

Synergy Resources

Well Name: **SRC Vista 44-2C**

Surface Location: SRC Vista Pad Sec.2-T4N-R68W

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

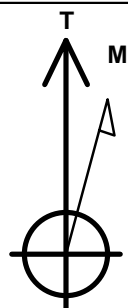
Ground Elevation: 5000.0

+N/-S +E/-W Northing Easting Latitude Longitude Slot
0.0 0.0 1367556.81 3145255.45 40.341173 -104.978905

Ensign 131 RKB - 13.5' WELL @ 5013.5ft (Ensign 131 RKB - 13.5')

DESIGN TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Shape
SHL 2063'FSL & 254'FWL	1.0	0.0	0.0	Point
BHL 755'FSL & 460'FEL	7220.0	-1268.1	4591.5	Point



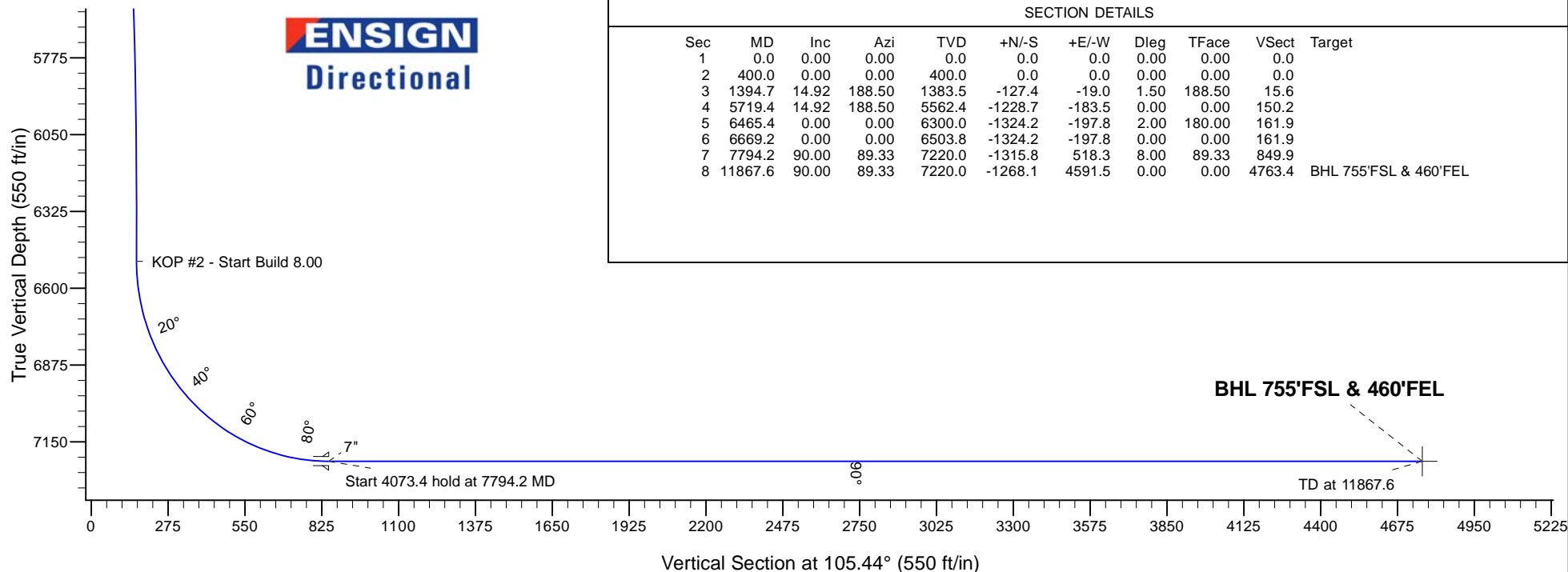
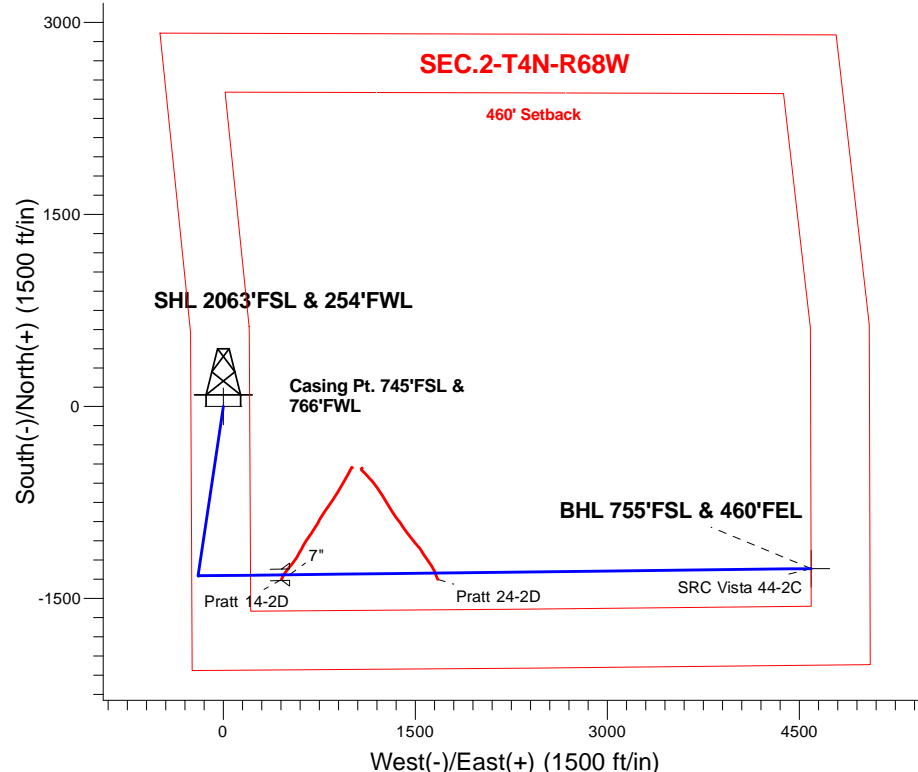
Azimuths to True North
Magnetic North: 8.53°

Magnetic Field
Strength: 52730.8snT
Dip Angle: 66.86°
Date: 9/26/2014
Model: IGRF2010

SRC Vista Pad Sec.2-T4N-R68W
SRC Vista 44-2C
Plan #2 (9-21-15)
18:16, September 21 2015

ANNOTATIONS

TVD	MD	Annotation
400.0	400.0	KOP - Start Build 1.50
5562.4	5719.4	Start Drop -2.00
6503.8	6669.2	KOP #2 - Start Build 8.00
7220.0	7794.2	Start 4073.4 hold at 7794.2 MD
7220.0	11867.6	TD at 11867.6



SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	Vsect	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	400.0	0.00	0.00	400.0	0.0	0.0	0.00	0.00	0.0	
3	1394.7	14.92	188.50	1383.5	-127.4	-19.0	1.50	188.50	15.6	
4	5719.4	14.92	188.50	5562.4	-1228.7	-183.5	0.00	0.00	150.2	
5	6465.4	0.00	0.00	6300.0	-1324.2	-197.8	2.00	180.00	161.9	
6	6669.2	0.00	0.00	6503.8	-1324.2	-197.8	0.00	0.00	161.9	
7	7794.2	90.00	89.33	7220.0	-1315.8	518.3	8.00	89.33	849.9	
8	11867.6	90.00	89.33	7220.0	-1268.1	4591.5	0.00	0.00	4763.4	BHL 755'FSL & 460'FEL



Directional

Synergy Resources

SEC.2-T4N-R68W

SRC Vista Pad Sec.2-T4N-R68W

SRC Vista 44-2C

Wellbore #1

Plan: Plan #2 (9-21-15)

Standard Planning Report

21 September, 2015



Database:	US_EDM	Local Co-ordinate Reference:	Well SRC Vista 44-2C
Company:	Synergy Resources	TVD Reference:	WELL @ 5013.5ft (Ensign 131 RKB - 13.5')
Project:	SEC.2-T4N-R68W	MD Reference:	WELL @ 5013.5ft (Ensign 131 RKB - 13.5')
Site:	SRC Vista Pad Sec.2-T4N-R68W	North Reference:	True
Well:	SRC Vista 44-2C	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan #2 (9-21-15)		

Project	SEC.2-T4N-R68W, Weld County, Colorad		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		Using Well Reference Point
Map Zone:	Colorado Northern Zone		Using geodetic scale factor

Site	SRC Vista Pad Sec.2-T4N-R68W			
Site Position:		Northing:	1,367,536.80 usft	Latitude: 40.341118
From:	Lat/Long	Easting:	3,145,255.85 usft	Longitude: -104.978904
Position Uncertainty:	0.0 ft	Slot Radius:	13-3/16 "	Grid Convergence: 0.34 °

Well	SRC Vista 44-2C			
Well Position	+N/-S	20.0 ft	Northing:	1,367,556.81 usft
	+E/-W	-0.3 ft	Easting:	3,145,255.45 usft
Position Uncertainty		0.0 ft	Wellhead Elevation:	Ground Level: 5,000.0 ft

Wellbore	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	9/26/2014	8.53	66.86	52,731

Design	Plan #2 (9-21-15)			
Audit Notes:				
Version:	Phase:	PROTOTYPE	Tie On Depth:	0.0
Vertical Section:	Depth From (TVD)	+N/-S	+E/-W	Direction
	(ft)	(ft)	(ft)	(°)
	0.0	0.0	0.0	105.44

Plan Sections										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	TFO (°)	Target
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
400.0	0.00	0.00	400.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,394.7	14.92	188.50	1,383.5	-127.4	-19.0	1.50	1.50	0.00	188.50	
5,719.4	14.92	188.50	5,562.4	-1,228.7	-183.5	0.00	0.00	0.00	0.00	
6,465.4	0.00	0.00	6,300.0	-1,324.2	-197.8	2.00	-2.00	0.00	180.00	
6,669.2	0.00	0.00	6,503.8	-1,324.2	-197.8	0.00	0.00	0.00	0.00	
7,794.2	90.00	89.33	7,220.0	-1,315.8	518.3	8.00	8.00	0.00	89.33	
11,867.6	90.00	89.33	7,220.0	-1,268.1	4,591.5	0.00	0.00	0.00	0.00	BHL 755'FSL & 460'F

Database:	US_EDM	Local Co-ordinate Reference:	Well SRC Vista 44-2C
Company:	Synergy Resources	TVD Reference:	WELL @ 5013.5ft (Ensign 131 RKB - 13.5')
Project:	SEC.2-T4N-R68W	MD Reference:	WELL @ 5013.5ft (Ensign 131 RKB - 13.5')
Site:	SRC Vista Pad Sec.2-T4N-R68W	North Reference:	True
Well:	SRC Vista 44-2C	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan #2 (9-21-15)		

Planned Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
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 2063'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
KOP - Start Build 1.50									
500.0	1.50	188.50	500.0	-1.3	-0.2	0.2	1.50	1.50	0.00
600.0	3.00	188.50	599.9	-5.2	-0.8	0.6	1.50	1.50	0.00
700.0	4.50	188.50	699.7	-11.6	-1.7	1.4	1.50	1.50	0.00
800.0	6.00	188.50	799.3	-20.7	-3.1	2.5	1.50	1.50	0.00
900.0	7.50	188.50	898.6	-32.3	-4.8	4.0	1.50	1.50	0.00
1,000.0	9.00	188.50	997.5	-46.5	-6.9	5.7	1.50	1.50	0.00
1,100.0	10.50	188.50	1,096.1	-63.3	-9.4	7.7	1.50	1.50	0.00
1,200.0	12.00	188.50	1,194.2	-82.6	-12.3	10.1	1.50	1.50	0.00
1,300.0	13.50	188.50	1,291.7	-104.4	-15.6	12.8	1.50	1.50	0.00
1,394.7	14.92	188.50	1,383.5	-127.4	-19.0	15.6	1.50	1.50	0.00
1,400.0	14.92	188.50	1,388.6	-128.7	-19.2	15.7	0.00	0.00	0.00
1,500.0	14.92	188.50	1,485.2	-154.2	-23.0	18.8	0.00	0.00	0.00
1,600.0	14.92	188.50	1,581.9	-179.7	-26.8	22.0	0.00	0.00	0.00
1,700.0	14.92	188.50	1,678.5	-205.1	-30.6	25.1	0.00	0.00	0.00
1,800.0	14.92	188.50	1,775.1	-230.6	-34.4	28.2	0.00	0.00	0.00
1,900.0	14.92	188.50	1,871.8	-256.0	-38.2	31.3	0.00	0.00	0.00
2,000.0	14.92	188.50	1,968.4	-281.5	-42.1	34.4	0.00	0.00	0.00
2,100.0	14.92	188.50	2,065.0	-307.0	-45.9	37.5	0.00	0.00	0.00
2,200.0	14.92	188.50	2,161.6	-332.4	-49.7	40.6	0.00	0.00	0.00
2,300.0	14.92	188.50	2,258.3	-357.9	-53.5	43.7	0.00	0.00	0.00
2,400.0	14.92	188.50	2,354.9	-383.4	-57.3	46.9	0.00	0.00	0.00
2,500.0	14.92	188.50	2,451.5	-408.8	-61.1	50.0	0.00	0.00	0.00
2,600.0	14.92	188.50	2,548.2	-434.3	-64.9	53.1	0.00	0.00	0.00
2,700.0	14.92	188.50	2,644.8	-459.8	-68.7	56.2	0.00	0.00	0.00
2,800.0	14.92	188.50	2,741.4	-485.2	-72.5	59.3	0.00	0.00	0.00
2,900.0	14.92	188.50	2,838.0	-510.7	-76.3	62.4	0.00	0.00	0.00
3,000.0	14.92	188.50	2,934.7	-536.2	-80.1	65.5	0.00	0.00	0.00
3,100.0	14.92	188.50	3,031.3	-561.6	-83.9	68.6	0.00	0.00	0.00
3,200.0	14.92	188.50	3,127.9	-587.1	-87.7	71.8	0.00	0.00	0.00
3,300.0	14.92	188.50	3,224.6	-612.6	-91.5	74.9	0.00	0.00	0.00
3,400.0	14.92	188.50	3,321.2	-638.0	-95.3	78.0	0.00	0.00	0.00
3,500.0	14.92	188.50	3,417.8	-663.5	-99.1	81.1	0.00	0.00	0.00
3,600.0	14.92	188.50	3,514.4	-689.0	-102.9	84.2	0.00	0.00	0.00
3,700.0	14.92	188.50	3,611.1	-714.4	-106.7	87.3	0.00	0.00	0.00
3,800.0	14.92	188.50	3,707.7	-739.9	-110.5	90.4	0.00	0.00	0.00
3,900.0	14.92	188.50	3,804.3	-765.4	-114.3	93.6	0.00	0.00	0.00
4,000.0	14.92	188.50	3,901.0	-790.8	-118.1	96.7	0.00	0.00	0.00
4,100.0	14.92	188.50	3,997.6	-816.3	-121.9	99.8	0.00	0.00	0.00
4,200.0	14.92	188.50	4,094.2	-841.8	-125.7	102.9	0.00	0.00	0.00
4,300.0	14.92	188.50	4,190.8	-867.2	-129.5	106.0	0.00	0.00	0.00
4,400.0	14.92	188.50	4,287.5	-892.7	-133.3	109.1	0.00	0.00	0.00
4,500.0	14.92	188.50	4,384.1	-918.1	-137.1	112.2	0.00	0.00	0.00
4,600.0	14.92	188.50	4,480.7	-943.6	-141.0	115.3	0.00	0.00	0.00
4,700.0	14.92	188.50	4,577.4	-969.1	-144.8	118.5	0.00	0.00	0.00
4,800.0	14.92	188.50	4,674.0	-994.5	-148.6	121.6	0.00	0.00	0.00
4,900.0	14.92	188.50	4,770.6	-1,020.0	-152.4	124.7	0.00	0.00	0.00

Database:	US_EDM	Local Co-ordinate Reference:	Well SRC Vista 44-2C
Company:	Synergy Resources	TVD Reference:	WELL @ 5013.5ft (Ensign 131 RKB - 13.5')
Project:	SEC.2-T4N-R68W	MD Reference:	WELL @ 5013.5ft (Ensign 131 RKB - 13.5')
Site:	SRC Vista Pad Sec.2-T4N-R68W	North Reference:	True
Well:	SRC Vista 44-2C	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan #2 (9-21-15)		

Planned Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
5,000.0	14.92	188.50	4,867.2	-1,045.5	-156.2	127.8	0.00	0.00	0.00
5,100.0	14.92	188.50	4,963.9	-1,070.9	-160.0	130.9	0.00	0.00	0.00
5,200.0	14.92	188.50	5,060.5	-1,096.4	-163.8	134.0	0.00	0.00	0.00
5,300.0	14.92	188.50	5,157.1	-1,121.9	-167.6	137.1	0.00	0.00	0.00
5,400.0	14.92	188.50	5,253.8	-1,147.3	-171.4	140.2	0.00	0.00	0.00
5,500.0	14.92	188.50	5,350.4	-1,172.8	-175.2	143.4	0.00	0.00	0.00
5,600.0	14.92	188.50	5,447.0	-1,198.3	-179.0	146.5	0.00	0.00	0.00
5,700.0	14.92	188.50	5,543.6	-1,223.7	-182.8	149.6	0.00	0.00	0.00
5,719.4	14.92	188.50	5,562.4	-1,228.7	-183.5	150.2	0.00	0.00	0.00
Start Drop -2.00									
5,800.0	13.31	188.50	5,640.5	-1,248.1	-186.4	152.6	2.00	-2.00	0.00
5,900.0	11.31	188.50	5,738.2	-1,269.2	-189.6	155.1	2.00	-2.00	0.00
6,000.0	9.31	188.50	5,836.6	-1,286.9	-192.2	157.3	2.00	-2.00	0.00
6,100.0	7.31	188.50	5,935.6	-1,301.2	-194.4	159.0	2.00	-2.00	0.00
6,200.0	5.31	188.50	6,035.0	-1,312.0	-196.0	160.4	2.00	-2.00	0.00
6,300.0	3.31	188.50	6,134.7	-1,319.5	-197.1	161.3	2.00	-2.00	0.00
6,400.0	1.31	188.50	6,234.6	-1,323.5	-197.7	161.8	2.00	-2.00	0.00
6,465.4	0.00	0.00	6,300.0	-1,324.2	-197.8	161.9	2.00	-2.00	0.00
6,500.0	0.00	0.00	6,334.6	-1,324.2	-197.8	161.9	0.00	0.00	0.00
6,600.0	0.00	0.00	6,434.6	-1,324.2	-197.8	161.9	0.00	0.00	0.00
6,669.2	0.00	0.00	6,503.8	-1,324.2	-197.8	161.9	0.00	0.00	0.00
KOP #2 - Start Build 8.00									
6,700.0	2.46	89.33	6,534.6	-1,324.2	-197.1	162.5	7.99	7.99	0.00
6,800.0	10.46	89.33	6,633.9	-1,324.1	-185.9	173.3	8.00	8.00	0.00
6,900.0	18.46	89.33	6,730.6	-1,323.8	-160.9	197.3	8.00	8.00	0.00
7,000.0	26.46	89.33	6,822.9	-1,323.3	-122.8	234.0	8.00	8.00	0.00
7,100.0	34.46	89.33	6,909.1	-1,322.7	-72.1	282.6	8.00	8.00	0.00
7,200.0	42.46	89.33	6,987.3	-1,322.0	-10.0	342.3	8.00	8.00	0.00
7,300.0	50.46	89.33	7,056.1	-1,321.2	62.5	411.9	8.00	8.00	0.00
7,400.0	58.46	89.33	7,114.2	-1,320.2	143.8	490.0	8.00	8.00	0.00
7,500.0	66.46	89.33	7,160.4	-1,319.2	232.4	575.1	8.00	8.00	0.00
7,600.0	74.46	89.33	7,193.8	-1,318.1	326.5	665.6	8.00	8.00	0.00
7,700.0	82.46	89.33	7,213.8	-1,316.9	424.4	759.7	8.00	8.00	0.00
7,794.2	90.00	89.33	7,220.0	-1,315.8	518.3	849.9	8.00	8.00	0.00
Start 4073.4 hold at 7794.2 MD - 7"									
7,800.0	90.00	89.33	7,220.0	-1,315.7	524.1	855.5	0.03	0.03	0.00
7,900.0	90.00	89.33	7,220.0	-1,314.6	624.1	951.6	0.00	0.00	0.00
8,000.0	90.00	89.33	7,220.0	-1,313.4	724.1	1,047.6	0.00	0.00	0.00
8,100.0	90.00	89.33	7,220.0	-1,312.2	824.1	1,143.7	0.00	0.00	0.00
8,200.0	90.00	89.33	7,220.0	-1,311.1	924.1	1,239.8	0.00	0.00	0.00
8,300.0	90.00	89.33	7,220.0	-1,309.9	1,024.1	1,335.8	0.00	0.00	0.00
8,400.0	90.00	89.33	7,220.0	-1,308.7	1,124.1	1,431.9	0.00	0.00	0.00
8,500.0	90.00	89.33	7,220.0	-1,307.5	1,224.1	1,528.0	0.00	0.00	0.00
8,600.0	90.00	89.33	7,220.0	-1,306.4	1,324.1	1,624.1	0.00	0.00	0.00
8,700.0	90.00	89.33	7,220.0	-1,305.2	1,424.1	1,720.1	0.00	0.00	0.00
8,800.0	90.00	89.33	7,220.0	-1,304.0	1,524.1	1,816.2	0.00	0.00	0.00
8,900.0	90.00	89.33	7,220.0	-1,302.9	1,624.1	1,912.3	0.00	0.00	0.00
9,000.0	90.00	89.33	7,220.0	-1,301.7	1,724.0	2,008.4	0.00	0.00	0.00
9,100.0	90.00	89.33	7,220.0	-1,300.5	1,824.0	2,104.4	0.00	0.00	0.00
9,200.0	90.00	89.33	7,220.0	-1,299.3	1,924.0	2,200.5	0.00	0.00	0.00
9,300.0	90.00	89.33	7,220.0	-1,298.2	2,024.0	2,296.6	0.00	0.00	0.00
9,400.0	90.00	89.33	7,220.0	-1,297.0	2,124.0	2,392.6	0.00	0.00	0.00
9,500.0	90.00	89.33	7,220.0	-1,295.8	2,224.0	2,488.7	0.00	0.00	0.00

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Company:	Synergy Resources	TVD Reference:	WELL @ 5013.5ft (Ensign 131 RKB - 13.5')
Project:	SEC.2-T4N-R68W	MD Reference:	WELL @ 5013.5ft (Ensign 131 RKB - 13.5')
Site:	SRC Vista Pad Sec.2-T4N-R68W	North Reference:	True
Well:	SRC Vista 44-2C	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan #2 (9-21-15)		

Planned Survey										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
9,600.0	90.00	89.33	7,220.0	-1,294.6	2,324.0	2,584.8	0.00	0.00	0.00	
9,700.0	90.00	89.33	7,220.0	-1,293.5	2,424.0	2,680.9	0.00	0.00	0.00	
9,800.0	90.00	89.33	7,220.0	-1,292.3	2,524.0	2,776.9	0.00	0.00	0.00	
9,900.0	90.00	89.33	7,220.0	-1,291.1	2,624.0	2,873.0	0.00	0.00	0.00	
10,000.0	90.00	89.33	7,220.0	-1,290.0	2,724.0	2,969.1	0.00	0.00	0.00	
10,100.0	90.00	89.33	7,220.0	-1,288.8	2,824.0	3,065.2	0.00	0.00	0.00	
10,200.0	90.00	89.33	7,220.0	-1,287.6	2,924.0	3,161.2	0.00	0.00	0.00	
10,300.0	90.00	89.33	7,220.0	-1,286.4	3,024.0	3,257.3	0.00	0.00	0.00	
10,400.0	90.00	89.33	7,220.0	-1,285.3	3,123.9	3,353.4	0.00	0.00	0.00	
10,500.0	90.00	89.33	7,220.0	-1,284.1	3,223.9	3,449.4	0.00	0.00	0.00	
10,600.0	90.00	89.33	7,220.0	-1,282.9	3,323.9	3,545.5	0.00	0.00	0.00	
10,700.0	90.00	89.33	7,220.0	-1,281.8	3,423.9	3,641.6	0.00	0.00	0.00	
10,800.0	90.00	89.33	7,220.0	-1,280.6	3,523.9	3,737.7	0.00	0.00	0.00	
10,900.0	90.00	89.33	7,220.0	-1,279.4	3,623.9	3,833.7	0.00	0.00	0.00	
11,000.0	90.00	89.33	7,220.0	-1,278.2	3,723.9	3,929.8	0.00	0.00	0.00	
11,100.0	90.00	89.33	7,220.0	-1,277.1	3,823.9	4,025.9	0.00	0.00	0.00	
11,200.0	90.00	89.33	7,220.0	-1,275.9	3,923.9	4,122.0	0.00	0.00	0.00	
11,300.0	90.00	89.33	7,220.0	-1,274.7	4,023.9	4,218.0	0.00	0.00	0.00	
11,400.0	90.00	89.33	7,220.0	-1,273.6	4,123.9	4,314.1	0.00	0.00	0.00	
11,500.0	90.00	89.33	7,220.0	-1,272.4	4,223.9	4,410.2	0.00	0.00	0.00	
11,600.0	90.00	89.33	7,220.0	-1,271.2	4,323.9	4,506.2	0.00	0.00	0.00	
11,700.0	90.00	89.33	7,220.0	-1,270.0	4,423.9	4,602.3	0.00	0.00	0.00	
11,800.0	90.00	89.33	7,220.0	-1,268.9	4,523.9	4,698.4	0.00	0.00	0.00	
11,867.6	90.00	89.33	7,220.0	-1,268.1	4,591.4	4,763.3	0.00	0.00	0.00	
TD at 11867.6 - BHL 755'FSL & 460'FEL										

Design Targets										
Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (usft)	Easting (usft)	Latitude	Longitude	
- hit/miss target										
- Shape										
SHL 2063'FSL & 254'FW	0.00	0.00	1.0	0.0	0.0	1,367,556.83	3,145,255.45	40.341173	-104.978905	
- plan hits target center										
- Point										
BHL 755'FSL & 460'FEL	0.00	0.00	7,220.0	-1,268.1	4,591.5	1,366,315.79	3,149,854.09	40.337691	-104.962435	
- plan hits target center										
- Point										

Casing Points							Casing Diameter (")	Hole Diameter (")
Measured Depth (ft)	Vertical Depth (ft)	Name						
7,794.2	7,220.0	7"					7	7-1/2

Database:	US_EDM	Local Co-ordinate Reference:	Well SRC Vista 44-2C
Company:	Synergy Resources	TVD Reference:	WELL @ 5013.5ft (Ensign 131 RKB - 13.5')
Project:	SEC.2-T4N-R68W	MD Reference:	WELL @ 5013.5ft (Ensign 131 RKB - 13.5')
Site:	SRC Vista Pad Sec.2-T4N-R68W	North Reference:	True
Well:	SRC Vista 44-2C	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan #2 (9-21-15)		

Plan Annotations				
Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates		Comment
		+N/-S (ft)	+E/-W (ft)	
400.0	400.0	0.0	0.0	KOP - Start Build 1.50
5,719.4	5,562.4	-1,228.7	-183.5	Start Drop -2.00
6,669.2	6,503.8	-1,324.2	-197.8	KOP #2 - Start Build 8.00
7,794.2	7,220.0	-1,315.8	518.3	Start 4073.4 hold at 7794.2 MD
11,867.6	7,220.0	-1,268.1	4,591.4	TD at 11867.6



Directional

Synergy Resources

SEC.2-T4N-R68W

SRC Vista Pad Sec.2-T4N-R68W

SRC Vista 44-2C

Wellbore #1

Plan #2 (9-21-15)

Anticollision Report

21 September, 2015



Company:	Synergy Resources	Local Co-ordinate Reference:	Well SRC Vista 44-2C
Project:	SEC.2-T4N-R68W	TVD Reference:	WELL @ 5013.5ft (Ensign 131 RKB - 13.5')
Reference Site:	SRC Vista Pad Sec.2-T4N-R68W	MD Reference:	WELL @ 5013.5ft (Ensign 131 RKB - 13.5')
Site Error:	0.0 ft	North Reference:	True
Reference Well:	SRC Vista 44-2C	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 ft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	US_EDM
Reference Design:	Plan #2 (9-21-15)	Offset TVD Reference:	Offset Datum

Reference	Plan #2 (9-21-15)		
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 1,000.0 ft	Error Surface:	Elliptical Conic
Warning Levels Evaluated at:	2.00 Sigma	Casing Method:	Not applied

Survey Tool Program	Date 9/21/2015	
From (ft)	To (ft)	Survey (Wellbore)
0.0	11,867.6	Plan #2 (9-21-15) (Wellbore #1)
		Tool Name
		MWD
		Description
		MWD - Standard

Summary						
Site Name	Reference Measured Depth (ft)	Offset Measured Depth (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Separation Factor	Warning
Offset Well - Wellbore - Design						
Pratt 14-2D Pad Sec.2-T4N-R68W						
Pratt 14-2D - Wellbore #1 - Wellbore #1	7,752.7	7,304.5	7.3	-34.6	0.175	Level 1, CC, ES, SF
Pratt 24-2D - Wellbore #1 - Wellbore #1	8,928.3	7,303.8	3.5	-65.7	0.050	Level 1, CC, ES, SF
SRC Vista Pad Sec.2-T4N-R68W						
SRC Vista 43-2C - Wellbore #1 - Plan #2 (9-21-15)	400.0	400.0	120.2	118.7	76.413	CC, ES
SRC Vista 43-2C - Wellbore #1 - Plan #2 (9-21-15)	1,100.0	1,096.1	183.7	179.1	39.523	SF
SRC Vista 43-2N-A - Wellbore #1 - Plan #2 (9-21-15)	400.0	400.0	139.9	138.3	88.920	CC, ES
SRC Vista 43-2N-A - Wellbore #1 - Plan #2 (9-21-15)	1,200.0	1,194.2	222.8	217.7	43.656	SF
SRC Vista 43-2N-C - Wellbore #1 - Plan #2 (9-21-15)	400.0	400.0	100.2	98.6	63.678	CC, ES
SRC Vista 43-2N-C - Wellbore #1 - Plan #2 (9-21-15)	4,700.0	4,668.2	784.3	760.9	33.457	SF
SRC Vista 44-2N-A - Wellbore #1 - Plan #2 (9-21-15)	400.0	400.0	20.0	18.5	12.734	CC, ES
SRC Vista 44-2N-A - Wellbore #1 - Plan #2 (9-21-15)	11,867.6	11,518.7	388.3	232.5	2.492	SF
SRC Vista 44-2N-C - Wellbore #1 - Plan #2 (9-21-15)	200.0	200.0	20.0	19.4	29.706	CC, ES
SRC Vista 44-2N-C - Wellbore #1 - Plan #2 (9-21-15)	11,867.6	11,615.0	411.9	233.4	2.307	SF
SRC Vista D-2C - Wellbore #1 - Plan #2 (9-21-15)	400.0	400.0	60.1	58.5	38.208	CC, ES
SRC Vista D-2C - Wellbore #1 - Plan #2 (9-21-15)	11,867.6	11,756.6	699.8	438.8	2.681	SF
SRC Vista D-2N-A - Wellbore #1 - Plan #2 (9-21-15)	400.0	400.0	80.2	78.6	50.943	CC, ES
SRC Vista D-2N-A - Wellbore #1 - Plan #2 (9-21-15)	11,867.6	11,424.0	880.3	637.3	3.624	SF
SRC Vista D-2N-C - Wellbore #1 - Plan #2 (9-21-15)	400.0	400.0	40.1	38.5	25.478	CC, ES
SRC Vista D-2N-C - Wellbore #1 - Plan #2 (9-21-15)	11,867.6	11,462.6	608.0	385.0	2.727	SF
SRC Vista S-2N-C - Wellbore #1 - Plan #2 (9-21-15)	400.0	400.0	159.9	158.4	101.649	CC, ES
SRC Vista S-2N-C - Wellbore #1 - Plan #2 (9-21-15)	1,200.0	1,194.2	242.8	237.7	47.571	SF

Offset Design												
Pratt 14-2D Pad Sec.2-T4N-R68W - Pratt 14-2D - Wellbore #1 - Wellbore #1												
Survey Program: 108-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
2,500.0	2,451.5	2,518.6	2,502.4	9.5	6.4	-84.79	-659.1	900.2	994.4	978.6	15.76	63.085
2,600.0	2,548.2	2,618.3	2,600.8	10.0	6.7	-85.37	-673.3	891.6	987.1	970.5	16.62	59.391
2,700.0	2,644.8	2,716.2	2,697.3	10.6	7.0	-85.93	-687.5	883.3	980.1	962.6	17.48	56.083
2,800.0	2,741.4	2,817.4	2,797.0	11.1	7.4	-86.51	-702.3	874.7	973.1	954.7	18.36	53.005
2,900.0	2,838.0	2,918.4	2,896.7	11.6	7.7	-87.14	-716.4	866.0	966.0	946.7	19.21	50.271
3,000.0	2,934.7	3,023.5	3,000.6	12.2	8.1	-87.89	-729.5	856.9	958.7	938.6	20.07	47.775

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 44-2C
Project:	SEC.2-T4N-R68W	TVD Reference:	WELL @ 5013.5ft (Ensign 131 RKB - 13.5')
Reference Site:	SRC Vista Pad Sec.2-T4N-R68W	MD Reference:	WELL @ 5013.5ft (Ensign 131 RKB - 13.5')
Site Error:	0.0 ft	North Reference:	True
Reference Well:	SRC Vista 44-2C	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 ft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	US_EDM
Reference Design:	Plan #2 (9-21-15)	Offset TVD Reference:	Offset Datum

Offset Design													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		
3,100.0	3,031.3	3,127.4	3,103.3	12.7	8.4	-88.68	-741.8	847.2	950.8	929.9	20.91	45.462		
3,200.0	3,127.9	3,225.2	3,199.9	13.3	8.7	-89.39	-753.9	837.8	942.9	921.1	21.75	43.348		
3,300.0	3,224.6	3,312.3	3,285.9	13.8	9.0	-90.05	-764.7	830.2	935.9	913.3	22.55	41.505		
3,400.0	3,321.2	3,405.5	3,378.2	14.3	9.3	-90.79	-775.9	823.0	930.1	906.8	23.35	39.836		
3,500.0	3,417.8	3,511.5	3,483.2	14.9	9.6	-91.65	-788.7	815.1	924.7	900.5	24.19	38.230		
3,600.0	3,514.4	3,626.9	3,596.9	15.4	10.0	-92.45	-804.5	804.0	917.6	892.5	25.08	36.585		
3,700.0	3,611.1	3,723.0	3,691.5	15.9	10.4	-93.09	-818.3	794.2	910.0	884.1	25.93	35.098		
3,800.0	3,707.7	3,818.5	3,785.5	16.5	10.7	-93.73	-832.0	784.8	903.0	876.2	26.76	33.744		
3,900.0	3,804.3	3,912.9	3,878.5	17.0	11.1	-94.39	-845.4	776.0	896.7	869.1	27.58	32.516		
4,000.0	3,901.0	4,007.1	3,971.4	17.6	11.4	-95.07	-858.7	767.8	891.0	862.6	28.38	31.393		
4,100.0	3,997.6	4,100.1	4,063.3	18.1	11.7	-95.80	-871.0	760.3	886.1	856.9	29.17	30.377		
4,200.0	4,094.2	4,194.6	4,156.8	18.6	12.0	-96.58	-883.1	753.4	882.0	852.0	29.95	29.447		
4,300.0	4,190.8	4,295.9	4,257.0	19.2	12.4	-97.40	-896.3	746.2	878.3	847.6	30.75	28.560		
4,400.0	4,287.5	4,400.6	4,360.4	19.7	12.7	-98.21	-910.8	738.0	874.2	842.6	31.57	27.690		
4,500.0	4,384.1	4,503.1	4,461.5	20.2	13.1	-99.00	-925.1	729.6	869.9	837.5	32.38	26.867		
4,600.0	4,480.7	4,618.7	4,575.3	20.8	13.5	-99.82	-942.4	718.8	864.5	831.3	33.23	26.017		
4,700.0	4,577.4	4,712.0	4,667.0	21.3	13.8	-100.46	-956.8	709.6	858.6	824.6	34.02	25.241		
4,800.0	4,674.0	4,807.3	4,760.8	21.9	14.2	-101.18	-970.6	700.7	853.6	818.8	34.79	24.537		
4,900.0	4,770.6	4,904.3	4,856.6	22.4	14.5	-101.98	-983.9	691.9	849.0	813.4	35.54	23.888		
5,000.0	4,867.2	5,003.0	4,953.9	22.9	14.9	-102.77	-997.7	683.2	844.7	808.4	36.29	23.273		
5,100.0	4,963.9	5,105.7	5,055.1	23.5	15.2	-103.60	-1,012.2	673.9	840.4	803.3	37.05	22.682		
5,200.0	5,060.5	5,207.6	5,155.6	24.0	15.6	-104.47	-1,026.2	664.2	835.9	798.1	37.79	22.122		
5,300.0	5,157.1	5,306.5	5,253.1	24.6	15.9	-105.34	-1,039.4	654.6	831.3	792.8	38.49	21.599		
5,400.0	5,253.8	5,400.4	5,345.9	25.1	16.2	-106.29	-1,050.3	645.5	827.3	788.2	39.15	21.133		
5,500.0	5,350.4	5,483.5	5,428.2	25.6	16.5	-107.13	-1,059.8	638.7	824.9	785.1	39.78	20.737		
5,600.0	5,447.0	5,576.0	5,519.8	26.2	16.8	-107.99	-1,071.5	632.6	824.3	783.9	40.44	20.385		
5,700.0	5,543.6	5,677.3	5,620.0	26.7	17.1	-108.89	-1,084.8	626.2	824.0	782.9	41.11	20.044		
5,719.4	5,562.4	5,698.1	5,640.6	26.8	17.2	-109.07	-1,087.6	624.9	823.9	782.7	41.24	19.977		
5,800.0	5,640.5	5,784.3	5,725.8	27.2	17.5	-109.71	-1,099.5	618.9	822.9	781.1	41.73	19.718		
5,900.0	5,738.2	5,889.9	5,830.0	27.5	17.9	-110.26	-1,113.9	610.7	819.8	777.6	42.26	19.401		
6,000.0	5,836.6	5,995.4	5,934.1	27.8	18.3	-110.53	-1,128.5	601.8	815.0	772.2	42.80	19.043		
6,100.0	5,935.6	6,099.2	6,036.3	28.0	18.6	-110.43	-1,144.4	592.7	808.3	764.9	43.38	18.630		
6,200.0	6,035.0	6,201.1	6,136.3	28.3	19.0	-109.95	-1,161.6	583.7	799.9	755.9	44.01	18.177		
6,300.0	6,134.7	6,302.7	6,236.2	28.4	19.4	-109.23	-1,178.2	574.4	790.3	745.7	44.64	17.705		
6,400.0	6,234.6	6,412.7	6,344.2	28.6	19.8	-108.23	-1,195.2	563.2	778.7	733.4	45.30	17.191		
6,465.4	6,300.0	6,475.8	6,406.3	28.6	20.1	80.99	-1,204.7	556.2	770.2	735.4	46.00	16.705		
6,500.0	6,334.6	6,509.0	6,438.8	28.7	20.2	81.31	-1,209.6	552.6	765.6	730.8	46.61	16.337		
6,600.0	6,434.6	6,608.9	6,537.1	28.7	20.6	82.28	-1,224.0	541.7	752.7	717.6	47.19	15.997		
6,669.2	6,503.8	6,679.4	6,606.5	28.8	20.8	82.96	-1,233.9	533.8	743.6	708.4	47.74	15.690		
6,700.0	6,534.6	6,709.6	6,636.1	28.8	21.0	-6.12	-1,238.1	530.3	738.9	692.0	48.25	15.418		
6,750.0	6,584.4	6,758.1	6,683.8	28.9	21.1	-5.74	-1,245.0	524.7	728.6	681.7	48.72	15.167		
6,800.0	6,633.9	6,805.6	6,730.5	28.9	21.3	-5.39	-1,251.8	519.3	714.9	668.3	49.15	14.933		
6,850.0	6,682.7	6,850.4	6,774.6	28.9	21.5	-5.10	-1,258.2	514.3	698.0	651.9	49.54	14.712		
6,900.0	6,730.6	6,894.2	6,817.7	28.9	21.6	-4.84	-1,264.2	509.5	678.1	632.7	49.89	14.501		
6,950.0	6,777.4	6,936.2	6,859.1	29.0	21.8	-4.63	-1,269.8	504.9	655.2	610.7	50.19	14.299		
7,000.0	6,822.9	6,974.8	6,897.1	29.0	21.9	-4.48	-1,274.6	500.9	629.4	586.2	50.44	14.106		
7,050.0	6,866.9	7,012.0	6,933.9	29.0	22.0	-4.40	-1,278.9	497.2	601.1	559.2	50.64	13.921		
7,100.0	6,909.1	7,047.7	6,969.3	29.0	22.2	-4.38	-1,282.8	493.9	570.2	529.9	50.79	13.744		
7,150.0	6,949.3	7,080.6	7,001.9	29.0	22.3	-4.43	-1,286.1	491.1	536.9	498.4	50.89	13.574		
7,200.0	6,987.3	7,111.4	7,032.5	29.0	22.4	-4.54	-1,289.1	488.7	501.4	464.8	50.94	13.411		
7,250.0	7,023.0	7,140.5	7,061.4	29.0	22.4	-4.71	-1,292.0	486.6	463.7	429.3	50.96	13.254		
7,300.0	7,056.1	7,167.8	7,088.4	29.1	22.5	-4.97	-1,294.7	484.9	424.2	391.9	50.97	13.101		

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 44-2C
Project:	SEC.2-T4N-R68W	TVD Reference:	WELL @ 5013.5ft (Ensign 131 RKB - 13.5')
Reference Site:	SRC Vista Pad Sec.2-T4N-R68W	MD Reference:	WELL @ 5013.5ft (Ensign 131 RKB - 13.5')
Site Error:	0.0 ft	North Reference:	True
Reference Well:	SRC Vista 44-2C	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 ft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	US_EDM
Reference Design:	Plan #2 (9-21-15)	Offset TVD Reference:	Offset Datum

Offset Design													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		
7,350.0	7,086.6	7,194.1	7,114.6	29.1	22.6	-5.35	-1,297.2	483.4	382.8	352.8	29.98	12.768		
7,400.0	7,114.2	7,220.2	7,140.5	29.1	22.7	-5.90	-1,299.8	481.9	339.5	311.9	27.61	12.297		
7,450.0	7,138.9	7,242.8	7,162.9	29.2	22.7	-6.77	-1,302.2	480.6	294.5	269.3	25.19	11.692		
7,500.0	7,160.4	7,261.9	7,181.9	29.3	22.8	-8.22	-1,304.3	479.4	248.1	225.3	22.77	10.895		
7,550.0	7,178.8	7,277.5	7,197.4	29.4	22.8	-10.91	-1,306.0	478.5	200.5	180.0	20.48	9.793		
7,600.0	7,193.8	7,289.6	7,209.4	29.6	22.9	-16.71	-1,307.3	477.7	152.0	133.1	18.87	8.053		
7,650.0	7,205.5	7,298.1	7,217.8	29.7	22.9	-32.03	-1,308.3	477.1	102.7	80.9	21.80	4.712		
7,700.0	7,213.8	7,303.1	7,222.7	30.0	22.9	-71.34	-1,308.8	476.8	53.2	16.2	37.04	1.437 Level 3		
7,750.0	7,218.6	7,304.5	7,224.2	30.2	22.9	-96.67	-1,309.0	476.7	7.8	-34.0	41.85	0.187 Level 1		
7,752.7	7,218.8	7,304.5	7,224.1	30.3	22.9	-96.54	-1,309.0	476.7	7.3	-34.6	41.90	0.175 Level 1, CC, ES, SF		
7,794.2	7,220.0	7,302.9	7,222.6	30.6	22.9	-75.41	-1,308.8	476.8	42.1	2.5	39.63	1.063 Level 2		
7,800.0	7,220.0	7,302.5	7,222.2	30.6	22.9	-72.80	-1,308.8	476.9	47.8	8.8	39.03	1.226 Level 2		
7,900.0	7,220.0	7,295.9	7,215.6	31.5	22.9	-42.94	-1,308.0	477.3	147.2	118.8	28.47	5.172		
8,000.0	7,220.0	7,289.4	7,209.2	32.7	22.9	-30.43	-1,307.3	477.7	247.0	223.5	23.42	10.546		
8,100.0	7,220.0	7,283.1	7,202.9	34.2	22.9	-24.17	-1,306.6	478.1	346.7	325.2	21.56	16.085		
8,200.0	7,220.0	7,276.8	7,196.7	35.9	22.8	-20.49	-1,305.9	478.5	446.5	425.5	21.01	21.248		
8,300.0	7,220.0	7,270.7	7,190.6	37.8	22.8	-18.08	-1,305.2	478.9	546.3	525.2	21.06	25.937		
8,400.0	7,220.0	7,264.7	7,184.7	39.9	22.8	-16.38	-1,304.6	479.3	646.1	624.7	21.40	30.189		
8,500.0	7,220.0	7,258.8	7,178.8	42.1	22.8	-15.12	-1,303.9	479.6	745.9	724.0	21.90	34.061		
8,600.0	7,220.0	7,253.0	7,173.1	44.4	22.8	-14.15	-1,303.3	480.0	845.7	823.2	22.49	37.609		
8,700.0	7,220.0	7,247.3	7,167.4	46.7	22.8	-13.37	-1,302.7	480.3	945.5	922.3	23.13	40.877		

Company:	Synergy Resources	Local Co-ordinate Reference:	Well SRC Vista 44-2C
Project:	SEC.2-T4N-R68W	TVD Reference:	WELL @ 5013.5ft (Ensign 131 RKB - 13.5')
Reference Site:	SRC Vista Pad Sec.2-T4N-R68W	MD Reference:	WELL @ 5013.5ft (Ensign 131 RKB - 13.5')
Site Error:	0.0 ft	North Reference:	True
Reference Well:	SRC Vista 44-2C	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 ft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	US_EDM
Reference Design:	Plan #2 (9-21-15)	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.0 ft
Survey Program: 250-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		
8,000.0	7,220.0	7,254.2	7,173.9	32.7	23.0	-11.80	-1,292.4	1,649.5	926.9	910.5	16.40	56.524		
8,100.0	7,220.0	7,259.3	7,179.0	34.2	23.0	-12.27	-1,293.1	1,649.8	827.0	809.7	17.35	47.656		
8,200.0	7,220.0	7,264.4	7,184.1	35.9	23.0	-12.87	-1,293.8	1,650.1	727.2	708.8	18.38	39.555		
8,300.0	7,220.0	7,269.7	7,189.3	37.8	23.0	-13.66	-1,294.5	1,650.4	627.3	607.8	19.52	32.135		
8,400.0	7,220.0	7,274.9	7,194.5	39.9	23.1	-14.74	-1,295.2	1,650.7	527.5	506.7	20.83	25.320		
8,500.0	7,220.0	7,280.3	7,199.8	42.1	23.1	-16.30	-1,295.9	1,651.0	427.6	405.2	22.46	19.041		
8,600.0	7,220.0	7,285.7	7,205.1	44.4	23.1	-18.78	-1,296.6	1,651.3	327.8	303.1	24.73	13.252		
8,700.0	7,220.0	7,291.1	7,210.5	46.7	23.1	-23.30	-1,297.3	1,651.6	228.0	199.3	28.62	7.965		
8,800.0	7,220.0	7,296.6	7,215.9	49.2	23.1	-33.92	-1,298.1	1,651.9	128.1	90.4	37.70	3.399		
8,900.0	7,220.0	7,302.2	7,221.4	51.6	23.2	-73.49	-1,298.9	1,652.2	28.5	-36.1	64.55	0.441 Level 1		
8,928.3	7,220.0	7,303.8	7,223.0	52.3	23.2	-97.91	-1,299.1	1,652.3	3.5	-65.7	69.20	0.050 Level 1, CC, ES, SF		
9,000.0	7,220.0	7,307.8	7,227.0	54.1	23.2	-147.09	-1,299.6	1,652.5	71.7	24.5	47.15	1.520		
9,100.0	7,220.0	7,313.5	7,232.6	56.7	23.2	-168.19	-1,300.4	1,652.9	171.5	140.3	31.20	5.497		
9,200.0	7,220.0	7,319.0	7,238.1	59.2	23.2	-175.06	-1,301.2	1,653.2	271.3	243.6	27.67	9.806		
9,300.0	7,220.0	7,324.4	7,243.4	61.8	23.2	-178.36	-1,301.9	1,653.5	371.1	344.2	26.98	13.754		
9,400.0	7,220.0	7,329.8	7,248.7	64.4	23.2	179.73	-1,302.6	1,653.8	471.0	443.8	27.17	17.338		
9,500.0	7,220.0	7,335.0	7,253.9	67.0	23.3	178.49	-1,303.3	1,654.1	570.8	543.2	27.67	20.627		
9,600.0	7,220.0	7,340.2	7,259.0	69.7	23.3	177.62	-1,304.0	1,654.4	670.7	642.4	28.33	23.676		
9,700.0	7,220.0	7,345.3	7,264.1	72.3	23.3	176.98	-1,304.7	1,654.7	770.5	741.5	29.05	26.523		
9,800.0	7,220.0	7,350.3	7,269.0	75.0	23.3	176.49	-1,305.3	1,654.9	870.4	840.6	29.81	29.196		
9,900.0	7,220.0	7,355.2	7,273.9	77.6	23.3	176.11	-1,306.0	1,655.2	970.2	939.7	30.59	31.714		

Company:	Synergy Resources	Local Co-ordinate Reference:	Well SRC Vista 44-2C
Project:	SEC.2-T4N-R68W	TVD Reference:	WELL @ 5013.5ft (Ensign 131 RKB - 13.5')
Reference Site:	SRC Vista Pad Sec.2-T4N-R68W	MD Reference:	WELL @ 5013.5ft (Ensign 131 RKB - 13.5')
Site Error:	0.0 ft	North Reference:	True
Reference Well:	SRC Vista 44-2C	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 ft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	US_EDM
Reference Design:	Plan #2 (9-21-15)	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.0 ft
Survey Program: 0-MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.0	0.0	0.0	0.0	0.0	0.0	0.01	120.2	0.0	120.2					
100.0	100.0	100.0	100.0	0.1	0.1	0.01	120.2	0.0	120.2	120.0	0.22	534.893		
200.0	200.0	200.0	200.0	0.3	0.3	0.01	120.2	0.0	120.2	119.6	0.67	178.298		
300.0	300.0	300.0	300.0	0.6	0.6	0.01	120.2	0.0	120.2	119.1	1.12	106.979		
400.0	400.0	400.0	400.0	0.8	0.8	0.01	120.2	0.0	120.2	118.7	1.57	76.413 CC, ES		
500.0	500.0	500.0	500.0	1.0	1.0	171.59	120.2	0.0	121.5	119.5	2.00	60.711		
600.0	599.9	599.9	599.9	1.2	1.2	171.85	120.2	0.0	125.4	123.0	2.42	51.771		
700.0	699.7	699.7	699.7	1.4	1.5	172.24	120.2	0.0	131.9	129.0	2.86	46.171		
800.0	799.3	799.3	799.3	1.6	1.7	172.72	120.2	0.0	141.0	137.7	3.30	42.733		
900.0	898.6	898.6	898.6	1.9	1.9	173.26	120.2	0.0	152.6	148.9	3.75	40.747		
1,000.0	997.5	997.5	997.5	2.2	2.1	173.81	120.2	0.0	166.9	162.7	4.20	39.772		
1,100.0	1,096.1	1,096.1	1,096.1	2.5	2.4	174.36	120.2	0.0	183.7	179.1	4.65	39.523 SF		
1,200.0	1,194.2	1,194.2	1,194.2	2.9	2.6	174.87	120.2	0.0	203.2	198.1	5.10	39.810		
1,300.0	1,291.7	1,291.7	1,291.7	3.3	2.8	175.35	120.2	0.0	225.1	219.6	5.56	40.502		
1,394.7	1,383.5	1,383.5	1,383.5	3.8	3.0	175.76	120.2	0.0	248.3	242.3	5.99	41.446		
1,400.0	1,388.6	1,388.6	1,388.6	3.8	3.0	175.78	120.2	0.0	249.7	243.7	6.02	41.504		
1,500.0	1,485.2	1,485.2	1,485.2	4.3	3.2	176.17	120.2	0.0	275.4	268.9	6.48	42.494		
1,600.0	1,581.9	1,581.9	1,581.9	4.8	3.4	176.50	120.2	0.0	301.1	294.1	6.95	43.321		
1,700.0	1,678.5	1,680.6	1,680.6	5.3	3.7	176.63	120.0	-0.8	326.5	319.1	7.41	44.037		
1,800.0	1,775.1	1,780.1	1,780.0	5.8	3.8	176.34	119.3	-4.1	351.2	343.4	7.87	44.612		
1,900.0	1,871.8	1,879.9	1,879.6	6.3	4.1	175.70	118.0	-10.0	375.2	366.9	8.34	44.982		
2,000.0	1,968.4	1,979.8	1,979.1	6.9	4.3	174.76	116.2	-18.4	398.6	389.7	8.83	45.149		
2,100.0	2,065.0	2,078.4	2,077.2	7.4	4.5	173.63	113.9	-29.0	421.4	412.1	9.33	45.161		
2,200.0	2,161.6	2,175.4	2,173.6	7.9	4.7	172.58	111.5	-39.8	444.3	434.4	9.85	45.108		
2,300.0	2,258.3	2,272.5	2,270.0	8.4	5.0	171.63	109.2	-50.6	467.3	456.9	10.38	45.019		
2,400.0	2,354.9	2,369.5	2,366.4	9.0	5.2	170.77	106.8	-61.4	490.4	479.4	10.92	44.903		
2,500.0	2,451.5	2,466.6	2,462.8	9.5	5.4	169.99	104.5	-72.2	513.6	502.1	11.47	44.768		
2,600.0	2,548.2	2,563.6	2,559.2	10.0	5.7	169.27	102.1	-83.0	536.9	524.8	12.03	44.620		
2,700.0	2,644.8	2,660.6	2,655.6	10.6	6.0	168.62	99.8	-93.8	560.2	547.6	12.60	44.464		
2,800.0	2,741.4	2,757.7	2,752.0	11.1	6.2	168.01	97.4	-104.6	583.6	570.5	13.17	44.303		
2,900.0	2,838.0	2,854.7	2,848.5	11.6	6.5	167.46	95.1	-115.4	607.1	593.4	13.75	44.140		
3,000.0	2,934.7	2,951.8	2,944.9	12.2	6.8	166.94	92.7	-126.2	630.6	616.3	14.34	43.976		
3,100.0	3,031.3	3,048.8	3,041.3	12.7	7.0	166.46	90.4	-137.0	654.2	639.3	14.93	43.815		
3,200.0	3,127.9	3,145.9	3,137.7	13.3	7.3	166.02	88.0	-147.8	677.8	662.3	15.53	43.656		
3,300.0	3,224.6	3,242.9	3,234.1	13.8	7.6	165.60	85.6	-158.6	701.5	685.4	16.13	43.500		
3,400.0	3,321.2	3,339.9	3,330.5	14.3	7.9	165.21	83.3	-169.4	725.2	708.4	16.73	43.348		
3,500.0	3,417.8	3,437.0	3,426.9	14.9	8.2	164.85	80.9	-180.1	748.9	731.6	17.33	43.201		
3,600.0	3,514.4	3,532.7	3,522.1	15.4	8.4	164.54	78.7	-190.4	772.7	754.8	17.91	43.140		
3,700.0	3,611.1	3,627.1	3,616.2	15.9	8.6	164.46	77.1	-197.8	796.8	778.3	18.43	43.238		
3,800.0	3,707.7	3,721.4	3,710.3	16.5	8.8	164.61	76.1	-202.2	821.2	802.2	18.91	43.424		
3,900.0	3,804.3	3,815.4	3,804.3	17.0	9.0	164.96	75.8	-203.6	845.9	826.5	19.36	43.693		
4,000.0	3,901.0	3,912.0	3,901.0	17.6	9.2	165.40	75.8	-203.6	870.9	851.0	19.81	43.966		
4,100.0	3,997.6	4,008.7	3,997.6	18.1	9.4	165.81	75.8	-203.6	895.8	875.6	20.27	44.206		
4,200.0	4,094.2	4,105.3	4,094.2	18.6	9.5	166.21	75.8	-203.6	920.9	900.2	20.73	44.433		
4,300.0	4,190.8	4,201.9	4,190.8	19.2	9.7	166.58	75.8	-203.6	945.9	924.8	21.19	44.649		
4,400.0	4,287.5	4,298.5	4,287.5	19.7	9.9	166.93	75.8	-203.6	971.1	949.4	21.65	44.854		
4,500.0	4,384.1	4,395.2	4,384.1	20.2	10.1	167.26	75.8	-203.6	996.2	974.1	22.11	45.050		

Company:	Synergy Resources	Local Co-ordinate Reference:	Well SRC Vista 44-2C
Project:	SEC.2-T4N-R68W	TVD Reference:	WELL @ 5013.5ft (Ensign 131 RKB - 13.5')
Reference Site:	SRC Vista Pad Sec.2-T4N-R68W	MD Reference:	WELL @ 5013.5ft (Ensign 131 RKB - 13.5')
Site Error:	0.0 ft	North Reference:	True
Reference Well:	SRC Vista 44-2C	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 ft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	US_EDM
Reference Design:	Plan #2 (9-21-15)	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.0 ft
Survey Program: 0-MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.0	0.0	0.0	0.0	0.0	0.0	0.01	139.9	0.0	139.9					
100.0	100.0	100.0	100.0	0.1	0.1	0.01	139.9	0.0	139.9	139.7	0.22	622.437		
200.0	200.0	200.0	200.0	0.3	0.3	0.01	139.9	0.0	139.9	139.2	0.67	207.479		
300.0	300.0	300.0	300.0	0.6	0.6	0.01	139.9	0.0	139.9	138.8	1.12	124.487		
400.0	400.0	400.0	400.0	0.8	0.8	0.01	139.9	0.0	139.9	138.3	1.57	88.920 CC, ES		
500.0	500.0	500.0	500.0	1.0	1.0	171.58	139.9	0.0	141.2	139.2	2.00	70.542		
600.0	599.9	599.9	599.9	1.2	1.2	171.80	139.9	0.0	145.1	142.7	2.42	59.895		
700.0	699.7	699.7	699.7	1.4	1.5	172.14	139.9	0.0	151.6	148.7	2.86	53.059		
800.0	799.3	799.3	799.3	1.6	1.7	172.57	139.9	0.0	160.6	157.3	3.30	48.697		
900.0	898.6	898.6	898.6	1.9	1.9	173.05	139.9	0.0	172.3	168.5	3.75	45.998		
1,000.0	997.5	997.5	997.5	2.2	2.1	173.56	139.9	0.0	186.5	182.3	4.20	44.457		
1,100.0	1,096.1	1,096.1	1,096.1	2.5	2.4	174.07	139.9	0.0	203.4	198.7	4.65	43.748		
1,200.0	1,194.2	1,194.2	1,194.2	2.9	2.6	174.56	139.9	0.0	222.8	217.7	5.10	43.656 SF		
1,300.0	1,291.7	1,291.7	1,291.7	3.3	2.8	175.02	139.9	0.0	244.8	239.2	5.56	44.029		
1,394.7	1,383.5	1,383.5	1,383.5	3.8	3.0	175.42	139.9	0.0	268.0	262.0	5.99	44.715		
1,400.0	1,388.6	1,388.6	1,388.6	3.8	3.0	175.45	139.9	0.0	269.3	263.3	6.02	44.759		
1,500.0	1,485.2	1,485.2	1,485.2	4.3	3.2	175.84	139.9	0.0	295.0	288.5	6.48	45.514		
1,600.0	1,581.9	1,581.9	1,581.9	4.8	3.4	176.18	139.9	0.0	320.7	313.7	6.95	46.135		
1,700.0	1,678.5	1,678.5	1,678.5	5.3	3.7	176.46	139.9	0.0	346.4	339.0	7.42	46.652		
1,800.0	1,775.1	1,775.1	1,775.1	5.8	3.9	176.70	139.9	0.0	372.1	364.2	7.90	47.089		
1,900.0	1,871.8	1,871.8	1,871.8	6.3	4.1	176.92	139.9	0.0	397.8	389.4	8.38	47.461		
2,000.0	1,968.4	1,968.4	1,968.4	6.9	4.3	177.11	139.9	0.0	423.5	414.6	8.86	47.781		
2,100.0	2,065.0	2,065.0	2,065.0	7.4	4.5	177.27	139.9	0.0	449.2	439.9	9.35	48.058		
2,200.0	2,161.6	2,161.6	2,161.6	7.9	4.7	177.42	139.9	0.0	475.0	465.1	9.83	48.300		
2,300.0	2,258.3	2,258.3	2,258.3	8.4	5.0	177.55	139.9	0.0	500.7	490.4	10.32	48.514		
2,400.0	2,354.9	2,354.9	2,354.9	9.0	5.2	177.67	139.9	0.0	526.4	515.6	10.81	48.703		
2,500.0	2,451.5	2,455.5	2,455.5	9.5	5.4	177.75	139.7	-0.4	551.9	540.7	11.30	48.864		
2,600.0	2,548.2	2,560.0	2,560.0	10.0	5.6	177.59	138.6	-3.1	576.3	564.6	11.77	48.951		
2,700.0	2,644.8	2,665.2	2,665.0	10.6	5.8	177.20	136.3	-8.5	599.4	587.2	12.25	48.922		
2,800.0	2,741.4	2,770.7	2,770.1	11.1	6.0	176.60	132.8	-16.5	621.3	608.5	12.74	48.745		
2,900.0	2,838.0	2,871.5	2,870.4	11.6	6.2	175.89	128.6	-26.3	642.1	628.9	13.24	48.490		
3,000.0	2,934.7	2,969.0	2,967.3	12.2	6.4	175.22	124.5	-36.0	662.9	649.2	13.74	48.235		
3,100.0	3,031.3	3,066.6	3,064.3	12.7	6.7	174.60	120.3	-45.7	683.8	669.6	14.25	47.975		
3,200.0	3,127.9	3,164.1	3,161.2	13.3	6.9	174.01	116.2	-55.3	704.8	690.0	14.77	47.716		
3,300.0	3,224.6	3,261.6	3,258.2	13.8	7.1	173.46	112.0	-65.0	725.9	710.6	15.30	47.452		
3,400.0	3,321.2	3,359.1	3,355.1	14.3	7.4	172.93	107.9	-74.7	747.0	731.2	15.83	47.192		
3,500.0	3,417.8	3,456.7	3,452.1	14.9	7.6	172.44	103.8	-84.4	768.2	751.8	16.37	46.934		
3,600.0	3,514.4	3,548.3	3,543.2	15.4	7.8	172.03	100.0	-93.0	789.6	772.7	16.88	46.772		
3,700.0	3,611.1	3,635.7	3,630.5	15.9	8.0	171.83	97.5	-99.0	812.2	794.8	17.37	46.757		
3,800.0	3,707.7	3,722.8	3,717.4	16.5	8.2	171.81	96.0	-102.5	836.0	818.1	17.84	46.852		
3,900.0	3,804.3	3,809.7	3,804.3	17.0	8.4	171.95	95.5	-103.6	860.9	842.6	18.30	47.058		
4,000.0	3,901.0	3,906.4	3,901.0	17.6	8.5	172.18	95.5	-103.6	886.4	867.7	18.76	47.241		
4,100.0	3,997.6	4,003.0	3,997.6	18.1	8.8	172.40	95.5	-103.6	912.0	892.7	19.25	47.380		
4,200.0	4,094.2	4,099.6	4,094.2	18.6	9.0	172.61	95.5	-103.6	937.5	917.8	19.73	47.511		
4,300.0	4,190.8	4,196.2	4,190.8	19.2	9.2	172.81	95.5	-103.6	963.1	942.9	20.22	47.634		
4,400.0	4,287.5	4,292.9	4,287.5	19.7	9.4	172.99	95.5	-103.6	988.6	967.9	20.70	47.751		

Company:	Synergy Resources	Local Co-ordinate Reference:	Well SRC Vista 44-2C
Project:	SEC.2-T4N-R68W	TVD Reference:	WELL @ 5013.5ft (Ensign 131 RKB - 13.5')
Reference Site:	SRC Vista Pad Sec.2-T4N-R68W	MD Reference:	WELL @ 5013.5ft (Ensign 131 RKB - 13.5')
Site Error:	0.0 ft	North Reference:	True
Reference Well:	SRC Vista 44-2C	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 ft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	US_EDM
Reference Design:	Plan #2 (9-21-15)	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.0 ft
Survey Program: 0-MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.0	0.0	0.0	0.0	0.0	0.0	0.00	100.2	0.0	100.2					
100.0	100.0	100.0	100.0	0.1	0.1	0.00	100.2	0.0	100.2	100.0	0.22	445.748		
200.0	200.0	200.0	200.0	0.3	0.3	0.00	100.2	0.0	100.2	99.5	0.67	148.583		
300.0	300.0	300.0	300.0	0.6	0.6	0.00	100.2	0.0	100.2	99.1	1.12	89.150		
400.0	400.0	400.0	400.0	0.8	0.8	0.00	100.2	0.0	100.2	98.6	1.57	63.678 CC, ES		
500.0	500.0	500.0	500.0	1.0	1.0	171.61	100.2	0.0	101.5	99.5	2.00	50.701		
600.0	599.9	599.9	599.9	1.2	1.2	171.91	100.2	0.0	105.4	102.9	2.42	43.500		
700.0	699.7	699.7	699.7	1.4	1.5	172.37	100.2	0.0	111.8	109.0	2.86	39.157		
800.0	799.3	799.3	799.3	1.6	1.7	172.93	100.2	0.0	120.9	117.6	3.30	36.660		
900.0	898.6	898.6	898.6	1.9	1.9	173.54	100.2	0.0	132.6	128.9	3.75	35.402		
1,000.0	997.5	997.5	997.5	2.2	2.1	174.14	100.2	0.0	146.9	142.7	4.20	35.003		
1,100.0	1,096.1	1,096.1	1,096.1	2.5	2.4	174.73	100.2	0.0	163.7	159.1	4.65	35.221		
1,200.0	1,194.2	1,194.2	1,194.2	2.9	2.6	175.26	100.2	0.0	183.2	178.1	5.10	35.895		
1,300.0	1,291.7	1,291.7	1,291.7	3.3	2.8	175.75	100.2	0.0	205.2	199.6	5.56	36.911		
1,394.7	1,383.5	1,383.5	1,383.5	3.8	3.0	176.15	100.2	0.0	228.4	222.4	5.99	38.118		
1,400.0	1,388.6	1,388.6	1,388.6	3.8	3.0	176.18	100.2	0.0	229.7	223.7	6.02	38.189		
1,500.0	1,485.2	1,490.6	1,490.6	4.3	3.2	176.46	99.3	-0.6	254.5	248.1	6.47	39.368		
1,600.0	1,581.9	1,594.4	1,594.3	4.8	3.4	176.42	96.1	-2.7	277.0	270.1	6.90	40.150		
1,700.0	1,678.5	1,699.2	1,698.9	5.3	3.6	176.12	90.4	-6.4	297.2	289.9	7.35	40.441		
1,800.0	1,775.1	1,805.0	1,804.3	5.8	3.8	175.60	82.3	-11.8	315.0	307.2	7.82	40.305		
1,900.0	1,871.8	1,905.8	1,904.4	6.3	4.0	174.98	72.8	-18.0	331.1	322.8	8.29	39.938		
2,000.0	1,968.4	2,004.5	2,002.5	6.9	4.2	174.42	63.4	-24.2	347.1	338.3	8.77	39.560		
2,100.0	2,065.0	2,103.2	2,100.5	7.4	4.5	173.91	54.1	-30.4	363.1	353.9	9.27	39.186		
2,200.0	2,161.6	2,201.8	2,198.5	7.9	4.7	173.44	44.7	-36.5	379.2	369.4	9.77	38.824		
2,300.0	2,258.3	2,300.5	2,296.5	8.4	5.0	173.01	35.3	-42.7	395.3	385.0	10.27	38.472		
2,400.0	2,354.9	2,399.1	2,394.5	9.0	5.2	172.62	26.0	-48.9	411.4	400.6	10.79	38.133		
2,500.0	2,451.5	2,497.8	2,492.6	9.5	5.5	172.25	16.6	-55.0	427.5	416.2	11.31	37.807		
2,600.0	2,548.2	2,596.4	2,590.6	10.0	5.8	171.91	7.3	-61.2	443.6	431.8	11.83	37.496		
2,700.0	2,644.8	2,695.1	2,688.6	10.6	6.0	171.60	-2.1	-67.4	459.8	447.4	12.36	37.199		
2,800.0	2,741.4	2,793.8	2,786.6	11.1	6.3	171.30	-11.5	-73.5	475.9	463.0	12.89	36.916		
2,900.0	2,838.0	2,892.4	2,884.6	11.6	6.6	171.03	-20.8	-79.7	492.1	478.7	13.43	36.646		
3,000.0	2,934.7	2,991.1	2,982.6	12.2	6.9	170.77	-30.2	-85.9	508.3	494.3	13.97	36.389		
3,100.0	3,031.3	3,089.7	3,080.7	12.7	7.2	170.53	-39.6	-92.0	524.5	510.0	14.51	36.145		
3,200.0	3,127.9	3,188.4	3,178.7	13.3	7.5	170.30	-48.9	-98.2	540.7	525.6	15.06	35.912		
3,300.0	3,224.6	3,287.0	3,276.7	13.8	7.7	170.09	-58.3	-104.4	556.9	541.3	15.60	35.690		
3,400.0	3,321.2	3,385.7	3,374.7	14.3	8.0	169.88	-67.7	-110.5	573.1	556.9	16.15	35.479		
3,500.0	3,417.8	3,484.4	3,472.7	14.9	8.3	169.69	-77.0	-116.7	589.3	572.6	16.70	35.278		
3,600.0	3,514.4	3,583.0	3,570.8	15.4	8.6	169.51	-86.4	-122.9	605.5	588.3	17.26	35.086		
3,700.0	3,611.1	3,681.7	3,668.8	15.9	8.9	169.34	-95.7	-129.0	621.8	604.0	17.81	34.903		
3,800.0	3,707.7	3,780.3	3,766.8	16.5	9.2	169.18	-105.1	-135.2	638.0	619.6	18.37	34.728		
3,900.0	3,804.3	3,879.0	3,864.8	17.0	9.5	169.03	-114.5	-141.4	654.2	635.3	18.93	34.561		
4,000.0	3,901.0	3,977.6	3,962.8	17.6	9.8	168.88	-123.8	-147.5	670.5	651.0	19.49	34.401		
4,100.0	3,997.6	4,076.3	4,060.8	18.1	10.1	168.74	-133.2	-153.7	686.7	666.7	20.05	34.248		
4,200.0	4,094.2	4,175.0	4,158.9	18.6	10.4	168.61	-142.6	-159.9	703.0	682.4	20.61	34.102		
4,300.0	4,190.8	4,273.6	4,256.9	19.2	10.7	168.48	-151.9	-166.0	719.3	698.1	21.18	33.962		
4,400.0	4,287.5	4,372.3	4,354.9	19.7	11.0	168.36	-161.3	-172.2	735.5	713.8	21.74	33.828		
4,500.0	4,384.1	4,470.9	4,452.9	20.2	11.3	168.24	-170.6	-178.4	751.8	729.5	22.31	33.699		
4,600.0	4,480.7	4,569.6	4,550.9	20.8	11.6	168.13	-180.0	-184.5	768.1	745.2	22.88	33.575		
4,700.0	4,577.4	4,668.2	4,648.9	21.3	11.9	168.02	-189.4	-190.7	784.3	760.9	23.44	33.457 SF		
4,800.0	4,674.0	4,753.5	4,733.7	21.9	12.1	167.96	-197.0	-195.7	801.2	777.3	23.95	33.459		
4,900.0	4,770.6	4,833.5	4,813.5	22.4	12.3	168.00	-202.2	-199.2	820.2	795.8	24.41	33.604		
5,000.0	4,867.2	4,912.8	4,892.6	22.9	12.5	168.12	-205.6	-201.4	841.4	816.6	24.85	33.859		

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 44-2C
Project:	SEC.2-T4N-R68W	TVD Reference:	WELL @ 5013.5ft (Ensign 131 RKB - 13.5')
Reference Site:	SRC Vista Pad Sec.2-T4N-R68W	MD Reference:	WELL @ 5013.5ft (Ensign 131 RKB - 13.5')
Site Error:	0.0 ft	North Reference:	True
Reference Well:	SRC Vista 44-2C	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 ft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	US_EDM
Reference Design:	Plan #2 (9-21-15)	Offset TVD Reference:	Offset Datum

Offset Design												Offset Site Error:	0.0 ft
SRC Vista Pad Sec.2-T4N-R68W - SRC Vista 43-2N-C - Wellbore #1 - Plan #2 (9-21-15)												Offset Well Error:	0.0 ft
Survey Program: 0-MWD													
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)		
5,100.0	4,963.9	5,000.0	4,979.8	23.5	12.6	168.36	-207.3	-202.5	864.9	839.6	25.29	34.203	
5,200.0	5,060.5	5,080.7	5,060.5	24.0	12.8	168.64	-207.3	-202.5	889.9	864.2	25.70	34.622	
5,300.0	5,157.1	5,177.3	5,157.1	24.6	12.9	168.95	-207.3	-202.5	915.2	889.1	26.14	35.012	
5,400.0	5,253.8	5,273.9	5,253.8	25.1	13.1	169.25	-207.3	-202.5	940.5	914.0	26.58	35.387	
5,500.0	5,350.4	5,370.5	5,350.4	25.6	13.2	169.54	-207.3	-202.5	965.9	938.9	27.02	35.747	
5,600.0	5,447.0	5,467.2	5,447.0	26.2	13.4	169.81	-207.3	-202.5	991.2	963.8	27.46	36.093	

Company:	Synergy Resources	Local Co-ordinate Reference:	Well SRC Vista 44-2C
Project:	SEC.2-T4N-R68W	TVD Reference:	WELL @ 5013.5ft (Ensign 131 RKB - 13.5')
Reference Site:	SRC Vista Pad Sec.2-T4N-R68W	MD Reference:	WELL @ 5013.5ft (Ensign 131 RKB - 13.5')
Site Error:	0.0 ft	North Reference:	True
Reference Well:	SRC Vista 44-2C	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 ft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	US_EDM
Reference Design:	Plan #2 (9-21-15)	Offset TVD Reference:	Offset Datum

Offset Design SRC Vista Pad Sec.2-T4N-R68W - SRC Vista 44-2N-A - Wellbore #1 - Plan #2 (9-21-15)													Offset Site Error:	0.0 ft
Survey Program: 0-MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.0	0.0	0.0	0.0	0.0	0.0	0.80	20.0	0.3	20.0					
100.0	100.0	100.0	100.0	0.1	0.1	0.80	20.0	0.3	20.0	19.8	0.22	89.136		
200.0	200.0	200.0	200.0	0.3	0.3	0.80	20.0	0.3	20.0	19.4	0.67	29.712		
300.0	300.0	300.0	300.0	0.6	0.6	0.80	20.0	0.3	20.0	18.9	1.12	17.827		
400.0	400.0	400.0	400.0	0.8	0.8	0.80	20.0	0.3	20.0	18.5	1.57	12.734 CC, ES		
500.0	500.0	500.0	500.0	1.0	1.0	172.77	20.0	0.3	21.3	19.3	2.00	10.658		
600.0	599.9	599.9	599.9	1.2	1.2	173.89	20.0	0.3	25.2	22.8	2.42	10.416		
700.0	699.7	700.5	700.5	1.4	1.4	174.87	18.7	0.0	30.4	27.6	2.83	10.763		
800.0	799.3	801.2	801.1	1.6	1.6	175.45	14.8	-0.6	35.6	32.4	3.22	11.055		
900.0	898.6	902.1	901.8	1.9	1.8	175.78	8.3	-1.8	40.8	37.2	3.64	11.226		
1,000.0	997.5	1,003.1	1,002.4	2.2	2.0	175.94	-0.9	-3.4	46.0	41.9	4.07	11.317		
1,100.0	1,096.1	1,104.3	1,102.8	2.5	2.3	175.99	-12.7	-5.5	51.2	46.7	4.51	11.351		
1,200.0	1,194.2	1,205.5	1,203.0	2.9	2.6	175.95	-27.1	-8.1	56.3	51.3	4.96	11.344		
1,300.0	1,291.7	1,307.0	1,302.9	3.3	2.9	175.85	-44.2	-11.1	61.4	56.0	5.43	11.303		
1,394.7	1,383.5	1,403.1	1,397.2	3.8	3.3	175.71	-62.8	-14.4	66.2	60.3	5.89	11.240		
1,400.0	1,388.6	1,408.5	1,402.5	3.8	3.3	175.70	-63.9	-14.6	66.4	60.5	5.91	11.234		
1,500.0	1,485.2	1,510.3	1,501.7	4.3	3.7	175.43	-86.3	-18.5	70.0	63.6	6.42	10.904		
1,600.0	1,581.9	1,611.6	1,599.9	4.8	4.1	174.95	-111.0	-22.9	71.1	64.1	6.95	10.226		
1,700.0	1,678.5	1,711.6	1,696.6	5.3	4.6	174.42	-136.1	-27.3	71.4	63.9	7.48	9.544		
1,800.0	1,775.1	1,811.6	1,793.3	5.8	5.1	173.90	-161.2	-31.8	71.8	63.7	8.03	8.938		
1,900.0	1,871.8	1,911.6	1,890.0	6.3	5.6	173.39	-186.3	-36.2	72.1	63.5	8.59	8.401		
2,000.0	1,968.4	2,011.6	1,986.6	6.9	6.1	172.88	-211.4	-40.7	72.5	63.3	9.15	7.922		
2,100.0	2,065.0	2,111.6	2,083.3	7.4	6.6	172.37	-236.5	-45.1	72.9	63.1	9.72	7.494		
2,200.0	2,161.6	2,211.6	2,180.0	7.9	7.1	171.87	-261.6	-49.5	73.2	62.9	10.30	7.109		
2,300.0	2,258.3	2,311.6	2,276.7	8.4	7.6	171.37	-286.6	-54.0	73.6	62.7	10.89	6.760		
2,400.0	2,354.9	2,411.6	2,373.4	9.0	8.2	170.88	-311.7	-58.4	74.0	62.5	11.48	6.444		
2,500.0	2,451.5	2,511.6	2,470.1	9.5	8.7	170.40	-336.8	-62.9	74.4	62.3	12.09	6.156		
2,600.0	2,548.2	2,611.6	2,566.8	10.0	9.2	169.92	-361.9	-67.3	74.8	62.1	12.69	5.893		
2,700.0	2,644.8	2,711.6	2,663.5	10.6	9.7	169.44	-387.0	-71.7	75.2	61.9	13.31	5.651		
2,800.0	2,741.4	2,811.6	2,760.2	11.1	10.2	168.97	-412.1	-76.2	75.6	61.7	13.93	5.428		
2,900.0	2,838.0	2,911.6	2,856.9	11.6	10.8	168.51	-437.2	-80.6	76.0	61.5	14.55	5.223		
3,000.0	2,934.7	3,011.6	2,953.6	12.2	11.3	168.05	-462.3	-85.1	76.4	61.2	15.19	5.033		
3,100.0	3,031.3	3,111.6	3,050.3	12.7	11.8	167.60	-487.4	-89.5	76.9	61.0	15.83	4.856		
3,200.0	3,127.9	3,211.6	3,147.0	13.3	12.4	167.15	-512.5	-93.9	77.3	60.8	16.47	4.691		
3,300.0	3,224.6	3,311.6	3,243.7	13.8	12.9	166.70	-537.6	-98.4	77.7	60.6	17.13	4.538		
3,400.0	3,321.2	3,411.6	3,340.4	14.3	13.4	166.26	-562.6	-102.8	78.2	60.4	17.79	4.394		
3,500.0	3,417.8	3,511.6	3,437.1	14.9	13.9	165.83	-587.7	-107.3	78.6	60.1	18.45	4.260		
3,600.0	3,514.4	3,611.6	3,533.8	15.4	14.5	165.40	-612.8	-111.7	79.0	59.9	19.12	4.134		
3,700.0	3,611.1	3,711.6	3,630.5	15.9	15.0	164.97	-637.9	-116.1	79.5	59.7	19.80	4.015		
3,800.0	3,707.7	3,811.6	3,727.2	16.5	15.5	164.55	-663.0	-120.6	80.0	59.5	20.48	3.903		
3,900.0	3,804.3	3,911.6	3,823.9	17.0	16.1	164.14	-688.1	-125.0	80.4	59.2	21.17	3.798		
4,000.0	3,901.0	4,011.6	3,920.6	17.6	16.6	163.73	-713.2	-129.4	80.9	59.0	21.87	3.698		
4,100.0	3,997.6	4,111.6	4,017.3	18.1	17.1	163.32	-738.3	-133.9	81.3	58.8	22.57	3.604		
4,200.0	4,094.2	4,211.6	4,114.0	18.6	17.7	162.92	-763.4	-138.3	81.8	58.5	23.28	3.515		
4,300.0	4,190.8	4,311.5	4,210.7	19.2	18.2	162.52	-788.5	-142.8	82.3	58.3	23.99	3.430		
4,400.0	4,287.5	4,411.5	4,307.4	19.7	18.7	162.13	-813.5	-147.2	82.8	58.1	24.71	3.350		
4,500.0	4,384.1	4,511.5	4,404.1	20.2	19.3	161.74	-838.6	-151.6	83.2	57.8	25.43	3.273		
4,600.0	4,480.7	4,611.5	4,500.8	20.8	19.8	161.36	-863.7	-156.1	83.7	57.6	26.16	3.201		
4,700.0	4,577.4	4,711.5	4,597.5	21.3	20.3	160.98	-888.8	-160.5	84.2	57.3	26.90	3.131		
4,800.0	4,674.0	4,811.5	4,694.2	21.9	20.9	160.60	-913.9	-165.0	84.7	57.1	27.64	3.065		
4,900.0	4,770.6	4,911.5	4,790.8	22.4	21.4	160.23	-939.0	-169.4	85.2	56.8	28.39	3.002		
5,000.0	4,867.2	5,011.5	4,887.5	22.9	21.9	159.87	-964.1	-173.8	85.7	56.6	29.14	2.942		

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 44-2C
Project:	SEC.2-T4N-R68W	TVD Reference:	WELL @ 5013.5ft (Ensign 131 RKB - 13.5')
Reference Site:	SRC Vista Pad Sec.2-T4N-R68W	MD Reference:	WELL @ 5013.5ft (Ensign 131 RKB - 13.5')
Site Error:	0.0 ft	North Reference:	True
Reference Well:	SRC Vista 44-2C	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 ft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	US_EDM
Reference Design:	Plan #2 (9-21-15)	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		
5,100.0	4,963.9	5,111.5	4,984.2	23.5	22.5	159.51	-989.2	-178.3	86.2	56.3	29.90	2.884		
5,200.0	5,060.5	5,211.2	5,080.6	24.0	23.0	159.16	-1,014.2	-182.7	86.8	56.1	30.65	2.831		
5,300.0	5,157.1	5,308.4	5,175.1	24.6	23.3	159.33	-1,036.6	-186.7	89.2	58.1	31.19	2.862		
5,400.0	5,253.8	5,405.3	5,270.1	25.1	23.6	160.23	-1,055.8	-190.1	94.9	63.4	31.49	3.013		
5,500.0	5,350.4	5,501.8	5,365.1	25.6	23.9	161.67	-1,071.7	-192.9	103.7	72.1	31.63	3.278		
5,600.0	5,447.0	5,597.5	5,460.0	26.2	24.1	163.39	-1,084.4	-195.1	115.7	84.0	31.68	3.653		
5,700.0	5,543.6	5,692.4	5,554.4	26.7	24.3	165.18	-1,093.9	-196.8	131.0	99.3	31.72	4.130		
5,719.4	5,562.4	5,710.6	5,572.6	26.8	24.4	165.52	-1,095.4	-197.1	134.4	102.6	31.73	4.234		
5,800.0	5,640.5	5,786.3	5,648.1	27.2	24.5	166.87	-1,100.3	-197.9	148.5	116.7	31.79	4.670		
5,900.0	5,738.2	5,879.8	5,741.5	27.5	24.6	168.24	-1,103.6	-198.5	165.9	134.0	31.88	5.203		
6,000.0	5,836.6	5,974.9	5,836.6	27.8	24.7	169.36	-1,104.2	-198.6	182.8	150.8	31.99	5.716		
6,100.0	5,935.6	6,073.9	5,935.6	28.0	24.8	170.19	-1,104.2	-198.6	197.1	164.9	32.11	6.136		
6,200.0	6,035.0	6,173.3	6,035.0	28.3	24.9	170.74	-1,104.2	-198.6	207.9	175.6	32.25	6.447		
6,300.0	6,134.7	6,273.0	6,134.7	28.4	25.0	171.08	-1,104.2	-198.6	215.3	182.9	32.37	6.651		
6,400.0	6,234.6	6,372.7	6,234.3	28.6	25.1	171.73	-1,104.1	-198.6	219.3	186.9	32.40	6.770		
6,465.4	6,300.0	6,437.0	6,298.2	28.6	25.1	2.18	-1,104.1	-189.4	220.3	166.8	53.55	4.114		
6,500.0	6,334.6	6,470.4	6,331.0	28.7	25.2	3.76	-1,104.0	-183.3	220.7	167.0	53.70	4.110		
6,600.0	6,434.6	6,562.8	6,420.0	28.7	25.2	10.09	-1,103.7	-158.6	224.4	170.5	53.90	4.164		
6,669.2	6,503.8	6,622.4	6,475.4	28.8	25.2	15.50	-1,103.4	-136.6	230.8	177.2	53.66	4.302		
6,700.0	6,534.6	6,650.0	6,500.4	28.8	25.2	-70.89	-1,103.3	-124.9	234.9	201.6	33.30	7.055		
6,750.0	6,584.4	6,688.6	6,534.5	28.9	25.2	-66.87	-1,103.1	-106.9	242.5	208.4	34.11	7.110		
6,800.0	6,633.9	6,728.5	6,568.8	28.9	25.2	-62.97	-1,102.9	-86.4	251.1	216.1	35.02	7.172		
6,850.0	6,682.7	6,767.9	6,601.3	28.9	25.2	-59.41	-1,102.6	-64.3	260.5	224.7	35.87	7.264		
6,900.0	6,730.6	6,806.6	6,632.2	28.9	25.3	-56.17	-1,102.3	-40.9	270.4	233.9	36.56	7.397		
6,950.0	6,777.4	6,844.8	6,661.3	29.0	25.3	-53.24	-1,102.0	-16.2	280.6	243.6	37.04	7.577		
7,000.0	6,822.9	6,882.5	6,688.7	29.0	25.3	-50.61	-1,101.7	9.6	290.9	253.7	37.28	7.804		
7,050.0	6,866.9	6,919.8	6,714.5	29.0	25.3	-48.26	-1,101.4	36.6	301.2	264.0	37.22	8.092		
7,100.0	6,909.1	6,956.7	6,738.5	29.0	25.3	-46.16	-1,101.1	64.6	311.3	274.4	36.90	8.435		
7,150.0	6,949.3	6,993.2	6,760.9	29.0	25.3	-44.29	-1,100.7	93.4	321.0	284.7	36.33	8.836		
7,200.0	6,987.3	7,029.4	6,781.6	29.0	25.4	-42.64	-1,100.4	123.1	330.4	294.8	35.52	9.300		
7,250.0	7,023.0	7,065.4	6,800.6	29.0	25.4	-41.18	-1,100.0	153.6	339.2	304.7	34.50	9.831		
7,300.0	7,056.1	7,100.0	6,817.5	29.1	25.5	-39.92	-1,099.7	183.9	347.5	314.2	33.29	10.438		
7,350.0	7,086.6	7,136.5	6,833.7	29.1	25.6	-38.78	-1,099.3	216.6	355.1	323.1	31.95	11.114		
7,400.0	7,114.2	7,171.8	6,847.7	29.1	25.6	-37.82	-1,098.9	249.0	362.0	331.5	30.49	11.872		
7,450.0	7,138.9	7,200.0	6,857.8	29.2	25.7	-37.08	-1,098.6	275.3	368.3	339.4	28.92	12.736		
7,500.0	7,160.4	7,241.9	6,870.8	29.3	25.9	-36.29	-1,098.1	315.1	373.6	346.1	27.46	13.606		
7,550.0	7,178.8	7,276.7	6,879.8	29.4	26.0	-35.72	-1,097.8	348.8	378.2	352.2	26.00	14.546		
7,600.0	7,193.8	7,311.5	6,887.2	29.6	26.2	-35.26	-1,097.4	382.7	382.0	357.3	24.66	15.486		
7,650.0	7,205.5	7,350.0	6,893.4	29.7	26.4	-34.90	-1,096.9	420.7	384.9	361.3	23.57	16.332		
7,700.0	7,213.8	7,380.7	6,896.9	30.0	26.7	-34.68	-1,096.6	451.3	386.9	364.2	22.67	17.064		
7,750.0	7,218.6	7,415.3	6,899.3	30.2	26.9	-34.54	-1,096.1	485.8	388.1	365.9	22.16	17.514		
7,794.2	7,220.0	7,447.1	6,900.0	30.6	27.2	-34.51	-1,095.8	517.5	388.3	366.3	22.04	17.621		
7,796.0	7,220.0	7,447.1	6,900.0	30.6	27.2	-34.51	-1,095.8	517.5	388.3	366.3	22.06	17.603		
7,800.0	7,220.0	7,451.1	6,900.0	30.6	27.3	-34.51	-1,095.7	521.5	388.3	366.2	22.16	17.521		
7,900.0	7,220.0	7,551.1	6,900.0	31.5	28.5	-34.51	-1,094.6	621.5	388.3	363.5	24.82	15.647		
8,000.0	7,220.0	7,651.1	6,900.0	32.7	30.0	-34.51	-1,093.4	721.5	388.3	360.7	27.63	14.057		
8,100.0	7,220.0	7,751.1	6,900.0	34.2	31.8	-34.51	-1,092.2	821.5	388.3	357.8	30.56	12.709		
8,200.0	7,220.0	7,851.1	6,900.0	35.9	33.8	-34.51	-1,091.0	921.5	388.3	354.8	33.58	11.565		
8,300.0	7,220.0	7,951.1	6,900.0	37.8	36.0	-34.51	-1,089.9	1,021.5	388.3	351.7	36.67	10.591		
8,400.0	7,220.0	8,051.1	6,900.0	39.9	38.2	-34.51	-1,088.7	1,121.5	388.3	348.5	39.81	9.755		
8,500.0	7,220.0	8,151.1	6,900.0	42.1	40.6	-34.51	-1,087.5	1,221.5	388.3	345.4	42.99	9.033		
8,600.0	7,220.0	8,251.1	6,900.0	44.4	43.0	-34.51	-1,086.4	1,321.5	388.3	342.1	46.21	8.404		

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 44-2C
Project:	SEC.2-T4N-R68W	TVD Reference:	WELL @ 5013.5ft (Ensign 131 RKB - 13.5')
Reference Site:	SRC Vista Pad Sec.2-T4N-R68W	MD Reference:	WELL @ 5013.5ft (Ensign 131 RKB - 13.5')
Site Error:	0.0 ft	North Reference:	True
Reference Well:	SRC Vista 44-2C	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 ft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	US_EDM
Reference Design:	Plan #2 (9-21-15)	Offset TVD Reference:	Offset Datum

Offset Design SRC Vista Pad Sec.2-T4N-R68W - SRC Vista 44-2N-A - Wellbore #1 - Plan #2 (9-21-15)													Offset Site Error:	0.0 ft
Survey Program: 0-MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,700.0	7,220.0	8,351.1	6,900.0	46.7	45.5	-34.51	-1,085.2	1,421.5	388.3	338.9	49.45	7.854		
8,800.0	7,220.0	8,451.1	6,900.0	49.2	48.0	-34.51	-1,084.0	1,521.5	388.3	335.6	52.71	7.368		
8,900.0	7,220.0	8,551.1	6,900.0	51.6	50.5	-34.51	-1,082.8	1,621.5	388.3	332.4	55.99	6.936		
9,000.0	7,220.0	8,651.1	6,900.0	54.1	53.1	-34.51	-1,081.7	1,721.5	388.3	329.1	59.28	6.551		
9,100.0	7,220.0	8,751.1	6,900.0	56.7	55.7	-34.51	-1,080.5	1,821.5	388.3	325.8	62.59	6.205		
9,200.0	7,220.0	8,851.1	6,900.0	59.2	58.3	-34.51	-1,079.3	1,921.5	388.3	322.4	65.91	5.892		
9,300.0	7,220.0	8,951.1	6,900.0	61.8	60.9	-34.51	-1,078.1	2,021.4	388.3	319.1	69.23	5.609		
9,400.0	7,220.0	9,051.1	6,900.0	64.4	63.5	-34.51	-1,077.0	2,121.4	388.3	315.8	72.57	5.352		
9,500.0	7,220.0	9,151.1	6,900.0	67.0	66.2	-34.51	-1,075.8	2,221.4	388.3	312.4	75.91	5.116		
9,600.0	7,220.0	9,251.1	6,900.0	69.7	68.9	-34.51	-1,074.6	2,321.4	388.3	309.1	79.25	4.900		
9,700.0	7,220.0	9,351.1	6,900.0	72.3	71.6	-34.51	-1,073.5	2,421.4	388.3	305.7	82.60	4.701		
9,800.0	7,220.0	9,451.1	6,900.0	75.0	74.3	-34.51	-1,072.3	2,521.4	388.3	302.4	85.96	4.518		
9,900.0	7,220.0	9,551.1	6,900.0	77.6	77.0	-34.51	-1,071.1	2,621.4	388.3	299.0	89.32	4.348		
10,000.0	7,220.0	9,651.1	6,900.0	80.3	79.7	-34.51	-1,069.9	2,721.4	388.3	295.7	92.68	4.190		
10,100.0	7,220.0	9,751.1	6,900.0	83.0	82.4	-34.51	-1,068.8	2,821.4	388.3	292.3	96.05	4.043		
10,200.0	7,220.0	9,851.1	6,900.0	85.7	85.1	-34.51	-1,067.6	2,921.4	388.3	288.9	99.42	3.906		
10,300.0	7,220.0	9,951.1	6,900.0	88.4	87.8	-34.51	-1,066.4	3,021.4	388.3	285.6	102.79	3.778		
10,400.0	7,220.0	10,051.1	6,900.0	91.1	90.5	-34.51	-1,065.3	3,121.4	388.3	282.2	106.16	3.658		
10,500.0	7,220.0	10,151.1	6,900.0	93.9	93.3	-34.51	-1,064.1	3,221.4	388.3	278.8	109.54	3.545		
10,600.0	7,220.0	10,251.1	6,900.0	96.6	96.0	-34.51	-1,062.9	3,321.4	388.3	275.4	112.92	3.439		
10,700.0	7,220.0	10,351.1	6,900.0	99.3	98.8	-34.51	-1,061.7	3,421.3	388.3	272.0	116.30	3.339		
10,800.0	7,220.0	10,451.1	6,900.0	102.0	101.5	-34.51	-1,060.6	3,521.3	388.3	268.7	119.68	3.245		
10,900.0	7,220.0	10,551.1	6,900.0	104.8	104.3	-34.51	-1,059.4	3,621.3	388.3	265.3	123.06	3.156		
11,000.0	7,220.0	10,651.1	6,900.0	107.5	107.0	-34.51	-1,058.2	3,721.3	388.3	261.9	126.45	3.071		
11,100.0	7,220.0	10,751.1	6,900.0	110.2	109.8	-34.51	-1,057.1	3,821.3	388.3	258.5	129.83	2.991		
11,200.0	7,220.0	10,851.1	6,900.0	113.0	112.5	-34.51	-1,055.9	3,921.3	388.3	255.1	133.22	2.915		
11,300.0	7,220.0	10,951.1	6,900.0	115.7	115.3	-34.51	-1,054.7	4,021.3	388.3	251.7	136.61	2.843		
11,400.0	7,220.0	11,051.1	6,900.0	118.5	118.0	-34.51	-1,053.5	4,121.3	388.3	248.4	140.00	2.774		
11,500.0	7,220.0	11,151.1	6,900.0	121.2	120.8	-34.51	-1,052.4	4,221.3	388.3	245.0	143.39	2.708		
11,600.0	7,220.0	11,251.1	6,900.0	124.0	123.6	-34.51	-1,051.2	4,321.3	388.3	241.6	146.78	2.646		
11,700.0	7,220.0	11,351.1	6,900.0	126.8	126.3	-34.51	-1,050.0	4,421.3	388.3	238.2	150.17	2.586		
11,800.0	7,220.0	11,451.1	6,900.0	129.5	129.1	-34.51	-1,048.9	4,521.3	388.3	234.8	153.56	2.529		
11,867.6	7,220.0	11,518.7	6,900.0	131.4	131.0	-34.51	-1,048.1	4,588.9	388.3	232.5	155.86	2.492 SF		

Company:	Synergy Resources	Local Co-ordinate Reference:	Well SRC Vista 44-2C
Project:	SEC.2-T4N-R68W	TVD Reference:	WELL @ 5013.5ft (Ensign 131 RKB - 13.5')
Reference Site:	SRC Vista Pad Sec.2-T4N-R68W	MD Reference:	WELL @ 5013.5ft (Ensign 131 RKB - 13.5')
Site Error:	0.0 ft	North Reference:	True
Reference Well:	SRC Vista 44-2C	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 ft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	US_EDM
Reference Design:	Plan #2 (9-21-15)	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.0 ft
Survey Program: 0-MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.0	0.0	0.0	0.0	0.0	0.0	179.20	-20.0	0.3	20.0					
100.0	100.0	100.0	100.0	0.1	0.1	179.20	-20.0	0.3	20.0	19.8	0.22	89.118		
200.0	200.0	200.0	200.0	0.3	0.3	179.20	-20.0	0.3	20.0	19.4	0.67	29.706 CC, ES		
300.0	300.0	299.5	299.4	0.6	0.5	179.69	-21.3	0.1	21.3	20.2	1.10	19.378		
400.0	400.0	398.8	398.7	0.8	0.7	-179.15	-25.2	-0.4	25.2	23.7	1.53	16.493		
500.0	500.0	497.9	497.6	1.0	1.0	-6.61	-31.5	-1.2	30.4	28.4	1.94	15.649		
600.0	599.9	597.0	596.2	1.2	1.2	-5.96	-40.5	-2.3	35.5	33.2	2.35	15.100		
700.0	699.7	695.8	694.4	1.4	1.5	-5.57	-51.9	-3.8	40.7	37.9	2.78	14.599		
800.0	799.3	794.6	792.2	1.6	1.8	-5.33	-65.8	-5.5	45.8	42.5	3.23	14.158		
900.0	898.6	893.2	889.4	1.9	2.2	-5.20	-82.3	-7.6	50.8	47.2	3.69	13.766		
1,000.0	997.5	991.7	986.1	2.2	2.6	-5.16	-101.1	-10.0	55.9	51.7	4.17	13.410		
1,100.0	1,096.1	1,090.1	1,082.1	2.5	3.0	-5.18	-122.4	-12.7	60.9	56.3	4.66	13.082		
1,200.0	1,194.2	1,188.3	1,177.3	2.9	3.5	-5.24	-146.2	-15.8	65.9	60.7	5.16	12.774		
1,300.0	1,291.7	1,286.5	1,271.9	3.3	4.0	-5.35	-172.3	-19.1	70.8	65.1	5.68	12.478		
1,394.7	1,383.5	1,379.3	1,360.6	3.8	4.5	-5.47	-199.2	-22.5	75.4	69.3	6.18	12.217		
1,400.0	1,388.6	1,384.5	1,365.6	3.8	4.5	-5.48	-200.8	-22.7	75.7	69.5	6.20	12.201		
1,500.0	1,485.2	1,483.6	1,459.7	4.3	5.1	-5.57	-231.5	-26.6	81.5	74.7	6.76	12.046		
1,600.0	1,581.9	1,583.4	1,554.5	4.8	5.7	-5.65	-262.6	-30.5	87.4	80.1	7.33	11.923		
1,700.0	1,678.5	1,683.2	1,649.3	5.3	6.4	-5.71	-293.7	-34.5	93.3	85.4	7.90	11.807		
1,800.0	1,775.1	1,783.1	1,744.1	5.8	7.0	-5.77	-324.7	-38.4	99.2	90.7	8.48	11.699		
1,900.0	1,871.8	1,882.9	1,838.9	6.3	7.6	-5.82	-355.8	-42.4	105.1	96.1	9.06	11.600		
2,000.0	1,968.4	1,982.7	1,933.6	6.9	8.2	-5.86	-386.9	-46.3	111.1	101.4	9.65	11.507		
2,100.0	2,065.0	2,082.5	2,028.4	7.4	8.9	-5.90	-418.0	-50.3	117.0	106.7	10.24	11.422		
2,200.0	2,161.6	2,182.4	2,123.2	7.9	9.5	-5.94	-449.1	-54.2	122.9	112.1	10.84	11.343		
2,300.0	2,258.3	2,282.2	2,218.0	8.4	10.1	-5.97	-480.2	-58.2	128.8	117.4	11.43	11.270		
2,400.0	2,354.9	2,382.0	2,312.7	9.0	10.8	-6.00	-511.3	-62.1	134.8	122.7	12.03	11.203		
2,500.0	2,451.5	2,481.8	2,407.5	9.5	11.4	-6.03	-542.4	-66.1	140.7	128.0	12.63	11.141		
2,600.0	2,548.2	2,581.7	2,502.3	10.0	12.0	-6.05	-573.5	-70.1	146.6	133.4	13.23	11.083		
2,700.0	2,644.8	2,681.5	2,597.1	10.6	12.6	-6.08	-604.5	-74.0	152.5	138.7	13.83	11.029		
2,800.0	2,741.4	2,781.3	2,691.9	11.1	13.3	-6.10	-635.6	-78.0	158.4	144.0	14.43	10.978		
2,900.0	2,838.0	2,881.1	2,786.6	11.6	13.9	-6.12	-666.7	-81.9	164.4	149.3	15.04	10.931		
3,000.0	2,934.7	2,981.0	2,881.4	12.2	14.5	-6.14	-697.8	-85.9	170.3	154.6	15.64	10.887		
3,100.0	3,031.3	3,080.8	2,976.2	12.7	15.2	-6.16	-728.9	-89.8	176.2	160.0	16.25	10.846		
3,200.0	3,127.9	3,180.6	3,071.0	13.3	15.8	-6.17	-760.0	-93.8	182.1	165.3	16.85	10.808		
3,300.0	3,224.6	3,280.4	3,165.7	13.8	16.5	-6.19	-791.1	-97.7	188.0	170.6	17.46	10.771		
3,400.0	3,321.2	3,380.3	3,260.5	14.3	17.1	-6.20	-822.2	-101.7	194.0	175.9	18.07	10.737		
3,500.0	3,417.8	3,480.1	3,355.3	14.9	17.7	-6.22	-853.2	-105.6	199.9	181.2	18.67	10.705		
3,600.0	3,514.4	3,579.9	3,450.1	15.4	18.4	-6.23	-884.3	-109.6	205.8	186.5	19.28	10.674		
3,700.0	3,611.1	3,679.7	3,544.9	15.9	19.0	-6.24	-915.4	-113.5	211.7	191.8	19.89	10.645		
3,800.0	3,707.7	3,779.6	3,639.6	16.5	19.6	-6.25	-946.5	-117.5	217.7	197.2	20.50	10.618		
3,900.0	3,804.3	3,879.4	3,734.4	17.0	20.3	-6.26	-977.6	-121.4	223.6	202.5	21.11	10.592		
4,000.0	3,901.0	3,979.2	3,829.2	17.6	20.9	-6.27	-1,008.7	-125.4	229.5	207.8	21.72	10.568		
4,100.0	3,997.6	4,079.0	3,924.0	18.1	21.5	-6.28	-1,039.8	-129.3	235.4	213.1	22.33	10.544		
4,200.0	4,094.2	4,178.9	4,018.7	18.6	22.2	-6.29	-1,070.9	-133.3	241.3	218.4	22.94	10.522		
4,300.0	4,190.8	4,278.7	4,113.5	19.2	22.8	-6.30	-1,102.0	-137.2	247.3	223.7	23.55	10.501		
4,400.0	4,287.5	4,378.5	4,208.3	19.7	23.4	-6.31	-1,133.0	-141.2	253.2	229.0	24.16	10.480		
4,500.0	4,384.1	4,478.3	4,303.1	20.2	24.1	-6.32	-1,164.1	-145.1	259.1	234.3	24.77	10.461		
4,600.0	4,480.7	4,578.2	4,397.9	20.8	24.7	-6.32	-1,195.2	-149.1	265.0	239.7	25.38	10.443		
4,700.0	4,577.4	4,678.0	4,492.6	21.3	25.4	-6.33	-1,226.3	-153.0	271.0	245.0	25.99	10.425		
4,800.0	4,674.0	4,777.8	4,587.4	21.9	26.0	-6.34	-1,257.4	-157.0	276.9	250.3	26.60	10.408		
4,900.0	4,770.6	4,877.6	4,682.2	22.4	26.6	-6.35	-1,288.5	-160.9	282.8	255.6	27.21	10.392		
5,000.0	4,867.2	4,977.5	4,777.0	22.9	27.3	-6.35	-1,319.6	-164.9	288.7	260.9	27.83	10.376		

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 44-2C
Project:	SEC.2-T4N-R68W	TVD Reference:	WELL @ 5013.5ft (Ensign 131 RKB - 13.5')
Reference Site:	SRC Vista Pad Sec.2-T4N-R68W	MD Reference:	WELL @ 5013.5ft (Ensign 131 RKB - 13.5')
Site Error:	0.0 ft	North Reference:	True
Reference Well:	SRC Vista 44-2C	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 ft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	US_EDM
Reference Design:	Plan #2 (9-21-15)	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		
5,100.0	4,963.9	5,077.3	4,871.7	23.5	27.9	-6.36	-1,350.7	-168.8	294.6	266.2	28.44	10.361		
5,200.0	5,060.5	5,177.1	4,966.5	24.0	28.5	-6.36	-1,381.8	-172.8	300.6	271.5	29.05	10.347		
5,300.0	5,157.1	5,276.9	5,061.3	24.6	29.2	-6.37	-1,412.8	-176.7	306.5	276.8	29.66	10.333		
5,400.0	5,253.8	5,383.9	5,163.0	25.1	29.8	-6.39	-1,445.4	-180.9	311.7	281.5	30.28	10.295		
5,500.0	5,350.4	5,496.0	5,271.0	25.6	30.2	-6.47	-1,475.9	-184.7	313.4	282.6	30.88	10.150		
5,600.0	5,447.0	5,608.2	5,379.9	26.2	30.6	-6.63	-1,502.1	-188.1	311.2	279.8	31.47	9.891		
5,700.0	5,543.6	5,720.0	5,489.5	26.7	31.0	-6.87	-1,523.9	-190.8	305.2	273.1	32.04	9.523		
5,719.4	5,562.4	5,741.6	5,510.8	26.8	31.0	-6.93	-1,527.7	-191.3	303.5	271.4	32.15	9.440		
5,800.0	5,640.5	5,831.2	5,599.3	27.2	31.3	-7.16	-1,541.5	-193.1	296.3	263.8	32.57	9.097		
5,900.0	5,738.2	5,942.0	5,709.3	27.5	31.5	-7.45	-1,554.8	-194.8	287.1	254.1	33.01	8.696		
6,000.0	5,836.6	6,052.3	5,819.2	27.8	31.7	-7.76	-1,563.8	-195.9	277.4	244.1	33.38	8.311		
6,100.0	5,935.6	6,162.2	5,929.0	28.0	31.8	-8.07	-1,568.6	-196.5	267.5	233.8	33.68	7.941		
6,200.0	6,035.0	6,268.2	6,035.0	28.3	31.9	-8.39	-1,569.4	-196.6	257.4	223.5	33.92	7.587		
6,300.0	6,134.7	6,367.9	6,134.7	28.4	32.0	-8.62	-1,569.4	-196.6	250.0	215.9	34.08	7.334		
6,400.0	6,234.6	6,467.8	6,234.5	28.6	32.1	-9.17	-1,569.4	-194.8	246.0	211.7	34.24	7.184		
6,454.0	6,288.5	6,521.1	6,287.6	28.6	32.1	-10.54	-1,569.4	-189.1	245.3	210.8	34.52	7.108		
6,465.4	6,300.0	6,532.3	6,298.7	28.6	32.1	177.56	-1,569.3	-187.4	245.4	185.2	60.17	4.078		
6,500.0	6,334.6	6,565.8	6,331.5	28.7	32.1	176.13	-1,569.3	-181.2	245.7	185.6	60.05	4.091		
6,600.0	6,434.6	6,658.5	6,420.8	28.7	32.2	170.38	-1,569.1	-156.3	248.8	189.5	59.26	4.197		
6,669.2	6,503.8	6,718.3	6,476.3	28.8	32.2	165.42	-1,568.9	-134.2	254.3	196.0	58.30	4.362		
6,700.0	6,534.6	6,743.8	6,499.4	28.8	32.2	73.57	-1,568.8	-123.3	257.9	218.2	39.74	6.489		
6,750.0	6,584.4	6,784.6	6,535.5	28.9	32.2	69.66	-1,568.6	-104.3	264.7	223.3	41.44	6.387		
6,800.0	6,633.9	6,824.7	6,569.8	28.9	32.2	66.00	-1,568.4	-83.7	272.5	229.6	42.96	6.344		
6,850.0	6,682.7	6,864.1	6,602.4	28.9	32.2	62.62	-1,568.2	-61.6	281.1	236.9	44.21	6.359		
6,900.0	6,730.6	6,900.0	6,631.0	28.9	32.2	59.68	-1,568.1	-39.8	290.3	245.2	45.06	6.441		
6,950.0	6,777.4	6,941.1	6,662.4	29.0	32.2	56.67	-1,567.8	-13.2	299.8	254.1	45.68	6.563		
7,000.0	6,822.9	6,978.9	6,689.8	29.0	32.2	54.09	-1,567.6	12.7	309.4	263.6	45.84	6.750		
7,050.0	6,866.9	7,016.2	6,715.5	29.0	32.3	51.76	-1,567.4	39.8	319.1	273.3	45.78	6.971		
7,100.0	6,909.1	7,050.0	6,737.6	29.0	32.3	49.78	-1,567.1	65.4	328.7	283.5	45.22	7.269		
7,150.0	6,949.3	7,089.8	6,761.9	29.0	32.3	47.78	-1,566.9	96.8	338.0	293.5	44.49	7.597		
7,200.0	6,987.3	7,126.0	6,782.5	29.0	32.3	46.11	-1,566.6	126.6	347.0	303.5	43.49	7.978		
7,250.0	7,023.0	7,162.0	6,801.5	29.0	32.4	44.62	-1,566.3	157.1	355.5	313.2	42.31	8.403		
7,300.0	7,056.1	7,200.0	6,819.9	29.1	32.4	43.26	-1,566.0	190.4	363.5	322.5	41.01	8.865		
7,350.0	7,086.6	7,233.2	6,834.5	29.1	32.5	42.16	-1,565.8	220.2	370.9	331.3	39.66	9.353		
7,400.0	7,114.2	7,268.5	6,848.4	29.1	32.5	41.16	-1,565.5	252.7	377.7	339.4	38.33	9.854		
7,450.0	7,138.9	7,300.0	6,859.5	29.2	32.6	40.36	-1,565.2	282.1	383.8	346.7	37.11	10.344		
7,500.0	7,160.4	7,338.6	6,871.3	29.3	32.7	39.58	-1,564.9	318.9	389.2	353.1	36.10	10.781		
7,550.0	7,178.8	7,373.5	6,880.3	29.4	32.8	38.98	-1,564.6	352.6	393.8	358.4	35.37	11.134		
7,600.0	7,193.8	7,408.2	6,887.5	29.6	32.9	38.51	-1,564.3	386.6	397.6	362.6	35.00	11.358		
7,650.0	7,205.5	7,450.0	6,894.1	29.7	33.1	38.10	-1,564.0	427.8	400.6	365.5	35.11	11.409		
7,700.0	7,213.8	7,477.5	6,897.1	30.0	33.2	37.89	-1,563.7	455.2	402.7	367.1	35.61	11.308		
7,750.0	7,218.6	7,512.1	6,899.4	30.2	33.4	37.74	-1,563.4	489.7	404.0	367.4	36.63	11.029		
7,794.2	7,220.0	7,543.0	6,900.0	30.6	33.6	37.70	-1,563.1	520.5	404.5	366.5	37.92	10.667		
7,800.0	7,220.0	7,548.7	6,900.0	30.6	33.6	37.70	-1,563.1	526.3	404.5	366.4	38.06	10.628		
7,900.0	7,220.0	7,648.7	6,900.0	31.5	34.4	37.74	-1,562.2	626.3	404.6	364.1	40.56	9.976		
8,000.0	7,220.0	7,748.7	6,900.0	32.7	35.3	37.77	-1,561.3	726.3	404.8	361.6	43.22	9.366		
8,100.0	7,220.0	7,848.7	6,900.0	34.2	36.6	37.80	-1,560.5	826.3	405.0	359.0	46.02	8.801		
8,200.0	7,220.0	7,948.7	6,900.0	35.9	38.0	37.84	-1,559.6	926.3	405.2	356.3	48.93	8.281		
8,300.0	7,220.0	8,048.7	6,900.0	37.8	39.7	37.87	-1,558.7	1,026.3	405.4	353.4	51.94	7.805		
8,400.0	7,220.0	8,148.7	6,900.0	39.9	41.6	37.90	-1,557.8	1,126.3	405.5	350.5	55.02	7.370		
8,500.0	7,220.0	8,248.7	6,900.0	42.1	43.6	37.94	-1,557.0	1,226.3	405.7	347.5	58.18	6.974		
8,600.0	7,220.0	8,348.7	6,900.0	44.4	45.8	37.97	-1,556.1	1,326.3	405.9	344.5	61.40	6.611		

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 44-2C
Project:	SEC.2-T4N-R68W	TVD Reference:	WELL @ 5013.5ft (Ensign 131 RKB - 13.5')
Reference Site:	SRC Vista Pad Sec.2-T4N-R68W	MD Reference:	WELL @ 5013.5ft (Ensign 131 RKB - 13.5')
Site Error:	0.0 ft	North Reference:	True
Reference Well:	SRC Vista 44-2C	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 ft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	US_EDM
Reference Design:	Plan #2 (9-21-15)	Offset TVD Reference:	Offset Datum

Offset Design		SRC Vista Pad Sec.2-T4N-R68W - SRC Vista 44-2N-C - Wellbore #1 - Plan #2 (9-21-15)												Offset Site Error:		0.0 ft
Survey Program:		0-MWD												Offset Well Error:		0.0 ft
Reference		Offset		Semi Major Axis			Distance									
Measured Depth	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset	Highside Toolface	Offset Wellbore Centre		Between Centres	Between Ellipses	Minimum Separation	Separation Factor	Warning			
(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(°)	+N/-S (ft)	+E/-W (ft)	(ft)	(ft)	(ft)					
8,700.0	7,220.0	8,448.7	6,900.0	46.7	48.0	38.00	-1,555.2	1,426.3	406.1	341.4	64.66	6.280				
8,800.0	7,220.0	8,548.7	6,900.0	49.2	50.3	38.03	-1,554.3	1,526.3	406.3	338.3	67.97	5.977				
8,900.0	7,220.0	8,648.7	6,900.0	51.6	52.7	38.07	-1,553.5	1,626.2	406.5	335.1	71.32	5.699				
9,000.0	7,220.0	8,748.7	6,900.0	54.1	55.1	38.10	-1,552.6	1,726.2	406.6	331.9	74.70	5.443				
9,100.0	7,220.0	8,848.7	6,900.0	56.7	57.6	38.13	-1,551.7	1,826.2	406.8	328.7	78.12	5.208				
9,200.0	7,220.0	8,948.7	6,900.0	59.2	60.1	38.17	-1,550.8	1,926.2	407.0	325.4	81.56	4.990				
9,300.0	7,220.0	9,048.7	6,900.0	61.8	62.6	38.20	-1,550.0	2,026.2	407.2	322.2	85.02	4.789				
9,400.0	7,220.0	9,148.7	6,900.0	64.4	65.2	38.23	-1,549.1	2,126.2	407.4	318.9	88.51	4.603				
9,500.0	7,220.0	9,248.7	6,900.0	67.0	67.8	38.26	-1,548.2	2,226.2	407.6	315.5	92.02	4.429				
9,600.0	7,220.0	9,348.7	6,900.0	69.7	70.4	38.30	-1,547.3	2,326.2	407.7	312.2	95.54	4.268				
9,700.0	7,220.0	9,448.7	6,900.0	72.3	73.0	38.33	-1,546.4	2,426.2	407.9	308.8	99.09	4.117				
9,800.0	7,220.0	9,548.7	6,900.0	75.0	75.6	38.36	-1,545.6	2,526.2	408.1	305.5	102.64	3.976				
9,900.0	7,220.0	9,648.7	6,900.0	77.6	78.3	38.39	-1,544.7	2,626.2	408.3	302.1	106.22	3.844				
10,000.0	7,220.0	9,748.7	6,900.0	80.3	80.9	38.43	-1,543.8	2,726.2	408.5	298.7	109.80	3.720				
10,100.0	7,220.0	9,848.7	6,900.0	83.0	83.6	38.46	-1,542.9	2,826.2	408.7	295.3	113.40	3.604				
10,200.0	7,220.0	9,948.7	6,900.0	85.7	86.3	38.49	-1,542.1	2,926.2	408.8	291.8	117.01	3.494				
10,300.0	7,220.0	10,048.7	6,900.0	88.4	89.0	38.52	-1,541.2	3,026.2	409.0	288.4	120.64	3.391				
10,400.0	7,220.0	10,148.7	6,900.0	91.1	91.7	38.56	-1,540.3	3,126.2	409.2	284.9	124.27	3.293				
10,500.0	7,220.0	10,248.7	6,900.0	93.9	94.4	38.59	-1,539.4	3,226.2	409.4	281.5	127.91	3.201				
10,600.0	7,220.0	10,348.7	6,900.0	96.6	97.1	38.62	-1,538.6	3,326.2	409.6	278.0	131.56	3.113				
10,700.0	7,220.0	10,448.7	6,900.0	99.3	99.8	38.65	-1,537.7	3,426.2	409.8	274.5	135.23	3.030				
10,800.0	7,220.0	10,548.7	6,900.0	102.0	102.5	38.68	-1,536.8	3,526.2	409.9	271.0	138.90	2.951				
10,900.0	7,220.0	10,648.7	6,900.0	104.8	105.2	38.72	-1,535.9	3,626.2	410.1	267.6	142.57	2.877				
11,000.0	7,220.0	10,748.7	6,900.0	107.5	108.0	38.75	-1,535.1	3,726.2	410.3	264.1	146.26	2.805				
11,100.0	7,220.0	10,848.7	6,900.0	110.2	110.7	38.78	-1,534.2	3,826.2	410.5	260.5	149.96	2.737				
11,200.0	7,220.0	10,948.7	6,900.0	113.0	113.4	38.81	-1,533.3	3,926.1	410.7	257.0	153.66	2.673				
11,300.0	7,220.0	11,048.7	6,900.0	115.7	116.2	38.85	-1,532.4	4,026.1	410.9	253.5	157.37	2.611				
11,400.0	7,220.0	11,148.7	6,900.0	118.5	118.9	38.88	-1,531.6	4,126.1	411.1	250.0	161.09	2.552				
11,500.0	7,220.0	11,248.7	6,900.0	121.2	121.7	38.91	-1,530.7	4,226.1	411.2	246.4	164.81	2.495				
11,600.0	7,220.0	11,348.7	6,900.0	124.0	124.4	38.94	-1,529.8	4,326.1	411.4	242.9	168.54	2.441				
11,700.0	7,220.0	11,448.7	6,900.0	126.8	127.2	38.97	-1,528.9	4,426.1	411.6	239.3	172.28	2.389				
11,800.0	7,220.0	11,548.7	6,900.0	129.5	129.9	39.01	-1,528.0	4,526.1	411.8	235.8	176.02	2.339				
11,867.6	7,220.0	11,615.0	6,900.0	131.4	131.7	39.03	-1,527.5	4,592.4	411.9	233.4	178.53	2.307 SF				

Company:	Synergy Resources	Local Co-ordinate Reference:	Well SRC Vista 44-2C
Project:	SEC.2-T4N-R68W	TVD Reference:	WELL @ 5013.5ft (Ensign 131 RKB - 13.5')
Reference Site:	SRC Vista Pad Sec.2-T4N-R68W	MD Reference:	WELL @ 5013.5ft (Ensign 131 RKB - 13.5')
Site Error:	0.0 ft	North Reference:	True
Reference Well:	SRC Vista 44-2C	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 ft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	US_EDM
Reference Design:	Plan #2 (9-21-15)	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.0 ft
Survey Program: 0-MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.0	0.0	0.0	0.0	0.0	0.0	0.27	60.1	0.3	60.1					
100.0	100.0	100.0	100.0	0.1	0.1	0.27	60.1	0.3	60.1	59.9	0.22	267.459		
200.0	200.0	200.0	200.0	0.3	0.3	0.27	60.1	0.3	60.1	59.4	0.67	89.153		
300.0	300.0	300.0	300.0	0.6	0.6	0.27	60.1	0.3	60.1	59.0	1.12	53.492		
400.0	400.0	400.0	400.0	0.8	0.8	0.27	60.1	0.3	60.1	58.5	1.57	38.208 CC, ES		
500.0	500.0	500.0	500.0	1.0	1.0	171.94	60.1	0.3	61.4	59.4	2.00	30.681		
600.0	599.9	599.9	599.9	1.2	1.2	172.42	60.1	0.3	65.3	62.9	2.42	26.958		
700.0	699.7	699.7	699.7	1.4	1.5	173.09	60.1	0.3	71.8	68.9	2.86	25.132		
800.0	799.3	799.3	799.3	1.6	1.7	173.86	60.1	0.3	80.9	77.6	3.30	24.521		
900.0	898.6	898.6	898.6	1.9	1.9	174.62	60.1	0.3	92.6	88.8	3.75	24.718		
1,000.0	997.5	997.5	997.5	2.2	2.1	175.32	60.1	0.3	106.9	102.7	4.20	25.474		
1,100.0	1,096.1	1,099.2	1,099.2	2.5	2.3	175.84	58.9	-0.1	122.5	117.9	4.62	26.502		
1,200.0	1,194.2	1,201.4	1,201.3	2.9	2.5	176.08	55.0	-1.2	138.2	133.2	5.03	27.467		
1,300.0	1,291.7	1,304.0	1,303.7	3.3	2.7	176.13	48.5	-3.1	153.9	148.4	5.45	28.214		
1,394.7	1,383.5	1,401.6	1,400.8	3.8	2.9	176.05	39.9	-5.7	168.7	162.8	5.87	28.757		
1,400.0	1,388.6	1,407.0	1,406.3	3.8	2.9	176.04	39.3	-5.8	169.5	163.6	5.89	28.780		
1,500.0	1,485.2	1,510.7	1,509.2	4.3	3.2	175.82	27.4	-9.3	183.7	177.3	6.35	28.938		
1,600.0	1,581.9	1,615.1	1,612.5	4.8	3.4	175.46	12.7	-13.6	195.2	188.4	6.82	28.609		
1,700.0	1,678.5	1,717.6	1,713.4	5.3	3.7	175.00	-4.1	-18.6	204.4	197.1	7.31	27.945		
1,800.0	1,775.1	1,817.2	1,811.5	5.8	4.0	174.56	-20.9	-23.5	213.1	205.3	7.81	27.280		
1,900.0	1,871.8	1,916.8	1,909.5	6.3	4.4	174.15	-37.6	-28.4	221.9	213.6	8.32	26.682		
2,000.0	1,968.4	2,016.4	2,007.6	6.9	4.7	173.78	-54.3	-33.3	230.7	221.9	8.83	26.114		
2,100.0	2,065.0	2,116.0	2,105.7	7.4	5.0	173.43	-71.1	-38.2	239.5	230.1	9.36	25.595		
2,200.0	2,161.6	2,215.6	2,203.7	7.9	5.4	173.11	-87.8	-43.1	248.3	238.4	9.89	25.117		
2,300.0	2,258.3	2,315.2	2,301.8	8.4	5.8	172.81	-104.6	-48.0	257.1	246.7	10.42	24.675		
2,400.0	2,354.9	2,414.8	2,399.9	9.0	6.1	172.53	-121.3	-52.9	265.9	255.0	10.96	24.267		
2,500.0	2,451.5	2,514.4	2,497.9	9.5	6.5	172.27	-138.0	-57.8	274.8	263.3	11.50	23.888		
2,600.0	2,548.2	2,614.0	2,596.0	10.0	6.9	172.02	-154.8	-62.8	283.6	271.6	12.05	23.537		
2,700.0	2,644.8	2,713.6	2,694.0	10.6	7.2	171.79	-171.5	-67.7	292.4	279.8	12.60	23.210		
2,800.0	2,741.4	2,813.2	2,792.1	11.1	7.6	171.57	-188.2	-72.6	301.3	288.1	13.15	22.906		
2,900.0	2,838.0	2,912.8	2,890.2	11.6	8.0	171.37	-205.0	-77.5	310.1	296.4	13.71	22.622		
3,000.0	2,934.7	3,012.4	2,988.2	12.2	8.4	171.18	-221.7	-82.4	319.0	304.7	14.27	22.357		
3,100.0	3,031.3	3,112.0	3,086.3	12.7	8.8	170.99	-238.5	-87.3	327.8	313.0	14.83	22.108		
3,200.0	3,127.9	3,211.6	3,184.4	13.3	9.2	170.82	-255.2	-92.2	336.7	321.3	15.39	21.875		
3,300.0	3,224.6	3,311.2	3,282.4	13.8	9.6	170.65	-271.9	-97.1	345.5	329.6	15.96	21.656		
3,400.0	3,321.2	3,410.8	3,380.5	14.3	10.0	170.50	-288.7	-102.0	354.4	337.9	16.52	21.449		
3,500.0	3,417.8	3,510.4	3,478.5	14.9	10.3	170.35	-305.4	-107.0	363.3	346.2	17.09	21.255		
3,600.0	3,514.4	3,610.0	3,576.6	15.4	10.7	170.21	-322.2	-111.9	372.1	354.5	17.66	21.071		
3,700.0	3,611.1	3,709.6	3,674.7	15.9	11.1	170.07	-338.9	-116.8	381.0	362.8	18.23	20.898		
3,800.0	3,707.7	3,809.2	3,772.7	16.5	11.5	169.94	-355.6	-121.7	389.9	371.1	18.80	20.733		
3,900.0	3,804.3	3,908.8	3,870.8	17.0	11.9	169.82	-372.4	-126.6	398.8	379.4	19.38	20.577		
4,000.0	3,901.0	4,008.4	3,968.9	17.6	12.3	169.70	-389.1	-131.5	407.6	387.7	19.95	20.430		
4,100.0	3,997.6	4,108.0	4,066.9	18.1	12.7	169.59	-405.9	-136.4	416.5	396.0	20.53	20.289		
4,200.0	4,094.2	4,207.6	4,165.0	18.6	13.1	169.48	-422.6	-141.3	425.4	404.3	21.11	20.155		
4,300.0	4,190.8	4,307.2	4,263.0	19.2	13.5	169.38	-439.3	-146.2	434.3	412.6	21.68	20.028		
4,400.0	4,287.5	4,406.8	4,361.1	19.7	13.9	169.28	-456.1	-151.1	443.1	420.9	22.26	19.907		
4,500.0	4,384.1	4,506.4	4,459.2	20.2	14.3	169.18	-472.8	-156.1	452.0	429.2	22.84	19.791		
4,600.0	4,480.7	4,606.0	4,557.2	20.8	14.7	169.09	-489.5	-161.0	460.9	437.5	23.42	19.680		
4,700.0	4,577.4	4,705.6	4,655.3	21.3	15.1	169.00	-506.3	-165.9	469.8	445.8	24.00	19.574		
4,800.0	4,674.0	4,805.2	4,753.4	21.9	15.5	168.92	-523.0	-170.8	478.7	454.1	24.58	19.473		
4,900.0	4,770.6	4,904.8	4,851.4	22.4	15.9	168.84	-539.8	-175.7	487.6	462.4	25.16	19.376		
5,000.0	4,867.2	5,004.4	4,949.5	22.9	16.3	168.76	-556.5	-180.6	496.4	470.7	25.75	19.282		

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

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Project:	SEC.2-T4N-R68W	TVD Reference:	WELL @ 5013.5ft (Ensign 131 RKB - 13.5')
Reference Site:	SRC Vista Pad Sec.2-T4N-R68W	MD Reference:	WELL @ 5013.5ft (Ensign 131 RKB - 13.5')
Site Error:	0.0 ft	North Reference:	True
Reference Well:	SRC Vista 44-2C	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 ft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	US_EDM
Reference Design:	Plan #2 (9-21-15)	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		
5,100.0	4,963.9	5,104.1	5,047.5	23.5	16.7	168.68	-573.2	-185.5	505.3	479.0	26.33	19.193		
5,200.0	5,060.5	5,196.7	5,138.8	24.0	17.0	168.62	-588.5	-190.0	514.5	487.7	26.88	19.142		
5,300.0	5,157.1	5,281.4	5,222.6	24.6	17.3	168.65	-600.4	-193.5	526.2	498.8	27.36	19.230		
5,400.0	5,253.8	5,365.6	5,306.2	25.1	17.5	168.76	-609.9	-196.3	540.6	512.8	27.82	19.430		
5,500.0	5,350.4	5,449.0	5,389.2	25.6	17.6	168.95	-616.9	-198.3	557.7	529.4	28.26	19.737		
5,600.0	5,447.0	5,531.4	5,471.6	26.2	17.8	169.21	-621.6	-199.7	577.5	548.9	28.67	20.144		
5,700.0	5,543.6	5,612.9	5,553.0	26.7	17.9	169.52	-624.0	-200.4	600.0	571.0	29.07	20.643		
5,719.4	5,562.4	5,628.6	5,568.7	26.8	17.9	169.58	-624.2	-200.5	604.7	575.6	29.15	20.749		
5,800.0	5,640.5	5,700.5	5,640.5	27.2	18.0	169.95	-624.4	-200.5	623.9	594.4	29.48	21.162		
5,900.0	5,738.2	5,798.1	5,738.2	27.5	18.1	170.35	-624.4	-200.5	644.9	615.1	29.84	21.609		
6,000.0	5,836.6	5,896.5	5,836.6	27.8	18.3	170.67	-624.4	-200.5	662.6	632.4	30.18	21.955		
6,100.0	5,935.6	5,995.5	5,935.6	28.0	18.4	170.91	-624.4	-200.5	676.8	646.3	30.48	22.205		
6,200.0	6,035.0	6,094.9	6,035.0	28.3	18.5	171.09	-624.4	-200.5	687.7	656.9	30.75	22.364		
6,300.0	6,134.7	6,194.6	6,134.7	28.4	18.6	171.21	-624.4	-200.5	695.1	664.1	30.98	22.438		
6,400.0	6,234.6	6,294.5	6,234.6	28.6	18.8	171.27	-624.4	-200.5	699.1	667.9	31.17	22.428		
6,465.4	6,300.0	6,359.9	6,300.0	28.6	18.9	-0.22	-624.4	-200.5	699.8	652.8	46.98	14.895		
6,500.0	6,334.6	6,394.5	6,334.6	28.7	18.9	-0.22	-624.4	-200.5	699.8	652.8	47.06	14.870		
6,600.0	6,434.6	6,494.5	6,434.6	28.7	19.0	-0.22	-624.4	-200.5	699.8	652.5	47.28	14.801		
6,669.2	6,503.8	6,563.7	6,503.8	28.8	19.1	-0.22	-624.4	-200.5	699.8	652.4	47.44	14.753		
6,700.0	6,534.6	6,594.3	6,534.3	28.8	19.2	-89.55	-624.4	-199.9	699.8	667.8	32.05	21.836		
6,750.0	6,584.4	6,643.9	6,583.8	28.9	19.2	-89.55	-624.3	-196.0	699.8	667.6	32.18	21.744		
6,800.0	6,633.9	6,693.5	6,632.9	28.9	19.3	-89.56	-624.2	-188.8	699.8	667.5	32.29	21.670		
6,850.0	6,682.7	6,743.1	6,681.4	28.9	19.3	-89.57	-624.1	-178.2	699.8	667.4	32.38	21.611		
6,900.0	6,730.6	6,792.8	6,729.0	28.9	19.4	-89.57	-624.0	-164.2	699.8	667.4	32.45	21.565		
6,950.0	6,777.4	6,842.4	6,775.5	29.0	19.4	-89.59	-623.8	-147.0	699.8	667.3	32.51	21.525		
7,000.0	6,822.9	6,892.1	6,820.8	29.0	19.4	-89.60	-623.5	-126.6	699.8	667.2	32.57	21.486		
7,050.0	6,866.9	6,941.7	6,864.5	29.0	19.4	-89.61	-623.2	-103.1	699.8	667.2	32.64	21.439		
7,100.0	6,909.1	6,991.4	6,906.5	29.0	19.4	-89.63	-622.9	-76.6	699.8	667.1	32.74	21.375		
7,150.0	6,949.3	7,041.1	6,946.6	29.0	19.5	-89.65	-622.6	-47.2	699.8	666.9	32.88	21.281		
7,200.0	6,987.3	7,090.8	6,984.6	29.0	19.5	-89.67	-622.2	-15.2	699.8	666.7	33.09	21.147		
7,250.0	7,023.0	7,140.5	7,020.3	29.0	19.5	-89.69	-621.8	19.5	699.8	666.4	33.39	20.961		
7,300.0	7,056.1	7,190.3	7,053.5	29.1	19.5	-89.71	-621.4	56.5	699.8	666.0	33.79	20.711		
7,350.0	7,086.6	7,240.0	7,084.0	29.1	19.6	-89.74	-620.9	95.8	699.8	665.5	34.32	20.392		
7,400.0	7,114.2	7,289.8	7,111.8	29.1	19.7	-89.76	-620.4	137.1	699.8	664.8	34.99	19.999		
7,450.0	7,138.9	7,339.6	7,136.6	29.2	19.8	-89.79	-619.9	180.2	699.8	664.0	35.82	19.535		
7,500.0	7,160.4	7,389.5	7,158.4	29.3	19.9	-89.82	-619.4	225.0	699.8	663.0	36.82	19.007		
7,550.0	7,178.8	7,439.3	7,177.0	29.4	20.2	-89.85	-618.9	271.3	699.8	661.8	37.98	18.426		
7,600.0	7,193.8	7,489.2	7,192.4	29.6	20.5	-89.88	-618.3	318.7	699.8	660.5	39.30	17.805		
7,650.0	7,205.5	7,539.1	7,204.4	29.7	21.0	-89.91	-617.7	367.1	699.8	659.0	40.78	17.161		
7,700.0	7,213.8	7,589.1	7,213.1	30.0	21.7	-89.94	-617.2	416.3	699.8	657.4	42.39	16.508		
7,750.0	7,218.6	7,639.0	7,218.3	30.2	22.5	-89.97	-616.6	466.0	699.8	655.7	44.12	15.860		
7,764.4	7,219.4	7,653.5	7,219.1	30.3	22.7	-89.98	-616.4	480.4	699.8	655.2	44.64	15.675		
7,794.2	7,220.0	7,683.2	7,220.0	30.6	23.2	-90.00	-616.1	510.1	699.8	654.1	45.74	15.301		
7,800.0	7,220.0	7,689.0	7,220.0	30.6	23.3	-90.00	-616.0	515.9	699.8	653.9	45.95	15.230		
7,900.0	7,220.0	7,789.0	7,220.0	31.5	25.2	-90.00	-614.8	615.9	699.8	649.9	49.87	14.032		
8,000.0	7,220.0	7,889.0	7,220.0	32.7	27.3	-90.00	-613.6	715.9	699.8	645.7	54.08	12.939		
8,100.0	7,220.0	7,989.0	7,220.0	34.2	29.5	-90.00	-612.5	815.9	699.8	641.3	58.53	11.956		
8,200.0	7,220.0	8,089.0	7,220.0	35.9	31.8	-90.00	-611.3	915.9	699.8	636.6	63.16	11.079		
8,300.0	7,220.0	8,189.0	7,220.0	37.8	34.2	-90.00	-610.1	1,015.9	699.8	631.9	67.94	10.300		
8,400.0	7,220.0	8,289.0	7,220.0	39.9	36.6	-90.00	-609.0	1,115.9	699.8	627.0	72.84	9.607		
8,500.0	7,220.0	8,389.0	7,220.0	42.1	39.1	-90.00	-607.8	1,215.9	699.8	622.0	77.83	8.991		
8,600.0	7,220.0	8,489.0	7,220.0	44.4	41.6	-90.00	-606.6	1,315.9	699.8	616.9	82.91	8.441		

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 44-2C
Project:	SEC.2-T4N-R68W	TVD Reference:	WELL @ 5013.5ft (Ensign 131 RKB - 13.5')
Reference Site:	SRC Vista Pad Sec.2-T4N-R68W	MD Reference:	WELL @ 5013.5ft (Ensign 131 RKB - 13.5')
Site Error:	0.0 ft	North Reference:	True
Reference Well:	SRC Vista 44-2C	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 ft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	US_EDM
Reference Design:	Plan #2 (9-21-15)	Offset TVD Reference:	Offset Datum

Offset Design SRC Vista Pad Sec.2-T4N-R68W - SRC Vista D-2C - Wellbore #1 - Plan #2 (9-21-15)													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)	Highside Toolface (°)	Offset Wellbore Centre		Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning	
							+N/-S (ft)	+E/-W (ft)						
8,700.0	7,220.0	8,589.0	7,220.0	46.7	44.2	-90.00	-605.4	1,415.9	699.8	611.8	88.04	7.948		
8,800.0	7,220.0	8,689.0	7,220.0	49.2	46.8	-90.00	-604.3	1,515.9	699.8	606.6	93.24	7.506		
8,900.0	7,220.0	8,789.0	7,220.0	51.6	49.4	-90.00	-603.1	1,615.8	699.8	601.3	98.47	7.106		
9,000.0	7,220.0	8,889.0	7,220.0	54.1	52.0	-90.00	-601.9	1,715.8	699.8	596.1	103.75	6.745		
9,100.0	7,220.0	8,989.0	7,220.0	56.7	54.7	-90.00	-600.8	1,815.8	699.8	590.7	109.06	6.417		
9,200.0	7,220.0	9,089.0	7,220.0	59.2	57.3	-90.00	-599.6	1,915.8	699.8	585.4	114.40	6.117		
9,300.0	7,220.0	9,189.0	7,220.0	61.8	60.0	-90.00	-598.4	2,015.8	699.8	580.0	119.76	5.843		
9,400.0	7,220.0	9,289.0	7,220.0	64.4	62.7	-90.00	-597.2	2,115.8	699.8	574.7	125.15	5.592		
9,500.0	7,220.0	9,389.0	7,220.0	67.0	65.4	-90.00	-596.1	2,215.8	699.8	569.3	130.55	5.360		
9,600.0	7,220.0	9,489.0	7,220.0	69.7	68.1	-90.00	-594.9	2,315.8	699.8	563.8	135.97	5.147		
9,700.0	7,220.0	9,589.0	7,220.0	72.3	70.8	-90.00	-593.7	2,415.8	699.8	558.4	141.41	4.949		
9,800.0	7,220.0	9,689.0	7,220.0	75.0	73.5	-90.00	-592.5	2,515.8	699.8	553.0	146.85	4.765		
9,900.0	7,220.0	9,789.0	7,220.0	77.6	76.3	-90.00	-591.4	2,615.8	699.8	547.5	152.31	4.595		
10,000.0	7,220.0	9,889.0	7,220.0	80.3	79.0	-90.00	-590.2	2,715.8	699.8	542.0	157.78	4.435		
10,100.0	7,220.0	9,989.0	7,220.0	83.0	81.7	-90.00	-589.0	2,815.8	699.8	536.5	163.26	4.286		
10,200.0	7,220.0	10,089.0	7,220.0	85.7	84.5	-90.00	-587.9	2,915.8	699.8	531.1	168.75	4.147		
10,300.0	7,220.0	10,189.0	7,220.0	88.4	87.2	-90.00	-586.7	3,015.8	699.8	525.6	174.25	4.016		
10,400.0	7,220.0	10,289.0	7,220.0	91.1	90.0	-90.00	-585.5	3,115.7	699.8	520.1	179.75	3.893		
10,500.0	7,220.0	10,389.0	7,220.0	93.9	92.7	-90.00	-584.3	3,215.7	699.8	514.5	185.26	3.777		
10,600.0	7,220.0	10,489.0	7,220.0	96.6	95.5	-90.00	-583.2	3,315.7	699.8	509.0	190.77	3.668		
10,700.0	7,220.0	10,589.0	7,220.0	99.3	98.2	-90.00	-582.0	3,415.7	699.8	503.5	196.29	3.565		
10,800.0	7,220.0	10,689.0	7,220.0	102.0	101.0	-90.00	-580.8	3,515.7	699.8	498.0	201.82	3.467		
10,900.0	7,220.0	10,789.0	7,220.0	104.8	103.8	-90.00	-579.7	3,615.7	699.8	492.5	207.35	3.375		
11,000.0	7,220.0	10,889.0	7,220.0	107.5	106.5	-90.00	-578.5	3,715.7	699.8	486.9	212.88	3.287		
11,100.0	7,220.0	10,989.0	7,220.0	110.2	109.3	-90.00	-577.3	3,815.7	699.8	481.4	218.42	3.204		
11,200.0	7,220.0	11,089.0	7,220.0	113.0	112.1	-90.00	-576.1	3,915.7	699.8	475.8	223.96	3.125		
11,300.0	7,220.0	11,189.0	7,220.0	115.7	114.8	-90.00	-575.0	4,015.7	699.8	470.3	229.51	3.049		
11,400.0	7,220.0	11,289.0	7,220.0	118.5	117.6	-90.00	-573.8	4,115.7	699.8	464.8	235.06	2.977		
11,500.0	7,220.0	11,389.0	7,220.0	121.2	120.4	-90.00	-572.6	4,215.7	699.8	459.2	240.61	2.909		
11,600.0	7,220.0	11,489.0	7,220.0	124.0	123.2	-90.00	-571.5	4,315.7	699.8	453.7	246.16	2.843		
11,700.0	7,220.0	11,589.0	7,220.0	126.8	125.9	-90.00	-570.3	4,415.7	699.8	448.1	251.71	2.780		
11,800.0	7,220.0	11,689.0	7,220.0	129.5	128.7	-90.00	-569.1	4,515.6	699.8	442.5	257.27	2.720		
11,867.6	7,220.0	11,756.6	7,220.0	131.4	130.6	-90.00	-568.3	4,583.3	699.8	438.8	261.03	2.681 SF		

Company:	Synergy Resources	Local Co-ordinate Reference:	Well SRC Vista 44-2C
Project:	SEC.2-T4N-R68W	TVD Reference:	WELL @ 5013.5ft (Ensign 131 RKB - 13.5')
Reference Site:	SRC Vista Pad Sec.2-T4N-R68W	MD Reference:	WELL @ 5013.5ft (Ensign 131 RKB - 13.5')
Site Error:	0.0 ft	North Reference:	True
Reference Well:	SRC Vista 44-2C	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 ft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	US_EDM
Reference Design:	Plan #2 (9-21-15)	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.0 ft
Survey Program: 0-MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.0	0.0	0.0	0.0	0.0	0.0	0.00	80.2	0.0	80.2					
100.0	100.0	100.0	100.0	0.1	0.1	0.00	80.2	0.0	80.2	79.9	0.22	356.602		
200.0	200.0	200.0	200.0	0.3	0.3	0.00	80.2	0.0	80.2	79.5	0.67	118.867		
300.0	300.0	300.0	300.0	0.6	0.6	0.00	80.2	0.0	80.2	79.0	1.12	71.320		
400.0	400.0	400.0	400.0	0.8	0.8	0.00	80.2	0.0	80.2	78.6	1.57	50.943 CC, ES		
500.0	500.0	500.0	500.0	1.0	1.0	171.64	80.2	0.0	81.4	79.4	2.00	40.690		
600.0	599.9	599.9	599.9	1.2	1.2	172.01	80.2	0.0	85.3	82.9	2.42	35.228		
700.0	699.7	699.7	699.7	1.4	1.5	172.57	80.2	0.0	91.8	89.0	2.86	32.143		
800.0	799.3	799.3	799.3	1.6	1.7	173.22	80.2	0.0	100.9	97.6	3.30	30.588		
900.0	898.6	898.6	898.6	1.9	1.9	173.91	80.2	0.0	112.6	108.8	3.75	30.057		
1,000.0	997.5	997.5	997.5	2.2	2.1	174.58	80.2	0.0	126.9	122.7	4.20	30.235		
1,100.0	1,096.1	1,096.1	1,096.1	2.5	2.4	175.19	80.2	0.0	143.7	139.1	4.65	30.921		
1,200.0	1,194.2	1,194.2	1,194.2	2.9	2.6	175.75	80.2	0.0	163.2	158.1	5.10	31.982		
1,300.0	1,291.7	1,296.2	1,296.2	3.3	2.8	176.16	79.0	-0.4	184.1	178.5	5.54	33.240		
1,394.7	1,383.5	1,393.6	1,393.5	3.8	2.9	176.34	75.5	-1.6	203.9	198.0	5.93	34.381		
1,400.0	1,388.6	1,399.1	1,399.0	3.8	3.0	176.34	75.2	-1.7	205.0	199.0	5.95	34.439		
1,500.0	1,485.2	1,502.8	1,502.5	4.3	3.1	176.36	68.8	-3.9	224.5	218.1	6.39	35.152		
1,600.0	1,581.9	1,607.6	1,606.8	4.8	3.4	176.20	59.6	-7.1	241.4	234.5	6.84	35.299		
1,700.0	1,678.5	1,713.2	1,711.7	5.3	3.6	175.90	47.6	-11.2	255.6	248.3	7.31	34.984		
1,800.0	1,775.1	1,819.6	1,816.8	5.8	3.9	175.47	32.7	-16.3	267.2	259.4	7.79	34.297		
1,900.0	1,871.8	1,919.3	1,915.2	6.3	4.1	175.03	17.4	-21.6	277.4	269.1	8.28	33.497		
2,000.0	1,968.4	2,018.7	2,013.4	6.9	4.4	174.61	2.1	-26.9	287.6	278.8	8.78	32.752		
2,100.0	2,065.0	2,118.2	2,111.5	7.4	4.7	174.22	-13.1	-32.1	297.8	288.5	9.29	32.071		
2,200.0	2,161.6	2,217.7	2,209.7	7.9	5.0	173.86	-28.4	-37.4	308.0	298.2	9.80	31.432		
2,300.0	2,258.3	2,317.1	2,307.8	8.4	5.4	173.52	-43.7	-42.6	318.3	307.9	10.32	30.838		
2,400.0	2,354.9	2,416.6	2,405.9	9.0	5.7	173.21	-59.0	-47.9	328.5	317.7	10.85	30.287		
2,500.0	2,451.5	2,516.0	2,504.1	9.5	6.0	172.91	-74.3	-53.2	338.8	327.4	11.38	29.775		
2,600.0	2,548.2	2,615.5	2,602.2	10.0	6.4	172.63	-89.6	-58.4	349.0	337.1	11.91	29.298		
2,700.0	2,644.8	2,714.9	2,700.3	10.6	6.7	172.36	-104.9	-63.7	359.3	346.8	12.45	28.853		
2,800.0	2,741.4	2,814.4	2,798.5	11.1	7.1	172.11	-120.1	-68.9	369.6	356.6	13.00	28.437		
2,900.0	2,838.0	2,913.9	2,896.6	11.6	7.4	171.88	-135.4	-74.2	379.8	366.3	13.54	28.049		
3,000.0	2,934.7	3,013.3	2,994.7	12.2	7.8	171.66	-150.7	-79.5	390.1	376.0	14.09	27.685		
3,100.0	3,031.3	3,112.8	3,092.9	12.7	8.1	171.44	-166.0	-84.7	400.4	385.8	14.64	27.343		
3,200.0	3,127.9	3,212.2	3,191.0	13.3	8.5	171.24	-181.3	-90.0	410.7	395.5	15.20	27.022		
3,300.0	3,224.6	3,311.7	3,289.1	13.8	8.9	171.05	-196.6	-95.2	421.0	405.3	15.76	26.720		
3,400.0	3,321.2	3,411.2	3,387.3	14.3	9.2	170.87	-211.8	-100.5	431.3	415.0	16.32	26.435		
3,500.0	3,417.8	3,510.6	3,485.4	14.9	9.6	170.69	-227.1	-105.8	441.6	424.8	16.88	26.167		
3,600.0	3,514.4	3,610.1	3,583.6	15.4	10.0	170.53	-242.4	-111.0	451.9	434.5	17.44	25.913		
3,700.0	3,611.1	3,709.5	3,681.7	15.9	10.3	170.37	-257.7	-116.3	462.3	444.3	18.01	25.672		
3,800.0	3,707.7	3,809.0	3,779.8	16.5	10.7	170.22	-273.0	-121.5	472.6	454.0	18.57	25.445		
3,900.0	3,804.3	3,908.4	3,878.0	17.0	11.1	170.07	-288.3	-126.8	482.9	463.8	19.14	25.229		
4,000.0	3,901.0	4,007.9	3,976.1	17.6	11.4	169.93	-303.5	-132.1	493.2	473.5	19.71	25.024		
4,100.0	3,997.6	4,107.4	4,074.2	18.1	11.8	169.80	-318.8	-137.3	503.6	483.3	20.28	24.829		
4,200.0	4,094.2	4,206.8	4,172.4	18.6	12.2	169.67	-334.1	-142.6	513.9	493.0	20.85	24.643		
4,300.0	4,190.8	4,306.3	4,270.5	19.2	12.6	169.55	-349.4	-147.8	524.2	502.8	21.43	24.466		
4,400.0	4,287.5	4,405.7	4,368.6	19.7	12.9	169.43	-364.7	-153.1	534.6	512.6	22.00	24.298		
4,500.0	4,384.1	4,505.2	4,466.8	20.2	13.3	169.32	-380.0	-158.4	544.9	522.3	22.58	24.136		
4,600.0	4,480.7	4,604.7	4,564.9	20.8	13.7	169.21	-395.2	-163.6	555.3	532.1	23.15	23.982		
4,700.0	4,577.4	4,704.1	4,663.1	21.3	14.1	169.10	-410.5	-168.9	565.6	541.9	23.73	23.835		
4,800.0	4,674.0	4,803.6	4,761.2	21.9	14.4	169.00	-425.8	-174.1	575.9	551.6	24.31	23.694		
4,900.0	4,770.6	4,903.0	4,859.3	22.4	14.8	168.90	-441.1	-179.4	586.3	561.4	24.89	23.559		
5,000.0	4,867.2	5,002.5	4,957.5	22.9	15.2	168.81	-456.4	-184.7	596.6	571.2	25.47	23.429		

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 44-2C
Project:	SEC.2-T4N-R68W	TVD Reference:	WELL @ 5013.5ft (Ensign 131 RKB - 13.5')
Reference Site:	SRC Vista Pad Sec.2-T4N-R68W	MD Reference:	WELL @ 5013.5ft (Ensign 131 RKB - 13.5')
Site Error:	0.0 ft	North Reference:	True
Reference Well:	SRC Vista 44-2C	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 ft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	US_EDM
Reference Design:	Plan #2 (9-21-15)	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		
5,100.0	4,963.9	5,098.2	5,051.9	23.5	15.5	168.72	-471.0	-189.7	607.1	581.0	26.03	23.321		
5,200.0	5,060.5	5,180.9	5,133.8	24.0	15.8	168.71	-482.1	-193.5	619.4	592.9	26.52	23.359		
5,300.0	5,157.1	5,263.1	5,215.4	24.6	15.9	168.77	-490.9	-196.5	634.3	607.3	26.98	23.511		
5,400.0	5,253.8	5,344.5	5,296.6	25.1	16.1	168.91	-497.4	-198.8	651.9	624.5	27.42	23.772		
5,500.0	5,350.4	5,425.1	5,377.0	25.6	16.3	169.12	-501.7	-200.3	672.1	644.2	27.85	24.135		
5,600.0	5,447.0	5,504.6	5,456.5	26.2	16.4	169.38	-503.9	-201.0	694.8	666.6	28.25	24.592		
5,700.0	5,543.6	5,591.8	5,543.6	26.7	16.5	169.71	-504.1	-201.1	719.8	691.2	28.66	25.112		
5,719.4	5,562.4	5,610.5	5,562.4	26.8	16.5	169.78	-504.1	-201.1	724.7	696.0	28.74	25.213		
5,800.0	5,640.5	5,688.7	5,640.5	27.2	16.7	170.11	-504.1	-201.1	744.1	715.0	29.10	25.574		
5,900.0	5,738.2	5,786.4	5,738.2	27.5	16.8	170.46	-504.1	-201.1	765.1	735.6	29.49	25.949		
6,000.0	5,836.6	5,884.7	5,836.6	27.8	16.9	170.73	-504.1	-201.1	782.8	752.9	29.84	26.230		
6,100.0	5,935.6	5,983.7	5,935.6	28.0	17.1	170.95	-504.1	-201.1	797.1	766.9	30.17	26.421		
6,200.0	6,035.0	6,083.1	6,035.0	28.3	17.2	171.10	-504.1	-201.1	807.9	777.5	30.45	26.529		
6,300.0	6,134.7	6,182.8	6,134.7	28.4	17.3	171.21	-504.1	-201.1	815.3	784.6	30.70	26.556		
6,400.0	6,234.6	6,282.2	6,234.0	28.6	17.5	171.39	-504.1	-199.3	819.3	788.5	30.88	26.529		
6,465.4	6,300.0	6,346.1	6,297.5	28.6	17.6	0.40	-504.0	-192.0	820.2	774.5	45.72	17.941		
6,500.0	6,334.6	6,379.3	6,330.1	28.7	17.6	0.82	-504.0	-186.0	820.3	774.5	45.83	17.900		
6,600.0	6,434.6	6,471.2	6,418.6	28.7	17.6	2.53	-503.7	-161.5	821.5	775.3	46.14	17.805		
6,669.2	6,503.8	6,530.5	6,473.8	28.8	17.7	4.05	-503.4	-139.8	823.4	777.0	46.33	17.771		
6,700.0	6,534.6	6,555.9	6,496.8	28.8	17.7	-84.48	-503.3	-129.1	824.6	793.5	31.04	26.561		
6,750.0	6,584.4	6,596.4	6,532.8	28.9	17.7	-83.20	-503.1	-110.3	826.9	795.8	31.06	26.621		
6,800.0	6,633.9	6,636.3	6,567.0	28.9	17.7	-81.95	-502.8	-90.0	829.5	798.4	31.10	26.675		
6,850.0	6,682.7	6,675.5	6,599.5	28.9	17.7	-80.74	-502.6	-68.1	832.4	801.3	31.15	26.722		
6,900.0	6,730.6	6,714.1	6,630.4	28.9	17.7	-79.57	-502.3	-44.9	835.6	804.4	31.23	26.758		
6,950.0	6,777.4	6,750.0	6,657.9	29.0	17.8	-78.49	-502.0	-21.8	839.0	807.7	31.32	26.793		
7,000.0	6,822.9	6,789.8	6,686.9	29.0	17.8	-77.36	-501.7	5.4	842.6	811.1	31.45	26.789		
7,050.0	6,866.9	6,827.0	6,712.7	29.0	17.8	-76.33	-501.4	32.2	846.2	814.6	31.61	26.773		
7,100.0	6,909.1	6,863.8	6,736.8	29.0	17.8	-75.35	-501.1	60.0	849.8	818.1	31.76	26.754		
7,150.0	6,949.3	6,900.0	6,759.1	29.0	17.9	-74.44	-500.8	88.5	853.4	821.5	31.96	26.706		
7,200.0	6,987.3	6,936.4	6,780.1	29.0	17.9	-73.58	-500.4	118.3	857.0	824.8	32.19	26.620		
7,250.0	7,023.0	6,972.3	6,799.2	29.0	18.0	-72.79	-500.0	148.7	860.4	827.9	32.46	26.503		
7,300.0	7,066.1	7,007.9	6,816.6	29.1	18.1	-72.06	-499.7	179.7	863.7	830.9	32.77	26.352		
7,350.0	7,086.6	7,050.0	6,835.2	29.1	18.2	-71.32	-499.2	217.5	866.8	833.5	33.21	26.099		
7,400.0	7,114.2	7,078.6	6,846.6	29.1	18.4	-70.81	-498.9	243.7	869.5	835.9	33.58	25.893		
7,450.0	7,138.9	7,113.7	6,859.1	29.2	18.7	-70.29	-498.6	276.5	872.1	838.0	34.09	25.582		
7,500.0	7,160.4	7,150.0	6,870.3	29.3	19.0	-69.83	-498.1	311.0	874.3	839.6	34.69	25.201		
7,550.0	7,178.8	7,183.4	6,879.1	29.4	19.5	-69.46	-497.8	343.3	876.2	840.8	35.37	24.775		
7,600.0	7,193.8	7,218.2	6,886.6	29.6	20.0	-69.16	-497.4	377.2	877.8	841.6	36.15	24.281		
7,650.0	7,205.5	7,250.0	6,892.0	29.7	20.5	-68.94	-497.0	408.5	879.0	842.0	36.98	23.768		
7,700.0	7,213.8	7,287.4	6,896.6	30.0	21.1	-68.77	-496.6	445.7	879.8	841.8	38.02	23.141		
7,750.0	7,218.6	7,322.0	6,899.1	30.2	21.7	-68.69	-496.2	480.1	880.2	841.1	39.10	22.509		
7,794.2	7,220.0	7,352.6	6,900.0	30.6	22.3	-68.68	-495.8	510.7	880.3	840.1	40.14	21.930		
7,800.0	7,220.0	7,356.9	6,900.0	30.6	22.4	-68.68	-495.8	515.0	880.3	839.9	40.32	21.832		
7,833.5	7,220.0	7,389.9	6,900.0	30.9	23.0	-68.68	-495.4	548.1	880.3	838.7	41.56	21.181		
7,900.0	7,220.0	7,456.4	6,900.0	31.5	24.4	-68.68	-494.6	614.5	880.3	836.2	44.09	19.966		
8,000.0	7,220.0	7,556.4	6,900.0	32.7	26.5	-68.68	-493.4	714.5	880.3	832.1	48.13	18.291		
8,100.0	7,220.0	7,656.4	6,900.0	34.2	28.8	-68.68	-492.2	814.5	880.3	827.9	52.38	16.805		
8,200.0	7,220.0	7,756.4	6,900.0	35.9	31.2	-68.68	-491.1	914.5	880.3	823.5	56.80	15.497		
8,300.0	7,220.0	7,856.4	6,900.0	37.8	33.6	-68.68	-489.9	1,014.5	880.3	818.9	61.36	14.346		
8,400.0	7,220.0	7,956.4	6,900.0	39.9	36.1	-68.68	-488.7	1,114.5	880.3	814.2	66.02	13.334		
8,500.0	7,220.0	8,056.4	6,900.0	42.1	38.6	-68.68	-487.6	1,214.5	880.3	809.5	70.76	12.440		
8,600.0	7,220.0	8,156.4	6,900.0	44.4	41.2	-68.68	-486.4	1,314.5	880.3	804.7	75.57	11.648		

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 44-2C
Project:	SEC.2-T4N-R68W	TVD Reference:	WELL @ 5013.5ft (Ensign 131 RKB - 13.5')
Reference Site:	SRC Vista Pad Sec.2-T4N-R68W	MD Reference:	WELL @ 5013.5ft (Ensign 131 RKB - 13.5')
Site Error:	0.0 ft	North Reference:	True
Reference Well:	SRC Vista 44-2C	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 ft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	US_EDM
Reference Design:	Plan #2 (9-21-15)	Offset TVD Reference:	Offset Datum

Offset Design SRC Vista Pad Sec.2-T4N-R68W - SRC Vista D-2N-A - Wellbore #1 - Plan #2 (9-21-15)													Offset Site Error:	0.0 ft
Survey Program: 0-MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,700.0	7,220.0	8,256.4	6,900.0	46.7	43.7	-68.68	-485.2	1,414.5	880.3	799.8	80.44	10.943		
8,800.0	7,220.0	8,356.4	6,900.0	49.2	46.4	-68.68	-484.0	1,514.4	880.3	794.9	85.35	10.314		
8,900.0	7,220.0	8,456.4	6,900.0	51.6	49.0	-68.68	-482.9	1,614.4	880.3	790.0	90.30	9.748		
9,000.0	7,220.0	8,556.4	6,900.0	54.1	51.7	-68.68	-481.7	1,714.4	880.3	785.0	95.29	9.238		
9,100.0	7,220.0	8,656.4	6,900.0	56.7	54.3	-68.68	-480.5	1,814.4	880.3	780.0	100.30	8.776		
9,200.0	7,220.0	8,756.4	6,900.0	59.2	57.0	-68.68	-479.4	1,914.4	880.3	774.9	105.33	8.357		
9,300.0	7,220.0	8,856.4	6,900.0	61.8	59.7	-68.68	-478.2	2,014.4	880.3	769.9	110.39	7.974		
9,400.0	7,220.0	8,956.4	6,900.0	64.4	62.4	-68.68	-477.0	2,114.4	880.3	764.8	115.47	7.624		
9,500.0	7,220.0	9,056.4	6,900.0	67.0	65.1	-68.68	-475.8	2,214.4	880.3	759.7	120.56	7.302		
9,600.0	7,220.0	9,156.4	6,900.0	69.7	67.8	-68.68	-474.7	2,314.4	880.3	754.6	125.66	7.005		
9,700.0	7,220.0	9,256.4	6,900.0	72.3	70.6	-68.68	-473.5	2,414.4	880.3	749.5	130.77	6.731		
9,800.0	7,220.0	9,356.4	6,900.0	75.0	73.3	-68.68	-472.3	2,514.4	880.3	744.4	135.90	6.477		
9,900.0	7,220.0	9,456.4	6,900.0	77.6	76.0	-68.68	-471.2	2,614.4	880.3	739.2	141.04	6.241		
10,000.0	7,220.0	9,556.4	6,900.0	80.3	78.8	-68.68	-470.0	2,714.4	880.3	734.1	146.18	6.022		
10,100.0	7,220.0	9,656.4	6,900.0	83.0	81.5	-68.68	-468.8	2,814.4	880.3	728.9	151.33	5.817		
10,200.0	7,220.0	9,756.4	6,900.0	85.7	84.3	-68.68	-467.6	2,914.4	880.3	723.8	156.49	5.625		
10,300.0	7,220.0	9,856.4	6,900.0	88.4	87.0	-68.68	-466.5	3,014.3	880.3	718.6	161.66	5.445		
10,400.0	7,220.0	9,956.4	6,900.0	91.1	89.8	-68.68	-465.3	3,114.3	880.3	713.4	166.83	5.276		
10,500.0	7,220.0	10,056.4	6,900.0	93.9	92.5	-68.68	-464.1	3,214.3	880.3	708.3	172.01	5.118		
10,600.0	7,220.0	10,156.4	6,900.0	96.6	95.3	-68.68	-463.0	3,314.3	880.3	703.1	177.19	4.968		
10,700.0	7,220.0	10,256.4	6,900.0	99.3	98.0	-68.68	-461.8	3,414.3	880.3	697.9	182.37	4.827		
10,800.0	7,220.0	10,356.4	6,900.0	102.0	100.8	-68.68	-460.6	3,514.3	880.3	692.7	187.56	4.693		
10,900.0	7,220.0	10,456.4	6,900.0	104.8	103.6	-68.68	-459.4	3,614.3	880.3	687.5	192.76	4.567		
11,000.0	7,220.0	10,556.4	6,900.0	107.5	106.4	-68.68	-458.3	3,714.3	880.3	682.3	197.95	4.447		
11,100.0	7,220.0	10,656.4	6,900.0	110.2	109.1	-68.68	-457.1	3,814.3	880.3	677.1	203.15	4.333		
11,200.0	7,220.0	10,756.4	6,900.0	113.0	111.9	-68.68	-455.9	3,914.3	880.3	671.9	208.36	4.225		
11,300.0	7,220.0	10,856.4	6,900.0	115.7	114.7	-68.68	-454.8	4,014.3	880.3	666.7	213.56	4.122		
11,400.0	7,220.0	10,956.4	6,900.0	118.5	117.4	-68.68	-453.6	4,114.3	880.3	661.5	218.77	4.024		
11,500.0	7,220.0	11,056.4	6,900.0	121.2	120.2	-68.68	-452.4	4,214.3	880.3	656.3	223.98	3.930		
11,600.0	7,220.0	11,156.4	6,900.0	124.0	123.0	-68.68	-451.2	4,314.3	880.3	651.1	229.19	3.841		
11,700.0	7,220.0	11,256.4	6,900.0	126.8	125.8	-68.68	-450.1	4,414.3	880.3	645.9	234.40	3.755		
11,800.0	7,220.0	11,356.4	6,900.0	129.5	128.6	-68.68	-448.9	4,514.2	880.3	640.6	239.62	3.674		
11,867.6	7,220.0	11,424.0	6,900.0	131.4	130.2	-68.68	-448.1	4,581.9	880.3	637.3	242.92	3.624 SF		

Company:	Synergy Resources	Local Co-ordinate Reference:	Well SRC Vista 44-2C
Project:	SEC.2-T4N-R68W	TVD Reference:	WELL @ 5013.5ft (Ensign 131 RKB - 13.5')
Reference Site:	SRC Vista Pad Sec.2-T4N-R68W	MD Reference:	WELL @ 5013.5ft (Ensign 131 RKB - 13.5')
Site Error:	0.0 ft	North Reference:	True
Reference Well:	SRC Vista 44-2C	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 ft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	US_EDM
Reference Design:	Plan #2 (9-21-15)	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.0 ft
Survey Program: 0-MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.0	0.0	0.0	0.0	0.0	0.0	0.01	40.1	0.0	40.1					
100.0	100.0	100.0	100.0	0.1	0.1	0.01	40.1	0.0	40.1	39.9	0.22	178.347		
200.0	200.0	200.0	200.0	0.3	0.3	0.01	40.1	0.0	40.1	39.4	0.67	59.449		
300.0	300.0	300.0	300.0	0.6	0.6	0.01	40.1	0.0	40.1	39.0	1.12	35.669		
400.0	400.0	400.0	400.0	0.8	0.8	0.01	40.1	0.0	40.1	38.5	1.57	25.478 CC, ES		
500.0	500.0	500.0	500.0	1.0	1.0	171.77	40.1	0.0	41.4	39.4	2.00	20.674		
600.0	599.9	599.9	599.9	1.2	1.2	172.47	40.1	0.0	45.3	42.8	2.42	18.689		
700.0	699.7	699.7	699.7	1.4	1.5	173.41	40.1	0.0	51.8	48.9	2.86	18.121		
800.0	799.3	799.3	799.3	1.6	1.7	174.39	40.1	0.0	60.9	57.6	3.30	18.451		
900.0	898.6	900.4	900.4	1.9	1.9	175.12	38.8	-0.3	71.3	67.6	3.72	19.172		
1,000.0	997.5	1,001.9	1,001.8	2.2	2.1	175.51	34.9	-1.2	81.7	77.6	4.12	19.829		
1,100.0	1,096.1	1,103.6	1,103.3	2.5	2.3	175.66	28.3	-2.8	92.1	87.6	4.54	20.300		
1,200.0	1,194.2	1,205.7	1,204.9	2.9	2.5	175.66	19.1	-4.9	102.5	97.6	4.97	20.629		
1,300.0	1,291.7	1,308.0	1,306.5	3.3	2.7	175.54	7.3	-7.7	112.9	107.5	5.42	20.846		
1,394.7	1,383.5	1,405.1	1,402.6	3.8	3.0	175.34	-6.5	-11.0	122.7	116.8	5.85	20.968		
1,400.0	1,388.6	1,410.6	1,408.0	3.8	3.0	175.33	-7.3	-11.2	123.2	117.3	5.88	20.970		
1,500.0	1,485.2	1,513.6	1,509.4	4.3	3.3	175.01	-24.6	-15.3	132.1	125.7	6.36	20.767		
1,600.0	1,581.9	1,615.6	1,609.4	4.8	3.7	174.54	-44.2	-19.9	138.4	131.6	6.86	20.184		
1,700.0	1,678.5	1,715.4	1,707.2	5.3	4.0	174.09	-63.8	-24.5	144.3	137.0	7.37	19.580		
1,800.0	1,775.1	1,815.2	1,804.9	5.8	4.4	173.68	-83.4	-29.2	150.2	142.3	7.89	19.044		
1,900.0	1,871.8	1,915.0	1,902.7	6.3	4.8	173.30	-103.1	-33.8	156.1	147.7	8.42	18.547		
2,000.0	1,968.4	2,014.9	2,000.5	6.9	5.2	172.94	-122.7	-38.4	162.0	153.1	8.95	18.096		
2,100.0	2,065.0	2,114.7	2,098.2	7.4	5.6	172.61	-142.4	-43.1	167.9	158.4	9.50	17.685		
2,200.0	2,161.6	2,214.5	2,196.0	7.9	6.0	172.30	-162.0	-47.7	173.9	163.8	10.04	17.310		
2,300.0	2,258.3	2,314.3	2,293.7	8.4	6.4	172.02	-181.7	-52.3	179.8	169.2	10.60	16.966		
2,400.0	2,354.9	2,414.1	2,391.5	9.0	6.9	171.75	-201.3	-57.0	185.7	174.6	11.15	16.650		
2,500.0	2,451.5	2,514.0	2,489.3	9.5	7.3	171.50	-220.9	-61.6	191.6	179.9	11.72	16.359		
2,600.0	2,548.2	2,613.8	2,587.0	10.0	7.7	171.26	-240.6	-66.2	197.6	185.3	12.28	16.090		
2,700.0	2,644.8	2,713.6	2,684.8	10.6	8.2	171.04	-260.2	-70.9	203.5	190.7	12.85	15.841		
2,800.0	2,741.4	2,813.4	2,782.5	11.1	8.6	170.82	-279.9	-75.5	209.5	196.0	13.42	15.611		
2,900.0	2,838.0	2,913.2	2,880.3	11.6	9.0	170.63	-299.5	-80.2	215.4	201.4	13.99	15.396		
3,000.0	2,934.7	3,013.1	2,978.1	12.2	9.5	170.44	-319.2	-84.8	221.3	206.8	14.57	15.197		
3,100.0	3,031.3	3,112.9	3,075.8	12.7	9.9	170.26	-338.8	-89.4	227.3	212.1	15.14	15.010		
3,200.0	3,127.9	3,212.7	3,173.6	13.3	10.3	170.09	-358.5	-94.1	233.2	217.5	15.72	14.836		
3,300.0	3,224.6	3,312.5	3,271.3	13.8	10.8	169.93	-378.1	-98.7	239.2	222.9	16.30	14.672		
3,400.0	3,321.2	3,412.3	3,369.1	14.3	11.2	169.77	-397.7	-103.3	245.1	228.3	16.89	14.519		
3,500.0	3,417.8	3,512.2	3,466.8	14.9	11.6	169.63	-417.4	-108.0	251.1	233.6	17.47	14.374		
3,600.0	3,514.4	3,612.0	3,564.6	15.4	12.1	169.49	-437.0	-112.6	257.1	239.0	18.05	14.238		
3,700.0	3,611.1	3,711.8	3,662.4	15.9	12.5	169.36	-456.7	-117.2	263.0	244.4	18.64	14.109		
3,800.0	3,707.7	3,811.6	3,760.1	16.5	13.0	169.23	-476.3	-121.9	269.0	249.7	19.23	13.988		
3,900.0	3,804.3	3,911.4	3,857.9	17.0	13.4	169.11	-496.0	-126.5	274.9	255.1	19.82	13.873		
4,000.0	3,901.0	4,011.3	3,955.6	17.6	13.8	168.99	-515.6	-131.2	280.9	260.5	20.41	13.764		
4,100.0	3,997.6	4,111.1	4,053.4	18.1	14.3	168.88	-535.2	-135.8	286.9	265.9	21.00	13.661		
4,200.0	4,094.2	4,210.9	4,151.2	18.6	14.7	168.77	-554.9	-140.4	292.8	271.2	21.59	13.562		
4,300.0	4,190.8	4,310.7	4,248.9	19.2	15.2	168.67	-574.5	-145.1	298.8	276.6	22.18	13.469		
4,400.0	4,287.5	4,410.5	4,346.7	19.7	15.6	168.57	-594.2	-149.7	304.8	282.0	22.78	13.380		
4,500.0	4,384.1	4,510.4	4,444.4	20.2	16.1	168.48	-613.8	-154.3	310.7	287.4	23.37	13.295		
4,600.0	4,480.7	4,610.2	4,542.2	20.8	16.5	168.39	-633.5	-159.0	316.7	292.7	23.97	13.214		
4,700.0	4,577.4	4,710.0	4,640.0	21.3	17.0	168.30	-653.1	-163.6	322.7	298.1	24.56	13.136		
4,800.0	4,674.0	4,809.8	4,737.7	21.9	17.4	168.21	-672.8	-168.2	328.6	303.5	25.16	13.062		
4,900.0	4,770.6	4,909.7	4,835.5	22.4	17.8	168.13	-692.4	-172.9	334.6	308.8	25.76	12.991		
5,000.0	4,867.2	5,009.5	4,933.2	22.9	18.3	168.05	-712.0	-177.5	340.6	314.2	26.35	12.923		

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 44-2C
Project:	SEC.2-T4N-R68W	TVD Reference:	WELL @ 5013.5ft (Ensign 131 RKB - 13.5')
Reference Site:	SRC Vista Pad Sec.2-T4N-R68W	MD Reference:	WELL @ 5013.5ft (Ensign 131 RKB - 13.5')
Site Error:	0.0 ft	North Reference:	True
Reference Well:	SRC Vista 44-2C	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 ft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	US_EDM
Reference Design:	Plan #2 (9-21-15)	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		
5,100.0	4,963.9	5,109.3	5,031.0	23.5	18.7	167.98	-731.7	-182.2	346.5	319.6	26.95	12.858		
5,200.0	5,060.5	5,208.3	5,127.9	24.0	19.2	167.90	-751.2	-186.7	352.5	325.0	27.54	12.798		
5,300.0	5,157.1	5,300.0	5,218.1	24.6	19.5	167.92	-767.6	-190.6	360.2	332.2	28.08	12.830		
5,400.0	5,253.8	5,385.9	5,303.0	25.1	19.7	168.05	-780.4	-193.7	370.9	342.3	28.54	12.993		
5,500.0	5,350.4	5,473.9	5,390.3	25.6	19.9	168.29	-791.0	-196.1	384.5	355.5	28.98	13.265		
5,600.0	5,447.0	5,561.0	5,477.0	26.2	20.1	168.62	-798.9	-198.0	401.0	371.6	29.40	13.641		
5,700.0	5,543.6	5,647.2	5,563.0	26.7	20.3	169.03	-804.1	-199.2	420.4	390.6	29.78	14.114		
5,719.4	5,562.4	5,663.8	5,579.6	26.8	20.3	169.11	-804.8	-199.4	424.5	394.6	29.86	14.217		
5,800.0	5,640.5	5,732.5	5,648.3	27.2	20.4	169.52	-806.9	-199.9	441.5	411.4	30.16	14.639		
5,900.0	5,738.2	5,822.5	5,738.2	27.5	20.5	170.02	-807.3	-200.0	462.0	431.5	30.48	15.156		
6,000.0	5,836.6	5,920.8	5,836.6	27.8	20.6	170.45	-807.3	-200.0	479.6	448.9	30.77	15.587		
6,100.0	5,935.6	6,019.8	5,935.6	28.0	20.7	170.78	-807.3	-200.0	493.9	462.9	31.04	15.914		
6,200.0	6,035.0	6,119.2	6,035.0	28.3	20.8	171.01	-807.3	-200.0	504.8	473.5	31.27	16.142		
6,300.0	6,134.7	6,218.9	6,134.7	28.4	20.9	171.16	-807.3	-200.0	512.2	480.7	31.47	16.275		
6,400.0	6,234.6	6,318.5	6,234.2	28.6	21.0	171.44	-807.3	-198.2	516.2	484.6	31.60	16.337		
6,465.4	6,300.0	6,382.6	6,297.9	28.6	21.1	0.77	-807.2	-190.9	517.0	467.7	49.36	10.475		
6,500.0	6,334.6	6,415.9	6,330.6	28.7	21.1	1.44	-807.1	-184.8	517.2	467.8	49.48	10.453		
6,600.0	6,434.6	6,508.0	6,419.4	28.7	21.2	4.16	-806.8	-160.2	518.9	469.1	49.81	10.419		
6,669.2	6,503.8	6,567.5	6,474.7	28.8	21.2	6.56	-806.6	-138.3	521.8	471.9	49.98	10.442		
6,700.0	6,534.6	6,592.9	6,497.7	28.8	21.2	-81.51	-806.5	-127.6	523.7	492.1	31.57	16.590		
6,750.0	6,584.4	6,633.6	6,533.7	28.9	21.2	-79.51	-806.2	-108.7	527.2	495.6	31.63	16.668		
6,800.0	6,633.9	6,673.5	6,568.0	28.9	21.2	-77.57	-806.0	-88.3	531.3	499.5	31.74	16.739		
6,850.0	6,682.7	6,712.8	6,600.5	28.9	21.2	-75.70	-805.7	-66.3	535.8	503.9	31.88	16.807		
6,900.0	6,730.6	6,750.0	6,630.2	28.9	21.2	-73.96	-805.5	-43.9	540.7	508.7	32.03	16.882		
6,950.0	6,777.4	6,789.6	6,660.5	29.0	21.3	-72.20	-805.2	-18.4	545.9	513.7	32.21	16.948		
7,000.0	6,822.9	6,827.2	6,687.9	29.0	21.3	-70.59	-804.9	7.4	551.3	519.0	32.38	17.027		
7,050.0	6,866.9	6,864.5	6,713.7	29.0	21.3	-69.06	-804.6	34.3	556.8	524.3	32.54	17.114		
7,100.0	6,909.1	6,900.0	6,736.9	29.0	21.3	-67.67	-804.2	61.2	562.3	529.8	32.59	17.254		
7,150.0	6,949.3	6,937.8	6,760.2	29.0	21.3	-66.30	-803.9	91.0	567.8	535.1	32.67	17.380		
7,200.0	6,987.3	6,974.0	6,780.9	29.0	21.4	-65.07	-803.6	120.7	573.1	540.4	32.71	17.520		
7,250.0	7,023.0	7,009.9	6,800.0	29.0	21.4	-63.95	-803.2	151.1	578.2	545.5	32.71	17.676		
7,300.0	7,056.1	7,050.0	6,819.4	29.1	21.5	-62.84	-802.8	186.1	583.1	550.4	32.74	17.810		
7,350.0	7,086.6	7,081.1	6,833.1	29.1	21.6	-62.00	-802.5	214.0	587.6	555.0	32.69	17.977		
7,400.0	7,114.2	7,116.3	6,847.2	29.1	21.7	-61.18	-802.1	246.3	591.8	559.1	32.69	18.105		
7,450.0	7,138.9	7,150.0	6,859.2	29.2	21.8	-60.48	-801.7	277.8	595.6	562.9	32.71	18.211		
7,500.0	7,160.4	7,186.4	6,870.4	29.3	22.0	-59.85	-801.3	312.4	598.9	566.1	32.83	18.245		
7,550.0	7,178.8	7,221.2	6,879.5	29.4	22.2	-59.33	-800.9	346.0	601.7	568.7	33.01	18.229		
7,600.0	7,193.8	7,250.0	6,885.8	29.6	22.4	-58.95	-800.6	374.1	604.1	570.9	33.21	18.190		
7,650.0	7,205.5	7,290.6	6,892.7	29.7	22.8	-58.60	-800.1	414.1	605.9	572.2	33.70	17.976		
7,700.0	7,213.8	7,325.2	6,896.8	30.0	23.2	-58.38	-799.7	448.4	607.1	572.9	34.25	17.725		
7,750.0	7,218.6	7,359.8	6,899.2	30.2	23.7	-58.26	-799.3	482.9	607.8	572.9	34.94	17.397		
7,794.2	7,220.0	7,393.0	6,900.0	30.6	24.1	-58.24	-798.9	516.1	607.9	572.2	35.71	17.025		
7,798.2	7,220.0	7,393.2	6,900.0	30.6	24.1	-58.24	-798.9	516.3	607.9	572.1	35.78	16.992		
7,800.0	7,220.0	7,394.9	6,900.0	30.6	24.2	-58.24	-798.9	518.1	607.9	572.1	35.84	16.964		
7,900.0	7,220.0	7,494.9	6,900.0	31.5	25.9	-58.24	-797.7	618.1	607.9	568.6	39.32	15.460		
8,000.0	7,220.0	7,594.9	6,900.0	32.7	27.8	-58.24	-796.5	718.0	607.9	564.9	43.07	14.115		
8,100.0	7,220.0	7,694.9	6,900.0	34.2	29.9	-58.24	-795.4	818.0	607.9	560.9	47.02	12.930		
8,200.0	7,220.0	7,794.9	6,900.0	35.9	32.2	-58.24	-794.2	918.0	607.9	556.8	51.11	11.893		
8,300.0	7,220.0	7,894.9	6,900.0	37.8	34.5	-58.24	-793.0	1,018.0	607.9	552.6	55.33	10.987		
8,400.0	7,220.0	7,994.9	6,900.0	39.9	36.9	-58.24	-791.9	1,118.0	607.9	548.3	59.65	10.192		
8,500.0	7,220.0	8,094.9	6,900.0	42.1	39.4	-58.24	-790.7	1,218.0	607.9	543.9	64.03	9.494		
8,600.0	7,220.0	8,194.9	6,900.0	44.4	41.9	-58.24	-789.5	1,318.0	607.9	539.5	68.48	8.877		

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 44-2C
Project:	SEC.2-T4N-R68W	TVD Reference:	WELL @ 5013.5ft (Ensign 131 RKB - 13.5')
Reference Site:	SRC Vista Pad Sec.2-T4N-R68W	MD Reference:	WELL @ 5013.5ft (Ensign 131 RKB - 13.5')
Site Error:	0.0 ft	North Reference:	True
Reference Well:	SRC Vista 44-2C	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 ft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	US_EDM
Reference Design:	Plan #2 (9-21-15)	Offset TVD Reference:	Offset Datum

Offset Design SRC Vista Pad Sec.2-T4N-R68W - SRC Vista D-2N-C - Wellbore #1 - Plan #2 (9-21-15)													Offset Site Error:	0.0 ft
Survey Program: 0-MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,700.0	7,220.0	8,294.9	6,900.0	46.7	44.4	-58.24	-788.3	1,418.0	607.9	535.0	72.98	8.330		
8,800.0	7,220.0	8,394.9	6,900.0	49.2	47.0	-58.24	-787.2	1,518.0	607.9	530.4	77.52	7.842		
8,900.0	7,220.0	8,494.9	6,900.0	51.6	49.6	-58.24	-786.0	1,618.0	607.9	525.8	82.09	7.406		
9,000.0	7,220.0	8,594.9	6,900.0	54.1	52.2	-58.24	-784.8	1,718.0	607.9	521.2	86.69	7.012		
9,100.0	7,220.0	8,694.9	6,900.0	56.7	54.9	-58.24	-783.6	1,818.0	607.9	516.6	91.32	6.657		
9,200.0	7,220.0	8,794.9	6,900.0	59.2	57.5	-58.24	-782.5	1,918.0	607.9	512.0	95.97	6.335		
9,300.0	7,220.0	8,894.9	6,900.0	61.8	60.2	-58.24	-781.3	2,018.0	607.9	507.3	100.63	6.041		
9,400.0	7,220.0	8,994.9	6,900.0	64.4	62.9	-58.24	-780.1	2,118.0	607.9	502.6	105.31	5.773		
9,500.0	7,220.0	9,094.9	6,900.0	67.0	65.6	-58.24	-778.9	2,217.9	607.9	497.9	110.01	5.526		
9,600.0	7,220.0	9,194.9	6,900.0	69.7	68.3	-58.24	-777.8	2,317.9	607.9	493.2	114.71	5.300		
9,700.0	7,220.0	9,294.9	6,900.0	72.3	71.0	-58.24	-776.6	2,417.9	607.9	488.5	119.43	5.090		
9,800.0	7,220.0	9,394.9	6,900.0	75.0	73.7	-58.24	-775.4	2,517.9	607.9	483.8	124.16	4.897		
9,900.0	7,220.0	9,494.9	6,900.0	77.6	76.4	-58.24	-774.3	2,617.9	607.9	479.1	128.89	4.717		
10,000.0	7,220.0	9,594.9	6,900.0	80.3	79.1	-58.24	-773.1	2,717.9	607.9	474.3	133.63	4.549		
10,100.0	7,220.0	9,694.9	6,900.0	83.0	81.9	-58.24	-771.9	2,817.9	607.9	469.6	138.38	4.393		
10,200.0	7,220.0	9,794.9	6,900.0	85.7	84.6	-58.24	-770.7	2,917.9	607.9	464.8	143.13	4.247		
10,300.0	7,220.0	9,894.9	6,900.0	88.4	87.4	-58.24	-769.6	3,017.9	608.0	460.1	147.89	4.111		
10,400.0	7,220.0	9,994.9	6,900.0	91.1	90.1	-58.24	-768.4	3,117.9	608.0	455.3	152.66	3.982		
10,500.0	7,220.0	10,094.9	6,900.0	93.9	92.9	-58.24	-767.2	3,217.9	608.0	450.5	157.43	3.862		
10,600.0	7,220.0	10,194.9	6,900.0	96.6	95.6	-58.24	-766.0	3,317.9	608.0	445.8	162.20	3.748		
10,700.0	7,220.0	10,294.9	6,900.0	99.3	98.4	-58.24	-764.9	3,417.9	608.0	441.0	166.98	3.641		
10,800.0	7,220.0	10,394.9	6,900.0	102.0	101.1	-58.24	-763.7	3,517.9	608.0	436.2	171.76	3.540		
10,900.0	7,220.0	10,494.9	6,900.0	104.8	103.9	-58.24	-762.5	3,617.8	608.0	431.4	176.54	3.444		
11,000.0	7,220.0	10,594.9	6,900.0	107.5	106.6	-58.24	-761.4	3,717.8	608.0	426.6	181.33	3.353		
11,100.0	7,220.0	10,694.9	6,900.0	110.2	109.4	-58.24	-760.2	3,817.8	608.0	421.8	186.12	3.267		
11,200.0	7,220.0	10,794.9	6,900.0	113.0	112.2	-58.24	-759.0	3,917.8	608.0	417.1	190.91	3.185		
11,300.0	7,220.0	10,894.9	6,900.0	115.7	114.9	-58.24	-757.8	4,017.8	608.0	412.3	195.70	3.107		
11,400.0	7,220.0	10,994.9	6,900.0	118.5	117.7	-58.24	-756.7	4,117.8	608.0	407.5	200.50	3.032		
11,500.0	7,220.0	11,094.9	6,900.0	121.2	120.5	-58.24	-755.5	4,217.8	608.0	402.7	205.30	2.961		
11,600.0	7,220.0	11,194.9	6,900.0	124.0	123.3	-58.24	-754.3	4,317.8	608.0	397.9	210.10	2.894		
11,700.0	7,220.0	11,294.9	6,900.0	126.8	126.0	-58.24	-753.1	4,417.8	608.0	393.1	214.90	2.829		
11,800.0	7,220.0	11,394.9	6,900.0	129.5	128.8	-58.24	-752.0	4,517.8	608.0	388.3	219.70	2.767		
11,867.6	7,220.0	11,462.6	6,900.0	131.4	130.7	-58.24	-751.2	4,585.4	608.0	385.0	222.95	2.727 SF		

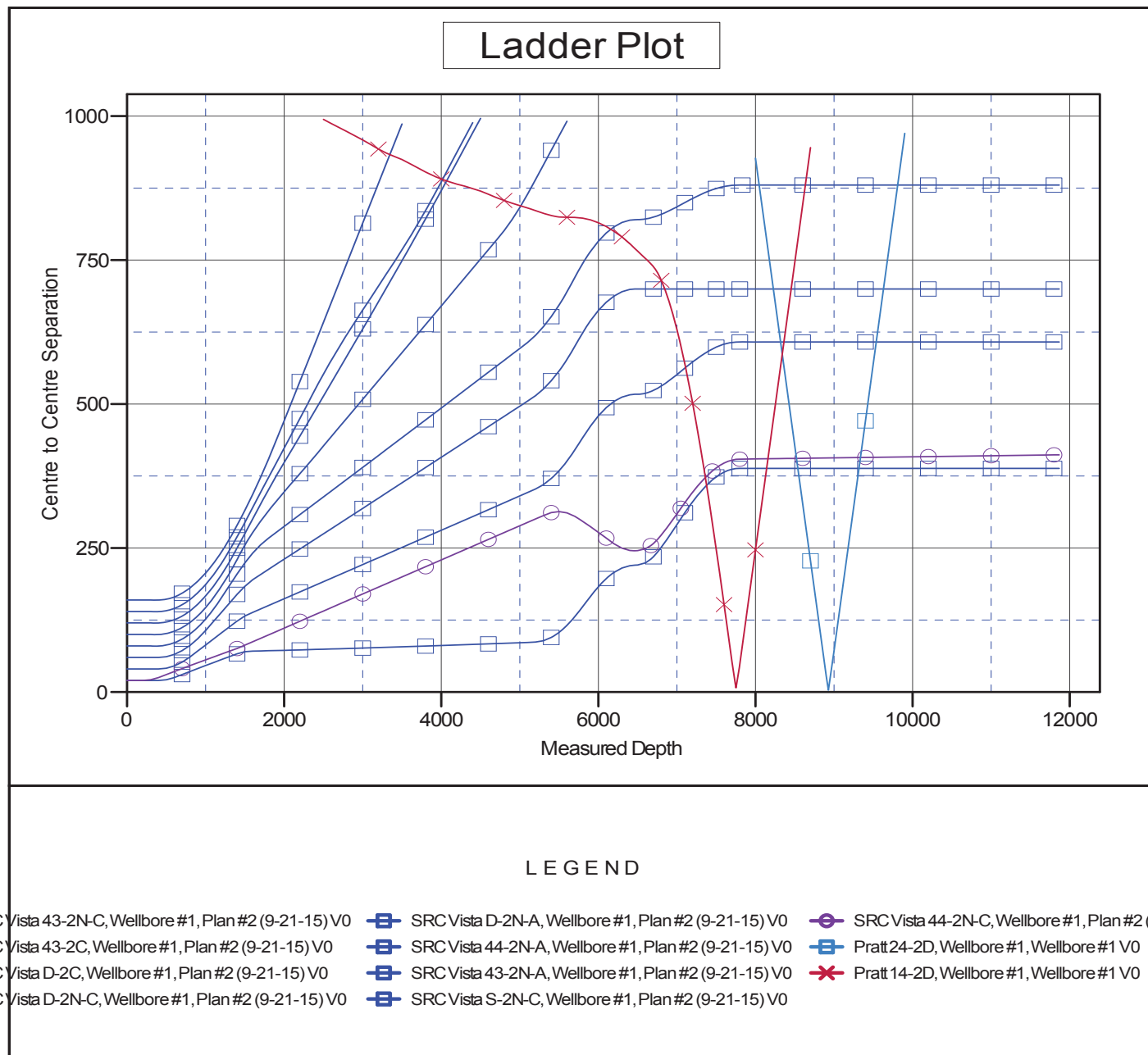
Company:	Synergy Resources	Local Co-ordinate Reference:	Well SRC Vista 44-2C
Project:	SEC.2-T4N-R68W	TVD Reference:	WELL @ 5013.5ft (Ensign 131 RKB - 13.5')
Reference Site:	SRC Vista Pad Sec.2-T4N-R68W	MD Reference:	WELL @ 5013.5ft (Ensign 131 RKB - 13.5')
Site Error:	0.0 ft	North Reference:	True
Reference Well:	SRC Vista 44-2C	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 ft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	US_EDM
Reference Design:	Plan #2 (9-21-15)	Offset TVD Reference:	Offset Datum

Offset Design		SRC Vista Pad Sec.2-T4N-R68W - SRC Vista S-2N-C - Wellbore #1 - Plan #2 (9-21-15)											Offset Site Error:		0.0 ft
Survey Program:		0-MWD											Offset Well Error:		0.0 ft
Reference		Offset		Semi Major Axis			Distance								
Measured Depth	Vertical	Measured	Vertical	Reference	Offset	Highside	Offset Wellbore Centre		Between	Between	Minimum	Separation	Warning		
Depth (ft)	Depth (ft)	Depth (ft)	Depth (ft)	(ft)	(ft)	Toolface (°)	+N/-S (ft)	+E/-W (ft)	Centres (ft)	Ellipses (ft)	Separation (ft)	Factor			
0.0	0.0	0.0	0.0	0.0	0.0	0.01	159.9	0.0	159.9						
100.0	100.0	100.0	100.0	0.1	0.1	0.01	159.9	0.0	159.9	159.7	0.22	711.546			
200.0	200.0	200.0	200.0	0.3	0.3	0.01	159.9	0.0	159.9	159.3	0.67	237.182			
300.0	300.0	300.0	300.0	0.6	0.6	0.01	159.9	0.0	159.9	158.8	1.12	142.309			
400.0	400.0	400.0	400.0	0.8	0.8	0.01	159.9	0.0	159.9	158.4	1.57	101.649	CC, ES		
500.0	500.0	500.0	500.0	1.0	1.0	171.57	159.9	0.0	161.2	159.2	2.00	80.548			
600.0	599.9	599.9	599.9	1.2	1.2	171.76	159.9	0.0	165.1	162.7	2.42	68.163			
700.0	699.7	699.7	699.7	1.4	1.5	172.06	159.9	0.0	171.6	168.7	2.86	60.070			
800.0	799.3	799.3	799.3	1.6	1.7	172.44	159.9	0.0	180.7	177.4	3.30	54.768			
900.0	898.6	898.6	898.6	1.9	1.9	172.88	159.9	0.0	192.3	188.6	3.75	51.343			
1,000.0	997.5	997.5	997.5	2.2	2.1	173.35	159.9	0.0	206.6	202.4	4.20	49.226			
1,100.0	1,096.1	1,096.1	1,096.1	2.5	2.4	173.83	159.9	0.0	223.4	218.7	4.65	48.050			
1,200.0	1,194.2	1,194.2	1,194.2	2.9	2.6	174.29	159.9	0.0	242.8	237.7	5.10	47.571	SF		
1,300.0	1,291.7	1,291.7	1,291.7	3.3	2.8	174.74	159.9	0.0	264.8	259.2	5.56	47.620			
1,394.7	1,383.5	1,383.5	1,383.5	3.8	3.0	175.13	159.9	0.0	287.9	281.9	5.99	48.043			
1,400.0	1,388.6	1,388.6	1,388.6	3.8	3.0	175.15	159.9	0.0	289.3	283.3	6.02	48.074			
1,500.0	1,485.2	1,480.6	1,480.6	4.3	3.2	175.42	160.6	-0.6	315.6	309.1	6.47	48.757			
1,600.0	1,581.9	1,571.1	1,571.1	4.8	3.4	175.37	162.8	-2.5	343.5	336.6	6.93	49.548			
1,700.0	1,678.5	1,660.8	1,660.6	5.3	3.6	175.09	166.6	-5.9	373.0	365.6	7.40	50.424			
1,800.0	1,775.1	1,749.4	1,748.9	5.8	3.8	174.63	171.9	-10.6	404.0	396.2	7.87	51.365			
1,900.0	1,871.8	1,836.9	1,836.0	6.3	4.0	174.04	178.6	-16.5	436.7	428.4	8.34	52.351			
2,000.0	1,968.4	1,927.7	1,926.1	6.9	4.2	173.36	186.9	-23.8	470.7	461.9	8.83	53.289			
2,100.0	2,065.0	2,021.5	2,019.2	7.4	4.5	172.73	195.7	-31.5	504.9	495.6	9.33	54.110			
2,200.0	2,161.6	2,115.4	2,112.3	7.9	4.7	172.18	204.4	-39.2	539.2	529.3	9.84	54.798			
2,300.0	2,258.3	2,209.2	2,205.4	8.4	5.0	171.69	213.1	-46.9	573.5	563.1	10.35	55.407			
2,400.0	2,354.9	2,303.0	2,298.5	9.0	5.2	171.26	221.8	-54.6	607.8	596.9	10.87	55.937			
2,500.0	2,451.5	2,396.9	2,391.6	9.5	5.5	170.88	230.5	-62.2	642.1	630.7	11.39	56.401			
2,600.0	2,548.2	2,490.7	2,484.7	10.0	5.8	170.53	239.2	-69.9	676.5	664.6	11.91	56.810			
2,700.0	2,644.8	2,584.5	2,577.9	10.6	6.0	170.22	247.9	-77.6	710.9	698.5	12.43	57.173			
2,800.0	2,741.4	2,678.4	2,671.0	11.1	6.3	169.94	256.6	-85.3	745.3	732.3	12.96	57.497			
2,900.0	2,838.0	2,772.2	2,764.1	11.6	6.6	169.68	265.3	-93.0	779.7	766.2	13.49	57.786			
3,000.0	2,934.7	2,866.0	2,857.2	12.2	6.9	169.44	274.0	-100.6	814.2	800.1	14.03	58.046			
3,100.0	3,031.3	2,959.9	2,950.3	12.7	7.2	169.23	282.7	-108.3	848.6	834.0	14.56	58.281			
3,200.0	3,127.9	3,053.7	3,043.4	13.3	7.4	169.03	291.4	-116.0	883.1	868.0	15.10	58.494			
3,300.0	3,224.6	3,147.5	3,136.5	13.8	7.7	168.84	300.2	-123.7	917.5	901.9	15.63	58.688			
3,400.0	3,321.2	3,241.4	3,229.6	14.3	8.0	168.67	308.9	-131.4	952.0	935.8	16.17	58.864			
3,500.0	3,417.8	3,335.2	3,322.8	14.9	8.3	168.51	317.6	-139.1	986.5	969.8	16.71	59.026			

Company:	Synergy Resources	Local Co-ordinate Reference:	Well SRC Vista 44-2C
Project:	SEC.2-T4N-R68W	TVD Reference:	WELL @ 5013.5ft (Ensign 131 RKB - 13.5')
Reference Site:	SRC Vista Pad Sec.2-T4N-R68W	MD Reference:	WELL @ 5013.5ft (Ensign 131 RKB - 13.5')
Site Error:	0.0 ft	North Reference:	True
Reference Well:	SRC Vista 44-2C	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 ft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	US_EDM
Reference Design:	Plan #2 (9-21-15)	Offset TVD Reference:	Offset Datum

Reference Depths are relative to WELL @ 5013.5ft (Ensign 131 RKB -
Offset Depths are relative to Offset Datum
Central Meridian is -105.500000

Coordinates are relative to: SRC Vista 44-2C
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 44-2C
Project:	SEC.2-T4N-R68W	TVD Reference:	WELL @ 5013.5ft (Ensign 131 RKB - 13.5')
Reference Site:	SRC Vista Pad Sec.2-T4N-R68W	MD Reference:	WELL @ 5013.5ft (Ensign 131 RKB - 13.5')
Site Error:	0.0 ft	North Reference:	True
Reference Well:	SRC Vista 44-2C	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 ft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	US_EDM
Reference Design:	Plan #2 (9-21-15)	Offset TVD Reference:	Offset Datum

Reference Depths are relative to WELL @ 5013.5ft (Ensign 131 RKB -
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Central Meridian is -105.500000

Coordinates are relative to: SRC Vista 44-2C
Coordinate System is US State Plane 1983, Colorado Northern Zone
Grid Convergence at Surface is: 0.34°

