

Synergy Resources

Well Name: **SRC Vista D-2N-A**

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

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

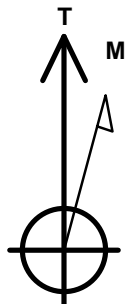
Ground Elevation: 5000.0

+N/-S +E/-W Northing Easting Latitude Longitude Slot
0.0 0.0 1367636.96 3145254.98 40.341393 -104.978905

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

DESIGN TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Shape
SHL 2143'FSL & 254'FWL	1.0	0.0	0.0	Point
BHL 1575'FSL & 460'FEL	6900.0	-528.2	4588.8	Point



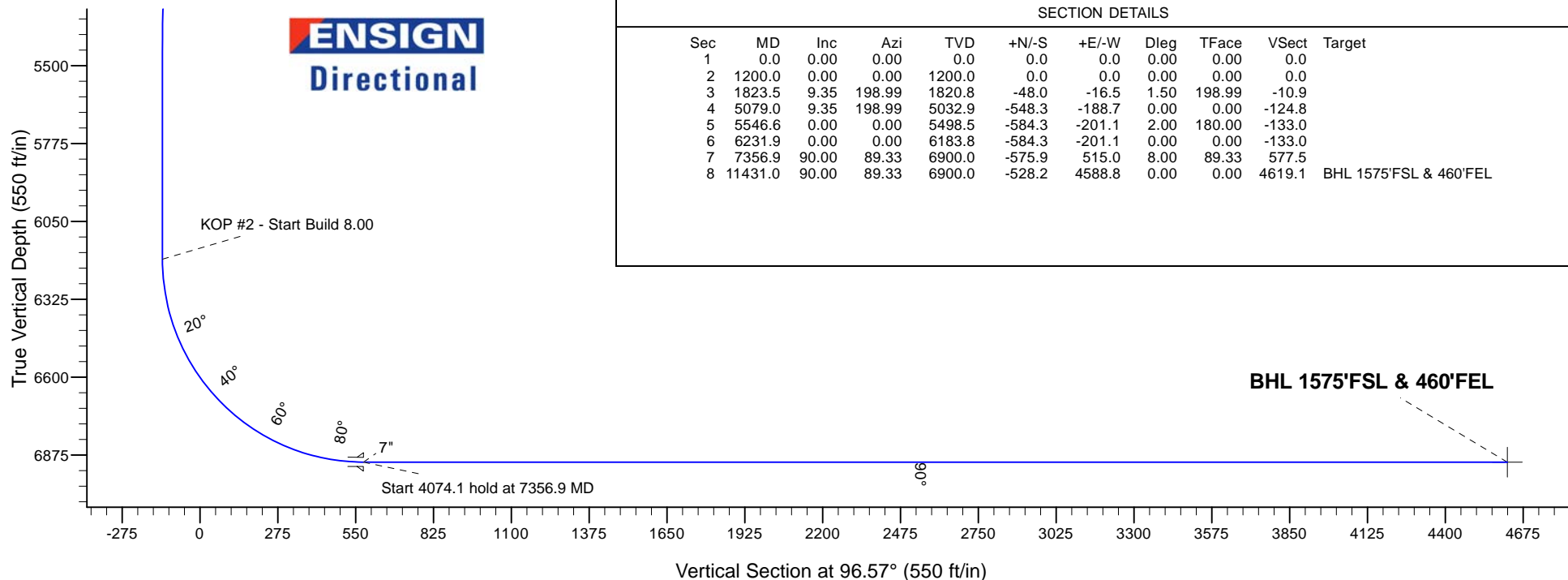
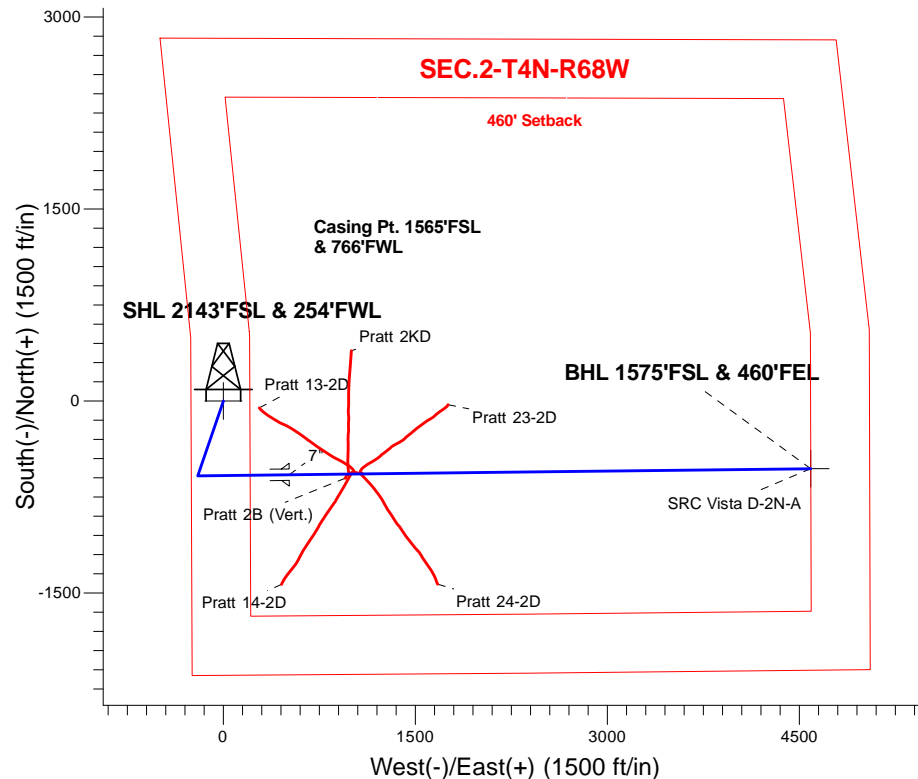
Azimuths to True North
Magnetic North: 8.53°

Magnetic Field
Strength: 52729.4snT
Dip Angle: 66.85°
Date: 10/1/2014
Model: IGRF2010

SRC Vista Pad Sec.2-T4N-R68W
SRC Vista D-2N-A
Plan #2 (9-21-15)
17:42, September 21 2015

ANNOTATIONS

TVD	MD	Annotation
1200.0	1200.0	KOP - Start Build 1.50
5033.0	5079.0	Start Drop -2.00
6183.8	6231.9	KOP #2 - Start Build 8.00
6900.0	7356.9	Start 4074.1 hold at 7356.9 MD
6900.0	11431.0	TD at 11431.0



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	1200.0	0.00	0.00	1200.0	0.0	0.0	0.00	0.00	0.0	
3	1823.5	9.35	198.99	1820.8	-48.0	-16.5	1.50	198.99	-10.9	
4	5079.0	9.35	198.99	5032.9	-548.3	-188.7	0.00	0.00	-124.8	
5	5546.6	0.00	0.00	5498.5	-584.3	-201.1	2.00	180.00	-133.0	
6	6231.9	0.00	0.00	6183.8	-584.3	-201.1	0.00	0.00	-133.0	
7	7356.9	90.00	89.33	6900.0	-575.9	515.0	8.00	89.33	577.5	
8	11431.0	90.00	89.33	6900.0	-528.2	4588.8	0.00	0.00	4619.1	BHL 1575'FSL & 460'FEL



Directional

Synergy Resources

SEC.2-T4N-R68W

SRC Vista Pad Sec.2-T4N-R68W

SRC Vista D-2N-A

Wellbore #1

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

Standard Planning Report

21 September, 2015



Database:	US_EDM	Local Co-ordinate Reference:	Well SRC Vista D-2N-A
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 D-2N-A	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 D-2N-A			
Well Position	+N/-S	100.2 ft	Northing:	1,367,636.96 usft
	+E/-W	-0.3 ft	Easting:	3,145,254.98 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	10/1/2014	8.53	66.85	52,729

Design	Plan #2 (9-21-15)			
Audit Notes:				
Version:	Phase:	PROTOTYPE	Tie On Depth:	0.0
Vertical Section:	Depth From (TVD) (ft)	+N/-S (ft)	+E/-W (ft)	Direction (°)
	0.0	0.0	0.0	96.57

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	
1,200.0	0.00	0.00	1,200.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,823.5	9.35	198.99	1,820.8	-48.0	-16.5	1.50	1.50	0.00	198.99	
5,079.0	9.35	198.99	5,032.9	-548.3	-188.7	0.00	0.00	0.00	0.00	
5,546.6	0.00	0.00	5,498.5	-584.3	-201.1	2.00	-2.00	0.00	180.00	
6,231.9	0.00	0.00	6,183.8	-584.3	-201.1	0.00	0.00	0.00	0.00	
7,356.9	90.00	89.33	6,900.0	-575.9	515.0	8.00	8.00	0.00	89.33	
11,431.0	90.00	89.33	6,900.0	-528.2	4,588.8	0.00	0.00	0.00	0.00	BHL 1575'FSL & 460'

Database:	US_EDM	Local Co-ordinate Reference:	Well SRC Vista D-2N-A
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 D-2N-A	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 2143'FSL & 254'FWL									
100.0	0.00	0.00	100.0	0.0	0.0	0.0	0.00	0.00	0.00
200.0	0.00	0.00	200.0	0.0	0.0	0.0	0.00	0.00	0.00
300.0	0.00	0.00	300.0	0.0	0.0	0.0	0.00	0.00	0.00
400.0	0.00	0.00	400.0	0.0	0.0	0.0	0.00	0.00	0.00
500.0	0.00	0.00	500.0	0.0	0.0	0.0	0.00	0.00	0.00
600.0	0.00	0.00	600.0	0.0	0.0	0.0	0.00	0.00	0.00
700.0	0.00	0.00	700.0	0.0	0.0	0.0	0.00	0.00	0.00
800.0	0.00	0.00	800.0	0.0	0.0	0.0	0.00	0.00	0.00
900.0	0.00	0.00	900.0	0.0	0.0	0.0	0.00	0.00	0.00
1,000.0	0.00	0.00	1,000.0	0.0	0.0	0.0	0.00	0.00	0.00
1,100.0	0.00	0.00	1,100.0	0.0	0.0	0.0	0.00	0.00	0.00
1,200.0	0.00	0.00	1,200.0	0.0	0.0	0.0	0.00	0.00	0.00
KOP - Start Build 1.50									
1,300.0	1.50	198.99	1,300.0	-1.2	-0.4	-0.3	1.50	1.50	0.00
1,400.0	3.00	198.99	1,399.9	-4.9	-1.7	-1.1	1.50	1.50	0.00
1,500.0	4.50	198.99	1,499.7	-11.1	-3.8	-2.5	1.50	1.50	0.00
1,600.0	6.00	198.99	1,599.3	-19.8	-6.8	-4.5	1.50	1.50	0.00
1,700.0	7.50	198.99	1,698.6	-30.9	-10.6	-7.0	1.50	1.50	0.00
1,800.0	9.00	198.99	1,797.5	-44.5	-15.3	-10.1	1.50	1.50	0.00
1,823.5	9.35	198.99	1,820.8	-48.0	-16.5	-10.9	1.50	1.50	0.00
1,900.0	9.35	198.99	1,896.2	-59.8	-20.6	-13.6	0.00	0.00	0.00
2,000.0	9.35	198.99	1,994.9	-75.1	-25.9	-17.1	0.00	0.00	0.00
2,100.0	9.35	198.99	2,093.6	-90.5	-31.1	-20.6	0.00	0.00	0.00
2,200.0	9.35	198.99	2,192.2	-105.9	-36.4	-24.1	0.00	0.00	0.00
2,300.0	9.35	198.99	2,290.9	-121.2	-41.7	-27.6	0.00	0.00	0.00
2,400.0	9.35	198.99	2,389.6	-136.6	-47.0	-31.1	0.00	0.00	0.00
2,500.0	9.35	198.99	2,488.2	-152.0	-52.3	-34.6	0.00	0.00	0.00
2,600.0	9.35	198.99	2,586.9	-167.3	-57.6	-38.1	0.00	0.00	0.00
2,700.0	9.35	198.99	2,685.6	-182.7	-62.9	-41.6	0.00	0.00	0.00
2,800.0	9.35	198.99	2,784.3	-198.1	-68.2	-45.1	0.00	0.00	0.00
2,900.0	9.35	198.99	2,882.9	-213.4	-73.5	-48.6	0.00	0.00	0.00
3,000.0	9.35	198.99	2,981.6	-228.8	-78.7	-52.1	0.00	0.00	0.00
3,100.0	9.35	198.99	3,080.3	-244.2	-84.0	-55.6	0.00	0.00	0.00
3,200.0	9.35	198.99	3,178.9	-259.5	-89.3	-59.1	0.00	0.00	0.00
3,300.0	9.35	198.99	3,277.6	-274.9	-94.6	-62.6	0.00	0.00	0.00
3,400.0	9.35	198.99	3,376.3	-290.3	-99.9	-66.1	0.00	0.00	0.00
3,500.0	9.35	198.99	3,474.9	-305.6	-105.2	-69.6	0.00	0.00	0.00
3,600.0	9.35	198.99	3,573.6	-321.0	-110.5	-73.1	0.00	0.00	0.00
3,700.0	9.35	198.99	3,672.3	-336.4	-115.8	-76.5	0.00	0.00	0.00
3,800.0	9.35	198.99	3,771.0	-351.7	-121.1	-80.0	0.00	0.00	0.00
3,900.0	9.35	198.99	3,869.6	-367.1	-126.4	-83.5	0.00	0.00	0.00
4,000.0	9.35	198.99	3,968.3	-382.5	-131.6	-87.0	0.00	0.00	0.00
4,100.0	9.35	198.99	4,067.0	-397.8	-136.9	-90.5	0.00	0.00	0.00
4,200.0	9.35	198.99	4,165.6	-413.2	-142.2	-94.0	0.00	0.00	0.00
4,300.0	9.35	198.99	4,264.3	-428.6	-147.5	-97.5	0.00	0.00	0.00
4,400.0	9.35	198.99	4,363.0	-443.9	-152.8	-101.0	0.00	0.00	0.00
4,500.0	9.35	198.99	4,461.7	-459.3	-158.1	-104.5	0.00	0.00	0.00
4,600.0	9.35	198.99	4,560.3	-474.7	-163.4	-108.0	0.00	0.00	0.00
4,700.0	9.35	198.99	4,659.0	-490.1	-168.7	-111.5	0.00	0.00	0.00
4,800.0	9.35	198.99	4,757.7	-505.4	-174.0	-115.0	0.00	0.00	0.00
4,900.0	9.35	198.99	4,856.3	-520.8	-179.2	-118.5	0.00	0.00	0.00

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Site:	SRC Vista Pad Sec.2-T4N-R68W	North Reference:	True
Well:	SRC Vista D-2N-A	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	9.35	198.99	4,955.0	-536.2	-184.5	-122.0	0.00	0.00	0.00
5,079.0	9.35	198.99	5,033.0	-548.3	-188.7	-124.8	0.00	0.00	0.00
Start Drop -2.00									
5,100.0	8.93	198.99	5,053.7	-551.4	-189.8	-125.5	2.00	-2.00	0.00
5,200.0	6.93	198.99	5,152.7	-564.5	-194.3	-128.5	2.00	-2.00	0.00
5,300.0	4.93	198.99	5,252.2	-574.3	-197.6	-130.7	2.00	-2.00	0.00
5,400.0	2.93	198.99	5,351.9	-580.8	-199.9	-132.2	2.00	-2.00	0.00
5,500.0	0.93	198.99	5,451.9	-583.9	-201.0	-132.9	2.00	-2.00	0.00
5,546.6	0.00	0.00	5,498.5	-584.3	-201.1	-133.0	2.00	-2.00	0.00
5,600.0	0.00	0.00	5,551.9	-584.3	-201.1	-133.0	0.00	0.00	0.00
5,700.0	0.00	0.00	5,651.9	-584.3	-201.1	-133.0	0.00	0.00	0.00
5,800.0	0.00	0.00	5,751.9	-584.3	-201.1	-133.0	0.00	0.00	0.00
5,900.0	0.00	0.00	5,851.9	-584.3	-201.1	-133.0	0.00	0.00	0.00
6,000.0	0.00	0.00	5,951.9	-584.3	-201.1	-133.0	0.00	0.00	0.00
6,100.0	0.00	0.00	6,051.9	-584.3	-201.1	-133.0	0.00	0.00	0.00
6,200.0	0.00	0.00	6,151.9	-584.3	-201.1	-133.0	0.00	0.00	0.00
6,231.9	0.00	0.00	6,183.8	-584.3	-201.1	-133.0	0.00	0.00	0.00
KOP #2 - Start Build 8.00									
6,300.0	5.45	89.33	6,251.8	-584.3	-197.9	-129.8	8.00	8.00	0.00
6,400.0	13.45	89.33	6,350.3	-584.1	-181.5	-113.5	8.00	8.00	0.00
6,500.0	21.45	89.33	6,445.7	-583.7	-151.5	-83.8	8.00	8.00	0.00
6,600.0	29.45	89.33	6,535.9	-583.2	-108.6	-41.2	8.00	8.00	0.00
6,700.0	37.45	89.33	6,619.3	-582.6	-53.5	13.4	8.00	8.00	0.00
6,800.0	45.45	89.33	6,694.2	-581.8	12.6	79.1	8.00	8.00	0.00
6,900.0	53.45	89.33	6,759.1	-580.9	88.5	154.4	8.00	8.00	0.00
7,000.0	61.45	89.33	6,812.9	-579.9	172.7	237.9	8.00	8.00	0.00
7,100.0	69.45	89.33	6,854.4	-578.9	263.6	328.1	8.00	8.00	0.00
7,200.0	77.45	89.33	6,882.9	-577.7	359.4	423.1	8.00	8.00	0.00
7,300.0	85.45	89.33	6,897.7	-576.6	458.2	521.1	8.00	8.00	0.00
7,356.9	90.00	89.33	6,900.0	-575.9	515.0	577.5	8.00	8.00	0.00
Start 4074.1 hold at 7356.9 MD - 7"									
7,400.0	90.00	89.33	6,900.0	-575.4	558.1	620.3	0.00	0.00	0.00
7,500.0	90.00	89.33	6,900.0	-574.2	658.1	719.5	0.00	0.00	0.00
7,600.0	90.00	89.33	6,900.0	-573.1	758.1	818.7	0.00	0.00	0.00
7,700.0	90.00	89.33	6,900.0	-571.9	858.1	917.9	0.00	0.00	0.00
7,800.0	90.00	89.33	6,900.0	-570.7	958.1	1,017.1	0.00	0.00	0.00
7,900.0	90.00	89.33	6,900.0	-569.5	1,058.1	1,116.3	0.00	0.00	0.00
8,000.0	90.00	89.33	6,900.0	-568.4	1,158.1	1,215.5	0.00	0.00	0.00
8,100.0	90.00	89.33	6,900.0	-567.2	1,258.1	1,314.7	0.00	0.00	0.00
8,200.0	90.00	89.33	6,900.0	-566.0	1,358.1	1,413.9	0.00	0.00	0.00
8,300.0	90.00	89.33	6,900.0	-564.9	1,458.1	1,513.1	0.00	0.00	0.00
8,400.0	90.00	89.33	6,900.0	-563.7	1,558.1	1,612.3	0.00	0.00	0.00
8,500.0	90.00	89.33	6,900.0	-562.5	1,658.0	1,711.5	0.00	0.00	0.00
8,600.0	90.00	89.33	6,900.0	-561.3	1,758.0	1,810.7	0.00	0.00	0.00
8,700.0	90.00	89.33	6,900.0	-560.2	1,858.0	1,909.9	0.00	0.00	0.00
8,800.0	90.00	89.33	6,900.0	-559.0	1,958.0	2,009.1	0.00	0.00	0.00
8,900.0	90.00	89.33	6,900.0	-557.8	2,058.0	2,108.3	0.00	0.00	0.00
9,000.0	90.00	89.33	6,900.0	-556.7	2,158.0	2,207.5	0.00	0.00	0.00
9,100.0	90.00	89.33	6,900.0	-555.5	2,258.0	2,306.7	0.00	0.00	0.00
9,200.0	90.00	89.33	6,900.0	-554.3	2,358.0	2,405.9	0.00	0.00	0.00
9,300.0	90.00	89.33	6,900.0	-553.1	2,458.0	2,505.1	0.00	0.00	0.00
9,400.0	90.00	89.33	6,900.0	-552.0	2,558.0	2,604.3	0.00	0.00	0.00
9,500.0	90.00	89.33	6,900.0	-550.8	2,658.0	2,703.5	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 D-2N-A	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	6,900.0	-549.6	2,758.0	2,802.7	0.00	0.00	0.00	
9,700.0	90.00	89.33	6,900.0	-548.5	2,858.0	2,901.9	0.00	0.00	0.00	
9,800.0	90.00	89.33	6,900.0	-547.3	2,958.0	3,001.1	0.00	0.00	0.00	
9,900.0	90.00	89.33	6,900.0	-546.1	3,058.0	3,100.3	0.00	0.00	0.00	
10,000.0	90.00	89.33	6,900.0	-544.9	3,157.9	3,199.5	0.00	0.00	0.00	
10,100.0	90.00	89.33	6,900.0	-543.8	3,257.9	3,298.7	0.00	0.00	0.00	
10,200.0	90.00	89.33	6,900.0	-542.6	3,357.9	3,397.9	0.00	0.00	0.00	
10,300.0	90.00	89.33	6,900.0	-541.4	3,457.9	3,497.2	0.00	0.00	0.00	
10,400.0	90.00	89.33	6,900.0	-540.3	3,557.9	3,596.4	0.00	0.00	0.00	
10,500.0	90.00	89.33	6,900.0	-539.1	3,657.9	3,695.6	0.00	0.00	0.00	
10,600.0	90.00	89.33	6,900.0	-537.9	3,757.9	3,794.8	0.00	0.00	0.00	
10,700.0	90.00	89.33	6,900.0	-536.7	3,857.9	3,894.0	0.00	0.00	0.00	
10,800.0	90.00	89.33	6,900.0	-535.6	3,957.9	3,993.2	0.00	0.00	0.00	
10,900.0	90.00	89.33	6,900.0	-534.4	4,057.9	4,092.4	0.00	0.00	0.00	
11,000.0	90.00	89.33	6,900.0	-533.2	4,157.9	4,191.6	0.00	0.00	0.00	
11,100.0	90.00	89.33	6,900.0	-532.1	4,257.9	4,290.8	0.00	0.00	0.00	
11,200.0	90.00	89.33	6,900.0	-530.9	4,357.9	4,390.0	0.00	0.00	0.00	
11,300.0	90.00	89.33	6,900.0	-529.7	4,457.9	4,489.2	0.00	0.00	0.00	
11,400.0	90.00	89.33	6,900.0	-528.5	4,557.8	4,588.4	0.00	0.00	0.00	
11,431.0	90.00	89.33	6,900.0	-528.2	4,588.8	4,619.1	0.00	0.00	0.00	
TD at 11431.0 - BHL 1575'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 2143'FSL & 254'FW	0.00	0.00	1.0	0.0	0.0	1,367,636.97	3,145,254.98	40.341393	-104.978905	
- plan hits target center										
- Point										
BHL 1575'FSL & 460'FE	0.00	0.00	6,900.0	-528.2	4,588.8	1,367,135.78	3,149,846.63	40.339942	-104.962444	
- plan hits target center										
- Point										

Casing Points					
Measured Depth (ft)	Vertical Depth (ft)	Name	Casing Diameter (")	Hole Diameter (")	
7,356.9	6,900.0	7"	7	7-1/2	

Plan Annotations					
Measured Depth (ft)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Comment	
1,200.0	1,200.0	0.0	0.0	KOP - Start Build 1.50	
5,079.0	5,033.0	-548.3	-188.7	Start Drop -2.00	
6,231.9	6,183.8	-584.3	-201.1	KOP #2 - Start Build 8.00	
7,356.9	6,900.0	-575.9	515.0	Start 4074.1 hold at 7356.9 MD	
11,431.0	6,900.0	-528.2	4,588.8	TD at 11431.0	



Directional

Synergy Resources

SEC.2-T4N-R68W

SRC Vista Pad Sec.2-T4N-R68W

SRC Vista D-2N-A

Wellbore #1

Plan #2 (9-21-15)

Anticollision Report

21 September, 2015



Company:	Synergy Resources	Local Co-ordinate Reference:	Well SRC Vista D-2N-A
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 D-2N-A	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)	Tool Name	Description
0.0	11,430.3	Plan #2 (9-21-15) (Wellbore #1)	MWD	MWD - Standard

Summary						
Site Name	Reference Measured Depth (ft)	Offset Measured Depth (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Separation Factor	Warning
Offset Well - Wellbore - Design						
Pratt 14-2D Pad Sec.2-T4N-R68W						
Pratt 13-2D - Wellbore #1 - Wellbore #1	7,177.4	6,902.5	472.2	434.7	12.590	CC, ES
Pratt 13-2D - Wellbore #1 - Wellbore #1	7,300.0	6,909.3	487.1	447.6	12.314	SF
Pratt 14-2D - Wellbore #1 - Wellbore #1	7,342.3	6,875.1	773.0	733.9	19.773	CC
Pratt 14-2D - Wellbore #1 - Wellbore #1	7,356.9	6,873.5	773.1	733.7	19.642	ES
Pratt 14-2D - Wellbore #1 - Wellbore #1	7,700.0	6,831.2	849.8	803.3	18.268	SF
Pratt 23-2D - Wellbore #1 - Wellbore #1	8,574.4	6,935.1	504.7	434.0	7.140	CC
Pratt 23-2D - Wellbore #1 - Wellbore #1	8,600.0	6,936.8	505.4	434.0	7.079	ES
Pratt 23-2D - Wellbore #1 - Wellbore #1	8,700.0	6,943.4	520.1	445.9	7.015	SF
Pratt 24-2D - Wellbore #1 - Wellbore #1	8,457.7	6,876.1	768.6	702.3	11.594	CC, ES
Pratt 24-2D - Wellbore #1 - Wellbore #1	8,700.0	6,896.6	805.6	732.7	11.048	SF
Pratt 2B (Vert.) - Wellbore #1 - Wellbore #1	7,796.5	6,904.4	28.2	-18.0	0.610	Level 1, CC, ES, SF
Pratt 2KD - Wellbore #1 - Wellbore #1	7,846.5	6,848.0	892.7	844.6	18.595	CC, ES
Pratt 2KD - Wellbore #1 - Wellbore #1	8,200.0	6,844.9	960.1	903.2	16.866	SF
SRC Vista Pad Sec.2-T4N-R68W						
SRC Vista 43-2C - Wellbore #1 - Plan #2 (9-21-15)	1,200.0	1,200.0	40.1	34.9	7.752	CC, ES
SRC Vista 43-2C - Wellbore #1 - Plan #2 (9-21-15)	11,431.0	11,709.7	662.1	430.8	2.863	SF
SRC Vista 43-2N-A - Wellbore #1 - Plan #2 (9-21-15)	1,200.0	1,200.0	59.8	54.6	11.558	CC, ES
SRC Vista 43-2N-A - Wellbore #1 - Plan #2 (9-21-15)	11,431.0	11,283.6	599.6	341.5	2.323	SF
SRC Vista 43-2N-C - Wellbore #1 - Plan #2 (9-21-15)	1,200.0	1,200.0	20.0	14.9	3.876	CC, ES
SRC Vista 43-2N-C - Wellbore #1 - Plan #2 (9-21-15)	11,431.0	11,400.9	296.9	36.2	1.139	Level 2, SF
SRC Vista 44-2C - Wellbore #1 - Plan #2 (9-21-15)	400.0	400.0	80.2	78.6	50.943	CC, ES
SRC Vista 44-2C - Wellbore #1 - Plan #2 (9-21-15)	11,431.0	11,867.6	880.3	637.2	3.622	SF
SRC Vista 44-2N-A - Wellbore #1 - Plan #2 (9-21-15)	600.0	600.0	60.1	57.6	24.316	CC, ES
SRC Vista 44-2N-A - Wellbore #1 - Plan #2 (9-21-15)	11,431.0	11,520.7	600.0	339.3	2.302	SF
SRC Vista 44-2N-C - Wellbore #1 - Plan #2 (9-21-15)	200.0	200.0	100.2	99.5	148.571	CC, ES
SRC Vista 44-2N-C - Wellbore #1 - Plan #2 (9-21-15)	5,546.6	5,458.3	997.7	951.7	21.709	SF
SRC Vista D-2C - Wellbore #1 - Plan #2 (9-21-15)	1,000.0	1,000.0	20.0	15.8	4.692	CC, ES
SRC Vista D-2C - Wellbore #1 - Plan #2 (9-21-15)	11,431.0	11,762.8	341.8	231.0	3.084	SF
SRC Vista D-2N-C - Wellbore #1 - Plan #2 (9-21-15)	800.0	800.0	40.1	36.7	11.884	CC, ES
SRC Vista D-2N-C - Wellbore #1 - Plan #2 (9-21-15)	11,431.0	11,466.9	303.1	42.4	1.163	Level 2, SF
SRC Vista S-2N-C - Wellbore #1 - Plan #2 (9-21-15)	1,200.0	1,200.0	79.8	74.6	15.432	CC, ES
SRC Vista S-2N-C - Wellbore #1 - Plan #2 (9-21-15)	11,431.0	11,394.4	896.5	635.7	3.437	SF

Company:	Synergy Resources	Local Co-ordinate Reference:	Well SRC Vista D-2N-A
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 D-2N-A	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													Pratt 14-2D Pad Sec.2-T4N-R68W - Pratt 13-2D - Wellbore #1 - Wellbore #1		Offset Site Error: 0.0 ft	
Survey Program: 48-MWD													Offset Well Error: 0.0 ft			
Reference		Offset		Semi Major Axis			Distance							Warning		
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor				
1,600.0	1,599.3	1,741.7	1,730.2	3.3	4.9	-83.96	-450.0	881.5	995.2	987.9	7.23	137.668				
1,700.0	1,698.6	1,837.5	1,825.2	3.6	5.1	-84.84	-444.6	870.8	981.4	973.7	7.67	128.037				
1,800.0	1,797.5	1,937.9	1,924.9	3.8	5.4	-85.99	-438.0	859.7	967.4	959.2	8.14	118.833				
1,823.5	1,820.8	1,959.0	1,945.8	3.9	5.5	-86.27	-436.6	857.4	964.1	955.8	8.25	116.831				
1,900.0	1,896.2	2,027.5	2,013.8	4.1	5.7	-87.01	-432.2	850.1	953.8	945.2	8.62	110.633				
2,000.0	1,994.9	2,127.1	2,112.6	4.4	6.0	-88.12	-425.9	839.9	941.1	931.9	9.15	102.874				
2,100.0	2,093.6	2,227.5	2,212.2	4.7	6.3	-89.29	-418.9	829.3	928.2	918.5	9.70	95.722				
2,200.0	2,192.2	2,325.5	2,309.4	5.0	6.6	-90.47	-412.1	818.9	915.6	905.3	10.26	89.256				
2,300.0	2,290.9	2,425.9	2,408.9	5.3	6.9	-91.70	-405.2	808.0	903.2	892.4	10.84	83.325				
2,400.0	2,389.6	2,517.4	2,499.8	5.6	7.2	-92.83	-399.1	798.0	891.3	879.9	11.40	78.163				
2,500.0	2,488.2	2,612.6	2,594.2	6.0	7.5	-94.02	-393.4	788.2	880.4	868.5	11.98	73.475				
2,600.0	2,586.9	2,711.5	2,692.3	6.3	7.8	-95.32	-386.6	778.0	869.9	857.3	12.58	69.148				
2,700.0	2,685.6	2,805.4	2,785.6	6.7	8.1	-96.60	-380.2	768.5	860.0	846.8	13.17	65.275				
2,800.0	2,784.3	2,902.7	2,882.2	7.0	8.3	-97.94	-373.7	758.9	850.8	837.0	13.78	61.723				
2,900.0	2,882.9	3,007.9	2,986.6	7.4	8.7	-99.46	-366.1	748.3	841.8	827.4	14.43	58.352				
3,000.0	2,981.6	3,111.7	3,089.4	7.7	9.0	-101.01	-358.0	736.5	832.0	816.9	15.08	55.188				
3,100.0	3,080.3	3,200.0	3,176.8	8.1	9.3	-102.35	-351.4	726.9	823.2	807.6	15.68	52.491				
3,200.0	3,178.9	3,296.9	3,273.0	8.4	9.6	-103.82	-344.5	716.8	815.6	799.3	16.31	49.994				
3,300.0	3,277.6	3,394.7	3,370.0	8.8	9.9	-105.35	-337.2	706.6	808.6	791.6	16.96	47.688				
3,400.0	3,376.3	3,492.4	3,466.9	9.2	10.2	-106.95	-329.5	696.5	802.1	784.5	17.60	45.565				
3,500.0	3,474.9	3,590.6	3,564.3	9.5	10.5	-108.56	-321.8	686.1	796.1	777.9	18.25	43.614				
3,600.0	3,573.6	3,688.6	3,661.4	9.9	10.8	-110.17	-314.5	675.7	790.7	771.8	18.90	41.837				
3,700.0	3,672.3	3,783.1	3,755.1	10.3	11.1	-111.71	-307.8	665.7	786.0	766.5	19.53	40.245				
3,800.0	3,771.0	3,875.8	3,847.2	10.7	11.3	-113.21	-301.6	656.4	782.5	762.3	20.15	38.827				
3,900.0	3,869.6	3,968.2	3,938.9	11.0	11.6	-114.75	-294.9	647.7	780.2	759.4	20.77	37.559				
4,000.0	3,968.3	4,070.5	4,040.4	11.4	11.9	-116.51	-286.8	638.0	778.6	757.2	21.43	36.339				
4,100.0	4,067.0	4,170.7	4,139.8	11.8	12.2	-118.25	-278.9	627.9	777.2	755.1	22.08	35.205				
4,200.0	4,165.6	4,267.0	4,235.3	12.2	12.5	-119.90	-271.7	618.1	776.2	753.5	22.70	34.189				
4,231.1	4,196.3	4,295.5	4,263.6	12.3	12.6	-120.38	-269.6	615.3	776.2	753.3	22.89	33.906				
4,300.0	4,264.3	4,358.9	4,326.5	12.5	12.8	-121.43	-265.4	609.3	776.5	753.2	23.31	33.315				
4,400.0	4,363.0	4,460.1	4,427.1	12.9	13.1	-123.05	-259.1	600.0	777.5	753.6	23.92	32.502				
4,500.0	4,461.7	4,564.4	4,530.7	13.3	13.4	-124.73	-252.7	589.6	778.5	754.0	24.55	31.715				
4,600.0	4,560.3	4,662.9	4,628.4	13.7	13.7	-126.43	-245.3	578.7	779.4	754.3	25.16	30.980				
4,700.0	4,659.0	4,755.6	4,720.3	14.0	14.0	-128.04	-238.0	568.8	781.5	755.7	25.75	30.348				
4,800.0	4,757.7	4,857.3	4,821.1	14.4	14.3	-129.72	-230.9	558.2	784.2	757.9	26.35	29.760				
4,900.0	4,856.3	4,958.1	4,921.2	14.8	14.6	-131.33	-224.7	547.4	787.1	760.1	26.94	29.212				
5,000.0	4,955.0	5,054.8	5,017.0	15.2	14.9	-132.92	-218.0	536.6	790.3	762.8	27.52	28.721				
5,079.0	5,032.9	5,129.0	5,090.6	15.5	15.1	-134.10	-213.3	528.6	793.6	765.6	27.96	28.382				
5,100.0	5,053.7	5,149.0	5,110.5	15.5	15.2	-134.42	-212.1	526.6	794.5	766.4	28.08	28.297				
5,200.0	5,152.7	5,244.7	5,205.5	15.8	15.5	-135.84	-205.9	516.7	797.8	769.3	28.57	27.921				
5,300.0	5,252.2	5,336.5	5,296.7	16.0	15.7	-137.00	-200.0	507.8	799.6	770.6	29.03	27.548				
5,400.0	5,351.9	5,445.4	5,405.0	16.2	16.1	-138.08	-193.7	498.1	799.6	770.2	29.49	27.115				
5,500.0	5,451.9	5,561.5	5,520.2	16.4	16.4	-139.03	-188.1	484.8	794.5	764.5	29.94	26.534				
5,546.6	5,498.5	5,607.5	5,565.8	16.5	16.5	-139.66	-186.1	479.4	791.0	762.8	28.20	28.054				
5,600.0	5,551.9	5,659.5	5,617.4	16.5	16.7	-139.31	-184.0	473.3	786.7	758.3	28.42	27.683				
5,700.0	5,651.9	5,753.8	5,710.9	16.7	17.0	-138.60	-179.4	462.3	779.2	750.4	28.82	27.041				
5,800.0	5,751.9	5,848.0	5,804.4	16.8	17.3	-137.86	-174.1	451.6	772.5	743.3	29.21	26.448				
5,900.0	5,851.9	5,946.7	5,902.5	16.9	17.6	-137.15	-169.4	441.6	766.4	736.8	29.61	25.885				
6,000.0	5,951.9	6,048.5	6,003.4	17.1	17.9	-136.31	-163.6	430.0	760.0	730.0	30.02	25.320				
6,100.0	6,051.9	6,141.4	6,095.6	17.2	18.1	-135.52	-158.0	419.8	754.2	723.8	30.40	24.807				
6,200.0	6,151.9	6,240.5	6,193.9	17.4	18.4	-134.68	-151.8	409.3	749.0	718.2	30.80	24.318				
6,231.9	6,183.8	6,272.5	6,225.6	17.4	18.5	-134.39	-149.6	405.7	747.4	716.5	30.93	24.165				

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 D-2N-A
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 D-2N-A	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: 48-MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
6,250.0	6,201.9	6,287.0	6,240.0	17.4	18.6	-35.14	-148.6	404.1	746.3	713.2	33.06	22.572		
6,300.0	6,251.8	6,336.8	6,289.4	17.5	18.7	-35.97	-145.1	398.5	741.4	708.3	33.13	22.382		
6,350.0	6,301.3	6,382.8	6,334.9	17.6	18.9	-37.04	-141.8	393.6	734.0	701.0	33.09	22.182		
6,400.0	6,350.3	6,428.3	6,380.1	17.6	19.0	-38.40	-138.5	388.9	724.2	691.3	32.98	21.960		
6,450.0	6,398.5	6,473.6	6,425.1	17.6	19.2	-40.10	-135.3	384.3	712.1	679.3	32.81	21.703		
6,500.0	6,445.7	6,517.7	6,468.8	17.7	19.3	-42.13	-132.1	380.0	697.7	665.1	32.60	21.400		
6,550.0	6,491.5	6,562.3	6,513.2	17.7	19.4	-44.59	-128.9	375.6	681.4	649.0	32.40	21.027		
6,600.0	6,535.9	6,608.2	6,558.7	17.7	19.6	-47.58	-125.8	371.0	663.0	630.8	32.25	20.557		
6,650.0	6,578.5	6,651.5	6,601.7	17.7	19.7	-50.99	-123.0	366.5	643.0	610.8	32.19	19.978		
6,700.0	6,619.3	6,689.8	6,639.6	17.7	19.8	-54.64	-120.7	362.4	621.7	589.5	32.22	19.297		
6,750.0	6,657.9	6,723.2	6,672.8	17.8	19.9	-58.46	-118.7	358.8	599.8	567.5	32.37	18.529		
6,800.0	6,694.2	6,754.1	6,703.5	17.8	20.0	-62.48	-116.7	355.5	577.9	545.2	32.67	17.688		
6,850.0	6,728.0	6,782.6	6,731.7	17.8	20.1	-66.60	-114.8	352.5	556.4	523.3	33.10	16.809		
6,900.0	6,759.1	6,809.0	6,758.0	17.9	20.2	-70.72	-113.0	349.7	535.9	502.3	33.64	15.932		
6,950.0	6,787.5	6,833.6	6,782.4	17.9	20.2	-74.75	-111.3	347.1	517.1	482.9	34.26	15.096		
7,000.0	6,812.9	6,854.9	6,803.5	18.0	20.3	-78.39	-109.9	344.8	500.7	465.8	34.91	14.342		
7,050.0	6,835.2	6,872.8	6,821.3	18.2	20.4	-81.48	-108.7	342.9	487.5	451.9	35.60	13.694		
7,100.0	6,854.4	6,887.2	6,835.5	18.6	20.4	-83.91	-107.7	341.3	478.0	441.7	36.31	13.165		
7,150.0	6,870.3	6,898.1	6,846.3	19.0	20.4	-85.60	-107.0	340.1	473.0	435.9	37.07	12.761		
7,177.4	6,877.6	6,902.5	6,850.7	19.4	20.5	-86.19	-106.7	339.6	472.2	434.7	37.51	12.590 CC, ES		
7,200.0	6,882.9	6,905.4	6,853.5	19.7	20.5	-86.49	-106.6	339.3	472.8	434.9	37.87	12.484		
7,250.0	6,892.0	6,909.1	6,857.2	20.5	20.5	-86.56	-106.3	338.9	477.5	438.8	38.71	12.335		
7,300.0	6,897.7	6,909.3	6,857.4	21.3	20.5	-85.80	-106.3	338.9	487.1	447.6	39.56	12.314 SF		
7,350.0	6,900.0	6,906.0	6,854.1	22.3	20.5	-84.21	-106.5	339.3	501.4	461.0	40.36	12.422		
7,356.9	6,900.0	6,905.2	6,853.4	22.4	20.5	-83.93	-106.6	339.3	503.7	463.2	40.46	12.447		
7,400.0	6,900.0	6,904.4	6,848.7	23.2	20.5	-83.36	-106.9	339.9	519.8	478.5	41.26	12.596		
7,500.0	6,900.0	6,889.5	6,837.8	25.3	20.4	-82.04	-107.6	341.1	568.0	524.8	43.21	13.144		
7,600.0	6,900.0	6,878.6	6,827.0	27.5	20.4	-80.75	-108.3	342.3	628.3	583.1	45.26	13.884		
7,700.0	6,900.0	6,867.9	6,816.3	29.8	20.4	-79.47	-109.0	343.4	697.7	650.3	47.36	14.730		
7,800.0	6,900.0	6,857.3	6,805.8	32.2	20.3	-78.21	-109.7	344.6	773.6	724.1	49.51	15.625		
7,900.0	6,900.0	6,846.8	6,795.4	34.7	20.3	-76.98	-110.4	345.7	854.4	802.7	51.68	16.532		
8,000.0	6,900.0	6,836.4	6,785.1	37.2	20.3	-75.77	-111.1	346.8	938.8	884.9	53.86	17.430		

Company:	Synergy Resources	Local Co-ordinate Reference:	Well SRC Vista D-2N-A
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 D-2N-A	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													Pratt 14-2D Pad Sec.2-T4N-R68W - Pratt 14-2D - Wellbore #1 - Wellbore #1		Offset Site Error:		0.0 ft
Survey Program: 108-MWD													Offset Well Error:		0.0 ft		
Reference		Offset		Semi Major Axis			Distance							Warning			
Measured Depth	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset	Highside Toolface	Offset Wellbore Centre		Between Centres	Between Ellipses	Minimum Separation	Separation Factor					
(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(°)	+N/-S (ft)	+E/-W (ft)	(ft)	(ft)	(ft)						
6,500.0	6,445.7	6,492.5	6,422.6	17.7	20.1	47.19	-1,287.3	554.4	997.0	961.4	35.61	27.998					
6,550.0	6,491.5	6,536.1	6,465.5	17.7	20.3	49.16	-1,293.7	549.7	984.6	949.4	35.22	27.956					
6,600.0	6,535.9	6,579.9	6,508.6	17.7	20.5	51.44	-1,300.0	544.9	970.5	935.7	34.80	27.892					
6,650.0	6,578.5	6,621.8	6,549.8	17.7	20.6	53.99	-1,306.0	540.3	954.9	920.5	34.37	27.783					
6,700.0	6,619.3	6,661.2	6,588.6	17.7	20.8	56.75	-1,311.5	535.8	938.1	904.1	33.98	27.606					
6,750.0	6,657.9	6,695.5	6,622.3	17.8	20.9	59.56	-1,316.3	531.9	920.4	886.7	33.66	27.341					
6,800.0	6,694.2	6,726.1	6,652.4	17.8	21.0	62.44	-1,320.6	528.4	902.2	868.8	33.45	26.971					
6,850.0	6,728.0	6,754.2	6,680.0	17.8	21.1	65.36	-1,324.6	525.2	884.0	850.7	33.38	26.486					
6,900.0	6,759.1	6,779.5	6,704.9	17.9	21.2	68.24	-1,328.2	522.3	866.1	832.6	33.45	25.892					
6,950.0	6,787.5	6,802.0	6,727.0	17.9	21.3	71.02	-1,331.5	519.7	848.8	815.1	33.67	25.207					
7,000.0	6,812.9	6,823.2	6,747.9	18.0	21.4	73.72	-1,334.5	517.3	832.4	798.4	34.04	24.453					
7,050.0	6,835.2	6,841.2	6,765.5	18.2	21.4	76.15	-1,337.0	515.3	817.5	782.9	34.54	23.669					
7,100.0	6,854.4	6,855.7	6,779.8	18.6	21.5	78.25	-1,339.1	513.7	804.2	769.0	35.14	22.885					
7,150.0	6,870.3	6,866.7	6,790.6	19.0	21.5	79.95	-1,340.6	512.5	792.9	757.1	35.83	22.129					
7,200.0	6,882.9	6,874.1	6,798.0	19.7	21.6	81.21	-1,341.6	511.7	784.0	747.4	36.60	21.419					
7,250.0	6,892.0	6,877.9	6,801.7	20.5	21.6	82.00	-1,342.1	511.2	777.6	740.2	37.44	20.772					
7,300.0	6,897.7	6,878.0	6,801.8	21.3	21.6	82.29	-1,342.1	511.2	774.0	735.6	38.32	20.197					
7,342.3	6,899.9	6,875.1	6,799.0	22.1	21.6	82.16	-1,341.7	511.5	773.0	733.9	39.09	19.773 CC					
7,350.0	6,900.0	6,874.3	6,798.2	22.3	21.6	82.10	-1,341.6	511.6	773.0	733.8	39.23	19.704					
7,356.9	6,900.0	6,873.5	6,797.4	22.4	21.6	82.03	-1,341.5	511.7	773.1	733.7	39.36	19.642 ES					
7,400.0	6,900.0	6,868.3	6,792.2	23.2	21.5	81.65	-1,340.8	512.3	775.0	734.8	40.19	19.283					
7,500.0	6,900.0	6,856.1	6,780.2	25.3	21.5	80.75	-1,339.1	513.7	788.3	746.1	42.21	18.676					
7,600.0	6,900.0	6,843.7	6,768.0	27.5	21.5	79.84	-1,337.4	515.0	813.6	769.3	44.33	18.354					
7,700.0	6,900.0	6,831.2	6,755.7	29.8	21.4	78.92	-1,335.6	516.4	849.8	803.3	46.52	18.268 SF					
7,800.0	6,900.0	6,818.5	6,743.2	32.2	21.4	77.99	-1,333.8	517.9	895.6	846.9	48.76	18.369					
7,900.0	6,900.0	6,805.7	6,730.6	34.7	21.3	77.05	-1,332.0	519.3	949.6	898.6	51.02	18.612					

Company:	Synergy Resources	Local Co-ordinate Reference:	Well SRC Vista D-2N-A
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 D-2N-A	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: 48-MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
7,800.0	6,900.0	6,885.9	6,830.6	32.2	20.5	-81.74	-59.8	1,723.4	923.0	873.0	50.02	18.454		
7,900.0	6,900.0	6,892.2	6,836.9	34.7	20.5	-82.45	-59.5	1,723.8	841.2	788.7	52.58	15.998		
8,000.0	6,900.0	6,898.5	6,843.2	37.2	20.5	-83.16	-59.2	1,724.2	763.8	708.6	55.20	13.837		
8,100.0	6,900.0	6,904.8	6,849.5	39.7	20.5	-83.87	-59.0	1,724.6	692.0	634.2	57.84	11.964		
8,200.0	6,900.0	6,911.1	6,855.8	42.3	20.5	-84.58	-58.7	1,725.0	628.0	567.5	60.52	10.377		
8,300.0	6,900.0	6,917.4	6,862.0	44.9	20.6	-85.29	-58.4	1,725.4	574.2	511.0	63.22	9.084		
8,400.0	6,900.0	6,923.7	6,868.3	47.5	20.6	-86.00	-58.1	1,725.8	533.9	468.0	65.93	8.098		
8,500.0	6,900.0	6,930.1	6,874.7	50.2	20.6	-86.73	-57.7	1,726.2	510.2	441.5	68.66	7.431		
8,574.4	6,900.0	6,935.1	6,879.7	52.1	20.6	-87.30	-57.5	1,726.5	504.7	434.0	70.70	7.140 CC		
8,600.0	6,900.0	6,936.8	6,881.4	52.8	20.6	-87.49	-57.4	1,726.6	505.4	434.0	71.40	7.079 ES		
8,700.0	6,900.0	6,943.4	6,887.9	55.5	20.6	-88.23	-57.1	1,727.0	520.1	445.9	74.14	7.015 SF		
8,800.0	6,900.0	6,949.7	6,894.2	58.2	20.6	-88.95	-56.8	1,727.4	552.7	475.8	76.88	7.189		
8,900.0	6,900.0	6,955.8	6,900.3	60.9	20.6	-89.64	-56.5	1,727.8	600.3	520.7	79.62	7.540		
9,000.0	6,900.0	6,961.8	6,906.3	63.6	20.7	-90.32	-56.3	1,728.2	659.7	577.3	82.35	8.010		
9,100.0	6,900.0	6,967.6	6,912.1	66.3	20.7	-90.97	-56.0	1,728.5	728.0	642.9	85.08	8.556		
9,200.0	6,900.0	6,973.2	6,917.7	69.0	20.7	-91.60	-55.8	1,728.8	802.9	715.1	87.81	9.143		
9,300.0	6,900.0	6,978.6	6,923.1	71.7	20.7	-92.22	-55.5	1,729.1	882.7	792.2	90.54	9.750		
9,400.0	6,900.0	6,984.0	6,928.4	74.5	20.7	-92.82	-55.3	1,729.4	966.3	873.1	93.25	10.363		

Company:	Synergy Resources	Local Co-ordinate Reference:	Well SRC Vista D-2N-A
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 D-2N-A	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 Pratt 14-2D Pad Sec.2-T4N-R68W - Pratt 24-2D - Wellbore #1 - Wellbore #1												Offset Site Error:	0.0 ft
Survey Program: 250-MWD												Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Distance		Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)		Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)					
7,900.0	6,900.0	6,827.2	6,751.4	34.7	21.6	78.69	-1,318.1	1,620.6	948.4	896.9	51.50	18.414	
8,000.0	6,900.0	6,836.1	6,760.2	37.2	21.6	79.35	-1,319.3	1,621.3	893.7	839.6	54.08	16.526	
8,100.0	6,900.0	6,844.9	6,769.0	39.7	21.7	80.00	-1,320.5	1,622.1	847.2	790.5	56.70	14.943	
8,200.0	6,900.0	6,853.7	6,777.7	42.3	21.7	80.66	-1,321.6	1,622.8	810.3	751.0	59.34	13.654	
8,300.0	6,900.0	6,862.5	6,786.3	44.9	21.7	81.30	-1,322.8	1,623.6	784.5	722.4	62.02	12.648	
8,400.0	6,900.0	6,871.1	6,794.8	47.5	21.8	81.95	-1,323.9	1,624.3	770.7	706.0	64.72	11.908	
8,457.7	6,900.0	6,876.1	6,799.7	49.0	21.8	82.31	-1,324.6	1,624.7	768.6	702.3	66.29	11.594 CC, ES	
8,500.0	6,900.0	6,879.7	6,803.3	50.2	21.8	82.58	-1,325.1	1,625.0	769.7	702.3	67.44	11.413	
8,600.0	6,900.0	6,888.2	6,811.7	52.8	21.8	83.21	-1,326.2	1,625.7	781.5	711.3	70.17	11.138	
8,700.0	6,900.0	6,896.6	6,820.0	55.5	21.9	83.84	-1,327.3	1,626.4	805.6	732.7	72.91	11.048 SF	
8,800.0	6,900.0	6,905.0	6,828.3	58.2	21.9	84.46	-1,328.4	1,627.1	840.8	765.2	75.67	11.113	
8,900.0	6,900.0	6,913.3	6,836.5	60.9	21.9	85.08	-1,329.5	1,627.8	886.0	807.5	78.43	11.297	
9,000.0	6,900.0	6,921.5	6,844.6	63.6	21.9	85.69	-1,330.6	1,628.5	939.5	858.3	81.19	11.572	

Company:	Synergy Resources	Local Co-ordinate Reference:	Well SRC Vista D-2N-A
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 D-2N-A	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: 48-MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
6,750.0	6,657.9	6,666.9	6,665.8	17.8	14.1	2.12	-597.8	956.1	978.0	953.2	24.74	39.529		
6,800.0	6,694.2	6,703.1	6,702.0	17.8	14.1	2.37	-598.0	955.9	943.4	919.8	23.62	39.950		
6,850.0	6,728.0	6,736.8	6,735.7	17.8	14.2	2.68	-598.1	955.7	906.5	884.0	22.43	40.419		
6,900.0	6,759.1	6,767.8	6,766.7	17.9	14.3	3.07	-598.3	955.6	867.2	846.0	21.19	40.919		
6,950.0	6,787.5	6,796.0	6,794.9	17.9	14.3	3.59	-598.4	955.4	825.9	806.0	19.95	41.411		
7,000.0	6,812.9	6,821.2	6,820.2	18.0	14.4	4.29	-598.6	955.3	782.8	764.1	18.72	41.819		
7,050.0	6,835.2	6,843.4	6,842.3	18.2	14.4	5.26	-598.7	955.2	738.0	720.4	17.57	41.995		
7,100.0	6,854.4	6,862.3	6,861.3	18.6	14.5	6.67	-598.8	955.1	691.8	675.2	16.61	41.650		
7,150.0	6,870.3	6,878.0	6,877.0	19.0	14.5	8.85	-598.8	955.0	644.4	628.3	16.02	40.232		
7,200.0	6,882.9	6,890.3	6,889.3	19.7	14.5	12.54	-598.9	955.0	596.0	579.8	16.21	36.776		
7,250.0	6,892.0	6,899.2	6,898.2	20.5	14.6	19.73	-598.9	954.9	546.8	528.6	18.21	30.029		
7,300.0	6,897.7	6,904.7	6,903.7	21.3	14.6	37.32	-599.0	954.9	497.2	472.2	25.02	19.874		
7,350.0	6,900.0	6,906.7	6,905.6	22.3	14.6	85.64	-599.0	954.9	447.4	411.1	36.22	12.352		
7,356.9	6,900.0	6,906.7	6,905.6	22.4	14.6	94.31	-599.0	954.9	440.4	404.4	36.09	12.203		
7,400.0	6,900.0	6,906.4	6,905.4	23.2	14.6	93.87	-599.0	954.9	397.5	360.5	36.99	10.745		
7,500.0	6,900.0	6,905.9	6,904.9	25.3	14.6	92.82	-599.0	954.9	297.8	258.6	39.18	7.601		
7,600.0	6,900.0	6,905.4	6,904.4	27.5	14.6	91.78	-599.0	954.9	198.5	157.0	41.49	4.784		
7,700.0	6,900.0	6,904.9	6,903.9	29.8	14.6	90.74	-599.0	954.9	100.5	56.6	43.88	2.291		
7,796.5	6,900.0	6,904.4	6,903.4	32.1	14.6	89.73	-599.0	954.9	28.2	-18.0	46.24	0.610 Level 1, CC, ES, SF		
7,800.0	6,900.0	6,904.4	6,903.3	32.2	14.6	89.69	-599.0	954.9	28.4	-17.9	46.33	0.614 Level 1		
7,900.0	6,900.0	6,903.9	6,902.8	34.7	14.6	88.65	-599.0	954.9	107.3	58.5	48.82	2.198		
8,000.0	6,900.0	6,903.4	6,902.3	37.2	14.6	87.61	-599.0	954.9	205.5	154.1	51.35	4.002		
8,100.0	6,900.0	6,902.8	6,901.8	39.7	14.6	86.57	-599.0	954.9	304.8	250.9	53.89	5.657		
8,200.0	6,900.0	6,902.3	6,901.3	42.3	14.6	85.53	-599.0	954.9	404.5	348.1	56.44	7.167		
8,300.0	6,900.0	6,901.8	6,900.8	44.9	14.6	84.49	-599.0	954.9	504.3	445.3	59.00	8.548		
8,400.0	6,900.0	6,901.3	6,900.3	47.5	14.6	83.46	-599.0	954.9	604.2	542.6	61.55	9.817		
8,500.0	6,900.0	6,900.8	6,899.8	50.2	14.6	82.43	-598.9	954.9	704.1	640.0	64.09	10.987		
8,600.0	6,900.0	6,900.3	6,899.2	52.8	14.6	81.41	-598.9	954.9	804.0	737.4	66.61	12.070		
8,700.0	6,900.0	6,899.8	6,898.7	55.5	14.6	80.40	-598.9	954.9	904.0	834.8	69.12	13.079		

Company:	Synergy Resources	Local Co-ordinate Reference:	Well SRC Vista D-2N-A
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 D-2N-A	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
Pratt 14-2D Pad Sec.2-T4N-R68W - Pratt 2KD - Wellbore #1 - Wellbore #1												Offset Well Error:	0.0 ft
Survey Program: 48-MWD													
Reference		Offset		Semi Major Axis			Distance						
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
7,400.0	6,900.0	6,851.6	6,785.8	23.2	21.0	-82.55	314.9	994.2	998.1	960.3	37.80	26.405	
7,500.0	6,900.0	6,850.8	6,785.0	25.3	21.0	-82.50	314.8	994.2	957.6	917.6	39.91	23.994	
7,600.0	6,900.0	6,850.0	6,784.3	27.5	20.9	-82.45	314.7	994.2	926.1	883.9	42.14	21.977	
7,700.0	6,900.0	6,849.2	6,783.5	29.8	20.9	-82.40	314.6	994.2	904.6	860.1	44.46	20.344	
7,800.0	6,900.0	6,848.4	6,782.6	32.2	20.9	-82.35	314.5	994.3	893.9	847.0	46.86	19.074	
7,846.5	6,900.0	6,848.0	6,782.3	33.4	20.9	-82.32	314.4	994.3	892.7	844.6	48.01	18.595 CC, ES	
7,900.0	6,900.0	6,847.5	6,781.8	34.7	20.9	-82.29	314.4	994.3	894.2	844.9	49.32	18.132	
8,000.0	6,900.0	6,846.7	6,781.0	37.2	20.9	-82.24	314.2	994.3	905.7	853.9	51.82	17.479	
8,100.0	6,900.0	6,845.8	6,780.1	39.7	20.9	-82.18	314.1	994.3	927.9	873.6	54.36	17.071	
8,200.0	6,900.0	6,844.9	6,779.2	42.3	20.9	-82.13	314.0	994.3	960.1	903.2	56.92	16.866 SF	

Company:	Synergy Resources	Local Co-ordinate Reference:	Well SRC Vista D-2N-A
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 D-2N-A	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	40.1	0.0	40.1					
100.0	100.0	100.0	100.0	0.1	0.1	0.00	40.1	0.0	40.1	39.8	0.22	178.292		
200.0	200.0	200.0	200.0	0.3	0.3	0.00	40.1	0.0	40.1	39.4	0.67	59.431		
300.0	300.0	300.0	300.0	0.6	0.6	0.00	40.1	0.0	40.1	39.0	1.12	35.658		
400.0	400.0	400.0	400.0	0.8	0.8	0.00	40.1	0.0	40.1	38.5	1.57	25.470		
500.0	500.0	500.0	500.0	1.0	1.0	0.00	40.1	0.0	40.1	38.1	2.02	19.810		
600.0	600.0	600.0	600.0	1.2	1.2	0.00	40.1	0.0	40.1	37.6	2.47	16.208		
700.0	700.0	700.0	700.0	1.5	1.5	0.00	40.1	0.0	40.1	37.2	2.92	13.715		
800.0	800.0	800.0	800.0	1.7	1.7	0.00	40.1	0.0	40.1	36.7	3.37	11.886		
900.0	900.0	900.0	900.0	1.9	1.9	0.00	40.1	0.0	40.1	36.3	3.82	10.488		
1,000.0	1,000.0	1,000.0	1,000.0	2.1	2.1	0.00	40.1	0.0	40.1	35.8	4.27	9.384		
1,100.0	1,100.0	1,100.0	1,100.0	2.4	2.4	0.00	40.1	0.0	40.1	35.4	4.72	8.490		
1,200.0	1,200.0	1,200.0	1,200.0	2.6	2.6	0.00	40.1	0.0	40.1	34.9	5.17	7.752 CC, ES		
1,300.0	1,300.0	1,300.0	1,300.0	2.8	2.8	161.59	40.1	0.0	41.3	35.7	5.59	7.389		
1,400.0	1,399.9	1,399.9	1,399.9	3.0	3.0	163.15	40.1	0.0	45.1	39.1	5.99	7.522		
1,500.0	1,499.7	1,499.7	1,499.7	3.1	3.3	165.24	40.1	0.0	51.4	45.0	6.39	8.033		
1,600.0	1,599.3	1,599.3	1,599.3	3.3	3.5	167.43	40.1	0.0	60.2	53.4	6.80	8.863		
1,700.0	1,698.6	1,699.2	1,699.2	3.6	3.7	168.48	39.8	-1.3	71.3	64.1	7.19	9.922		
1,800.0	1,797.5	1,799.1	1,799.0	3.8	3.9	167.89	39.0	-5.1	84.1	76.5	7.57	11.108		
1,823.5	1,820.8	1,822.6	1,822.4	3.9	3.9	167.59	38.7	-6.3	87.3	79.7	7.66	11.399		
1,900.0	1,896.2	1,898.8	1,898.5	4.1	4.1	166.26	37.6	-11.4	97.8	89.8	7.98	12.263		
2,000.0	1,994.9	1,998.7	1,997.9	4.4	4.3	163.74	35.6	-20.3	111.0	102.6	8.41	13.196		
2,100.0	2,093.6	2,097.9	2,096.6	4.7	4.5	160.83	33.3	-31.2	123.8	114.9	8.87	13.965		
2,200.0	2,192.2	2,196.9	2,194.9	5.0	4.8	158.41	30.9	-42.2	136.9	127.5	9.34	14.651		
2,300.0	2,290.9	2,295.9	2,293.3	5.3	5.0	156.40	28.5	-53.2	150.2	140.3	9.84	15.266		
2,400.0	2,389.6	2,394.9	2,391.6	5.6	5.3	154.73	26.1	-64.2	163.6	153.2	10.34	15.814		
2,500.0	2,488.2	2,493.9	2,490.0	6.0	5.5	153.31	23.7	-75.2	177.1	166.3	10.87	16.303		
2,600.0	2,586.9	2,592.9	2,588.3	6.3	5.8	152.09	21.3	-86.2	190.8	179.4	11.40	16.739		
2,700.0	2,685.6	2,691.9	2,686.7	6.7	6.1	151.03	18.9	-97.3	204.5	192.5	11.94	17.130		
2,800.0	2,784.3	2,790.9	2,785.0	7.0	6.3	150.11	16.5	-108.3	218.3	205.8	12.49	17.479		
2,900.0	2,882.9	2,889.8	2,883.3	7.4	6.6	149.29	14.1	-119.3	232.1	219.0	13.04	17.793		
3,000.0	2,981.6	2,988.8	2,981.7	7.7	6.9	148.57	11.7	-130.3	245.9	232.3	13.61	18.076		
3,100.0	3,080.3	3,087.8	3,080.0	8.1	7.2	147.93	9.3	-141.3	259.8	245.6	14.17	18.332		
3,200.0	3,178.9	3,186.8	3,178.4	8.4	7.4	147.35	6.9	-152.3	273.7	259.0	14.75	18.564		
3,300.0	3,277.6	3,285.8	3,276.7	8.8	7.7	146.82	4.5	-163.3	287.7	272.4	15.32	18.774		
3,400.0	3,376.3	3,384.8	3,375.1	9.2	8.0	146.35	2.1	-174.3	301.7	285.8	15.91	18.966		
3,500.0	3,474.9	3,483.8	3,473.4	9.5	8.3	145.92	-0.3	-185.4	315.6	299.2	16.49	19.142		
3,600.0	3,573.6	3,583.3	3,572.5	9.9	8.5	145.82	-2.4	-194.8	329.6	312.6	17.00	19.381		
3,700.0	3,672.3	3,682.8	3,671.7	10.3	8.7	146.31	-3.7	-200.8	343.4	325.9	17.48	19.645		
3,800.0	3,771.0	3,782.0	3,770.9	10.7	8.9	147.32	-4.3	-203.5	357.1	339.2	17.91	19.937		
3,900.0	3,869.6	3,880.7	3,869.6	11.0	9.1	148.65	-4.3	-203.6	370.9	352.6	18.32	20.245		
4,000.0	3,968.3	3,979.4	3,968.3	11.4	9.3	149.90	-4.3	-203.6	384.9	366.2	18.74	20.541		
4,100.0	4,067.0	4,078.0	4,067.0	11.8	9.5	151.07	-4.3	-203.6	399.1	380.0	19.16	20.828		
4,200.0	4,165.6	4,176.7	4,165.6	12.2	9.7	152.15	-4.3	-203.6	413.5	393.9	19.59	21.111		
4,300.0	4,264.3	4,275.4	4,264.3	12.5	9.9	153.17	-4.3	-203.6	427.9	407.9	20.01	21.386		
4,400.0	4,363.0	4,374.1	4,363.0	12.9	10.1	154.12	-4.3	-203.6	442.5	422.1	20.44	21.655		
4,500.0	4,461.7	4,472.7	4,461.7	13.3	10.3	155.00	-4.3	-203.6	457.3	436.4	20.86	21.917		
4,600.0	4,560.3	4,571.4	4,560.3	13.7	10.5	155.83	-4.3	-203.6	472.1	450.8	21.29	22.172		
4,700.0	4,659.0	4,670.1	4,659.0	14.0	10.7	156.62	-4.3	-203.6	487.0	465.3	21.72	22.419		
4,800.0	4,757.7	4,768.7	4,757.7	14.4	10.9	157.35	-4.3	-203.6	502.0	479.8	22.15	22.660		
4,900.0	4,856.3	4,867.4	4,856.3	14.8	11.1	158.04	-4.3	-203.6	517.0	494.4	22.58	22.893		
5,000.0	4,955.0	4,966.1	4,955.0	15.2	11.3	158.70	-4.3	-203.6	532.2	509.1	23.02	23.119		

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 D-2N-A
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 D-2N-A	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		
5,079.0	5,032.9	5,044.0	5,032.9	15.5	11.4	159.19	-4.3	-203.6	544.2	520.8	23.36	23.292		
5,100.0	5,053.7	5,064.8	5,053.7	15.5	11.5	159.33	-4.3	-203.6	547.3	523.8	23.46	23.327		
5,200.0	5,152.7	5,163.8	5,152.7	15.8	11.7	159.92	-4.3	-203.6	560.2	536.3	23.90	23.440		
5,300.0	5,252.2	5,263.3	5,252.2	16.0	11.9	160.34	-4.3	-203.6	570.0	545.7	24.32	23.438		
5,400.0	5,351.9	5,363.0	5,351.9	16.2	12.1	160.61	-4.3	-203.6	576.4	551.7	24.71	23.327		
5,500.0	5,451.9	5,463.0	5,451.9	16.4	12.3	160.75	-4.3	-203.6	579.6	554.5	25.08	23.115		
5,546.6	5,498.5	5,509.6	5,498.5	16.5	12.4	-0.25	-4.3	-203.6	580.0	552.1	27.91	20.779		
5,600.0	5,551.9	5,563.0	5,551.9	16.5	12.5	-0.25	-4.3	-203.6	580.0	551.9	28.11	20.634		
5,700.0	5,651.9	5,663.0	5,651.9	16.7	12.7	-0.25	-4.3	-203.6	580.0	551.5	28.46	20.377		
5,800.0	5,751.9	5,763.0	5,751.9	16.8	13.0	-0.25	-4.3	-203.6	580.0	551.2	28.82	20.124		
5,900.0	5,851.9	5,863.0	5,851.9	16.9	13.2	-0.25	-4.3	-203.6	580.0	550.8	29.18	19.876		
6,000.0	5,951.9	5,963.0	5,951.9	17.1	13.4	-0.25	-4.3	-203.6	580.0	550.4	29.54	19.633		
6,100.0	6,051.9	6,063.0	6,051.9	17.2	13.6	-0.25	-4.3	-203.6	580.0	550.1	29.90	19.395		
6,200.0	6,151.9	6,163.0	6,151.9	17.4	13.8	-0.25	-4.3	-203.6	580.0	549.7	30.27	19.161		
6,231.9	6,183.8	6,194.9	6,183.8	17.4	13.9	-0.25	-4.3	-203.6	580.0	549.6	30.39	19.087		
6,250.0	6,201.9	6,213.0	6,201.9	17.4	13.9	-89.60	-4.3	-203.6	580.0	552.0	28.00	20.715		
6,300.0	6,251.8	6,262.9	6,251.8	17.5	14.0	-89.90	-4.3	-203.6	580.0	551.8	28.20	20.568		
6,310.4	6,262.1	6,273.2	6,262.1	17.5	14.0	-90.00	-4.3	-203.6	580.0	551.7	28.24	20.538		
6,350.0	6,301.3	6,312.4	6,301.3	17.6	14.1	-90.53	-4.3	-203.6	580.0	551.6	28.40	20.422		
6,400.0	6,350.3	6,361.4	6,350.3	17.6	14.2	-91.47	-4.3	-203.6	580.2	551.6	28.60	20.284		
6,450.0	6,398.5	6,409.6	6,398.5	17.6	14.3	-92.70	-4.3	-203.6	580.7	551.9	28.80	20.159		
6,500.0	6,445.7	6,456.7	6,445.7	17.7	14.4	-94.16	-4.3	-203.6	581.7	552.7	29.00	20.059		
6,550.0	6,491.5	6,502.6	6,491.5	17.7	14.5	-95.80	-4.3	-203.6	583.6	554.4	29.18	19.997		
6,600.0	6,535.9	6,551.4	6,540.4	17.7	14.6	-97.68	-4.3	-202.7	586.5	557.2	29.36	19.979		
6,650.0	6,578.5	6,603.4	6,592.1	17.7	14.7	-99.62	-4.3	-198.1	590.2	560.7	29.49	20.012		
6,700.0	6,619.3	6,657.3	6,645.3	17.7	14.8	-101.54	-4.2	-189.5	594.7	565.1	29.60	20.093		
6,750.0	6,657.9	6,713.5	6,699.9	17.8	14.8	-103.43	-4.0	-176.2	599.9	570.3	29.68	20.213		
6,800.0	6,694.2	6,772.2	6,755.7	17.8	14.9	-105.30	-3.8	-157.9	605.7	576.0	29.75	20.363		
6,850.0	6,728.0	6,833.7	6,812.2	17.8	15.0	-107.13	-3.5	-133.8	612.0	582.2	29.81	20.528		
6,900.0	6,759.1	6,898.0	6,869.0	17.9	15.1	-108.90	-3.2	-103.5	618.7	588.8	29.91	20.687		
6,950.0	6,787.5	6,965.6	6,925.3	17.9	15.2	-110.61	-2.7	-66.4	625.5	595.4	30.06	20.807		
7,000.0	6,812.9	7,036.5	6,980.5	18.0	15.4	-112.23	-2.2	-21.9	632.2	601.9	30.31	20.858		
7,050.0	6,835.2	7,110.8	7,033.3	18.2	15.7	-113.74	-1.6	30.3	638.8	608.1	30.72	20.794		
7,100.0	6,854.4	7,188.6	7,082.5	18.6	16.2	-115.12	-0.9	90.6	645.0	613.6	31.35	20.572		
7,150.0	6,870.3	7,269.7	7,126.5	19.0	16.9	-116.33	-0.1	158.7	650.5	618.2	32.27	20.159		
7,200.0	6,882.9	7,354.0	7,163.7	19.7	17.9	-117.34	0.8	234.2	655.1	621.6	33.51	19.551		
7,250.0	6,892.0	7,440.8	7,192.5	20.5	19.1	-118.12	1.7	316.0	658.7	623.6	35.13	18.751		
7,300.0	6,897.7	7,529.6	7,211.5	21.3	20.5	-118.64	2.7	402.8	661.2	624.0	37.12	17.812		
7,350.0	6,900.0	7,619.7	7,219.7	22.3	22.2	-118.88	3.8	492.4	662.3	622.8	39.44	16.794		
7,356.9	6,900.0	7,632.2	7,220.0	22.4	22.4	-118.89	3.9	504.9	662.3	622.6	39.78	16.650		
7,400.0	6,900.0	7,678.7	7,220.0	23.2	23.3	-118.89	4.5	551.4	662.3	621.0	41.36	16.012		
7,500.0	6,900.0	7,778.7	7,220.0	25.3	25.4	-118.89	5.6	651.4	662.3	617.2	45.09	14.688		
7,600.0	6,900.0	7,878.7	7,220.0	27.5	27.6	-118.89	6.8	751.4	662.3	613.3	49.04	13.506		
7,700.0	6,900.0	7,978.7	7,220.0	29.8	29.9	-118.89	8.0	851.4	662.3	609.2	53.15	12.461		
7,800.0	6,900.0	8,078.7	7,220.0	32.2	32.3	-118.89	9.1	951.3	662.3	604.9	57.40	11.539		
7,900.0	6,900.0	8,178.7	7,220.0	34.7	34.8	-118.89	10.3	1,051.3	662.3	600.6	61.75	10.726		
8,000.0	6,900.0	8,278.7	7,220.0	37.2	37.3	-118.89	11.4	1,151.3	662.3	596.1	66.19	10.006		
8,100.0	6,900.0	8,378.7	7,220.0	39.7	39.8	-118.89	12.6	1,251.3	662.3	591.6	70.69	9.368		
8,200.0	6,900.0	8,478.7	7,220.0	42.3	42.4	-118.89	13.8	1,351.3	662.3	587.0	75.26	8.800		
8,300.0	6,900.0	8,578.7	7,220.0	44.9	45.0	-118.89	14.9	1,451.3	662.3	582.4	79.87	8.292		
8,400.0	6,900.0	8,678.7	7,220.0	47.5	47.6	-118.89	16.1	1,551.3	662.3	577.8	84.52	7.836		
8,500.0	6,900.0	8,778.7	7,220.0	50.2	50.3	-118.89	17.3	1,651.3	662.3	573.1	89.20	7.424		

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 D-2N-A
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 D-2N-A	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 43-2C - 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			
8,600.0	6,900.0	8,878.7	7,220.0	52.8	52.9	-118.89	18.4	1,751.3	662.3	568.3	93.91	7.052			
8,700.0	6,900.0	8,978.7	7,220.0	55.5	55.6	-118.89	19.6	1,851.3	662.2	563.6	98.65	6.713			
8,800.0	6,900.0	9,078.7	7,220.0	58.2	58.3	-118.90	20.8	1,951.3	662.2	558.8	103.40	6.405			
8,900.0	6,900.0	9,178.7	7,220.0	60.9	61.0	-118.90	21.9	2,051.3	662.2	554.1	108.17	6.122			
9,000.0	6,900.0	9,278.7	7,220.0	63.6	63.7	-118.90	23.1	2,151.3	662.2	549.3	112.96	5.862			
9,100.0	6,900.0	9,378.7	7,220.0	66.3	66.4	-118.90	24.3	2,251.3	662.2	544.5	117.77	5.623			
9,200.0	6,900.0	9,478.7	7,220.0	69.0	69.1	-118.90	25.4	2,351.3	662.2	539.6	122.58	5.402			
9,300.0	6,900.0	9,578.7	7,220.0	71.7	71.9	-118.90	26.6	2,451.2	662.2	534.8	127.41	5.198			
9,400.0	6,900.0	9,678.7	7,220.0	74.5	74.6	-118.90	27.7	2,551.2	662.2	530.0	132.24	5.007			
9,500.0	6,900.0	9,778.7	7,220.0	77.2	77.3	-118.90	28.9	2,651.2	662.2	525.1	137.09	4.830			
9,600.0	6,900.0	9,878.7	7,220.0	80.0	80.1	-118.90	30.1	2,751.2	662.2	520.2	141.94	4.665			
9,700.0	6,900.0	9,978.7	7,220.0	82.7	82.8	-118.90	31.2	2,851.2	662.2	515.4	146.80	4.511			
9,800.0	6,900.0	10,078.7	7,220.0	85.5	85.6	-118.90	32.4	2,951.2	662.2	510.5	151.66	4.366			
9,900.0	6,900.0	10,178.7	7,220.0	88.2	88.3	-118.90	33.6	3,051.2	662.2	505.6	156.53	4.230			
10,000.0	6,900.0	10,278.7	7,220.0	91.0	91.1	-118.90	34.7	3,151.2	662.2	500.8	161.41	4.102			
10,100.0	6,900.0	10,378.7	7,220.0	93.7	93.9	-118.90	35.9	3,251.2	662.2	495.9	166.29	3.982			
10,200.0	6,900.0	10,478.7	7,220.0	96.5	96.6	-118.90	37.1	3,351.2	662.1	491.0	171.18	3.868			
10,300.0	6,900.0	10,578.7	7,220.0	99.3	99.4	-118.90	38.2	3,451.2	662.1	486.1	176.07	3.761			
10,400.0	6,900.0	10,678.7	7,220.0	102.0	102.2	-118.90	39.4	3,551.2	662.1	481.2	180.96	3.659			
10,500.0	6,900.0	10,778.7	7,220.0	104.8	104.9	-118.90	40.5	3,651.2	662.1	476.3	185.85	3.563			
10,600.0	6,900.0	10,878.7	7,220.0	107.6	107.7	-118.90	41.7	3,751.2	662.1	471.4	190.75	3.471			
10,700.0	6,900.0	10,978.7	7,220.0	110.3	110.5	-118.90	42.9	3,851.1	662.1	466.5	195.65	3.384			
10,800.0	6,900.0	11,078.7	7,220.0	113.1	113.2	-118.90	44.0	3,951.1	662.1	461.5	200.56	3.301			
10,900.0	6,900.0	11,178.7	7,220.0	115.9	116.0	-118.90	45.2	4,051.1	662.1	456.6	205.47	3.222			
11,000.0	6,900.0	11,278.7	7,220.0	118.7	118.8	-118.90	46.4	4,151.1	662.1	451.7	210.37	3.147			
11,100.0	6,900.0	11,378.7	7,220.0	121.4	121.6	-118.90	47.5	4,251.1	662.1	446.8	215.29	3.075			
11,200.0	6,900.0	11,478.7	7,220.0	124.2	124.4	-118.90	48.7	4,351.1	662.1	441.9	220.20	3.007			
11,300.0	6,900.0	11,578.7	7,220.0	127.0	127.1	-118.90	49.9	4,451.1	662.1	437.0	225.11	2.941			
11,400.0	6,900.0	11,678.7	7,220.0	129.8	129.9	-118.90	51.0	4,551.1	662.1	432.0	230.03	2.878			
11,431.0	6,900.0	11,709.7	7,220.0	130.3	130.8	-118.90	51.4	4,582.1	662.1	430.8	231.28	2.863 SF			

Company:	Synergy Resources	Local Co-ordinate Reference:	Well SRC Vista D-2N-A
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 D-2N-A	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 43-2N-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	0.00	59.8	0.0	59.8					
100.0	100.0	100.0	100.0	0.1	0.1	0.00	59.8	0.0	59.8	59.5	0.22	265.835		
200.0	200.0	200.0	200.0	0.3	0.3	0.00	59.8	0.0	59.8	59.1	0.67	88.612		
300.0	300.0	300.0	300.0	0.6	0.6	0.00	59.8	0.0	59.8	58.6	1.12	53.167		
400.0	400.0	400.0	400.0	0.8	0.8	0.00	59.8	0.0	59.8	58.2	1.57	37.976		
500.0	500.0	500.0	500.0	1.0	1.0	0.00	59.8	0.0	59.8	57.7	2.02	29.537		
600.0	600.0	600.0	600.0	1.2	1.2	0.00	59.8	0.0	59.8	57.3	2.47	24.167		
700.0	700.0	700.0	700.0	1.5	1.5	0.00	59.8	0.0	59.8	56.8	2.92	20.449		
800.0	800.0	800.0	800.0	1.7	1.7	0.00	59.8	0.0	59.8	56.4	3.37	17.722		
900.0	900.0	900.0	900.0	1.9	1.9	0.00	59.8	0.0	59.8	55.9	3.82	15.637		
1,000.0	1,000.0	1,000.0	1,000.0	2.1	2.1	0.00	59.8	0.0	59.8	55.5	4.27	13.991		
1,100.0	1,100.0	1,100.0	1,100.0	2.4	2.4	0.00	59.8	0.0	59.8	55.0	4.72	12.659		
1,200.0	1,200.0	1,200.0	1,200.0	2.6	2.6	0.00	59.8	0.0	59.8	54.6	5.17	11.558 CC, ES		
1,300.0	1,300.0	1,300.0	1,300.0	2.8	2.8	161.40	59.8	0.0	61.0	55.4	5.59	10.908		
1,400.0	1,399.9	1,399.9	1,399.9	3.0	3.0	162.49	59.8	0.0	64.7	58.7	5.99	10.805		
1,500.0	1,499.7	1,499.7	1,499.7	3.1	3.3	164.06	59.8	0.0	71.0	64.6	6.39	11.105		
1,600.0	1,599.3	1,599.3	1,599.3	3.3	3.5	165.83	59.8	0.0	79.8	73.0	6.80	11.743		
1,700.0	1,698.6	1,698.6	1,698.6	3.6	3.7	167.60	59.8	0.0	91.3	84.1	7.20	12.669		
1,800.0	1,797.5	1,797.5	1,797.5	3.8	3.9	169.23	59.8	0.0	105.3	97.7	7.61	13.840		
1,823.5	1,820.8	1,820.8	1,820.8	3.9	4.0	169.59	59.8	0.0	109.0	101.3	7.71	14.148		
1,900.0	1,896.2	1,896.2	1,896.2	4.1	4.1	170.65	59.8	0.0	121.3	113.2	8.03	15.100		
2,000.0	1,994.9	1,994.9	1,994.9	4.4	4.4	171.75	59.8	0.0	137.3	128.9	8.46	16.232		
2,100.0	2,093.6	2,093.6	2,093.6	4.7	4.6	172.62	59.8	0.0	153.4	144.6	8.89	17.251		
2,200.0	2,192.2	2,192.2	2,192.2	5.0	4.8	173.33	59.8	0.0	169.6	160.2	9.33	18.171		
2,300.0	2,290.9	2,290.9	2,290.9	5.3	5.0	173.91	59.8	0.0	185.7	176.0	9.77	19.004		
2,400.0	2,389.6	2,389.6	2,389.6	5.6	5.3	174.40	59.8	0.0	201.9	191.7	10.22	19.762		
2,500.0	2,488.2	2,491.4	2,491.4	6.0	5.5	174.60	59.3	-1.0	217.5	206.8	10.65	20.413		
2,600.0	2,586.9	2,594.0	2,593.9	6.3	5.7	174.22	57.8	-4.5	231.4	220.3	11.08	20.895		
2,700.0	2,685.6	2,696.9	2,696.6	6.7	5.9	173.36	55.2	-10.6	243.8	232.3	11.51	21.187		
2,800.0	2,784.3	2,800.0	2,799.3	7.0	6.1	172.07	51.5	-19.2	254.8	242.8	11.96	21.310		
2,900.0	2,882.9	2,899.8	2,898.5	7.4	6.3	170.63	47.3	-29.1	264.9	252.5	12.41	21.344		
3,000.0	2,981.6	2,999.1	2,997.2	7.7	6.5	169.29	43.1	-39.0	275.2	262.3	12.88	21.371		
3,100.0	3,080.3	3,098.4	3,095.9	8.1	6.7	168.05	38.8	-48.8	285.6	272.3	13.35	21.389		
3,200.0	3,178.9	3,197.6	3,194.6	8.4	7.0	166.90	34.6	-58.7	296.2	282.3	13.84	21.401		
3,300.0	3,277.6	3,296.9	3,293.3	8.8	7.2	165.83	30.4	-68.5	306.8	292.5	14.33	21.406		
3,400.0	3,376.3	3,396.2	3,392.0	9.2	7.4	164.83	26.2	-78.4	317.6	302.7	14.84	21.406		
3,500.0	3,474.9	3,495.4	3,490.7	9.5	7.7	163.90	21.9	-88.2	328.4	313.1	15.35	21.401		
3,600.0	3,573.6	3,589.9	3,584.7	9.9	7.9	163.30	18.5	-96.2	340.0	324.2	15.82	21.493		
3,700.0	3,672.3	3,684.1	3,678.7	10.3	8.1	163.21	16.4	-101.2	353.1	336.8	16.28	21.691		
3,800.0	3,771.0	3,777.9	3,772.5	10.7	8.3	163.55	15.4	-103.5	367.6	350.9	16.71	21.998		
3,900.0	3,869.6	3,875.0	3,869.6	11.0	8.5	164.21	15.4	-103.6	383.1	366.0	17.14	22.359		
4,000.0	3,968.3	3,973.7	3,968.3	11.4	8.7	164.85	15.4	-103.6	398.8	381.2	17.58	22.687		
4,100.0	4,067.0	4,072.4	4,067.0	11.8	8.9	165.43	15.4	-103.6	414.5	396.5	18.03	22.995		
4,200.0	4,165.6	4,171.0	4,165.6	12.2	9.1	165.98	15.4	-103.6	430.3	411.8	18.48	23.289		
4,300.0	4,264.3	4,269.7	4,264.3	12.5	9.3	166.48	15.4	-103.6	446.1	427.2	18.93	23.569		
4,400.0	4,363.0	4,368.4	4,363.0	12.9	9.5	166.95	15.4	-103.6	461.9	442.5	19.38	23.837		
4,500.0	4,461.7	4,467.0	4,461.7	13.3	9.8	167.39	15.4	-103.6	477.8	458.0	19.83	24.092		
4,600.0	4,560.3	4,565.7	4,560.3	13.7	10.0	167.81	15.4	-103.6	493.7	473.4	20.28	24.337		
4,700.0	4,659.0	4,664.4	4,659.0	14.0	10.2	168.19	15.4	-103.6	509.6	488.8	20.74	24.571		
4,800.0	4,757.7	4,763.1	4,757.7	14.4	10.4	168.55	15.4	-103.6	525.5	504.3	21.19	24.794		
4,900.0	4,856.3	4,861.7	4,856.3	14.8	10.6	168.89	15.4	-103.6	541.4	519.8	21.65	25.009		
5,000.0	4,955.0	4,960.4	4,955.0	15.2	10.8	169.22	15.4	-103.6	557.4	535.3	22.11	25.214		

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 D-2N-A
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 D-2N-A	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		
5,079.0	5,032.9	5,038.3	5,032.9	15.5	11.0	169.46	15.4	-103.6	570.0	547.6	22.47	25.371		
5,100.0	5,053.7	5,059.1	5,053.7	15.5	11.0	169.53	15.4	-103.6	573.3	550.7	22.57	25.397		
5,200.0	5,152.7	5,158.1	5,152.7	15.8	11.3	169.82	15.4	-103.6	586.9	563.8	23.05	25.467		
5,300.0	5,252.2	5,257.6	5,252.2	16.0	11.5	170.03	15.4	-103.6	597.1	573.6	23.49	25.420		
5,400.0	5,351.9	5,357.3	5,351.9	16.2	11.7	170.17	15.4	-103.6	603.8	579.9	23.90	25.265		
5,500.0	5,451.9	5,457.3	5,451.9	16.4	11.9	170.24	15.4	-103.6	607.2	582.9	24.28	25.008		
5,546.6	5,498.5	5,503.9	5,498.5	16.5	12.0	9.24	15.4	-103.6	607.5	579.3	28.24	21.514		
5,600.0	5,551.9	5,557.3	5,551.9	16.5	12.1	9.24	15.4	-103.6	607.5	579.1	28.43	21.366		
5,700.0	5,651.9	5,657.3	5,651.9	16.7	12.4	9.24	15.4	-103.6	607.5	578.7	28.79	21.101		
5,800.0	5,751.9	5,757.3	5,751.9	16.8	12.6	9.24	15.4	-103.6	607.5	578.4	29.15	20.842		
5,900.0	5,851.9	5,857.3	5,851.9	16.9	12.8	9.24	15.4	-103.6	607.5	578.0	29.51	20.587		
6,000.0	5,951.9	5,957.3	5,951.9	17.1	13.0	9.24	15.4	-103.6	607.5	577.7	29.87	20.337		
6,100.0	6,051.9	6,057.3	6,051.9	17.2	13.2	9.24	15.4	-103.6	607.5	577.3	30.24	20.093		
6,200.0	6,151.9	6,157.3	6,151.9	17.4	13.5	9.24	15.4	-103.6	607.5	576.9	30.60	19.852		
6,231.9	6,183.8	6,189.2	6,183.8	17.4	13.5	9.24	15.4	-103.6	607.5	576.8	30.72	19.776		
6,250.0	6,201.9	6,205.0	6,199.6	17.4	13.6	-80.10	15.4	-103.4	607.5	580.2	27.29	22.263		
6,300.0	6,251.8	6,250.0	6,244.5	17.5	13.6	-80.13	15.4	-101.0	607.5	580.0	27.44	22.138		
6,350.0	6,301.3	6,292.3	6,286.5	17.6	13.7	-80.21	15.4	-96.2	607.3	579.7	27.57	22.026		
6,400.0	6,350.3	6,336.0	6,329.6	17.6	13.8	-80.33	15.5	-88.6	607.1	579.4	27.70	21.920		
6,450.0	6,398.5	6,379.7	6,372.1	17.6	13.9	-80.49	15.7	-78.4	606.8	579.0	27.81	21.817		
6,500.0	6,445.7	6,423.6	6,414.1	17.7	13.9	-80.69	15.8	-65.6	606.5	578.5	27.93	21.713		
6,550.0	6,491.5	6,467.6	6,455.2	17.7	14.0	-80.94	16.0	-50.2	606.1	578.0	28.06	21.602		
6,600.0	6,535.9	6,511.7	6,495.5	17.7	14.1	-81.22	16.2	-32.2	605.6	577.4	28.20	21.477		
6,650.0	6,578.5	6,555.9	6,534.7	17.7	14.2	-81.54	16.4	-11.7	605.1	576.7	28.37	21.330		
6,700.0	6,619.3	6,600.0	6,572.4	17.7	14.3	-81.89	16.7	11.0	604.6	576.0	28.58	21.151		
6,750.0	6,657.9	6,645.0	6,609.4	17.8	14.5	-82.29	17.0	36.6	604.0	575.1	28.86	20.926		
6,800.0	6,694.2	6,689.8	6,644.6	17.8	14.6	-82.72	17.4	64.4	603.4	574.2	29.22	20.648		
6,850.0	6,728.0	6,734.9	6,678.2	17.8	14.8	-83.18	17.7	94.4	602.8	573.1	29.68	20.309		
6,900.0	6,759.1	6,780.2	6,710.0	17.9	15.1	-83.67	18.1	126.7	602.2	572.0	30.26	19.903		
6,950.0	6,787.5	6,825.8	6,739.8	17.9	15.4	-84.19	18.5	161.2	601.7	570.7	30.97	19.430		
7,000.0	6,812.9	6,871.7	6,767.6	18.0	15.8	-84.74	19.0	197.7	601.1	569.3	31.82	18.891		
7,050.0	6,835.2	6,918.0	6,793.2	18.2	16.2	-85.32	19.4	236.3	600.6	567.8	32.83	18.295		
7,100.0	6,854.4	6,964.6	6,816.3	18.6	16.8	-85.92	19.9	276.7	600.1	566.1	33.99	17.653		
7,150.0	6,870.3	7,011.5	6,837.0	19.0	17.4	-86.54	20.4	318.8	599.7	564.4	35.32	16.978		
7,200.0	6,882.9	7,058.9	6,855.0	19.7	18.0	-87.18	20.9	362.6	599.3	562.5	36.80	16.286		
7,250.0	6,892.0	7,106.6	6,870.1	20.5	18.8	-87.84	21.5	407.9	599.0	560.6	38.43	15.589		
7,300.0	6,897.7	7,154.8	6,882.3	21.3	19.6	-88.51	22.0	454.5	598.8	558.6	40.18	14.903		
7,350.0	6,900.0	7,203.5	6,891.5	22.3	20.5	-89.18	22.6	502.3	598.7	556.6	42.05	14.238		
7,356.9	6,900.0	7,210.3	6,892.5	22.4	20.6	-89.28	22.7	509.0	598.7	556.3	42.32	14.147		
7,400.0	6,900.0	7,252.8	6,897.4	23.2	21.4	-89.75	23.2	551.2	598.6	554.6	44.02	13.600		
7,408.1	6,900.0	7,260.8	6,898.0	23.4	21.6	-89.81	23.3	559.2	598.6	554.3	44.35	13.497		
7,500.0	6,900.0	7,352.6	6,900.0	25.3	23.5	-90.00	24.4	651.0	598.7	550.5	48.19	12.422		
7,600.0	6,900.0	7,452.6	6,900.0	27.5	25.6	-90.00	25.6	750.9	598.7	546.1	52.61	11.379		
7,700.0	6,900.0	7,552.6	6,900.0	29.8	27.9	-90.00	26.8	850.9	598.7	541.5	57.24	10.459		
7,800.0	6,900.0	7,652.6	6,900.0	32.2	30.3	-90.00	28.0	950.9	598.7	536.7	62.03	9.652		
7,900.0	6,900.0	7,752.6	6,900.0	34.7	32.7	-90.00	29.2	1,050.9	598.8	531.8	66.95	8.943		
8,000.0	6,900.0	7,852.6	6,900.0	37.2	35.2	-90.00	30.4	1,150.9	598.8	526.8	71.97	8.320		
8,100.0	6,900.0	7,952.6	6,900.0	39.7	37.8	-90.00	31.6	1,250.9	598.8	521.7	77.07	7.769		
8,200.0	6,900.0	8,052.6	6,900.0	42.3	40.3	-90.00	32.8	1,350.9	598.8	516.6	82.24	7.282		
8,300.0	6,900.0	8,152.6	6,900.0	44.9	42.9	-90.00	34.0	1,450.9	598.9	511.4	87.46	6.847		
8,400.0	6,900.0	8,252.6	6,900.0	47.5	45.6	-90.00	35.1	1,550.9	598.9	506.1	92.73	6.458		
8,500.0	6,900.0	8,352.6	6,900.0	50.2	48.2	-90.00	36.3	1,650.9	598.9	500.9	98.03	6.109		

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 D-2N-A
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 D-2N-A	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		
8,600.0	6,900.0	8,452.6	6,900.0	52.8	50.9	-90.00	37.5	1,750.9	598.9	495.6	103.37	5.794		
8,700.0	6,900.0	8,552.6	6,900.0	55.5	53.5	-90.00	38.7	1,850.9	599.0	490.2	108.74	5.508		
8,800.0	6,900.0	8,652.6	6,900.0	58.2	56.2	-90.00	39.9	1,950.9	599.0	484.9	114.12	5.248		
8,900.0	6,900.0	8,752.6	6,900.0	60.9	58.9	-90.00	41.1	2,050.9	599.0	479.5	119.53	5.011		
9,000.0	6,900.0	8,852.6	6,900.0	63.6	61.6	-90.00	42.3	2,150.8	599.0	474.1	124.96	4.794		
9,100.0	6,900.0	8,952.6	6,900.0	66.3	64.4	-90.00	43.5	2,250.8	599.1	468.6	130.40	4.594		
9,200.0	6,900.0	9,052.6	6,900.0	69.0	67.1	-90.00	44.7	2,350.8	599.1	463.2	135.86	4.410		
9,300.0	6,900.0	9,152.6	6,900.0	71.7	69.8	-90.00	45.9	2,450.8	599.1	457.8	141.33	4.239		
9,400.0	6,900.0	9,252.6	6,900.0	74.5	72.6	-90.00	47.1	2,550.8	599.1	452.3	146.80	4.081		
9,500.0	6,900.0	9,352.6	6,900.0	77.2	75.3	-90.00	48.3	2,650.8	599.2	446.9	152.29	3.934		
9,600.0	6,900.0	9,452.6	6,900.0	80.0	78.0	-90.00	49.5	2,750.8	599.2	441.4	157.79	3.797		
9,700.0	6,900.0	9,552.6	6,900.0	82.7	80.8	-90.00	50.7	2,850.8	599.2	435.9	163.29	3.670		
9,800.0	6,900.0	9,652.6	6,900.0	85.5	83.5	-90.00	51.9	2,950.8	599.2	430.4	168.80	3.550		
9,900.0	6,900.0	9,752.6	6,900.0	88.2	86.3	-90.00	53.1	3,050.8	599.2	424.9	174.32	3.438		
10,000.0	6,900.0	9,852.6	6,900.0	91.0	89.1	-90.00	54.3	3,150.8	599.3	419.4	179.84	3.332		
10,100.0	6,900.0	9,952.6	6,900.0	93.7	91.8	-90.00	55.5	3,250.8	599.3	413.9	185.37	3.233		
10,200.0	6,900.0	10,052.6	6,900.0	96.5	94.6	-90.00	56.7	3,350.8	599.3	408.4	190.90	3.139		
10,300.0	6,900.0	10,152.6	6,900.0	99.3	97.4	-90.00	57.9	3,450.8	599.3	402.9	196.44	3.051		
10,400.0	6,900.0	10,252.6	6,900.0	102.0	100.1	-90.00	59.1	3,550.7	599.4	397.4	201.98	2.967		
10,500.0	6,900.0	10,352.6	6,900.0	104.8	102.9	-90.00	60.3	3,650.7	599.4	391.9	207.53	2.888		
10,600.0	6,900.0	10,452.6	6,900.0	107.6	105.7	-90.00	61.5	3,750.7	599.4	386.3	213.08	2.813		
10,700.0	6,900.0	10,552.6	6,900.0	110.3	108.4	-90.00	62.7	3,850.7	599.4	380.8	218.63	2.742		
10,800.0	6,900.0	10,652.6	6,900.0	113.1	111.2	-90.00	63.9	3,950.7	599.5	375.3	224.18	2.674		
10,900.0	6,900.0	10,752.6	6,900.0	115.9	114.0	-90.00	65.1	4,050.7	599.5	369.8	229.74	2.609		
11,000.0	6,900.0	10,852.6	6,900.0	118.7	116.8	-90.00	66.3	4,150.7	599.5	364.2	235.30	2.548		
11,100.0	6,900.0	10,952.6	6,900.0	121.4	119.6	-90.00	67.5	4,250.7	599.5	358.7	240.86	2.489		
11,200.0	6,900.0	11,052.6	6,900.0	124.2	122.3	-90.00	68.6	4,350.7	599.6	353.1	246.42	2.433		
11,300.0	6,900.0	11,152.6	6,900.0	127.0	125.1	-90.00	69.8	4,450.7	599.6	347.6	251.99	2.379		
11,400.0	6,900.0	11,252.6	6,900.0	129.8	127.4	-90.00	71.0	4,550.7	599.6	342.6	257.04	2.333		
11,431.0	6,900.0	11,283.6	6,900.0	130.3	128.0	-90.00	71.4	4,581.6	599.6	341.5	258.16	2.323 SF		

Company:	Synergy Resources	Local Co-ordinate Reference:	Well SRC Vista D-2N-A
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 D-2N-A	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	20.0	0.0	20.0					
100.0	100.0	100.0	100.0	0.1	0.1	0.00	20.0	0.0	20.0	19.8	0.22	89.146		
200.0	200.0	200.0	200.0	0.3	0.3	0.00	20.0	0.0	20.0	19.4	0.67	29.715		
300.0	300.0	300.0	300.0	0.6	0.6	0.00	20.0	0.0	20.0	18.9	1.12	17.829		
400.0	400.0	400.0	400.0	0.8	0.8	0.00	20.0	0.0	20.0	18.5	1.57	12.735		
500.0	500.0	500.0	500.0	1.0	1.0	0.00	20.0	0.0	20.0	18.0	2.02	9.905		
600.0	600.0	600.0	600.0	1.2	1.2	0.00	20.0	0.0	20.0	17.6	2.47	8.104		
700.0	700.0	700.0	700.0	1.5	1.5	0.00	20.0	0.0	20.0	17.1	2.92	6.857		
800.0	800.0	800.0	800.0	1.7	1.7	0.00	20.0	0.0	20.0	16.7	3.37	5.943		
900.0	900.0	900.0	900.0	1.9	1.9	0.00	20.0	0.0	20.0	16.2	3.82	5.244		
1,000.0	1,000.0	1,000.0	1,000.0	2.1	2.1	0.00	20.0	0.0	20.0	15.8	4.27	4.692		
1,100.0	1,100.0	1,100.0	1,100.0	2.4	2.4	0.00	20.0	0.0	20.0	15.3	4.72	4.245		
1,200.0	1,200.0	1,200.0	1,200.0	2.6	2.6	0.00	20.0	0.0	20.0	14.9	5.17	3.876 CC, ES		
1,300.0	1,300.0	1,300.0	1,300.0	2.8	2.8	162.15	20.0	0.0	21.3	15.7	5.59	3.806		
1,400.0	1,399.9	1,399.9	1,399.9	3.0	3.0	164.89	20.0	0.0	25.0	19.1	5.99	4.181		
1,500.0	1,499.7	1,500.4	1,500.4	3.1	3.2	166.89	18.9	-0.7	30.2	23.9	6.37	4.749		
1,600.0	1,599.3	1,601.0	1,600.9	3.3	3.4	167.29	15.6	-2.9	35.7	28.9	6.72	5.302		
1,700.0	1,698.6	1,701.8	1,701.5	3.6	3.6	166.71	10.1	-6.6	41.3	34.2	7.09	5.820		
1,800.0	1,797.5	1,802.6	1,801.9	3.8	3.8	165.50	2.3	-11.7	47.1	39.7	7.47	6.307		
1,823.5	1,820.8	1,826.4	1,825.5	3.9	3.9	165.15	0.2	-13.1	48.6	41.0	7.57	6.417		
1,900.0	1,896.2	1,902.8	1,901.4	4.1	4.0	164.02	-7.1	-17.8	53.0	45.1	7.88	6.727		
2,000.0	1,994.9	2,002.6	2,000.6	4.4	4.2	162.80	-16.5	-24.1	58.9	50.6	8.31	7.086		
2,100.0	2,093.6	2,102.4	2,099.8	4.7	4.5	161.79	-26.0	-30.3	64.8	56.0	8.75	7.401		
2,200.0	2,192.2	2,202.3	2,198.9	5.0	4.7	160.96	-35.5	-36.6	70.7	61.5	9.21	7.678		
2,300.0	2,290.9	2,302.1	2,298.1	5.3	5.0	160.26	-45.0	-42.8	76.6	67.0	9.67	7.922		
2,400.0	2,389.6	2,401.9	2,397.3	5.6	5.2	159.65	-54.4	-49.0	82.6	72.4	10.15	8.137		
2,500.0	2,488.2	2,501.7	2,496.5	6.0	5.5	159.13	-63.9	-55.3	88.5	77.9	10.63	8.327		
2,600.0	2,586.9	2,601.5	2,595.6	6.3	5.8	158.67	-73.4	-61.5	94.4	83.3	11.12	8.496		
2,700.0	2,685.6	2,701.4	2,694.8	6.7	6.1	158.27	-82.9	-67.8	100.4	88.8	11.61	8.647		
2,800.0	2,784.3	2,801.2	2,794.0	7.0	6.3	157.91	-92.3	-74.0	106.4	94.2	12.11	8.781		
2,900.0	2,882.9	2,901.0	2,893.2	7.4	6.6	157.59	-101.8	-80.2	112.3	99.7	12.62	8.902		
3,000.0	2,981.6	3,000.8	2,992.3	7.7	6.9	157.30	-111.3	-86.5	118.3	105.1	13.13	9.011		
3,100.0	3,080.3	3,100.6	3,091.5	8.1	7.2	157.04	-120.7	-92.7	124.2	110.6	13.64	9.109		
3,200.0	3,178.9	3,200.5	3,190.7	8.4	7.5	156.81	-130.2	-99.0	130.2	116.1	14.16	9.198		
3,300.0	3,277.6	3,300.3	3,289.9	8.8	7.8	156.59	-139.7	-105.2	136.2	121.5	14.68	9.279		
3,400.0	3,376.3	3,400.1	3,389.0	9.2	8.1	156.40	-149.2	-111.4	142.1	126.9	15.20	9.352		
3,500.0	3,474.9	3,499.9	3,488.2	9.5	8.4	156.21	-158.6	-117.7	148.1	132.4	15.73	9.419		
3,600.0	3,573.6	3,599.7	3,587.4	9.9	8.7	156.05	-168.1	-123.9	154.1	137.8	16.25	9.481		
3,700.0	3,672.3	3,699.6	3,686.6	10.3	9.0	155.89	-177.6	-130.1	160.1	143.3	16.78	9.538		
3,800.0	3,771.0	3,799.4	3,785.7	10.7	9.3	155.75	-187.1	-136.4	166.0	148.7	17.32	9.590		
3,900.0	3,869.6	3,899.2	3,884.9	11.0	9.6	155.61	-196.5	-142.6	172.0	154.2	17.85	9.638		
4,000.0	3,968.3	3,999.0	3,984.1	11.4	9.9	155.49	-206.0	-148.9	178.0	159.6	18.38	9.683		
4,100.0	4,067.0	4,098.9	4,083.2	11.8	10.2	155.37	-215.5	-155.1	184.0	165.1	18.92	9.724		
4,200.0	4,165.6	4,198.7	4,182.4	12.2	10.5	155.26	-225.0	-161.3	190.0	170.5	19.46	9.762		
4,300.0	4,264.3	4,298.5	4,281.6	12.5	10.8	155.16	-234.4	-167.6	195.9	175.9	20.00	9.798		
4,400.0	4,363.0	4,398.3	4,380.8	12.9	11.1	155.06	-243.9	-173.8	201.9	181.4	20.54	9.831		
4,500.0	4,461.7	4,498.1	4,479.9	13.3	11.4	154.97	-253.4	-180.1	207.9	186.8	21.08	9.862		
4,600.0	4,560.3	4,598.0	4,579.1	13.7	11.7	154.89	-262.9	-186.3	213.9	192.3	21.62	9.892		
4,700.0	4,659.0	4,697.6	4,678.1	14.0	12.0	154.81	-272.3	-192.5	219.9	197.7	22.17	9.920		
4,800.0	4,757.7	4,791.6	4,771.7	14.4	12.2	155.00	-279.9	-197.5	227.2	204.6	22.62	10.043		
4,900.0	4,856.3	4,885.2	4,865.1	14.8	12.4	155.65	-284.8	-200.8	237.1	214.1	23.03	10.296		
5,000.0	4,955.0	4,978.1	4,957.9	15.2	12.6	156.68	-287.2	-202.3	249.6	226.2	23.39	10.671		

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 D-2N-A
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 D-2N-A	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		
5,079.0	5,032.9	5,053.1	5,032.9	15.5	12.7	157.71	-287.5	-202.5	261.2	237.5	23.66	11.041		
5,100.0	5,053.7	5,073.9	5,053.7	15.5	12.7	158.01	-287.5	-202.5	264.3	240.6	23.73	11.137		
5,200.0	5,152.7	5,172.9	5,152.7	15.8	12.9	159.17	-287.5	-202.5	277.2	253.1	24.06	11.517		
5,300.0	5,252.2	5,272.3	5,252.2	16.0	13.1	159.97	-287.5	-202.5	286.8	262.4	24.40	11.757		
5,400.0	5,351.9	5,372.1	5,351.9	16.2	13.2	160.47	-287.5	-202.5	293.3	268.6	24.72	11.864		
5,500.0	5,451.9	5,472.0	5,451.9	16.4	13.4	160.71	-287.5	-202.5	296.5	271.4	25.04	11.842		
5,546.6	5,498.5	5,518.7	5,498.5	16.5	13.5	-0.27	-287.5	-202.5	296.8	267.8	29.09	10.205		
5,600.0	5,551.9	5,572.0	5,551.9	16.5	13.6	-0.27	-287.5	-202.5	296.8	267.6	29.26	10.144		
5,700.0	5,651.9	5,672.0	5,651.9	16.7	13.8	-0.27	-287.5	-202.5	296.8	267.3	29.58	10.035		
5,800.0	5,751.9	5,772.0	5,751.9	16.8	13.9	-0.27	-287.5	-202.5	296.8	266.9	29.90	9.928		
5,900.0	5,851.9	5,872.0	5,851.9	16.9	14.1	-0.27	-287.5	-202.5	296.8	266.6	30.22	9.822		
6,000.0	5,951.9	5,972.0	5,951.9	17.1	14.3	-0.27	-287.5	-202.5	296.8	266.3	30.55	9.718		
6,100.0	6,051.9	6,072.0	6,051.9	17.2	14.5	-0.27	-287.5	-202.5	296.8	266.0	30.87	9.614		
6,200.0	6,151.9	6,172.0	6,151.9	17.4	14.6	-0.27	-287.5	-202.5	296.8	265.6	31.21	9.512		
6,231.9	6,183.8	6,204.0	6,183.8	17.4	14.7	-0.27	-287.5	-202.5	296.8	265.5	31.31	9.480		
6,250.0	6,201.9	6,222.0	6,201.8	17.4	14.7	-89.60	-287.5	-202.3	296.8	269.0	27.81	10.673		
6,300.0	6,251.8	6,271.8	6,251.6	17.5	14.8	-89.60	-287.4	-199.3	296.8	268.9	27.97	10.612		
6,350.0	6,301.3	6,321.7	6,301.0	17.6	14.9	-89.60	-287.3	-192.8	296.8	268.7	28.10	10.562		
6,400.0	6,350.3	6,371.6	6,349.9	17.6	14.9	-89.61	-287.2	-183.0	296.8	268.6	28.21	10.522		
6,450.0	6,398.5	6,421.4	6,397.9	17.6	15.0	-89.62	-287.1	-169.7	296.8	268.5	28.30	10.489		
6,500.0	6,445.7	6,471.3	6,445.0	17.7	15.0	-89.63	-286.9	-153.2	296.8	268.5	28.38	10.460		
6,550.0	6,491.5	6,521.2	6,490.7	17.7	15.0	-89.64	-286.7	-133.4	296.8	268.4	28.46	10.431		
6,600.0	6,535.9	6,571.0	6,535.0	17.7	15.1	-89.65	-286.4	-110.5	296.8	268.3	28.55	10.397		
6,650.0	6,578.5	6,620.9	6,577.6	17.7	15.1	-89.67	-286.1	-84.5	296.8	268.2	28.68	10.352		
6,700.0	6,619.3	6,670.8	6,618.3	17.7	15.1	-89.68	-285.7	-55.7	296.8	268.0	28.85	10.289		
6,750.0	6,657.9	6,720.7	6,656.8	17.8	15.1	-89.70	-285.4	-24.1	296.8	267.7	29.10	10.201		
6,800.0	6,694.2	6,770.6	6,693.1	17.8	15.1	-89.72	-285.0	10.2	296.8	267.4	29.44	10.083		
6,803.0	6,696.2	6,773.5	6,695.2	17.8	15.1	-89.72	-284.9	12.3	296.8	267.4	29.47	10.074		
6,850.0	6,728.0	6,820.5	6,726.9	17.8	15.2	-89.74	-284.5	46.8	296.8	266.9	29.90	9.928		
6,900.0	6,759.1	6,870.4	6,758.1	17.9	15.2	-89.76	-284.1	85.8	296.8	266.3	30.50	9.733		
6,950.0	6,787.5	6,920.3	6,786.5	17.9	15.5	-89.78	-283.6	126.8	296.8	265.6	31.25	9.498		
7,000.0	6,812.9	6,970.2	6,812.0	18.0	16.0	-89.81	-283.1	169.7	296.8	264.7	32.17	9.226		
7,050.0	6,835.2	7,020.2	6,834.4	18.2	16.6	-89.83	-282.6	214.3	296.8	263.6	33.27	8.923		
7,100.0	6,854.4	7,070.1	6,853.7	18.6	17.2	-89.86	-282.0	260.4	296.8	262.3	34.54	8.595		
7,150.0	6,870.3	7,120.1	6,869.7	19.0	18.0	-89.89	-281.5	307.7	296.8	260.9	35.97	8.252		
7,200.0	6,882.9	7,170.0	6,882.4	19.7	18.8	-89.91	-280.9	356.0	296.8	259.3	37.56	7.903		
7,250.0	6,892.0	7,220.0	6,891.7	20.5	19.7	-89.94	-280.3	405.1	296.8	257.6	39.29	7.555		
7,300.0	6,897.7	7,270.0	6,897.6	21.3	20.6	-89.97	-279.8	454.7	296.8	255.7	41.13	7.216		
7,350.0	6,900.0	7,320.0	6,899.9	22.3	21.6	-90.00	-279.2	504.6	296.8	253.8	43.07	6.892		
7,356.9	6,900.0	7,326.9	6,900.0	22.4	21.7	-90.00	-279.1	511.6	296.8	253.5	43.34	6.849		
7,400.0	6,900.0	7,370.0	6,900.0	23.2	22.6	-90.00	-278.6	554.6	296.8	251.7	45.10	6.582		
7,500.0	6,900.0	7,470.0	6,900.0	25.3	24.7	-90.00	-277.4	654.6	296.8	247.5	49.37	6.013		
7,600.0	6,900.0	7,570.0	6,900.0	27.5	27.0	-90.00	-276.2	754.6	296.8	243.0	53.88	5.509		
7,700.0	6,900.0	7,670.0	6,900.0	29.8	29.4	-90.00	-275.1	854.6	296.8	238.3	58.58	5.067		
7,800.0	6,900.0	7,770.0	6,900.0	32.2	31.8	-90.00	-273.9	954.6	296.8	233.4	63.43	4.680		
7,900.0	6,900.0	7,870.0	6,900.0	34.7	34.3	-90.00	-272.7	1,054.6	296.9	228.5	68.40	4.340		
8,000.0	6,900.0	7,970.0	6,900.0	37.2	36.8	-90.00	-271.5	1,154.6	296.9	223.4	73.46	4.041		
8,100.0	6,900.0	8,070.0	6,900.0	39.7	39.4	-90.00	-270.4	1,254.6	296.9	218.3	78.59	3.777		
8,200.0	6,900.0	8,170.0	6,900.0	42.3	42.0	-90.00	-269.2	1,354.6	296.9	213.1	83.78	3.543		
8,300.0	6,900.0	8,270.0	6,900.0	44.9	44.6	-90.00	-268.0	1,454.6	296.9	207.8	89.03	3.334		
8,400.0	6,900.0	8,370.0	6,900.0	47.5	47.2	-90.00	-266.8	1,554.6	296.9	202.5	94.32	3.147		
8,500.0	6,900.0	8,470.0	6,900.0	50.2	49.9	-90.00	-265.7	1,654.6	296.9	197.2	99.64	2.979		

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 D-2N-A
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 D-2N-A	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 43-2N-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		
8,600.0	6,900.0	8,570.0	6,900.0	52.8	52.6	-90.00	-264.5	1,754.6	296.9	191.9	104.99	2.827		
8,700.0	6,900.0	8,670.0	6,900.0	55.5	55.2	-90.00	-263.3	1,854.6	296.9	186.5	110.37	2.690		
8,800.0	6,900.0	8,770.0	6,900.0	58.2	57.9	-90.00	-262.2	1,954.5	296.9	181.1	115.77	2.564		
8,900.0	6,900.0	8,870.0	6,900.0	60.9	60.6	-90.00	-261.0	2,054.5	296.9	175.7	121.19	2.450		
9,000.0	6,900.0	8,970.0	6,900.0	63.6	63.4	-90.00	-259.8	2,154.5	296.9	170.2	126.62	2.344		
9,100.0	6,900.0	9,070.0	6,900.0	66.3	66.1	-90.00	-258.6	2,254.5	296.9	164.8	132.07	2.248		
9,200.0	6,900.0	9,170.0	6,900.0	69.0	68.8	-90.00	-257.5	2,354.5	296.9	159.3	137.54	2.158		
9,300.0	6,900.0	9,270.0	6,900.0	71.7	71.6	-90.00	-256.3	2,454.5	296.9	153.9	143.01	2.076		
9,400.0	6,900.0	9,370.0	6,900.0	74.5	74.3	-90.00	-255.1	2,554.5	296.9	148.4	148.49	1.999		
9,500.0	6,900.0	9,470.0	6,900.0	77.2	77.0	-90.00	-253.9	2,654.5	296.9	142.9	153.99	1.928		
9,600.0	6,900.0	9,570.0	6,900.0	80.0	79.8	-90.00	-252.8	2,754.5	296.9	137.4	159.49	1.861		
9,700.0	6,900.0	9,670.0	6,900.0	82.7	82.5	-90.00	-251.6	2,854.5	296.9	131.9	165.00	1.799		
9,800.0	6,900.0	9,770.0	6,900.0	85.5	85.3	-90.00	-250.4	2,954.5	296.9	126.4	170.51	1.741		
9,900.0	6,900.0	9,870.0	6,900.0	88.2	88.1	-90.00	-249.3	3,054.5	296.9	120.8	176.03	1.686		
10,000.0	6,900.0	9,970.0	6,900.0	91.0	90.8	-90.00	-248.1	3,154.5	296.9	115.3	181.56	1.635		
10,100.0	6,900.0	10,070.0	6,900.0	93.7	93.6	-90.00	-246.9	3,254.5	296.9	109.8	187.09	1.587		
10,200.0	6,900.0	10,170.0	6,900.0	96.5	96.4	-90.00	-245.7	3,354.4	296.9	104.3	192.63	1.541		
10,300.0	6,900.0	10,270.0	6,900.0	99.3	99.1	-90.00	-244.6	3,454.4	296.9	98.7	198.17	1.498 Level 3		
10,400.0	6,900.0	10,370.0	6,900.0	102.0	101.9	-90.00	-243.4	3,554.4	296.9	93.2	203.71	1.457 Level 3		
10,500.0	6,900.0	10,470.0	6,900.0	104.8	104.7	-90.00	-242.2	3,654.4	296.9	87.6	209.26	1.419 Level 3		
10,600.0	6,900.0	10,570.0	6,900.0	107.6	107.4	-90.00	-241.0	3,754.4	296.9	82.1	214.81	1.382 Level 3		
10,700.0	6,900.0	10,670.0	6,900.0	110.3	110.2	-90.00	-239.9	3,854.4	296.9	76.5	220.36	1.347 Level 3		
10,800.0	6,900.0	10,770.0	6,900.0	113.1	113.0	-90.00	-238.7	3,954.4	296.9	71.0	225.92	1.314 Level 3		
10,900.0	6,900.0	10,870.0	6,900.0	115.9	115.8	-90.00	-237.5	4,054.4	296.9	65.4	231.48	1.283 Level 3		
11,000.0	6,900.0	10,970.0	6,900.0	118.7	118.6	-90.00	-236.3	4,154.4	296.9	59.9	237.04	1.253 Level 3		
11,100.0	6,900.0	11,070.0	6,900.0	121.4	121.3	-90.00	-235.2	4,254.4	296.9	54.3	242.60	1.224 Level 2		
11,200.0	6,900.0	11,170.0	6,900.0	124.2	124.1	-90.00	-234.0	4,354.4	296.9	48.7	248.17	1.196 Level 2		
11,300.0	6,900.0	11,270.0	6,900.0	127.0	126.9	-90.00	-232.8	4,454.4	296.9	43.2	253.74	1.170 Level 2		
11,400.0	6,900.0	11,370.0	6,900.0	129.8	129.7	-90.00	-231.7	4,554.4	296.9	37.6	259.30	1.145 Level 2		
11,431.0	6,900.0	11,400.9	6,900.0	130.3	130.6	-90.00	-231.3	4,585.3	296.9	36.2	260.72	1.139 Level 2, SF		

Company:	Synergy Resources	Local Co-ordinate Reference:	Well SRC Vista D-2N-A
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 D-2N-A	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	-180.00	-80.2	0.0	80.2					
100.0	100.0	100.0	100.0	0.1	0.1	-180.00	-80.2	0.0	80.2	79.9	0.22	356.602		
200.0	200.0	200.0	200.0	0.3	0.3	-180.00	-80.2	0.0	80.2	79.5	0.67	118.867		
300.0	300.0	300.0	300.0	0.6	0.6	-180.00	-80.2	0.0	80.2	79.0	1.12	71.320		
400.0	400.0	400.0	400.0	0.8	0.8	-180.00	-80.2	0.0	80.2	78.6	1.57	50.943 CC, ES		
500.0	500.0	497.9	497.9	1.0	1.0	-179.87	-81.4	-0.2	81.4	79.4	1.99	40.854		
600.0	600.0	595.8	595.7	1.2	1.2	-179.50	-85.1	-0.7	85.2	82.8	2.40	35.459		
700.0	700.0	693.3	693.0	1.5	1.4	-178.96	-91.3	-1.7	91.6	88.7	2.83	32.377		
800.0	800.0	790.5	789.8	1.7	1.6	-178.31	-99.9	-2.9	100.4	97.2	3.26	30.768		
900.0	900.0	887.2	885.9	1.9	1.9	-177.63	-110.8	-4.6	111.8	108.1	3.71	30.140		
1,000.0	1,000.0	983.2	981.0	2.1	2.1	-176.97	-124.1	-6.6	125.7	121.6	4.17	30.183		
1,100.0	1,100.0	1,078.5	1,075.0	2.4	2.4	-176.36	-139.6	-8.9	142.1	137.5	4.63	30.698		
1,200.0	1,200.0	1,173.0	1,167.7	2.6	2.8	-175.81	-157.2	-11.5	160.9	155.8	5.10	31.550		
1,300.0	1,300.0	1,266.8	1,259.4	2.8	3.2	-14.34	-177.0	-14.5	180.9	175.5	5.47	33.066		
1,400.0	1,399.9	1,360.1	1,350.0	3.0	3.6	-14.10	-198.9	-17.7	200.9	195.0	5.88	34.143		
1,500.0	1,499.7	1,456.4	1,443.1	3.1	4.1	-14.02	-223.2	-21.4	220.2	213.9	6.32	34.865		
1,600.0	1,599.3	1,554.9	1,538.3	3.3	4.6	-14.10	-248.3	-25.1	237.2	230.5	6.76	35.117		
1,700.0	1,698.6	1,653.9	1,633.9	3.6	5.1	-14.32	-273.5	-28.9	251.8	244.5	7.21	34.908		
1,800.0	1,797.5	1,753.1	1,729.8	3.8	5.6	-14.66	-298.8	-32.7	263.8	256.1	7.68	34.346		
1,823.5	1,820.8	1,776.5	1,752.5	3.9	5.7	-14.76	-304.8	-33.6	266.2	258.4	7.79	34.170		
1,900.0	1,896.2	1,852.6	1,825.9	4.1	6.1	-15.10	-324.1	-36.4	274.0	265.8	8.17	33.556		
2,000.0	1,994.9	1,952.0	1,922.0	4.4	6.6	-15.53	-349.4	-40.2	284.2	275.5	8.66	32.805		
2,100.0	2,093.6	2,051.5	2,018.1	4.7	7.1	-15.92	-374.8	-44.0	294.4	285.2	9.17	32.108		
2,200.0	2,192.2	2,150.9	2,114.2	5.0	7.7	-16.29	-400.1	-47.8	304.6	294.9	9.68	31.462		
2,300.0	2,290.9	2,250.4	2,210.3	5.3	8.2	-16.64	-425.4	-51.6	314.8	304.6	10.20	30.863		
2,400.0	2,389.6	2,349.9	2,306.4	5.6	8.7	-16.96	-450.8	-55.4	325.1	314.3	10.73	30.307		
2,500.0	2,488.2	2,449.3	2,402.6	6.0	9.2	-17.27	-476.1	-59.1	335.3	324.1	11.26	29.790		
2,600.0	2,586.9	2,548.8	2,498.7	6.3	9.8	-17.55	-501.4	-62.9	345.6	333.8	11.79	29.309		
2,700.0	2,685.6	2,648.2	2,594.8	6.7	10.3	-17.82	-526.7	-66.7	355.8	343.5	12.33	28.861		
2,800.0	2,784.3	2,747.7	2,690.9	7.0	10.8	-18.08	-552.1	-70.5	366.1	353.2	12.87	28.442		
2,900.0	2,882.9	2,847.1	2,787.0	7.4	11.4	-18.32	-577.4	-74.3	376.4	363.0	13.42	28.051		
3,000.0	2,981.6	2,946.6	2,883.1	7.7	11.9	-18.55	-602.7	-78.1	386.7	372.7	13.97	27.685		
3,100.0	3,080.3	3,046.1	2,979.2	8.1	12.4	-18.76	-628.1	-81.8	397.0	382.4	14.52	27.341		
3,200.0	3,178.9	3,145.5	3,075.3	8.4	13.0	-18.97	-653.4	-85.6	407.3	392.2	15.07	27.018		
3,300.0	3,277.6	3,245.0	3,171.4	8.8	13.5	-19.16	-678.7	-89.4	417.6	401.9	15.63	26.715		
3,400.0	3,376.3	3,344.4	3,267.5	9.2	14.0	-19.35	-704.0	-93.2	427.9	411.7	16.19	26.429		
3,500.0	3,474.9	3,443.9	3,363.6	9.5	14.6	-19.52	-729.4	-97.0	438.2	421.4	16.75	26.159		
3,600.0	3,573.6	3,543.4	3,459.7	9.9	15.1	-19.69	-754.7	-100.8	448.5	431.2	17.31	25.905		
3,700.0	3,672.3	3,642.8	3,555.8	10.3	15.6	-19.85	-780.0	-104.5	458.8	440.9	17.88	25.664		
3,800.0	3,771.0	3,742.3	3,651.9	10.7	16.2	-20.01	-805.3	-108.3	469.1	450.7	18.44	25.435		
3,900.0	3,869.6	3,841.7	3,748.0	11.0	16.7	-20.16	-830.7	-112.1	479.5	460.4	19.01	25.219		
4,000.0	3,968.3	3,941.2	3,844.1	11.4	17.2	-20.30	-856.0	-115.9	489.8	470.2	19.58	25.013		
4,100.0	4,067.0	4,040.6	3,940.2	11.8	17.8	-20.43	-881.3	-119.7	500.1	480.0	20.15	24.818		
4,200.0	4,165.6	4,140.1	4,036.3	12.2	18.3	-20.56	-906.7	-123.5	510.4	489.7	20.72	24.632		
4,300.0	4,264.3	4,239.6	4,132.4	12.5	18.8	-20.69	-932.0	-127.2	520.8	499.5	21.30	24.455		
4,400.0	4,363.0	4,339.0	4,228.5	12.9	19.4	-20.81	-957.3	-131.0	531.1	509.2	21.87	24.286		
4,500.0	4,461.7	4,438.5	4,324.7	13.3	19.9	-20.92	-982.6	-134.8	541.5	519.0	22.44	24.124		
4,600.0	4,560.3	4,537.9	4,420.8	13.7	20.5	-21.03	-1,008.0	-138.6	551.8	528.8	23.02	23.970		
4,700.0	4,659.0	4,637.4	4,516.9	14.0	21.0	-21.14	-1,033.3	-142.4	562.1	538.5	23.60	23.823		
4,800.0	4,757.7	4,736.9	4,613.0	14.4	21.5	-21.24	-1,058.6	-146.2	572.5	548.3	24.17	23.682		
4,900.0	4,856.3	4,836.3	4,709.1	14.8	22.1	-21.34	-1,083.9	-149.9	582.8	558.1	24.75	23.546		
5,000.0	4,955.0	4,935.8	4,805.2	15.2	22.6	-21.44	-1,109.3	-153.7	593.2	567.8	25.33	23.417		

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 D-2N-A
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 D-2N-A	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		
5,079.0	5,032.9	5,014.3	4,881.1	15.5	23.0	-21.51	-1,129.3	-156.7	601.4	575.6	25.79	23.318		
5,100.0	5,053.7	5,035.2	4,901.3	15.5	23.1	-21.54	-1,134.6	-157.5	603.6	577.7	25.90	23.302		
5,200.0	5,152.7	5,134.4	4,997.1	15.8	23.7	-21.64	-1,159.9	-161.3	616.2	589.8	26.39	23.347		
5,300.0	5,252.2	5,233.1	5,092.5	16.0	24.2	-21.65	-1,185.0	-165.0	632.1	605.3	26.83	23.556		
5,400.0	5,351.9	5,331.3	5,187.3	16.2	24.7	-21.57	-1,210.0	-168.8	651.1	623.9	27.22	23.922		
5,500.0	5,451.9	5,428.7	5,281.5	16.4	25.3	-21.41	-1,234.8	-172.5	673.4	645.8	27.55	24.442		
5,546.6	5,498.5	5,473.8	5,325.1	16.5	25.5	177.67	-1,246.3	-174.2	684.9	643.6	41.23	16.610		
5,600.0	5,551.9	5,525.4	5,374.9	16.5	25.8	177.88	-1,259.4	-176.2	698.4	656.8	41.61	16.785		
5,700.0	5,651.9	5,622.0	5,468.3	16.7	26.3	178.26	-1,284.0	-179.8	723.7	681.4	42.30	17.111		
5,800.0	5,751.9	5,718.7	5,561.7	16.8	26.8	178.61	-1,308.6	-183.5	749.1	706.1	42.98	17.427		
5,900.0	5,851.9	5,850.1	5,689.4	16.9	27.3	179.01	-1,339.3	-188.1	772.3	728.7	43.68	17.682		
6,000.0	5,951.9	5,984.5	5,821.3	17.1	27.8	179.32	-1,364.5	-191.9	791.1	746.9	44.25	17.878		
6,100.0	6,051.9	6,121.1	5,956.5	17.2	28.1	179.54	-1,383.9	-194.7	805.3	760.6	44.75	17.995		
6,200.0	6,151.9	6,259.2	6,094.0	17.4	28.4	179.69	-1,397.0	-196.7	814.8	769.6	45.18	18.036		
6,231.9	6,183.8	6,303.5	6,138.2	17.4	28.4	179.72	-1,399.8	-197.1	816.8	771.5	45.30	18.032		
6,250.0	6,201.9	6,328.7	6,163.3	17.4	28.5	90.35	-1,401.1	-197.3	817.7	787.1	30.64	26.687		
6,300.0	6,251.8	6,398.2	6,232.8	17.5	28.5	90.53	-1,403.6	-197.7	819.5	788.7	30.81	26.603		
6,350.0	6,301.3	6,466.8	6,301.3	17.6	28.6	91.10	-1,404.4	-197.8	820.2	789.3	30.90	26.543		
6,400.0	6,350.3	6,515.8	6,350.3	17.6	28.7	91.76	-1,404.4	-197.8	820.4	789.5	30.94	26.521		
6,450.0	6,398.5	6,563.9	6,398.5	17.6	28.7	92.61	-1,404.4	-197.8	821.0	790.0	30.93	26.540		
6,500.0	6,445.7	6,611.1	6,445.7	17.7	28.7	93.63	-1,404.4	-197.8	821.9	791.0	30.91	26.593		
6,550.0	6,491.5	6,656.9	6,491.5	17.7	28.8	94.77	-1,404.4	-197.8	823.5	792.7	30.87	26.675		
6,600.0	6,535.9	6,706.4	6,541.0	17.7	28.8	96.11	-1,404.3	-196.8	825.9	795.0	30.83	26.786		
6,650.0	6,578.5	6,759.3	6,593.6	17.7	28.9	97.49	-1,404.3	-192.1	828.8	798.0	30.80	26.906		
6,700.0	6,619.3	6,814.3	6,647.9	17.7	28.9	98.87	-1,404.2	-183.2	832.3	801.5	30.79	27.029		
6,750.0	6,657.9	6,871.6	6,703.5	17.8	28.9	100.24	-1,404.0	-169.4	836.2	805.4	30.80	27.146		
6,800.0	6,694.2	6,931.6	6,760.3	17.8	29.0	101.59	-1,403.8	-150.3	840.6	809.7	30.85	27.249		
6,850.0	6,728.0	6,994.4	6,817.9	17.8	29.0	102.92	-1,403.5	-125.2	845.3	814.4	30.93	27.326		
6,900.0	6,759.1	7,060.2	6,875.7	17.9	29.0	104.23	-1,403.1	-93.7	850.2	819.1	31.08	27.359		
6,950.0	6,787.5	7,129.3	6,932.9	17.9	29.0	105.48	-1,402.7	-55.0	855.2	823.9	31.29	27.329		
7,000.0	6,812.9	7,201.8	6,988.7	18.0	29.0	106.68	-1,402.1	-8.7	860.2	828.5	31.61	27.214		
7,050.0	6,835.2	7,277.8	7,041.7	18.2	29.0	107.80	-1,401.5	45.6	864.9	832.8	32.05	26.982		
7,100.0	6,854.4	7,357.2	7,090.8	18.6	29.1	108.81	-1,400.8	108.0	869.3	836.6	32.71	26.573		
7,150.0	6,870.3	7,439.9	7,134.1	19.0	29.2	109.69	-1,399.9	178.3	873.1	839.5	33.60	25.986		
7,200.0	6,882.9	7,525.4	7,170.1	19.7	29.3	110.40	-1,399.0	255.8	876.2	841.5	34.77	25.199		
7,250.0	6,892.0	7,613.3	7,197.3	20.5	29.6	110.93	-1,398.1	339.4	878.5	842.3	36.25	24.234		
7,300.0	6,897.7	7,702.8	7,214.2	21.3	30.0	111.24	-1,397.0	427.2	879.9	841.9	38.04	23.131		
7,350.0	6,900.0	7,793.1	7,220.0	22.3	30.5	111.32	-1,396.0	517.2	880.3	840.2	40.11	21.944		
7,356.9	6,900.0	7,800.5	7,220.0	22.4	30.6	111.32	-1,395.9	524.7	880.3	839.9	40.33	21.826		
7,400.0	6,900.0	7,843.6	7,220.0	23.2	30.9	111.32	-1,395.4	567.7	880.3	838.3	41.93	20.992		
7,500.0	6,900.0	7,943.6	7,220.0	25.3	32.0	111.32	-1,394.2	667.7	880.3	834.4	45.82	19.211		
7,600.0	6,900.0	8,043.6	7,220.0	27.5	33.3	111.32	-1,393.0	767.7	880.3	830.3	49.96	17.619		
7,700.0	6,900.0	8,143.6	7,220.0	29.8	34.9	111.32	-1,391.9	867.7	880.3	826.0	54.29	16.213		
7,800.0	6,900.0	8,243.6	7,220.0	32.2	36.7	111.32	-1,390.7	967.7	880.3	821.5	58.78	14.976		
7,900.0	6,900.0	8,343.6	7,220.0	34.7	38.7	111.32	-1,389.5	1,067.7	880.3	816.9	63.38	13.889		
8,000.0	6,900.0	8,443.6	7,220.0	37.2	40.8	111.32	-1,388.4	1,167.7	880.3	812.2	68.08	12.930		
8,100.0	6,900.0	8,543.6	7,220.0	39.7	43.1	111.32	-1,387.2	1,267.7	880.3	807.4	72.85	12.083		
8,200.0	6,900.0	8,643.6	7,220.0	42.3	45.4	111.32	-1,386.0	1,367.7	880.3	802.6	77.69	11.331		
8,300.0	6,900.0	8,743.6	7,220.0	44.9	47.8	111.32	-1,384.8	1,467.7	880.3	797.7	82.58	10.660		
8,400.0	6,900.0	8,843.6	7,220.0	47.5	50.2	111.32	-1,383.7	1,567.7	880.3	792.8	87.51	10.059		
8,500.0	6,900.0	8,943.6	7,220.0	50.2	52.7	111.32	-1,382.5	1,667.7	880.3	787.8	92.47	9.519		
8,600.0	6,900.0	9,043.6	7,220.0	52.8	55.2	111.32	-1,381.3	1,767.6	880.3	782.8	97.47	9.031		

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 D-2N-A
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 D-2N-A	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 44-2C - 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	6,900.0	9,143.6	7,220.0	55.5	57.8	111.32	-1,380.1	1,867.6	880.3	777.8	102.49	8.589		
8,800.0	6,900.0	9,243.6	7,220.0	58.2	60.3	111.32	-1,379.0	1,967.6	880.3	772.7	107.54	8.186		
8,900.0	6,900.0	9,343.6	7,220.0	60.9	62.9	111.32	-1,377.8	2,067.6	880.3	767.7	112.60	7.817		
9,000.0	6,900.0	9,443.6	7,220.0	63.6	65.5	111.32	-1,376.6	2,167.6	880.3	762.6	117.68	7.480		
9,100.0	6,900.0	9,543.6	7,220.0	66.3	68.2	111.32	-1,375.5	2,267.6	880.3	757.5	122.78	7.169		
9,200.0	6,900.0	9,643.6	7,220.0	69.0	70.8	111.32	-1,374.3	2,367.6	880.3	752.4	127.89	6.883		
9,300.0	6,900.0	9,743.6	7,220.0	71.7	73.5	111.32	-1,373.1	2,467.6	880.3	747.2	133.01	6.618		
9,400.0	6,900.0	9,843.6	7,220.0	74.5	76.1	111.32	-1,371.9	2,567.6	880.3	742.1	138.14	6.372		
9,500.0	6,900.0	9,943.6	7,220.0	77.2	78.8	111.32	-1,370.8	2,667.6	880.3	737.0	143.28	6.144		
9,600.0	6,900.0	10,043.6	7,220.0	80.0	81.5	111.32	-1,369.6	2,767.6	880.3	731.8	148.43	5.931		
9,700.0	6,900.0	10,143.6	7,220.0	82.7	84.2	111.32	-1,368.4	2,867.6	880.3	726.7	153.58	5.731		
9,800.0	6,900.0	10,243.6	7,220.0	85.5	86.9	111.32	-1,367.3	2,967.6	880.3	721.5	158.75	5.545		
9,900.0	6,900.0	10,343.6	7,220.0	88.2	89.6	111.32	-1,366.1	3,067.6	880.3	716.3	163.91	5.370		
10,000.0	6,900.0	10,443.6	7,220.0	91.0	92.3	111.32	-1,364.9	3,167.6	880.3	711.2	169.09	5.206		
10,100.0	6,900.0	10,543.6	7,220.0	93.7	95.0	111.32	-1,363.7	3,267.5	880.3	706.0	174.27	5.051		
10,200.0	6,900.0	10,643.6	7,220.0	96.5	97.8	111.32	-1,362.6	3,367.5	880.3	700.8	179.45	4.905		
10,300.0	6,900.0	10,743.6	7,220.0	99.3	100.5	111.32	-1,361.4	3,467.5	880.3	695.6	184.64	4.768		
10,400.0	6,900.0	10,843.6	7,220.0	102.0	103.2	111.32	-1,360.2	3,567.5	880.3	690.4	189.83	4.637		
10,500.0	6,900.0	10,943.6	7,220.0	104.8	106.0	111.32	-1,359.1	3,667.5	880.3	685.2	195.02	4.514		
10,600.0	6,900.0	11,043.6	7,220.0	107.6	108.7	111.32	-1,357.9	3,767.5	880.3	680.0	200.22	4.396		
10,700.0	6,900.0	11,143.6	7,220.0	110.3	111.4	111.32	-1,356.7	3,867.5	880.3	674.8	205.42	4.285		
10,800.0	6,900.0	11,243.6	7,220.0	113.1	114.2	111.32	-1,355.5	3,967.5	880.3	669.6	210.62	4.179		
10,900.0	6,900.0	11,343.6	7,220.0	115.9	116.9	111.32	-1,354.4	4,067.5	880.3	664.4	215.83	4.078		
11,000.0	6,900.0	11,443.6	7,220.0	118.7	119.7	111.32	-1,353.2	4,167.5	880.3	659.2	221.04	3.982		
11,100.0	6,900.0	11,543.6	7,220.0	121.4	122.4	111.32	-1,352.0	4,267.5	880.3	654.0	226.25	3.891		
11,200.0	6,900.0	11,643.6	7,220.0	124.2	125.2	111.32	-1,350.9	4,367.5	880.3	648.8	231.46	3.803		
11,300.0	6,900.0	11,743.6	7,220.0	127.0	128.0	111.32	-1,349.7	4,467.5	880.3	643.6	236.68	3.719		
11,400.0	6,900.0	11,843.6	7,220.0	129.8	130.7	111.32	-1,348.5	4,567.5	880.3	638.4	241.89	3.639		
11,422.7	6,900.0	11,866.3	7,220.0	130.2	131.3	111.32	-1,348.2	4,590.2	880.3	637.4	242.87	3.624		
11,431.0	6,900.0	11,867.6	7,220.0	130.3	131.4	111.32	-1,348.2	4,591.5	880.3	637.2	243.04	3.622 SF		

Company:	Synergy Resources	Local Co-ordinate Reference:	Well SRC Vista D-2N-A
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 D-2N-A	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	179.73	-60.1	0.3	60.1					
100.0	100.0	100.0	100.0	0.1	0.1	179.73	-60.1	0.3	60.1	59.9	0.22	267.477		
200.0	200.0	200.0	200.0	0.3	0.3	179.73	-60.1	0.3	60.1	59.4	0.67	89.159		
300.0	300.0	300.0	300.0	0.6	0.6	179.73	-60.1	0.3	60.1	59.0	1.12	53.495		
400.0	400.0	400.0	400.0	0.8	0.8	179.73	-60.1	0.3	60.1	58.5	1.57	38.211		
500.0	500.0	500.0	500.0	1.0	1.0	179.73	-60.1	0.3	60.1	58.1	2.02	29.720		
600.0	600.0	600.0	600.0	1.2	1.2	179.73	-60.1	0.3	60.1	57.6	2.47	24.316 CC, ES		
700.0	700.0	698.5	698.4	1.5	1.4	179.95	-61.4	0.1	61.4	58.5	2.89	21.228		
800.0	800.0	796.8	796.7	1.7	1.6	-179.47	-65.1	-0.6	65.2	61.9	3.30	19.774		
900.0	900.0	894.8	894.5	1.9	1.8	-178.63	-71.3	-1.7	71.5	67.8	3.71	19.264		
1,000.0	1,000.0	992.5	991.8	2.1	2.0	-177.69	-80.0	-3.2	80.4	76.3	4.14	19.422		
1,100.0	1,100.0	1,089.7	1,088.3	2.4	2.3	-176.74	-91.0	-5.2	91.9	87.3	4.58	20.063		
1,200.0	1,200.0	1,186.2	1,183.9	2.6	2.5	-175.86	-104.3	-7.5	105.8	100.8	5.03	21.058		
1,300.0	1,300.0	1,282.2	1,278.6	2.8	2.8	-14.17	-119.9	-10.3	121.0	115.6	5.42	22.339		
1,400.0	1,399.9	1,377.8	1,372.5	3.0	3.2	-13.80	-137.8	-13.5	136.2	130.4	5.81	23.432		
1,500.0	1,499.7	1,473.1	1,465.5	3.1	3.5	-13.65	-158.0	-17.0	151.3	145.1	6.22	24.327		
1,600.0	1,599.3	1,568.0	1,557.7	3.3	3.9	-13.65	-180.3	-21.0	166.4	159.7	6.64	25.057		
1,700.0	1,698.6	1,666.3	1,652.8	3.6	4.4	-13.81	-204.9	-25.3	180.5	173.4	7.08	25.504		
1,800.0	1,797.5	1,765.6	1,748.8	3.8	4.9	-14.13	-229.8	-29.7	192.2	184.7	7.53	25.525		
1,823.5	1,820.8	1,789.0	1,771.4	3.9	5.0	-14.23	-235.7	-30.8	194.6	186.9	7.64	25.475		
1,900.0	1,896.2	1,865.1	1,845.0	4.1	5.4	-14.58	-254.8	-34.2	202.1	194.1	8.00	25.249		
2,000.0	1,994.9	1,964.6	1,941.2	4.4	5.9	-14.99	-279.7	-38.6	211.9	203.4	8.49	24.958		
2,100.0	2,093.6	2,064.1	2,037.4	4.7	6.4	-15.37	-304.7	-43.0	221.8	212.8	8.99	24.674		
2,200.0	2,192.2	2,163.6	2,133.7	5.0	6.9	-15.72	-329.7	-47.4	231.6	222.1	9.49	24.401		
2,300.0	2,290.9	2,263.1	2,229.9	5.3	7.4	-16.04	-354.6	-51.8	241.5	231.5	10.00	24.139		
2,400.0	2,389.6	2,362.6	2,326.1	5.6	7.9	-16.34	-379.6	-56.2	251.3	240.8	10.52	23.889		
2,500.0	2,488.2	2,462.1	2,422.3	6.0	8.4	-16.61	-404.6	-60.7	261.2	250.2	11.04	23.651		
2,600.0	2,586.9	2,561.7	2,518.5	6.3	8.9	-16.86	-429.5	-65.1	271.1	259.5	11.57	23.426		
2,700.0	2,685.6	2,661.2	2,614.8	6.7	9.5	-17.10	-454.5	-69.5	281.0	268.9	12.10	23.212		
2,800.0	2,784.3	2,760.7	2,711.0	7.0	10.0	-17.32	-479.5	-73.9	290.8	278.2	12.64	23.010		
2,900.0	2,882.9	2,860.2	2,807.2	7.4	10.5	-17.52	-504.4	-78.3	300.7	287.6	13.18	22.818		
3,000.0	2,981.6	2,959.7	2,903.4	7.7	11.0	-17.71	-529.4	-82.8	310.6	296.9	13.72	22.637		
3,100.0	3,080.3	3,059.2	2,999.6	8.1	11.5	-17.89	-554.4	-87.2	320.5	306.3	14.27	22.465		
3,200.0	3,178.9	3,158.7	3,095.9	8.4	12.1	-18.06	-579.3	-91.6	330.4	315.6	14.82	22.303		
3,300.0	3,277.6	3,258.2	3,192.1	8.8	12.6	-18.22	-604.3	-96.0	340.3	325.0	15.37	22.149		
3,400.0	3,376.3	3,357.7	3,288.3	9.2	13.1	-18.37	-629.3	-100.4	350.2	334.3	15.92	22.002		
3,500.0	3,474.9	3,457.2	3,384.5	9.5	13.7	-18.51	-654.2	-104.8	360.1	343.7	16.47	21.863		
3,600.0	3,573.6	3,556.7	3,480.7	9.9	14.2	-18.65	-679.2	-109.3	370.0	353.0	17.03	21.731		
3,700.0	3,672.3	3,656.2	3,576.9	10.3	14.7	-18.77	-704.2	-113.7	380.0	362.4	17.59	21.606		
3,800.0	3,771.0	3,755.7	3,673.2	10.7	15.2	-18.89	-729.1	-118.1	389.9	371.7	18.15	21.486		
3,900.0	3,869.6	3,855.2	3,769.4	11.0	15.8	-19.01	-754.1	-122.5	399.8	381.1	18.71	21.372		
4,000.0	3,968.3	3,954.7	3,865.6	11.4	16.3	-19.12	-779.1	-126.9	409.7	390.4	19.27	21.264		
4,100.0	4,067.0	4,054.2	3,961.8	11.8	16.8	-19.22	-804.0	-131.3	419.6	399.8	19.83	21.160		
4,200.0	4,165.6	4,153.7	4,058.0	12.2	17.4	-19.32	-829.0	-135.8	429.5	409.1	20.39	21.061		
4,300.0	4,264.3	4,253.2	4,154.3	12.5	17.9	-19.42	-854.0	-140.2	439.5	418.5	20.96	20.967		
4,400.0	4,363.0	4,352.7	4,250.5	12.9	18.4	-19.51	-878.9	-144.6	449.4	427.9	21.53	20.876		
4,500.0	4,461.7	4,452.2	4,346.7	13.3	18.9	-19.59	-903.9	-149.0	459.3	437.2	22.09	20.790		
4,600.0	4,560.3	4,551.7	4,442.9	13.7	19.5	-19.68	-928.9	-153.4	469.2	446.6	22.66	20.707		
4,700.0	4,659.0	4,651.2	4,539.1	14.0	20.0	-19.76	-953.8	-157.8	479.1	455.9	23.23	20.627		
4,800.0	4,757.7	4,750.7	4,635.4	14.4	20.5	-19.83	-978.8	-162.3	489.1	465.3	23.80	20.551		
4,900.0	4,856.3	4,850.2	4,731.6	14.8	21.1	-19.91	-1,003.8	-166.7	499.0	474.6	24.37	20.478		
5,000.0	4,955.0	4,949.8	4,827.8	15.2	21.6	-19.98	-1,028.7	-171.1	508.9	484.0	24.94	20.407		

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 D-2N-A
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 D-2N-A	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		
5,079.0	5,032.9	5,028.3	4,903.8	15.5	22.0	-20.03	-1,048.5	-174.6	516.8	491.4	25.39	20.353		
5,100.0	5,053.7	5,049.2	4,924.0	15.5	22.1	-20.06	-1,053.7	-175.5	518.9	493.4	25.50	20.348		
5,200.0	5,152.7	5,148.5	5,020.0	15.8	22.7	-20.11	-1,078.6	-179.9	531.2	505.2	25.99	20.437		
5,300.0	5,252.2	5,258.5	5,126.5	16.0	23.1	-20.06	-1,105.6	-184.7	546.2	519.7	26.43	20.666		
5,400.0	5,351.9	5,380.5	5,245.7	16.2	23.6	-19.93	-1,131.3	-189.2	560.8	534.0	26.81	20.919		
5,500.0	5,451.9	5,503.5	5,366.8	16.4	23.9	-19.76	-1,152.1	-192.9	574.6	547.4	27.13	21.181		
5,546.6	5,498.5	5,561.1	5,423.9	16.5	24.0	179.33	-1,160.1	-194.3	580.7	540.8	39.87	14.562		
5,600.0	5,551.9	5,627.4	5,489.7	16.5	24.2	179.47	-1,167.9	-195.7	586.9	546.8	40.12	14.630		
5,700.0	5,651.9	5,752.4	5,614.2	16.7	24.4	179.66	-1,178.5	-197.6	595.4	554.9	40.50	14.699		
5,800.0	5,751.9	5,878.1	5,739.8	16.8	24.6	179.75	-1,183.7	-198.5	599.6	558.7	40.83	14.686		
5,900.0	5,851.9	5,990.2	5,851.9	16.9	24.7	179.76	-1,184.3	-198.6	600.0	558.9	41.09	14.603		
6,000.0	5,951.9	6,090.2	5,951.9	17.1	24.8	179.76	-1,184.3	-198.6	600.0	558.7	41.32	14.520		
6,100.0	6,051.9	6,190.2	6,051.9	17.2	24.9	179.76	-1,184.3	-198.6	600.0	558.5	41.56	14.437		
6,200.0	6,151.9	6,290.2	6,151.9	17.4	25.0	179.76	-1,184.3	-198.6	600.0	558.2	41.80	14.354		
6,231.9	6,183.8	6,322.1	6,183.8	17.4	25.0	179.76	-1,184.3	-198.6	600.0	558.1	41.88	14.328		
6,250.0	6,201.9	6,340.3	6,202.0	17.4	25.1	90.43	-1,184.3	-198.4	600.0	570.3	29.76	20.160		
6,300.0	6,251.8	6,390.6	6,252.2	17.5	25.1	90.43	-1,184.3	-195.3	600.0	570.1	29.91	20.062		
6,350.0	6,301.3	6,440.9	6,302.1	17.6	25.1	90.43	-1,184.2	-188.8	600.0	570.0	30.03	19.983		
6,400.0	6,350.3	6,491.2	6,351.4	17.6	25.2	90.42	-1,184.1	-178.7	600.0	569.9	30.12	19.920		
6,450.0	6,398.5	6,541.6	6,399.8	17.6	25.2	90.41	-1,183.9	-165.3	600.0	569.8	30.20	19.872		
6,500.0	6,445.7	6,591.9	6,447.2	17.7	25.2	90.40	-1,183.7	-148.4	600.0	569.8	30.26	19.831		
6,550.0	6,491.5	6,642.1	6,493.3	17.7	25.2	90.39	-1,183.5	-128.3	600.0	569.7	30.32	19.792		
6,600.0	6,535.9	6,692.4	6,537.8	17.7	25.2	90.38	-1,183.2	-105.0	600.0	569.6	30.39	19.746		
6,650.0	6,578.5	6,742.7	6,580.6	17.7	25.2	90.36	-1,182.9	-78.6	600.0	569.5	30.48	19.683		
6,700.0	6,619.3	6,793.0	6,621.5	17.7	25.3	90.34	-1,182.6	-49.3	600.0	569.4	30.63	19.590		
6,750.0	6,657.9	6,843.2	6,660.1	17.8	25.3	90.33	-1,182.2	-17.3	600.0	569.2	30.84	19.456		
6,800.0	6,694.2	6,893.4	6,696.4	17.8	25.3	90.30	-1,181.8	17.4	600.0	568.9	31.14	19.269		
6,850.0	6,728.0	6,943.7	6,730.2	17.8	25.3	90.28	-1,181.4	54.6	600.0	568.5	31.55	19.016		
6,900.0	6,759.1	6,993.9	6,761.3	17.9	25.3	90.26	-1,180.9	94.0	600.0	567.9	32.10	18.693		
6,950.0	6,787.5	7,044.0	6,789.5	17.9	25.4	90.23	-1,180.4	135.4	600.0	567.2	32.79	18.296		
7,000.0	6,812.9	7,094.2	6,814.8	18.0	25.5	90.21	-1,179.9	178.7	600.0	566.4	33.66	17.828		
7,050.0	6,835.2	7,144.3	6,836.9	18.2	25.6	90.18	-1,179.4	223.7	600.0	565.3	34.69	17.297		
7,100.0	6,854.4	7,194.5	6,855.9	18.6	25.7	90.15	-1,178.8	270.1	600.0	564.1	35.89	16.716		
7,150.0	6,870.3	7,244.6	6,871.5	19.0	25.9	90.12	-1,178.3	317.7	600.0	562.7	37.27	16.101		
7,200.0	6,882.9	7,294.6	6,883.8	19.7	26.1	90.09	-1,177.7	366.2	600.0	561.2	38.79	15.466		
7,250.0	6,892.0	7,344.7	6,892.7	20.5	26.4	90.06	-1,177.1	415.5	600.0	559.5	40.46	14.829		
7,300.0	6,897.7	7,394.7	6,898.1	21.3	26.8	90.03	-1,176.5	465.2	600.0	557.8	42.25	14.201		
7,350.0	6,900.0	7,444.7	6,900.0	22.3	27.2	90.00	-1,176.0	515.2	600.0	555.9	44.14	13.594		
7,356.9	6,900.0	7,451.7	6,900.0	22.4	27.3	90.00	-1,175.9	522.1	600.0	555.6	44.40	13.512		
7,400.0	6,900.0	7,494.7	6,900.0	23.2	27.8	90.00	-1,175.4	565.2	600.0	553.9	46.11	13.014		
7,500.0	6,900.0	7,594.7	6,900.0	25.3	29.1	90.00	-1,174.2	665.1	600.0	549.7	50.28	11.932		
7,600.0	6,900.0	7,694.7	6,900.0	27.5	30.8	90.00	-1,173.0	765.1	600.0	545.3	54.72	10.966		
7,700.0	6,900.0	7,794.7	6,900.0	29.8	32.7	90.00	-1,171.9	865.1	600.0	540.7	59.35	10.110		
7,800.0	6,900.0	7,894.7	6,900.0	32.2	34.7	90.00	-1,170.7	965.1	600.0	535.9	64.13	9.356		
7,900.0	6,900.0	7,994.7	6,900.0	34.7	36.9	90.00	-1,169.5	1,065.1	600.0	531.0	69.04	8.690		
8,000.0	6,900.0	8,094.7	6,900.0	37.2	39.2	90.00	-1,168.3	1,165.1	600.0	525.9	74.06	8.102		
8,100.0	6,900.0	8,194.7	6,900.0	39.7	41.6	90.00	-1,167.2	1,265.1	600.0	520.9	79.15	7.581		
8,200.0	6,900.0	8,294.7	6,900.0	42.3	44.1	90.00	-1,166.0	1,365.1	600.0	515.7	84.30	7.117		
8,300.0	6,900.0	8,394.7	6,900.0	44.9	46.5	90.00	-1,164.8	1,465.1	600.0	510.5	89.51	6.703		
8,400.0	6,900.0	8,494.7	6,900.0	47.5	49.1	90.00	-1,163.6	1,565.1	600.0	505.2	94.77	6.331		
8,500.0	6,900.0	8,594.7	6,900.0	50.2	51.6	90.00	-1,162.5	1,665.1	600.0	499.9	100.07	5.996		
8,600.0	6,900.0	8,694.7	6,900.0	52.8	54.2	90.00	-1,161.3	1,765.1	600.0	494.6	105.39	5.693		

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 D-2N-A
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 D-2N-A	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
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Semi Major Axis Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning	
8,700.0	6,900.0	8,794.7	6,900.0	55.5	56.8	90.00	-1,160.1	1,865.1	600.0	489.3	110.75	5.418		
8,800.0	6,900.0	8,894.7	6,900.0	58.2	59.4	90.00	-1,159.0	1,965.1	600.0	483.9	116.13	5.167		
8,900.0	6,900.0	8,994.7	6,900.0	60.9	62.1	90.00	-1,157.8	2,065.1	600.0	478.5	121.53	4.937		
9,000.0	6,900.0	9,094.7	6,900.0	63.6	64.7	90.00	-1,156.6	2,165.0	600.0	473.1	126.94	4.726		
9,100.0	6,900.0	9,194.7	6,900.0	66.3	67.4	90.00	-1,155.4	2,265.0	600.0	467.6	132.38	4.532		
9,200.0	6,900.0	9,294.7	6,900.0	69.0	70.0	90.00	-1,154.3	2,365.0	600.0	462.2	137.83	4.353		
9,300.0	6,900.0	9,394.7	6,900.0	71.7	72.7	90.00	-1,153.1	2,465.0	600.0	456.7	143.29	4.187		
9,400.0	6,900.0	9,494.7	6,900.0	74.5	75.4	90.00	-1,151.9	2,565.0	600.0	451.2	148.76	4.033		
9,500.0	6,900.0	9,594.7	6,900.0	77.2	78.1	90.00	-1,150.8	2,665.0	600.0	445.8	154.24	3.890		
9,600.0	6,900.0	9,694.7	6,900.0	80.0	80.8	90.00	-1,149.6	2,765.0	600.0	440.3	159.73	3.756		
9,700.0	6,900.0	9,794.7	6,900.0	82.7	83.6	90.00	-1,148.4	2,865.0	600.0	434.8	165.23	3.631		
9,800.0	6,900.0	9,894.7	6,900.0	85.5	86.3	90.00	-1,147.2	2,965.0	600.0	429.3	170.73	3.514		
9,900.0	6,900.0	9,994.7	6,900.0	88.2	89.0	90.00	-1,146.1	3,065.0	600.0	423.8	176.25	3.404		
10,000.0	6,900.0	10,094.7	6,900.0	91.0	91.7	90.00	-1,144.9	3,165.0	600.0	418.2	181.76	3.301		
10,100.0	6,900.0	10,194.7	6,900.0	93.7	94.5	90.00	-1,143.7	3,265.0	600.0	412.7	187.29	3.204		
10,200.0	6,900.0	10,294.7	6,900.0	96.5	97.2	90.00	-1,142.6	3,365.0	600.0	407.2	192.82	3.112		
10,300.0	6,900.0	10,394.7	6,900.0	99.3	100.0	90.00	-1,141.4	3,465.0	600.0	401.7	198.35	3.025		
10,400.0	6,900.0	10,494.7	6,900.0	102.0	102.7	90.00	-1,140.2	3,564.9	600.0	396.1	203.89	2.943		
10,500.0	6,900.0	10,594.7	6,900.0	104.8	105.5	90.00	-1,139.0	3,664.9	600.0	390.6	209.43	2.865		
10,600.0	6,900.0	10,694.7	6,900.0	107.6	108.2	90.00	-1,137.9	3,764.9	600.0	385.0	214.97	2.791		
10,700.0	6,900.0	10,794.7	6,900.0	110.3	111.0	90.00	-1,136.7	3,864.9	600.0	379.5	220.52	2.721		
10,800.0	6,900.0	10,894.7	6,900.0	113.1	113.7	90.00	-1,135.5	3,964.9	600.0	373.9	226.07	2.654		
10,900.0	6,900.0	10,994.7	6,900.0	115.9	116.5	90.00	-1,134.4	4,064.9	600.0	368.4	231.62	2.590		
11,000.0	6,900.0	11,094.7	6,900.0	118.7	119.2	90.00	-1,133.2	4,164.9	600.0	362.8	237.18	2.530		
11,100.0	6,900.0	11,194.7	6,900.0	121.4	122.0	90.00	-1,132.0	4,264.9	600.0	357.3	242.74	2.472		
11,200.0	6,900.0	11,294.7	6,900.0	124.2	124.8	90.00	-1,130.8	4,364.9	600.0	351.7	248.30	2.416		
11,300.0	6,900.0	11,394.7	6,900.0	127.0	127.5	90.00	-1,129.7	4,464.9	600.0	346.1	253.86	2.363		
11,400.0	6,900.0	11,494.7	6,900.0	129.8	130.3	90.00	-1,128.5	4,564.9	600.0	340.6	259.43	2.313		
11,423.7	6,900.0	11,518.5	6,900.0	130.2	131.0	90.00	-1,128.2	4,588.6	600.0	339.5	260.51	2.303		
11,431.0	6,900.0	11,520.7	6,900.0	130.3	131.0	90.00	-1,128.2	4,590.9	600.0	339.3	260.71	2.302 SF		

Company:	Synergy Resources	Local Co-ordinate Reference:	Well SRC Vista D-2N-A
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 D-2N-A	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							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	179.84	-100.2	0.3	100.2					
100.0	100.0	100.0	100.0	0.1	0.1	179.84	-100.2	0.3	100.2	100.0	0.22	445.713		
200.0	200.0	200.0	200.0	0.3	0.3	179.84	-100.2	0.3	100.2	99.5	0.67	148.571	CC, ES	
300.0	300.0	297.4	297.4	0.6	0.5	179.93	-101.4	0.1	101.4	100.4	1.10	92.564		
400.0	400.0	394.8	394.7	0.8	0.7	-179.81	-105.1	-0.3	105.2	103.7	1.52	69.281		
500.0	500.0	491.8	491.5	1.0	1.0	-179.42	-111.2	-1.1	111.6	109.6	1.96	56.996		
600.0	600.0	588.5	587.8	1.2	1.2	-178.94	-119.8	-2.2	120.4	118.0	2.41	50.036		
700.0	700.0	684.7	683.4	1.5	1.5	-178.42	-130.6	-3.6	131.7	128.9	2.86	46.003		
800.0	800.0	780.3	778.1	1.7	1.8	-177.90	-143.8	-5.3	145.6	142.3	3.33	43.726		
900.0	900.0	875.1	871.6	1.9	2.1	-177.40	-159.2	-7.2	161.9	158.1	3.80	42.570		
1,000.0	1,000.0	969.2	964.0	2.1	2.5	-176.94	-176.7	-9.5	180.6	176.3	4.28	42.165		
1,100.0	1,100.0	1,062.2	1,054.9	2.4	2.9	-176.52	-196.3	-11.9	201.8	197.0	4.77	42.280		
1,200.0	1,200.0	1,154.3	1,144.4	2.6	3.3	-176.15	-217.8	-14.7	225.3	220.0	5.27	42.764		
1,300.0	1,300.0	1,245.5	1,232.5	2.8	3.8	-14.79	-241.2	-17.6	249.9	244.3	5.59	44.702		
1,400.0	1,399.9	1,336.3	1,319.6	3.0	4.3	-14.59	-266.6	-20.9	274.4	268.4	6.02	45.607		
1,500.0	1,499.7	1,427.0	1,406.0	3.1	4.8	-14.51	-294.0	-24.4	298.7	292.2	6.46	46.242		
1,600.0	1,599.3	1,524.4	1,498.5	3.3	5.4	-14.55	-324.3	-28.2	321.5	314.6	6.92	46.431		
1,700.0	1,698.6	1,622.3	1,591.4	3.6	6.0	-14.70	-354.8	-32.1	341.9	334.5	7.40	46.178		
1,800.0	1,797.5	1,720.7	1,684.8	3.8	6.6	-14.94	-385.5	-36.0	359.7	351.8	7.90	45.564		
1,823.5	1,820.8	1,743.9	1,706.9	3.9	6.7	-15.00	-392.7	-36.9	363.6	355.6	8.01	45.374		
1,900.0	1,896.2	1,819.3	1,778.5	4.1	7.2	-15.27	-416.2	-39.9	375.8	367.4	8.40	44.724		
2,000.0	1,994.9	1,918.0	1,872.2	4.4	7.8	-15.60	-446.9	-43.8	391.9	383.0	8.92	43.923		
2,100.0	2,093.6	2,016.7	1,965.9	4.7	8.4	-15.90	-477.6	-47.7	408.0	398.5	9.45	43.174		
2,200.0	2,192.2	2,115.4	2,059.6	5.0	9.1	-16.18	-508.4	-51.6	424.1	414.1	9.98	42.477		
2,300.0	2,290.9	2,214.0	2,153.3	5.3	9.7	-16.44	-539.1	-55.5	440.2	429.7	10.52	41.828		
2,400.0	2,389.6	2,312.7	2,246.9	5.6	10.3	-16.68	-569.8	-59.4	456.3	445.2	11.07	41.224		
2,500.0	2,488.2	2,411.4	2,340.6	6.0	10.9	-16.91	-600.6	-63.3	472.4	460.8	11.62	40.660		
2,600.0	2,586.9	2,510.1	2,434.3	6.3	11.6	-17.12	-631.3	-67.2	488.5	476.3	12.17	40.134		
2,700.0	2,685.6	2,608.7	2,528.0	6.7	12.2	-17.31	-662.0	-71.1	504.6	491.9	12.73	39.643		
2,800.0	2,784.3	2,707.4	2,621.7	7.0	12.8	-17.50	-692.8	-75.0	520.8	507.5	13.29	39.184		
2,900.0	2,882.9	2,806.1	2,715.4	7.4	13.4	-17.67	-723.5	-78.9	536.9	523.0	13.85	38.755		
3,000.0	2,981.6	2,904.8	2,809.1	7.7	14.1	-17.83	-754.2	-82.8	553.0	538.6	14.42	38.351		
3,100.0	3,080.3	3,003.5	2,902.8	8.1	14.7	-17.98	-785.0	-86.7	569.2	554.2	14.99	37.973		
3,200.0	3,178.9	3,102.1	2,996.5	8.4	15.3	-18.13	-815.7	-90.6	585.3	569.8	15.56	37.617		
3,300.0	3,277.6	3,200.8	3,090.1	8.8	15.9	-18.27	-846.4	-94.6	601.5	585.3	16.13	37.282		
3,400.0	3,376.3	3,299.5	3,183.8	9.2	16.6	-18.40	-877.2	-98.5	617.6	600.9	16.71	36.966		
3,500.0	3,474.9	3,398.2	3,277.5	9.5	17.2	-18.52	-907.9	-102.4	633.8	616.5	17.28	36.668		
3,600.0	3,573.6	3,496.8	3,371.2	9.9	17.8	-18.64	-938.6	-106.3	649.9	632.1	17.86	36.386		
3,700.0	3,672.3	3,595.5	3,464.9	10.3	18.5	-18.75	-969.4	-110.2	666.1	647.7	18.44	36.118		
3,800.0	3,771.0	3,694.2	3,558.6	10.7	19.1	-18.85	-1,000.1	-114.1	682.3	663.2	19.02	35.865		
3,900.0	3,869.6	3,792.9	3,652.3	11.0	19.7	-18.96	-1,030.8	-118.0	698.4	678.8	19.61	35.625		
4,000.0	3,968.3	3,891.6	3,746.0	11.4	20.3	-19.05	-1,061.5	-121.9	714.6	694.4	20.19	35.397		
4,100.0	4,067.0	3,990.2	3,839.6	11.8	21.0	-19.15	-1,092.3	-125.8	730.8	710.0	20.77	35.180		
4,200.0	4,165.6	4,088.9	3,933.3	12.2	21.6	-19.23	-1,123.0	-129.7	746.9	725.6	21.36	34.973		
4,300.0	4,264.3	4,187.6	4,027.0	12.5	22.2	-19.32	-1,153.7	-133.6	763.1	741.2	21.94	34.776		
4,400.0	4,363.0	4,286.3	4,120.7	12.9	22.9	-19.40	-1,184.5	-137.5	779.3	756.8	22.53	34.588		
4,500.0	4,461.7	4,384.9	4,214.4	13.3	23.5	-19.48	-1,215.2	-141.4	795.5	772.4	23.12	34.409		
4,600.0	4,560.3	4,483.6	4,308.1	13.7	24.1	-19.55	-1,245.9	-145.3	811.6	787.9	23.71	34.237		
4,700.0	4,659.0	4,582.3	4,401.8	14.0	24.7	-19.62	-1,276.7	-149.2	827.8	803.5	24.30	34.073		
4,800.0	4,757.7	4,681.0	4,495.5	14.4	25.4	-19.69	-1,307.4	-153.1	844.0	819.1	24.89	33.915		
4,900.0	4,856.3	4,779.6	4,589.2	14.8	26.0	-19.76	-1,338.1	-157.0	860.2	834.7	25.48	33.764		
5,000.0	4,955.0	4,878.3	4,682.8	15.2	26.6	-19.82	-1,368.9	-160.9	876.4	850.3	26.07	33.620		

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 D-2N-A
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 D-2N-A	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 44-2N-C - Wellbore #1 - Plan #2 (9-21-15)												Offset Well Error:	0.0 ft
Survey Program: 0-MWD													
Reference		Offset		Semi Major Axis			Distance						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	
5,079.0	5,032.9	4,956.2	4,756.8	15.5	27.1	-19.87	-1,393.1	-164.0	889.2	862.6	26.53	33.510	
5,100.0	5,053.7	4,977.0	4,776.5	15.5	27.3	-19.91	-1,399.6	-164.9	892.6	866.0	26.65	33.499	
5,200.0	5,152.7	5,075.3	4,869.8	15.8	27.9	-20.04	-1,430.2	-168.7	911.1	884.0	27.13	33.583	
5,300.0	5,252.2	5,172.9	4,962.5	16.0	28.5	-20.13	-1,460.6	-172.6	932.8	905.2	27.56	33.840	
5,400.0	5,351.9	5,269.7	5,054.4	16.2	29.1	-20.16	-1,490.7	-176.4	957.7	929.7	27.95	34.266	
5,500.0	5,451.9	5,390.0	5,168.9	16.4	29.8	-20.11	-1,527.4	-181.1	985.1	956.8	28.33	34.776	
5,546.6	5,498.5	5,458.3	5,234.5	16.5	30.1	178.95	-1,546.2	-183.5	997.7	951.7	45.96	21.709 SF	

Company:	Synergy Resources	Local Co-ordinate Reference:	Well SRC Vista D-2N-A
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 D-2N-A	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
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	89.154		
200.0	200.0	200.0	200.0	0.3	0.3	179.20	-20.0	0.3	20.0	19.4	0.67	29.718		
300.0	300.0	300.0	300.0	0.6	0.6	179.20	-20.0	0.3	20.0	18.9	1.12	17.831		
400.0	400.0	400.0	400.0	0.8	0.8	179.20	-20.0	0.3	20.0	18.5	1.57	12.736		
500.0	500.0	500.0	500.0	1.0	1.0	179.20	-20.0	0.3	20.0	18.0	2.02	9.906		
600.0	600.0	600.0	600.0	1.2	1.2	179.20	-20.0	0.3	20.0	17.6	2.47	8.105		
700.0	700.0	700.0	700.0	1.5	1.5	179.20	-20.0	0.3	20.0	17.1	2.92	6.858		
800.0	800.0	800.0	800.0	1.7	1.7	179.20	-20.0	0.3	20.0	16.7	3.37	5.944		
900.0	900.0	900.0	900.0	1.9	1.9	179.20	-20.0	0.3	20.0	16.2	3.82	5.244		
1,000.0	1,000.0	1,000.0	1,000.0	2.1	2.1	179.20	-20.0	0.3	20.0	15.8	4.27	4.692 CC, ES		
1,100.0	1,100.0	1,099.5	1,099.5	2.4	2.3	-179.77	-21.3	-0.1	21.3	16.6	4.69	4.537		
1,200.0	1,200.0	1,198.8	1,198.7	2.6	2.5	-177.30	-25.0	-1.2	25.1	20.0	5.09	4.921		
1,300.0	1,300.0	1,298.0	1,297.7	2.8	2.7	-14.07	-31.2	-3.0	30.1	24.7	5.47	5.508		
1,400.0	1,399.9	1,397.0	1,396.3	3.0	2.9	-12.69	-39.8	-5.5	35.3	29.4	5.84	6.042		
1,500.0	1,499.7	1,495.9	1,494.5	3.1	3.1	-11.83	-50.9	-8.8	40.4	34.2	6.21	6.503		
1,600.0	1,599.3	1,594.7	1,592.3	3.3	3.4	-11.31	-64.4	-12.7	45.5	38.9	6.60	6.900		
1,700.0	1,698.6	1,693.6	1,689.8	3.6	3.6	-11.04	-80.2	-17.4	50.6	43.6	6.99	7.233		
1,800.0	1,797.5	1,793.6	1,788.2	3.8	4.0	-11.23	-97.0	-22.3	53.9	46.5	7.40	7.278		
1,823.5	1,820.8	1,817.1	1,811.4	3.9	4.0	-11.35	-101.0	-23.5	54.3	46.8	7.50	7.235		
1,900.0	1,896.2	1,893.5	1,886.7	4.1	4.3	-11.78	-113.8	-27.2	55.3	47.5	7.83	7.064		
2,000.0	1,994.9	1,993.5	1,985.1	4.4	4.6	-12.32	-130.6	-32.2	56.7	48.4	8.28	6.853		
2,100.0	2,093.6	2,093.5	2,083.5	4.7	5.0	-12.83	-147.5	-37.1	58.1	49.4	8.74	6.655		
2,200.0	2,192.2	2,193.5	2,182.0	5.0	5.3	-13.32	-164.3	-42.0	59.5	50.3	9.20	6.471		
2,300.0	2,290.9	2,293.5	2,280.4	5.3	5.7	-13.78	-181.1	-47.0	61.0	51.3	9.67	6.301		
2,400.0	2,389.6	2,393.5	2,378.9	5.6	6.0	-14.23	-197.9	-51.9	62.4	52.2	10.16	6.142		
2,500.0	2,488.2	2,493.5	2,477.3	6.0	6.4	-14.65	-214.7	-56.8	63.8	53.2	10.64	5.995		
2,600.0	2,586.9	2,593.5	2,575.8	6.3	6.8	-15.06	-231.5	-61.7	65.2	54.1	11.14	5.857		
2,700.0	2,685.6	2,693.4	2,674.2	6.7	7.2	-15.45	-248.3	-66.7	66.7	55.0	11.63	5.729		
2,800.0	2,784.3	2,793.4	2,772.6	7.0	7.6	-15.82	-265.1	-71.6	68.1	56.0	12.14	5.610		
2,900.0	2,882.9	2,893.4	2,871.1	7.4	7.9	-16.18	-281.9	-76.5	69.5	56.9	12.65	5.498		
3,000.0	2,981.6	2,993.4	2,969.5	7.7	8.3	-16.52	-298.7	-81.5	71.0	57.8	13.16	5.393		
3,100.0	3,080.3	3,093.4	3,068.0	8.1	8.7	-16.85	-315.5	-86.4	72.4	58.7	13.67	5.295		
3,200.0	3,178.9	3,193.4	3,166.4	8.4	9.1	-17.16	-332.3	-91.3	73.8	59.7	14.19	5.203		
3,300.0	3,277.6	3,293.4	3,264.9	8.8	9.5	-17.47	-349.1	-96.3	75.3	60.6	14.72	5.116		
3,400.0	3,376.3	3,393.4	3,363.3	9.2	9.9	-17.76	-365.9	-101.2	76.7	61.5	15.24	5.035		
3,500.0	3,474.9	3,493.4	3,461.7	9.5	10.3	-18.04	-382.7	-106.1	78.2	62.4	15.77	4.958		
3,600.0	3,573.6	3,593.3	3,560.2	9.9	10.7	-18.31	-399.5	-111.0	79.6	63.3	16.30	4.885		
3,700.0	3,672.3	3,693.3	3,658.6	10.3	11.1	-18.57	-416.3	-116.0	81.1	64.3	16.84	4.816		
3,800.0	3,771.0	3,793.3	3,757.1	10.7	11.5	-18.83	-433.1	-120.9	82.5	65.2	17.37	4.751		
3,900.0	3,869.6	3,893.3	3,855.5	11.0	11.9	-19.07	-449.9	-125.8	84.0	66.1	17.91	4.690		
4,000.0	3,968.3	3,993.3	3,954.0	11.4	12.3	-19.30	-466.7	-130.8	85.5	67.0	18.45	4.631		
4,100.0	4,067.0	4,093.3	4,052.4	11.8	12.7	-19.53	-483.5	-135.7	86.9	67.9	19.00	4.575		
4,200.0	4,165.6	4,193.3	4,150.8	12.2	13.0	-19.75	-500.3	-140.6	88.4	68.8	19.54	4.523		
4,300.0	4,264.3	4,293.3	4,249.3	12.5	13.4	-19.96	-517.1	-145.5	89.8	69.7	20.09	4.472		
4,400.0	4,363.0	4,393.3	4,347.7	12.9	13.8	-20.17	-533.9	-150.5	91.3	70.7	20.64	4.424		
4,500.0	4,461.7	4,493.2	4,446.2	13.3	14.2	-20.37	-550.7	-155.4	92.8	71.6	21.19	4.378		
4,600.0	4,560.3	4,593.2	4,544.6	13.7	14.6	-20.56	-567.5	-160.3	94.2	72.5	21.74	4.335		
4,700.0	4,659.0	4,693.2	4,643.1	14.0	15.0	-20.75	-584.3	-165.3	95.7	73.4	22.29	4.293		
4,800.0	4,757.7	4,793.2	4,741.5	14.4	15.4	-20.93	-601.2	-170.2	97.2	74.3	22.85	4.253		
4,900.0	4,856.3	4,893.2	4,840.0	14.8	15.8	-21.11	-618.0	-175.1	98.6	75.2	23.40	4.214		
5,000.0	4,955.0	4,993.2	4,938.4	15.2	16.2	-21.28	-634.8	-180.1	100.1	76.1	23.96	4.178		

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 D-2N-A
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 D-2N-A	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		
5,079.0	5,032.9	5,072.1	5,016.1	15.5	16.6	-21.41	-648.0	-183.9	101.3	76.9	24.40	4.150		
5,100.0	5,053.7	5,093.2	5,036.8	15.5	16.6	-21.43	-651.6	-185.0	101.6	77.1	24.52	4.146		
5,200.0	5,152.7	5,194.5	5,136.6	15.8	17.0	-21.16	-668.3	-189.9	105.2	80.2	24.97	4.212		
5,300.0	5,252.2	5,298.0	5,239.1	16.0	17.3	-20.73	-682.6	-194.1	109.2	83.9	25.34	4.311		
5,400.0	5,351.9	5,401.8	5,342.2	16.2	17.5	-20.27	-693.4	-197.3	113.1	87.4	25.65	4.410		
5,500.0	5,451.9	5,505.7	5,445.9	16.4	17.7	-19.78	-700.6	-199.4	116.8	90.9	25.90	4.508		
5,546.6	5,498.5	5,554.2	5,494.3	16.5	17.8	179.45	-702.7	-200.0	118.4	84.9	33.54	3.532		
5,600.0	5,551.9	5,609.8	5,549.9	16.5	17.9	179.66	-704.1	-200.4	119.8	86.1	33.72	3.554		
5,700.0	5,651.9	5,711.8	5,651.9	16.7	18.0	179.72	-704.5	-200.5	120.2	86.2	34.01	3.536		
5,800.0	5,751.9	5,811.8	5,751.9	16.8	18.2	179.72	-704.5	-200.5	120.2	86.0	34.27	3.508		
5,900.0	5,851.9	5,911.8	5,851.9	16.9	18.3	179.72	-704.5	-200.5	120.2	85.7	34.54	3.481		
6,000.0	5,951.9	6,011.8	5,951.9	17.1	18.4	179.72	-704.5	-200.5	120.2	85.4	34.81	3.454		
6,100.0	6,051.9	6,111.8	6,051.9	17.2	18.5	179.72	-704.5	-200.5	120.2	85.2	35.09	3.427		
6,200.0	6,151.9	6,211.8	6,151.9	17.4	18.7	179.72	-704.5	-200.5	120.2	84.9	35.36	3.400		
6,231.9	6,183.8	6,243.7	6,183.8	17.4	18.7	179.72	-704.5	-200.5	120.2	84.8	35.45	3.391		
6,250.0	6,201.9	6,261.8	6,201.9	17.4	18.7	90.50	-704.5	-200.5	120.2	91.8	28.48	4.223		
6,300.0	6,251.8	6,311.7	6,251.8	17.5	18.8	91.93	-704.5	-200.5	120.3	91.8	28.50	4.221		
6,350.0	6,301.3	6,361.3	6,301.3	17.6	18.9	94.94	-704.5	-200.5	120.7	92.3	28.38	4.253		
6,400.0	6,350.3	6,410.2	6,350.3	17.6	18.9	99.40	-704.5	-200.5	122.0	93.8	28.18	4.328		
6,450.0	6,398.5	6,458.4	6,398.5	17.6	19.0	105.00	-704.5	-200.5	124.9	96.9	27.97	4.464		
6,500.0	6,445.7	6,505.6	6,445.7	17.7	19.1	111.32	-704.5	-200.5	130.4	102.6	27.81	4.688		
6,550.0	6,491.5	6,551.4	6,491.5	17.7	19.1	117.84	-704.5	-200.5	139.3	111.6	27.68	5.033		
6,600.0	6,535.9	6,600.6	6,540.6	17.7	19.2	124.55	-704.5	-199.6	151.7	124.2	27.49	5.519		
6,650.0	6,578.5	6,652.9	6,592.8	17.7	19.3	130.55	-704.5	-195.0	166.2	139.0	27.18	6.116		
6,700.0	6,619.3	6,707.4	6,646.5	17.7	19.3	135.65	-704.4	-186.2	182.1	155.4	26.68	6.826		
6,750.0	6,657.9	6,764.2	6,701.6	17.8	19.3	139.97	-704.2	-172.7	198.9	173.0	25.98	7.658		
6,800.0	6,694.2	6,823.5	6,757.9	17.8	19.4	143.63	-704.0	-153.9	216.2	191.1	25.08	8.619		
6,850.0	6,728.0	6,885.5	6,814.9	17.8	19.4	146.73	-703.7	-129.4	233.5	209.5	24.02	9.722		
6,900.0	6,759.1	6,950.6	6,872.2	17.9	19.4	149.37	-703.3	-98.5	250.5	227.7	22.81	10.982		
6,950.0	6,787.5	7,018.9	6,929.0	17.9	19.5	151.61	-702.9	-60.7	266.9	245.4	21.51	12.408		
7,000.0	6,812.9	7,090.6	6,984.4	18.0	19.5	153.51	-702.4	-15.3	282.5	262.3	20.16	14.011		
7,050.0	6,835.2	7,165.7	7,037.4	18.2	19.5	155.10	-701.7	37.9	296.8	277.9	18.84	15.754		
7,100.0	6,854.4	7,244.2	7,086.5	18.6	19.6	156.42	-701.0	99.2	309.5	292.0	17.53	17.656		
7,150.0	6,870.3	7,326.1	7,130.2	19.0	19.7	157.49	-700.2	168.3	320.5	304.1	16.42	19.522		
7,200.0	6,882.9	7,411.0	7,166.8	19.7	20.0	158.31	-699.3	244.8	329.4	313.9	15.58	21.144		
7,250.0	6,892.0	7,498.3	7,194.8	20.5	20.6	158.91	-698.3	327.5	336.1	321.0	15.11	22.249		
7,300.0	6,897.7	7,587.5	7,212.9	21.3	21.7	159.27	-697.3	414.8	340.2	325.2	15.08	22.557		
7,350.0	6,900.0	7,677.7	7,219.9	22.3	23.1	159.41	-696.3	504.6	341.8	326.3	15.54	21.998		
7,356.9	6,900.0	7,689.5	7,220.0	22.4	23.3	159.41	-696.1	516.5	341.8	326.2	15.63	21.868		
7,400.0	6,900.0	7,732.6	7,220.0	23.2	24.1	159.41	-695.6	559.5	341.8	325.4	16.47	20.753		
7,500.0	6,900.0	7,832.6	7,220.0	25.3	26.1	159.41	-694.5	659.5	341.8	323.4	18.48	18.495		
7,600.0	6,900.0	7,932.6	7,220.0	27.5	28.2	159.41	-693.3	759.5	341.8	321.3	20.58	16.610		
7,700.0	6,900.0	8,032.6	7,220.0	29.8	30.5	159.41	-692.1	859.5	341.8	319.1	22.74	15.032		
7,800.0	6,900.0	8,132.6	7,220.0	32.2	32.8	159.41	-690.9	959.5	341.8	316.9	24.95	13.703		
7,900.0	6,900.0	8,232.6	7,220.0	34.7	35.2	159.41	-689.8	1,059.5	341.8	314.7	27.19	12.573		
8,000.0	6,900.0	8,332.6	7,220.0	37.2	37.7	159.41	-688.6	1,159.5	341.8	312.4	29.46	11.605		
8,100.0	6,900.0	8,432.6	7,220.0	39.7	40.2	159.41	-687.4	1,259.5	341.8	310.1	31.75	10.768		
8,200.0	6,900.0	8,532.6	7,220.0	42.3	42.7	159.41	-686.3	1,359.5	341.8	307.8	34.05	10.039		
8,300.0	6,900.0	8,632.6	7,220.0	44.9	45.3	159.41	-685.1	1,459.5	341.8	305.5	36.37	9.398		
8,400.0	6,900.0	8,732.6	7,220.0	47.5	47.9	159.41	-683.9	1,559.5	341.8	303.1	38.70	8.832		
8,500.0	6,900.0	8,832.6	7,220.0	50.2	50.5	159.41	-682.7	1,659.5	341.8	300.8	41.04	8.328		
8,600.0	6,900.0	8,932.6	7,220.0	52.8	53.2	159.41	-681.6	1,759.4	341.8	298.4	43.39	7.878		

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 D-2N-A
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 D-2N-A	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		
8,700.0	6,900.0	9,032.6	7,220.0	55.5	55.8	159.41	-680.4	1,859.4	341.8	296.1	45.75	7.472		
8,800.0	6,900.0	9,132.6	7,220.0	58.2	58.5	159.41	-679.2	1,959.4	341.8	293.7	48.11	7.105		
8,900.0	6,900.0	9,232.6	7,220.0	60.9	61.2	159.41	-678.0	2,059.4	341.8	291.4	50.48	6.772		
9,000.0	6,900.0	9,332.6	7,220.0	63.6	63.9	159.41	-676.9	2,159.4	341.8	289.0	52.84	6.469		
9,100.0	6,900.0	9,432.6	7,220.0	66.3	66.6	159.41	-675.7	2,259.4	341.8	286.6	55.22	6.191		
9,200.0	6,900.0	9,532.6	7,220.0	69.0	69.3	159.41	-674.5	2,359.4	341.8	284.2	57.60	5.935		
9,300.0	6,900.0	9,632.6	7,220.0	71.7	72.0	159.41	-673.4	2,459.4	341.8	281.9	59.97	5.700		
9,400.0	6,900.0	9,732.6	7,220.0	74.5	74.7	159.41	-672.2	2,559.4	341.8	279.5	62.36	5.482		
9,500.0	6,900.0	9,832.6	7,220.0	77.2	77.5	159.41	-671.0	2,659.4	341.8	277.1	64.74	5.280		
9,600.0	6,900.0	9,932.6	7,220.0	80.0	80.2	159.41	-669.8	2,759.4	341.8	274.7	67.13	5.092		
9,700.0	6,900.0	10,032.6	7,220.0	82.7	82.9	159.41	-668.7	2,859.4	341.8	272.3	69.51	4.918		
9,800.0	6,900.0	10,132.6	7,220.0	85.5	85.7	159.41	-667.5	2,959.4	341.8	269.9	71.90	4.754		
9,900.0	6,900.0	10,232.6	7,220.0	88.2	88.4	159.41	-666.3	3,059.4	341.8	267.5	74.30	4.601		
10,000.0	6,900.0	10,332.6	7,220.0	91.0	91.2	159.41	-665.2	3,159.4	341.8	265.2	76.69	4.458		
10,100.0	6,900.0	10,432.6	7,220.0	93.7	93.9	159.41	-664.0	3,259.3	341.8	262.8	79.08	4.323		
10,200.0	6,900.0	10,532.6	7,220.0	96.5	96.7	159.41	-662.8	3,359.3	341.8	260.4	81.48	4.196		
10,300.0	6,900.0	10,632.6	7,220.0	99.3	99.4	159.41	-661.6	3,459.3	341.8	258.0	83.87	4.076		
10,400.0	6,900.0	10,732.6	7,220.0	102.0	102.2	159.41	-660.5	3,559.3	341.8	255.6	86.27	3.963		
10,500.0	6,900.0	10,832.6	7,220.0	104.8	105.0	159.41	-659.3	3,659.3	341.8	253.2	88.66	3.855		
10,600.0	6,900.0	10,932.6	7,220.0	107.6	107.7	159.41	-658.1	3,759.3	341.8	250.8	91.06	3.754		
10,700.0	6,900.0	11,032.6	7,220.0	110.3	110.5	159.41	-657.0	3,859.3	341.8	248.4	93.46	3.658		
10,800.0	6,900.0	11,132.6	7,220.0	113.1	113.3	159.41	-655.8	3,959.3	341.8	246.0	95.86	3.566		
10,900.0	6,900.0	11,232.6	7,220.0	115.9	116.0	159.41	-654.6	4,059.3	341.8	243.6	98.26	3.479		
11,000.0	6,900.0	11,332.6	7,220.0	118.7	118.8	159.41	-653.4	4,159.3	341.8	241.2	100.66	3.396		
11,100.0	6,900.0	11,432.6	7,220.0	121.4	121.6	159.41	-652.3	4,259.3	341.8	238.8	103.06	3.317		
11,200.0	6,900.0	11,532.6	7,220.0	124.2	124.4	159.41	-651.1	4,359.3	341.8	236.4	105.46	3.241		
11,300.0	6,900.0	11,632.6	7,220.0	127.0	127.1	159.41	-649.9	4,459.3	341.8	234.0	107.87	3.169		
11,400.0	6,900.0	11,732.6	7,220.0	129.8	129.9	159.41	-648.7	4,559.3	341.8	231.6	110.27	3.100		
11,425.4	6,900.0	11,758.0	7,220.0	130.2	130.6	159.41	-648.5	4,584.7	341.8	231.1	110.76	3.086		
11,431.0	6,900.0	11,762.8	7,220.0	130.3	130.8	159.41	-648.4	4,589.4	341.8	231.0	110.85	3.084 SF		

Company:	Synergy Resources	Local Co-ordinate Reference:	Well SRC Vista D-2N-A
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 D-2N-A	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		
0.0	0.0	0.0	0.0	0.0	0.0	-180.00	-40.1	0.0	40.1					
100.0	100.0	100.0	100.0	0.1	0.1	-180.00	-40.1	0.0	40.1	39.8	0.22	178.255		
200.0	200.0	200.0	200.0	0.3	0.3	-180.00	-40.1	0.0	40.1	39.4	0.67	59.418		
300.0	300.0	300.0	300.0	0.6	0.6	-180.00	-40.1	0.0	40.1	38.9	1.12	35.651		
400.0	400.0	400.0	400.0	0.8	0.8	-180.00	-40.1	0.0	40.1	38.5	1.57	25.465		
500.0	500.0	500.0	500.0	1.0	1.0	-180.00	-40.1	0.0	40.1	38.0	2.02	19.806		
600.0	600.0	600.0	600.0	1.2	1.2	-180.00	-40.1	0.0	40.1	37.6	2.47	16.205		
700.0	700.0	700.0	700.0	1.5	1.5	-180.00	-40.1	0.0	40.1	37.1	2.92	13.712		
800.0	800.0	800.0	800.0	1.7	1.7	-180.00	-40.1	0.0	40.1	36.7	3.37	11.884 CC, ES		
900.0	900.0	899.0	899.0	1.9	1.9	-179.59	-41.3	-0.3	41.3	37.5	3.79	10.900		
1,000.0	1,000.0	997.8	997.7	2.1	2.1	-178.50	-45.0	-1.2	45.1	40.9	4.19	10.759		
1,100.0	1,100.0	1,096.4	1,096.1	2.4	2.2	-177.05	-51.3	-2.6	51.5	46.9	4.61	11.172		
1,200.0	1,200.0	1,194.5	1,193.8	2.6	2.5	-175.53	-59.9	-4.7	60.4	55.3	5.03	12.005		
1,300.0	1,300.0	1,292.4	1,291.0	2.8	2.7	-13.33	-70.9	-7.3	70.6	65.2	5.42	13.019		
1,400.0	1,399.9	1,389.9	1,387.6	3.0	2.9	-12.62	-84.3	-10.4	80.8	75.0	5.80	13.929		
1,500.0	1,499.7	1,487.2	1,483.5	3.1	3.2	-12.23	-100.1	-14.2	91.0	84.8	6.19	14.697		
1,600.0	1,599.3	1,584.4	1,578.9	3.3	3.5	-12.06	-118.2	-18.4	101.1	94.5	6.59	15.341		
1,700.0	1,698.6	1,684.1	1,676.5	3.6	3.9	-12.14	-137.8	-23.1	109.8	102.8	7.01	15.670		
1,800.0	1,797.5	1,783.9	1,774.2	3.8	4.3	-12.48	-157.4	-27.7	116.0	108.6	7.44	15.599		
1,823.5	1,820.8	1,807.4	1,797.3	3.9	4.4	-12.60	-162.1	-28.8	117.1	109.5	7.54	15.530		
1,900.0	1,896.2	1,883.8	1,872.1	4.1	4.7	-13.00	-177.1	-32.3	120.4	112.5	7.89	15.261		
2,000.0	1,994.9	1,983.7	1,969.9	4.4	5.1	-13.50	-196.7	-37.0	124.6	116.3	8.35	14.926		
2,100.0	2,093.6	2,083.6	2,067.8	4.7	5.5	-13.96	-216.4	-41.6	128.9	120.1	8.82	14.612		
2,200.0	2,192.2	2,183.5	2,165.6	5.0	5.9	-14.39	-236.1	-46.3	133.3	123.9	9.31	14.319		
2,300.0	2,290.9	2,283.4	2,263.4	5.3	6.3	-14.79	-255.7	-50.9	137.6	127.8	9.80	14.044		
2,400.0	2,389.6	2,383.3	2,361.3	5.6	6.7	-15.17	-275.4	-55.5	141.9	131.6	10.29	13.788		
2,500.0	2,488.2	2,483.2	2,459.1	6.0	7.2	-15.53	-295.0	-60.2	146.2	135.4	10.79	13.548		
2,600.0	2,586.9	2,583.1	2,557.0	6.3	7.6	-15.87	-314.7	-64.8	150.6	139.3	11.30	13.324		
2,700.0	2,685.6	2,683.0	2,654.8	6.7	8.0	-16.19	-334.4	-69.5	154.9	143.1	11.81	13.115		
2,800.0	2,784.3	2,782.9	2,752.6	7.0	8.4	-16.49	-354.0	-74.1	159.2	146.9	12.33	12.918		
2,900.0	2,882.9	2,882.8	2,850.5	7.4	8.9	-16.77	-373.7	-78.7	163.6	150.7	12.85	12.734		
3,000.0	2,981.6	2,982.7	2,948.3	7.7	9.3	-17.04	-393.3	-83.4	167.9	154.6	13.37	12.562		
3,100.0	3,080.3	3,082.6	3,046.2	8.1	9.8	-17.30	-413.0	-88.0	172.3	158.4	13.90	12.399		
3,200.0	3,178.9	3,182.5	3,144.0	8.4	10.2	-17.54	-432.7	-92.7	176.6	162.2	14.42	12.246		
3,300.0	3,277.6	3,282.4	3,241.8	8.8	10.6	-17.77	-452.3	-97.3	181.0	166.0	14.96	12.102		
3,400.0	3,376.3	3,382.3	3,339.7	9.2	11.1	-17.99	-472.0	-101.9	185.4	169.9	15.49	11.966		
3,500.0	3,474.9	3,482.2	3,437.5	9.5	11.5	-18.21	-491.6	-106.6	189.7	173.7	16.03	11.838		
3,600.0	3,573.6	3,582.1	3,535.3	9.9	11.9	-18.41	-511.3	-111.2	194.1	177.5	16.57	11.716		
3,700.0	3,672.3	3,682.0	3,633.2	10.3	12.4	-18.60	-531.0	-115.9	198.5	181.4	17.11	11.601		
3,800.0	3,771.0	3,781.9	3,731.0	10.7	12.8	-18.78	-550.6	-120.5	202.8	185.2	17.65	11.492		
3,900.0	3,869.6	3,881.8	3,828.9	11.0	13.3	-18.96	-570.3	-125.1	207.2	189.0	18.20	11.388		
4,000.0	3,968.3	3,981.7	3,926.7	11.4	13.7	-19.13	-589.9	-129.8	211.6	192.9	18.74	11.290		
4,100.0	4,067.0	4,081.6	4,024.5	11.8	14.2	-19.29	-609.6	-134.4	216.0	196.7	19.29	11.196		
4,200.0	4,165.6	4,181.5	4,122.4	12.2	14.6	-19.45	-629.3	-139.1	220.4	200.5	19.84	11.107		
4,300.0	4,264.3	4,281.4	4,220.2	12.5	15.0	-19.60	-648.9	-143.7	224.7	204.3	20.39	11.022		
4,400.0	4,363.0	4,381.3	4,318.1	12.9	15.5	-19.74	-668.6	-148.3	229.1	208.2	20.94	10.940		
4,500.0	4,461.7	4,481.2	4,415.9	13.3	15.9	-19.88	-688.2	-153.0	233.5	212.0	21.50	10.863		
4,600.0	4,560.3	4,581.1	4,513.7	13.7	16.4	-20.01	-707.9	-157.6	237.9	215.8	22.05	10.789		
4,700.0	4,659.0	4,681.0	4,611.6	14.0	16.8	-20.14	-727.6	-162.3	242.3	219.7	22.61	10.718		
4,800.0	4,757.7	4,780.9	4,709.4	14.4	17.3	-20.27	-747.2	-166.9	246.7	223.5	23.16	10.650		
4,900.0	4,856.3	4,880.8	4,807.2	14.8	17.7	-20.39	-766.9	-171.5	251.1	227.3	23.72	10.585		
5,000.0	4,955.0	4,980.7	4,905.1	15.2	18.2	-20.50	-786.5	-176.2	255.5	231.2	24.28	10.522		

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 D-2N-A
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 D-2N-A	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		
5,079.0	5,032.9	5,059.6	4,982.3	15.5	18.5	-20.59	-802.1	-179.8	258.9	234.2	24.72	10.475		
5,100.0	5,053.7	5,080.6	5,002.9	15.5	18.6	-20.61	-806.2	-180.8	259.9	235.1	24.83	10.467		
5,200.0	5,152.7	5,180.4	5,100.6	15.8	19.0	-20.58	-825.8	-185.5	266.6	241.3	25.32	10.532		
5,300.0	5,252.2	5,288.0	5,206.3	16.0	19.5	-20.35	-845.7	-190.2	275.4	249.7	25.74	10.702		
5,400.0	5,351.9	5,398.0	5,315.0	16.2	19.8	-20.07	-862.2	-194.0	283.9	257.8	26.08	10.886		
5,500.0	5,451.9	5,508.5	5,424.7	16.4	20.0	-19.76	-874.6	-197.0	291.9	265.6	26.36	11.074		
5,546.6	5,498.5	5,560.1	5,476.1	16.5	20.1	179.39	-878.9	-198.0	295.5	259.6	35.87	8.238		
5,600.0	5,551.9	5,619.3	5,535.2	16.5	20.2	179.58	-882.8	-198.9	299.0	262.9	36.07	8.290		
5,700.0	5,651.9	5,730.6	5,646.4	16.7	20.4	179.77	-887.0	-199.9	302.7	266.3	36.39	8.318		
5,800.0	5,751.9	5,836.1	5,751.9	16.8	20.5	179.79	-887.5	-200.0	303.2	266.5	36.67	8.268		
5,900.0	5,851.9	5,936.1	5,851.9	16.9	20.6	179.79	-887.5	-200.0	303.2	266.3	36.92	8.212		
6,000.0	5,951.9	6,036.1	5,951.9	17.1	20.7	179.79	-887.5	-200.0	303.2	266.0	37.17	8.156		
6,100.0	6,051.9	6,136.1	6,051.9	17.2	20.8	179.79	-887.5	-200.0	303.2	265.7	37.43	8.100		
6,200.0	6,151.9	6,236.1	6,151.9	17.4	20.9	179.79	-887.5	-200.0	303.2	265.5	37.69	8.044		
6,231.9	6,183.8	6,268.0	6,183.8	17.4	21.0	179.79	-887.5	-200.0	303.2	265.4	37.77	8.026		
6,250.0	6,201.9	6,286.2	6,201.9	17.4	21.0	90.46	-887.5	-199.8	303.2	274.2	28.93	10.480		
6,300.0	6,251.8	6,336.3	6,252.0	17.5	21.1	90.46	-887.4	-196.7	303.2	274.1	29.08	10.426		
6,350.0	6,301.3	6,386.5	6,301.7	17.6	21.1	90.46	-887.4	-190.2	303.2	274.0	29.20	10.382		
6,400.0	6,350.3	6,436.7	6,350.9	17.6	21.1	90.45	-887.2	-180.2	303.2	273.9	29.30	10.347		
6,450.0	6,398.5	6,486.8	6,399.2	17.6	21.2	90.44	-887.1	-166.8	303.2	273.8	29.38	10.320		
6,500.0	6,445.7	6,537.0	6,446.5	17.7	21.2	90.43	-886.9	-150.1	303.2	273.7	29.44	10.296		
6,550.0	6,491.5	6,587.2	6,492.5	17.7	21.2	90.42	-886.6	-130.1	303.2	273.7	29.51	10.274		
6,600.0	6,535.9	6,637.3	6,536.9	17.7	21.2	90.40	-886.4	-106.9	303.2	273.6	29.58	10.247		
6,650.0	6,578.5	6,687.5	6,579.7	17.7	21.2	90.39	-886.1	-80.7	303.2	273.5	29.69	10.211		
6,700.0	6,619.3	6,737.6	6,620.4	17.7	21.2	90.37	-885.7	-51.5	303.2	273.3	29.84	10.159		
6,750.0	6,657.9	6,787.7	6,659.1	17.8	21.3	90.35	-885.3	-19.6	303.2	273.1	30.06	10.085		
6,800.0	6,694.2	6,837.9	6,695.4	17.8	21.3	90.32	-884.9	15.0	303.2	272.8	30.37	9.981		
6,850.0	6,728.0	6,888.0	6,729.2	17.8	21.3	90.30	-884.5	52.0	303.2	272.4	30.80	9.842		
6,900.0	6,759.1	6,938.1	6,760.3	17.9	21.3	90.28	-884.0	91.2	303.2	271.8	31.36	9.666		
6,950.0	6,787.5	6,988.2	6,788.6	17.9	21.4	90.25	-883.6	132.5	303.2	271.1	32.08	9.450		
7,000.0	6,812.9	7,038.3	6,813.9	18.0	21.5	90.22	-883.1	175.7	303.2	270.2	32.96	9.197		
7,050.0	6,835.2	7,088.3	6,836.2	18.2	21.6	90.19	-882.5	220.6	303.2	269.1	34.02	8.912		
7,100.0	6,854.4	7,138.4	6,855.2	18.6	21.8	90.16	-882.0	266.9	303.2	267.9	35.25	8.601		
7,150.0	6,870.3	7,188.5	6,871.0	19.0	22.0	90.13	-881.4	314.4	303.2	266.5	36.65	8.272		
7,200.0	6,882.9	7,238.5	6,883.4	19.7	22.4	90.10	-880.9	362.8	303.2	265.0	38.20	7.936		
7,250.0	6,892.0	7,288.5	6,892.4	20.5	22.8	90.07	-880.3	412.0	303.1	263.3	39.89	7.599		
7,300.0	6,897.7	7,338.6	6,897.9	21.3	23.4	90.04	-879.7	461.7	303.1	261.4	41.71	7.269		
7,350.0	6,900.0	7,388.6	6,900.0	22.3	24.1	90.00	-879.1	511.7	303.1	259.5	43.61	6.951		
7,356.9	6,900.0	7,395.5	6,900.0	22.4	24.2	90.00	-879.0	518.6	303.1	259.3	43.88	6.908		
7,400.0	6,900.0	7,438.6	6,900.0	23.2	24.9	90.00	-878.5	561.7	303.1	257.5	45.62	6.645		
7,500.0	6,900.0	7,538.6	6,900.0	25.3	26.7	90.00	-877.4	661.7	303.1	253.3	49.84	6.083		
7,600.0	6,900.0	7,638.6	6,900.0	27.5	28.7	90.00	-876.2	761.7	303.1	248.8	54.31	5.582		
7,700.0	6,900.0	7,738.6	6,900.0	29.8	30.9	90.00	-875.0	861.7	303.1	244.2	58.97	5.141		
7,800.0	6,900.0	7,838.6	6,900.0	32.2	33.2	90.00	-873.8	961.7	303.1	239.4	63.78	4.753		
7,900.0	6,900.0	7,938.6	6,900.0	34.7	35.5	90.00	-872.7	1,061.6	303.1	234.4	68.72	4.411		
8,000.0	6,900.0	8,038.6	6,900.0	37.2	38.0	90.00	-871.5	1,161.6	303.1	229.4	73.75	4.110		
8,100.0	6,900.0	8,138.6	6,900.0	39.7	40.5	90.00	-870.3	1,261.6	303.1	224.3	78.87	3.844		
8,200.0	6,900.0	8,238.6	6,900.0	42.3	43.0	90.00	-869.1	1,361.6	303.1	219.1	84.04	3.607		
8,300.0	6,900.0	8,338.6	6,900.0	44.9	45.5	90.00	-868.0	1,461.6	303.1	213.9	89.27	3.396		
8,400.0	6,900.0	8,438.6	6,900.0	47.5	48.1	90.00	-866.8	1,561.6	303.1	208.6	94.54	3.206		
8,500.0	6,900.0	8,538.6	6,900.0	50.2	50.7	90.00	-865.6	1,661.6	303.1	203.3	99.85	3.036		
8,600.0	6,900.0	8,638.6	6,900.0	52.8	53.4	90.00	-864.5	1,761.6	303.1	197.9	105.18	2.882		

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 D-2N-A
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 D-2N-A	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	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset	Highside Toolface	Offset Wellbore Centre		Between Centres	Between Ellipses	Minimum Separation	Separation Factor			
(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(°)	+N/-S (ft)	+E/-W (ft)	(ft)	(ft)	(ft)				
8,700.0	6,900.0	8,738.6	6,900.0	55.5	56.0	90.00	-863.3	1,861.6	303.1	192.6	110.55	2.742			
8,800.0	6,900.0	8,838.6	6,900.0	58.2	58.7	90.00	-862.1	1,961.6	303.1	187.2	115.94	2.615			
8,900.0	6,900.0	8,938.6	6,900.0	60.9	61.3	90.00	-860.9	2,061.6	303.1	181.8	121.35	2.498			
9,000.0	6,900.0	9,038.6	6,900.0	63.6	64.0	90.00	-859.8	2,161.6	303.1	176.4	126.78	2.391			
9,100.0	6,900.0	9,138.6	6,900.0	66.3	66.7	90.00	-858.6	2,261.6	303.1	170.9	132.22	2.293			
9,200.0	6,900.0	9,238.6	6,900.0	69.0	69.4	90.00	-857.4	2,361.6	303.1	165.5	137.67	2.202			
9,300.0	6,900.0	9,338.6	6,900.0	71.7	72.1	90.00	-856.2	2,461.5	303.1	160.0	143.14	2.118			
9,400.0	6,900.0	9,438.6	6,900.0	74.5	74.9	90.00	-855.1	2,561.5	303.1	154.5	148.62	2.040			
9,500.0	6,900.0	9,538.6	6,900.0	77.2	77.6	90.00	-853.9	2,661.5	303.1	149.0	154.10	1.967			
9,600.0	6,900.0	9,638.6	6,900.0	80.0	80.3	90.00	-852.7	2,761.5	303.1	143.5	159.60	1.899			
9,700.0	6,900.0	9,738.6	6,900.0	82.7	83.0	90.00	-851.6	2,861.5	303.1	138.0	165.10	1.836			
9,800.0	6,900.0	9,838.6	6,900.0	85.5	85.8	90.00	-850.4	2,961.5	303.1	132.5	170.61	1.777			
9,900.0	6,900.0	9,938.6	6,900.0	88.2	88.5	90.00	-849.2	3,061.5	303.1	127.0	176.13	1.721			
10,000.0	6,900.0	10,038.6	6,900.0	91.0	91.3	90.00	-848.0	3,161.5	303.1	121.5	181.65	1.669			
10,100.0	6,900.0	10,138.6	6,900.0	93.7	94.0	90.00	-846.9	3,261.5	303.1	115.9	187.18	1.619			
10,200.0	6,900.0	10,238.6	6,900.0	96.5	96.8	90.00	-845.7	3,361.5	303.1	110.4	192.71	1.573			
10,300.0	6,900.0	10,338.6	6,900.0	99.3	99.5	90.00	-844.5	3,461.5	303.1	104.9	198.25	1.529			
10,400.0	6,900.0	10,438.6	6,900.0	102.0	102.3	90.00	-843.3	3,561.5	303.1	99.3	203.79	1.487	Level 3		
10,500.0	6,900.0	10,538.6	6,900.0	104.8	105.1	90.00	-842.2	3,661.5	303.1	93.8	209.33	1.448	Level 3		
10,600.0	6,900.0	10,638.6	6,900.0	107.6	107.8	90.00	-841.0	3,761.5	303.1	88.2	214.88	1.411	Level 3		
10,700.0	6,900.0	10,738.6	6,900.0	110.3	110.6	90.00	-839.8	3,861.5	303.1	82.7	220.43	1.375	Level 3		
10,800.0	6,900.0	10,838.6	6,900.0	113.1	113.4	90.00	-838.6	3,961.4	303.1	77.1	225.98	1.341	Level 3		
10,900.0	6,900.0	10,938.6	6,900.0	115.9	116.1	90.00	-837.5	4,061.4	303.1	71.6	231.54	1.309	Level 3		
11,000.0	6,900.0	11,038.6	6,900.0	118.7	118.9	90.00	-836.3	4,161.4	303.1	66.0	237.10	1.278	Level 3		
11,100.0	6,900.0	11,138.6	6,900.0	121.4	121.7	90.00	-835.1	4,261.4	303.1	60.4	242.66	1.249	Level 2		
11,200.0	6,900.0	11,238.6	6,900.0	124.2	124.4	90.00	-834.0	4,361.4	303.1	54.9	248.22	1.221	Level 2		
11,300.0	6,900.0	11,338.6	6,900.0	127.0	127.2	90.00	-832.8	4,461.4	303.1	49.3	253.79	1.194	Level 2		
11,400.0	6,900.0	11,438.6	6,900.0	129.8	130.0	90.00	-831.6	4,561.4	303.1	43.7	259.35	1.169	Level 2		
11,424.7	6,900.0	11,463.3	6,900.0	130.2	130.7	90.00	-831.3	4,586.1	303.1	42.6	260.49	1.164	Level 2		
11,431.0	6,900.0	11,466.9	6,900.0	130.3	130.8	90.00	-831.3	4,589.7	303.1	42.4	260.70	1.163	Level 2, SF		

Company:	Synergy Resources	Local Co-ordinate Reference:	Well SRC Vista D-2N-A
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 D-2N-A	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							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	79.8	0.0	79.8					
100.0	100.0	100.0	100.0	0.1	0.1	0.00	79.8	0.0	79.8	79.6	0.22	354.944		
200.0	200.0	200.0	200.0	0.3	0.3	0.00	79.8	0.0	79.8	79.1	0.67	118.315		
300.0	300.0	300.0	300.0	0.6	0.6	0.00	79.8	0.0	79.8	78.7	1.12	70.989		
400.0	400.0	400.0	400.0	0.8	0.8	0.00	79.8	0.0	79.8	78.2	1.57	50.706		
500.0	500.0	500.0	500.0	1.0	1.0	0.00	79.8	0.0	79.8	77.8	2.02	39.438		
600.0	600.0	600.0	600.0	1.2	1.2	0.00	79.8	0.0	79.8	77.3	2.47	32.268		
700.0	700.0	700.0	700.0	1.5	1.5	0.00	79.8	0.0	79.8	76.9	2.92	27.303		
800.0	800.0	800.0	800.0	1.7	1.7	0.00	79.8	0.0	79.8	76.4	3.37	23.663		
900.0	900.0	900.0	900.0	1.9	1.9	0.00	79.8	0.0	79.8	76.0	3.82	20.879		
1,000.0	1,000.0	1,000.0	1,000.0	2.1	2.1	0.00	79.8	0.0	79.8	75.5	4.27	18.681		
1,100.0	1,100.0	1,100.0	1,100.0	2.4	2.4	0.00	79.8	0.0	79.8	75.1	4.72	16.902		
1,200.0	1,200.0	1,200.0	1,200.0	2.6	2.6	0.00	79.8	0.0	79.8	74.6	5.17	15.432 CC, ES		
1,300.0	1,300.0	1,300.0	1,300.0	2.8	2.8	161.30	79.8	0.0	81.0	75.4	5.59	14.490		
1,400.0	1,399.9	1,399.9	1,399.9	3.0	3.0	162.14	79.8	0.0	84.7	78.8	5.99	14.148		
1,500.0	1,499.7	1,498.0	1,498.0	3.1	3.3	162.80	80.7	-0.8	91.9	85.5	6.39	14.392		
1,600.0	1,599.3	1,595.5	1,595.4	3.3	3.5	162.79	83.5	-3.3	103.4	96.7	6.79	15.242		
1,700.0	1,698.6	1,692.2	1,691.9	3.6	3.7	162.30	88.2	-7.4	119.3	112.1	7.19	16.586		
1,800.0	1,797.5	1,787.7	1,787.1	3.8	3.9	161.53	94.5	-13.0	139.4	131.8	7.60	18.336		
1,823.5	1,820.8	1,810.0	1,809.3	3.9	4.0	161.32	96.3	-14.5	144.8	137.1	7.70	18.799		
1,900.0	1,896.2	1,882.4	1,881.1	4.1	4.1	160.64	102.6	-20.1	163.1	155.0	8.03	20.296		
2,000.0	1,994.9	1,979.3	1,977.2	4.4	4.4	159.78	111.6	-28.0	187.6	179.1	8.48	22.113		
2,100.0	2,093.6	2,076.2	2,073.4	4.7	4.6	159.12	120.6	-36.0	212.1	203.1	8.94	23.730		
2,200.0	2,192.2	2,173.1	2,169.6	5.0	4.9	158.60	129.6	-43.9	236.6	227.2	9.40	25.165		
2,300.0	2,290.9	2,270.0	2,265.8	5.3	5.2	158.18	138.6	-51.9	261.2	251.3	9.88	26.449		
2,400.0	2,389.6	2,366.9	2,361.9	5.6	5.4	157.83	147.6	-59.8	285.8	275.4	10.36	27.599		
2,500.0	2,488.2	2,463.9	2,458.1	6.0	5.7	157.53	156.6	-67.7	310.4	299.5	10.84	28.633		
2,600.0	2,586.9	2,560.8	2,554.3	6.3	6.0	157.28	165.5	-75.7	335.0	323.6	11.33	29.566		
2,700.0	2,685.6	2,657.7	2,650.5	6.7	6.3	157.06	174.5	-83.6	359.6	347.7	11.82	30.410		
2,800.0	2,784.3	2,754.6	2,746.6	7.0	6.5	156.87	183.5	-91.5	384.2	371.8	12.32	31.178		
2,900.0	2,882.9	2,851.5	2,842.8	7.4	6.8	156.70	192.5	-99.5	408.8	396.0	12.82	31.878		
3,000.0	2,981.6	2,948.5	2,939.0	7.7	7.1	156.55	201.5	-107.4	433.4	420.1	13.33	32.519		
3,100.0	3,080.3	3,045.4	3,035.2	8.1	7.4	156.42	210.5	-115.3	458.0	444.2	13.83	33.106		
3,200.0	3,178.9	3,142.3	3,131.3	8.4	7.7	156.30	219.5	-123.3	482.6	468.3	14.34	33.647		
3,300.0	3,277.6	3,239.2	3,227.5	8.8	8.0	156.20	228.5	-131.2	507.2	492.4	14.85	34.146		
3,400.0	3,376.3	3,336.1	3,323.7	9.2	8.3	156.10	237.5	-139.1	531.8	516.5	15.37	34.607		
3,500.0	3,474.9	3,433.1	3,419.8	9.5	8.6	156.01	246.5	-147.1	556.5	540.6	15.88	35.035		
3,600.0	3,573.6	3,530.0	3,516.0	9.9	8.9	155.93	255.5	-155.0	581.1	564.7	16.40	35.432		
3,700.0	3,672.3	3,626.9	3,612.2	10.3	9.2	155.85	264.5	-162.9	605.7	588.8	16.92	35.803		
3,800.0	3,771.0	3,723.8	3,708.4	10.7	9.5	155.79	273.5	-170.9	630.3	612.9	17.44	36.149		
3,900.0	3,869.6	3,820.7	3,804.5	11.0	9.8	155.72	282.5	-178.8	655.0	637.0	17.96	36.472		
4,000.0	3,968.3	3,917.6	3,900.7	11.4	10.1	155.66	291.5	-186.7	679.6	661.1	18.48	36.775		
4,100.0	4,067.0	4,027.3	4,009.6	11.8	10.4	155.64	301.1	-195.2	703.7	684.7	19.00	37.038		
4,200.0	4,165.6	4,149.5	4,131.4	12.2	10.6	155.83	308.5	-201.7	724.9	705.4	19.49	37.200		
4,300.0	4,264.3	4,273.2	4,255.0	12.5	10.9	156.26	311.9	-204.8	742.8	722.8	19.96	37.215		
4,400.0	4,363.0	4,381.2	4,363.0	12.9	11.0	156.78	312.2	-205.0	757.9	737.5	20.40	37.145		
4,500.0	4,461.7	4,479.8	4,461.7	13.3	11.2	157.26	312.2	-205.0	772.9	752.1	20.86	37.052		
4,600.0	4,560.3	4,578.5	4,560.3	13.7	11.4	157.71	312.2	-205.0	788.0	766.6	21.32	36.958		
4,700.0	4,659.0	4,677.2	4,659.0	14.0	11.6	158.15	312.2	-205.0	803.1	781.3	21.78	36.872		
4,800.0	4,757.7	4,775.8	4,757.7	14.4	11.8	158.57	312.2	-205.0	818.2	795.9	22.24	36.791		
4,900.0	4,856.3	4,874.5	4,856.3	14.8	12.0	158.98	312.2	-205.0	833.4	810.7	22.70	36.715		
5,000.0	4,955.0	4,973.2	4,955.0	15.2	12.2	159.37	312.2	-205.0	848.6	825.4	23.16	36.644		

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 D-2N-A
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 D-2N-A	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							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		
5,079.0	5,032.9	5,051.1	5,032.9	15.5	12.3	159.67	312.2	-205.0	860.6	837.1	23.52	36.592		
5,100.0	5,053.7	5,071.9	5,053.7	15.5	12.4	159.77	312.2	-205.0	863.8	840.1	23.63	36.555		
5,200.0	5,152.7	5,170.9	5,152.7	15.8	12.6	160.17	312.2	-205.0	876.7	852.6	24.11	36.359		
5,300.0	5,252.2	5,270.4	5,252.2	16.0	12.8	160.47	312.2	-205.0	886.5	861.9	24.57	36.082		
5,400.0	5,351.9	5,370.1	5,351.9	16.2	13.0	160.66	312.2	-205.0	892.9	868.0	24.99	35.730		
5,500.0	5,451.9	5,470.1	5,451.9	16.4	13.2	160.75	312.2	-205.0	896.1	870.7	25.38	35.306		
5,546.6	5,498.5	5,516.7	5,498.5	16.5	13.3	-0.25	312.2	-205.0	896.5	867.7	28.80	31.132		
5,600.0	5,551.9	5,570.1	5,551.9	16.5	13.4	-0.25	312.2	-205.0	896.5	867.5	28.99	30.927		
5,700.0	5,651.9	5,670.1	5,651.9	16.7	13.6	-0.25	312.2	-205.0	896.5	867.2	29.33	30.563		
5,800.0	5,751.9	5,770.1	5,751.9	16.8	13.8	-0.25	312.2	-205.0	896.5	866.8	29.68	30.205		
5,900.0	5,851.9	5,870.1	5,851.9	16.9	14.0	-0.25	312.2	-205.0	896.5	866.5	30.03	29.853		
6,000.0	5,951.9	5,970.1	5,951.9	17.1	14.2	-0.25	312.2	-205.0	896.5	866.1	30.38	29.506		
6,100.0	6,051.9	6,070.1	6,051.9	17.2	14.4	-0.25	312.2	-205.0	896.5	865.7	30.74	29.165		
6,200.0	6,151.9	6,170.1	6,151.9	17.4	14.6	-0.25	312.2	-205.0	896.5	865.4	31.10	28.830		
6,231.9	6,183.8	6,202.0	6,183.8	17.4	14.7	-0.25	312.2	-205.0	896.5	865.3	31.21	28.725		
6,250.0	6,201.9	6,219.9	6,201.7	17.4	14.7	-89.58	312.2	-204.8	896.5	868.2	28.31	31.663		
6,300.0	6,251.8	6,269.4	6,251.2	17.5	14.8	-89.58	312.2	-201.8	896.5	868.0	28.48	31.481		
6,350.0	6,301.3	6,319.0	6,300.3	17.6	14.8	-89.58	312.3	-195.5	896.5	867.9	28.61	31.333		
6,400.0	6,350.3	6,368.5	6,348.9	17.6	14.9	-89.59	312.4	-185.7	896.5	867.8	28.73	31.209		
6,450.0	6,398.5	6,418.1	6,396.6	17.6	14.9	-89.60	312.6	-172.6	896.5	867.7	28.82	31.104		
6,500.0	6,445.7	6,467.7	6,443.4	17.7	15.0	-89.61	312.8	-156.3	896.5	867.6	28.91	31.007		
6,550.0	6,491.5	6,517.2	6,489.0	17.7	15.0	-89.62	313.0	-136.7	896.5	867.5	29.00	30.909		
6,600.0	6,535.9	6,566.8	6,533.1	17.7	15.1	-89.63	313.2	-114.1	896.5	867.4	29.11	30.795		
6,650.0	6,578.5	6,616.4	6,575.5	17.7	15.1	-89.65	313.5	-88.4	896.5	867.2	29.25	30.648		
6,700.0	6,619.3	6,666.1	6,616.1	17.7	15.1	-89.66	313.9	-59.8	896.5	867.0	29.44	30.451		
6,750.0	6,657.9	6,715.7	6,654.6	17.8	15.2	-89.68	314.2	-28.5	896.5	866.8	29.70	30.185		
6,800.0	6,694.2	6,765.4	6,690.9	17.8	15.3	-89.70	314.6	5.4	896.5	866.4	30.05	29.830		
6,850.0	6,728.0	6,815.1	6,724.7	17.8	15.4	-89.72	315.1	41.8	896.5	866.0	30.52	29.373		
6,900.0	6,759.1	6,864.8	6,756.0	17.9	15.7	-89.75	315.5	80.4	896.5	865.4	31.12	28.805		
6,950.0	6,787.5	6,914.5	6,784.5	17.9	16.1	-89.77	316.0	121.1	896.5	864.6	31.88	28.124		
7,000.0	6,812.9	6,964.3	6,810.1	18.0	16.6	-89.80	316.5	163.8	896.5	863.7	32.79	27.338		
7,050.0	6,835.2	7,014.1	6,832.7	18.2	17.2	-89.82	317.0	208.1	896.5	862.6	33.88	26.461		
7,100.0	6,854.4	7,063.9	6,852.2	18.6	17.8	-89.85	317.6	253.9	896.5	861.3	35.14	25.515		
7,150.0	6,870.3	7,113.7	6,868.5	19.0	18.5	-89.88	318.1	301.1	896.5	859.9	36.56	24.523		
7,200.0	6,882.9	7,163.6	6,881.4	19.7	19.3	-89.91	318.7	349.2	896.5	858.3	38.13	23.512		
7,208.2	6,884.6	7,171.8	6,883.3	19.8	19.4	-89.91	318.8	357.2	896.5	858.1	38.41	23.342		
7,250.0	6,892.0	7,213.5	6,891.0	20.5	20.2	-89.94	319.3	398.2	896.5	856.6	39.84	22.504		
7,300.0	6,897.7	7,263.5	6,897.2	21.3	21.1	-89.96	319.8	447.7	896.5	854.8	41.66	21.519		
7,350.0	6,900.0	7,313.4	6,899.9	22.3	22.0	-89.99	320.4	497.6	896.5	852.9	43.58	20.573		
7,356.9	6,900.0	7,320.4	6,900.0	22.4	22.2	-90.00	320.5	504.5	896.5	852.6	43.85	20.446		
7,400.0	6,900.0	7,363.4	6,900.0	23.2	23.0	-90.00	321.0	547.6	896.5	850.9	45.58	19.667		
7,500.0	6,900.0	7,463.4	6,900.0	25.3	25.1	-90.00	322.2	647.6	896.5	846.7	49.82	17.996		
7,600.0	6,900.0	7,563.4	6,900.0	27.5	27.4	-90.00	323.4	747.6	896.5	842.2	54.29	16.512		
7,700.0	6,900.0	7,663.4	6,900.0	29.8	29.7	-90.00	324.5	847.6	896.5	837.5	58.96	15.204		
7,800.0	6,900.0	7,763.4	6,900.0	32.2	32.1	-90.00	325.7	947.6	896.5	832.7	63.79	14.054		
7,900.0	6,900.0	7,863.4	6,900.0	34.7	34.5	-90.00	326.9	1,047.6	896.5	827.8	68.73	13.044		
8,000.0	6,900.0	7,963.4	6,900.0	37.2	37.1	-90.00	328.0	1,147.6	896.5	822.7	73.77	12.153		
8,100.0	6,900.0	8,063.4	6,900.0	39.7	39.6	-90.00	329.2	1,247.6	896.5	817.6	78.88	11.365		
8,200.0	6,900.0	8,163.4	6,900.0	42.3	42.2	-90.00	330.4	1,347.6	896.5	812.4	84.06	10.665		
8,300.0	6,900.0	8,263.4	6,900.0	44.9	44.8	-90.00	331.6	1,447.5	896.5	807.2	89.29	10.040		
8,400.0	6,900.0	8,363.4	6,900.0	47.5	47.4	-90.00	332.7	1,547.5	896.5	801.9	94.56	9.480		
8,500.0	6,900.0	8,463.4	6,900.0	50.2	50.1	-90.00	333.9	1,647.5	896.5	796.6	99.88	8.976		

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

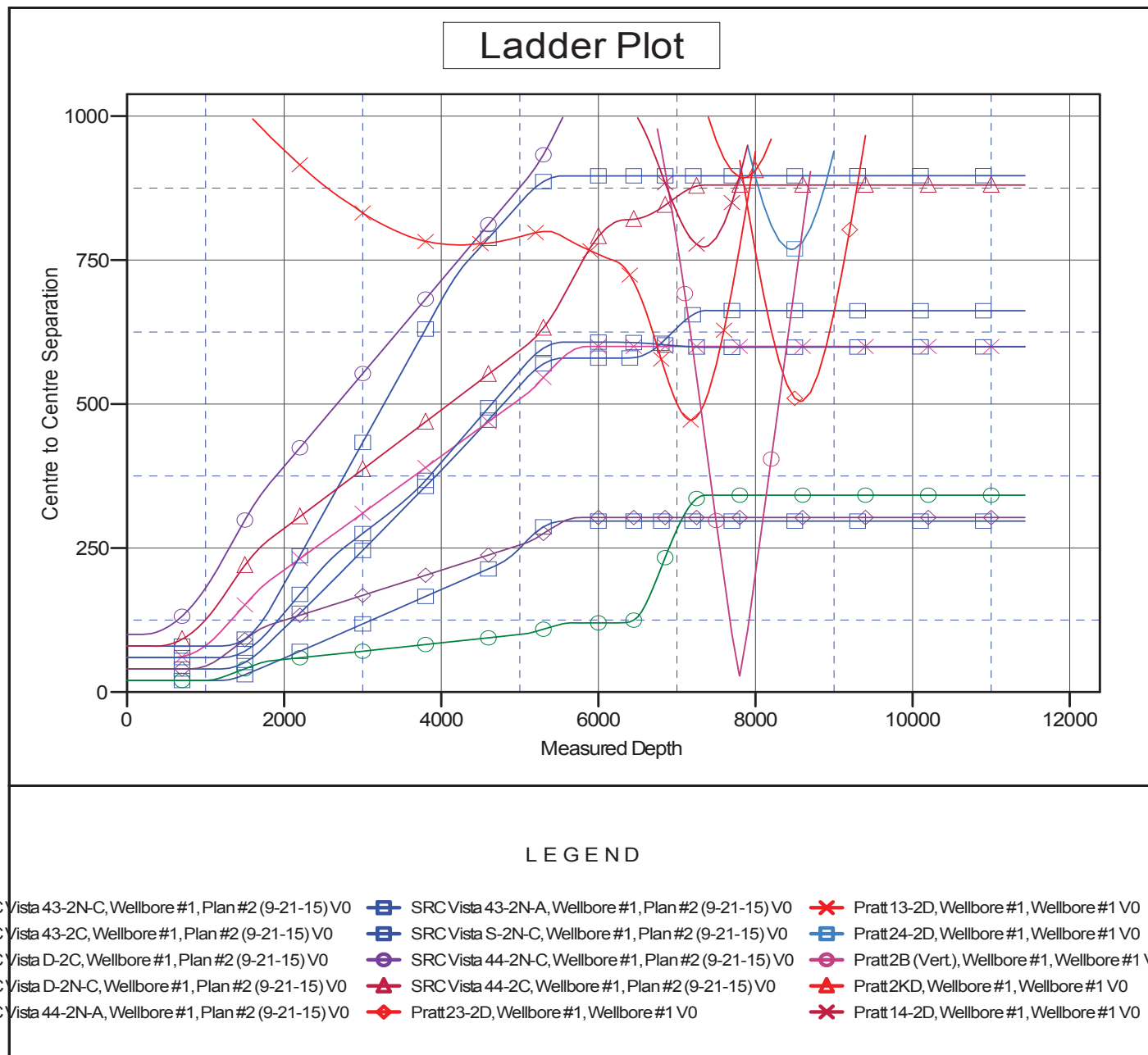
Company:	Synergy Resources	Local Co-ordinate Reference:	Well SRC Vista D-2N-A
Project:	SEC.2-T4N-R68W	TVD Reference:	WELL @ 5013.5ft (Ensign 131 RKB - 13.5)
Reference Site:	SRC Vista Pad Sec.2-T4N-R68W	MD Reference:	WELL @ 5013.5ft (Ensign 131 RKB - 13.5)
Site Error:	0.0 ft	North Reference:	True
Reference Well:	SRC Vista D-2N-A	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		
8,600.0	6,900.0	8,563.4	6,900.0	52.8	52.7	-90.00	335.1	1,747.5	896.5	791.3	105.22	8.520		
8,700.0	6,900.0	8,663.4	6,900.0	55.5	55.4	-90.00	336.3	1,847.5	896.5	785.9	110.59	8.107		
8,800.0	6,900.0	8,763.4	6,900.0	58.2	58.1	-90.00	337.4	1,947.5	896.5	780.5	115.98	7.730		
8,900.0	6,900.0	8,863.4	6,900.0	60.9	60.8	-90.00	338.6	2,047.5	896.5	775.1	121.39	7.385		
9,000.0	6,900.0	8,963.4	6,900.0	63.6	63.5	-90.00	339.8	2,147.5	896.5	769.7	126.81	7.069		
9,100.0	6,900.0	9,063.4	6,900.0	66.3	66.2	-90.00	341.0	2,247.5	896.5	764.2	132.26	6.778		
9,200.0	6,900.0	9,163.4	6,900.0	69.0	69.0	-90.00	342.1	2,347.5	896.5	758.8	137.71	6.510		
9,300.0	6,900.0	9,263.4	6,900.0	71.7	71.7	-90.00	343.3	2,447.5	896.5	753.3	143.18	6.261		
9,400.0	6,900.0	9,363.4	6,900.0	74.5	74.4	-90.00	344.5	2,547.5	896.5	747.8	148.66	6.031		
9,500.0	6,900.0	9,463.4	6,900.0	77.2	77.2	-90.00	345.6	2,647.5	896.5	742.4	154.15	5.816		
9,600.0	6,900.0	9,563.4	6,900.0	80.0	79.9	-90.00	346.8	2,747.5	896.5	736.9	159.65	5.616		
9,700.0	6,900.0	9,663.4	6,900.0	82.7	82.7	-90.00	348.0	2,847.4	896.5	731.4	165.15	5.428		
9,800.0	6,900.0	9,763.4	6,900.0	85.5	85.4	-90.00	349.2	2,947.4	896.5	725.8	170.66	5.253		
9,900.0	6,900.0	9,863.4	6,900.0	88.2	88.2	-90.00	350.3	3,047.4	896.5	720.3	176.18	5.089		
10,000.0	6,900.0	9,963.4	6,900.0	91.0	90.9	-90.00	351.5	3,147.4	896.5	714.8	181.70	4.934		
10,100.0	6,900.0	10,063.4	6,900.0	93.7	93.7	-90.00	352.7	3,247.4	896.5	709.3	187.23	4.788		
10,200.0	6,900.0	10,163.4	6,900.0	96.5	96.5	-90.00	353.9	3,347.4	896.5	703.8	192.76	4.651		
10,300.0	6,900.0	10,263.4	6,900.0	99.3	99.2	-90.00	355.0	3,447.4	896.5	698.2	198.30	4.521		
10,400.0	6,900.0	10,363.4	6,900.0	102.0	102.0	-90.00	356.2	3,547.4	896.5	692.7	203.84	4.398		
10,500.0	6,900.0	10,463.4	6,900.0	104.8	104.8	-90.00	357.4	3,647.4	896.5	687.1	209.38	4.282		
10,600.0	6,900.0	10,563.4	6,900.0	107.6	107.6	-90.00	358.5	3,747.4	896.5	681.6	214.93	4.171		
10,700.0	6,900.0	10,663.4	6,900.0	110.3	110.3	-90.00	359.7	3,847.4	896.5	676.0	220.48	4.066		
10,800.0	6,900.0	10,763.4	6,900.0	113.1	113.1	-90.00	360.9	3,947.4	896.5	670.5	226.04	3.966		
10,900.0	6,900.0	10,863.4	6,900.0	115.9	115.9	-90.00	362.1	4,047.4	896.5	664.9	231.59	3.871		
11,000.0	6,900.0	10,963.4	6,900.0	118.7	118.7	-90.00	363.2	4,147.4	896.5	659.4	237.15	3.780		
11,100.0	6,900.0	11,063.4	6,900.0	121.4	121.4	-90.00	364.4	4,247.4	896.5	653.8	242.71	3.694		
11,200.0	6,900.0	11,163.4	6,900.0	124.2	124.2	-90.00	365.6	4,347.3	896.5	648.3	248.28	3.611		
11,300.0	6,900.0	11,263.4	6,900.0	127.0	127.0	-90.00	366.8	4,447.3	896.5	642.7	253.84	3.532		
11,400.0	6,900.0	11,363.4	6,900.0	129.8	129.8	-90.00	367.9	4,547.3	896.5	637.1	259.41	3.456		
11,431.0	6,900.0	11,394.4	6,900.0	130.3	130.6	-90.00	368.3	4,578.3	896.5	635.7	260.83	3.437 SF		

Company:	Synergy Resources	Local Co-ordinate Reference:	Well SRC Vista D-2N-A
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 D-2N-A	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 D-2N-A
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 D-2N-A
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 D-2N-A	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 D-2N-A
Coordinate System is US State Plane 1983, Colorado Northern Zone
Grid Convergence at Surface is: 0.34°

