,889.5	44.7	54.2	-65.20	-2,018.9	1,648.9	980.6	897.1	83.55	11.737	
6,750.0	6,239.6	6,529.4	5,924.5	45.0	54.6	-63.31	-2,033.0	1,661.0	986.4	901.9	84.59	11.662	
6,800.0	6,285.6	6,578.8	5,968.2	45.3	55.1	-59.78	-2,050.6	1,676.1	993.8	908.2	85.67	11.601 SF	

Company: Synergy Resources
Project: SEC.2-T4N-R68W
Reference Site: SRC Vista (N/S) Pad Sec.2-T4N-R68W
Site Error: 0.0ft
Reference Well: SRC Vista 12-2CHZ
Well Error: 0.0ft
Reference Wellbore: Wellbore #1
Reference Design: Plan #1 (11-07-14)

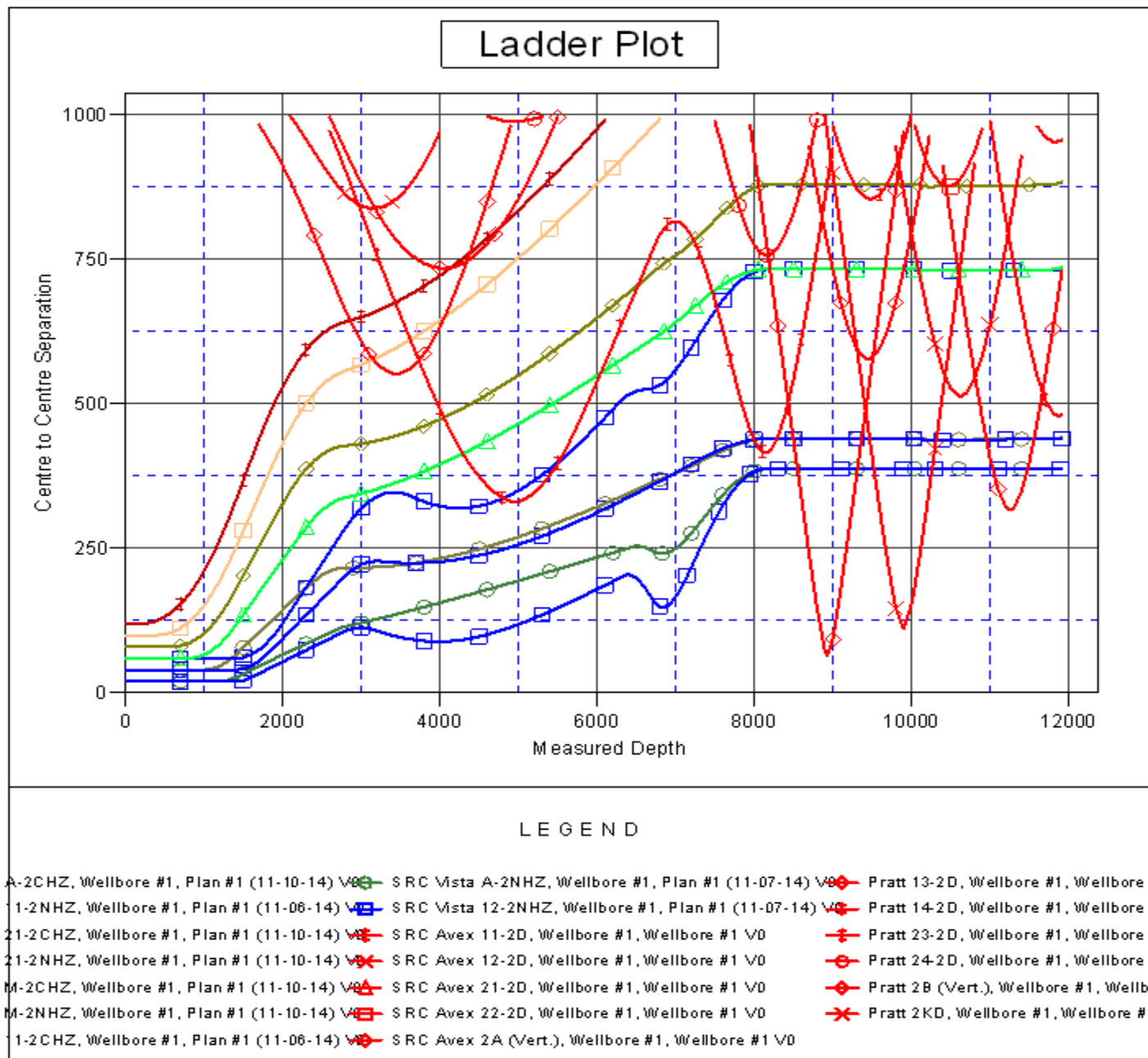
Local Co-ordinate Reference: Well SRC Vista 12-2CHZ
TVD Reference: WELL @ 5013.0ft (Original Well Elev)
MD Reference: WELL @ 5013.0ft (Original Well Elev)
North Reference: True
Survey Calculation Method: Minimum Curvature
Output errors are at 2.00 sigma
Database: Landmark
Offset TVD Reference: Offset Datum

Reference Depths are relative to WELL @ 5013.0ft (Original Well Elev) Coordinates are relative to: SRC Vista 12-2CHZ

Offset Depths are relative to Offset Datum

Coordinate System is US State Plane 1983, Colorado Northern Zone

Grid Convergence at Surface is: 0.34°



Company:	Synergy Resources	Local Co-ordinate Reference:	Well SRC Vista 12-2CHZ
Project:	SEC.2-T4N-R68W	TVD Reference:	WELL @ 5013.0ft (Original Well Elev)
Reference Site:	SRC Vista (N/S) Pad Sec.2-T4N-R68W	MD Reference:	WELL @ 5013.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	SRC Vista 12-2CHZ	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 (11-07-14)	Offset TVD Reference:	Offset Datum

Reference Depths are relative to WELL @ 5013.0ft (Original Well Elev) Coordinates are relative to: SRC Vista 12-2CHZ
 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: 0.34°

