Synergy Resources

Well Name: **Conrad 44-1GHZ**

Surface Location: Brian Conrad 1-C Pad Sec.1-T6N-R59W

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

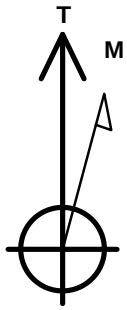
Ground Elevation: 4911.0

+N/-S	+E/-W	Northing	Easting	Latittude	Longitude	Slot
0.0	0.0	1437216.84	3437633.22	40.522897	-103.925728	

RKB - 13.5' WELL @ 4924.5ft (RKB - 13.5')

WELLBORE TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Shape
SHL 317'FSL & 2177'FEL	1.0	0.0	0.0	Point
BHL 600'FSL & 950'FEL	6183.0	-4375.8	1211.5	Point
Landing Pt. 685'FNL & 950'FEL	6183.0	-372.3	1225.8	Point



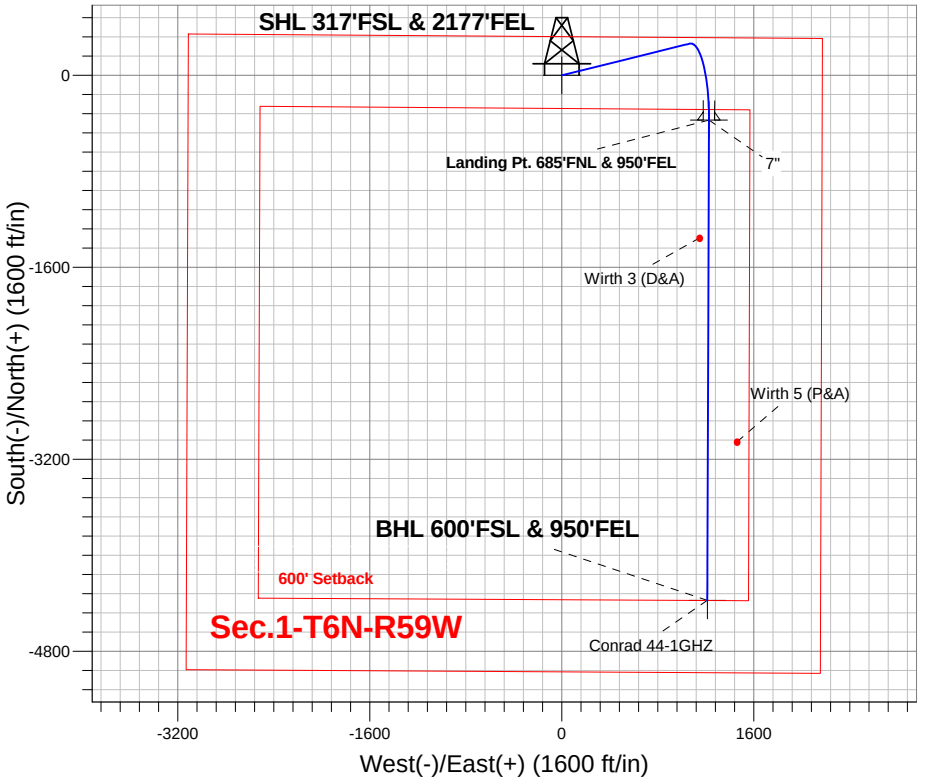
Azimuths to True North
Magnetic North: 7.93°

Magnetic Field
Strength: 52901.7snT
Dip Angle: 67.16°
Date: 1/14/2015
Model: IGRF2010

Brian Conrad 1-C Pad Sec.1-T6N-R59W
Conrad 44-1GHZ
Plan #2 (4-22-15)
16:11, April 22 2015

ANNOTATIONS

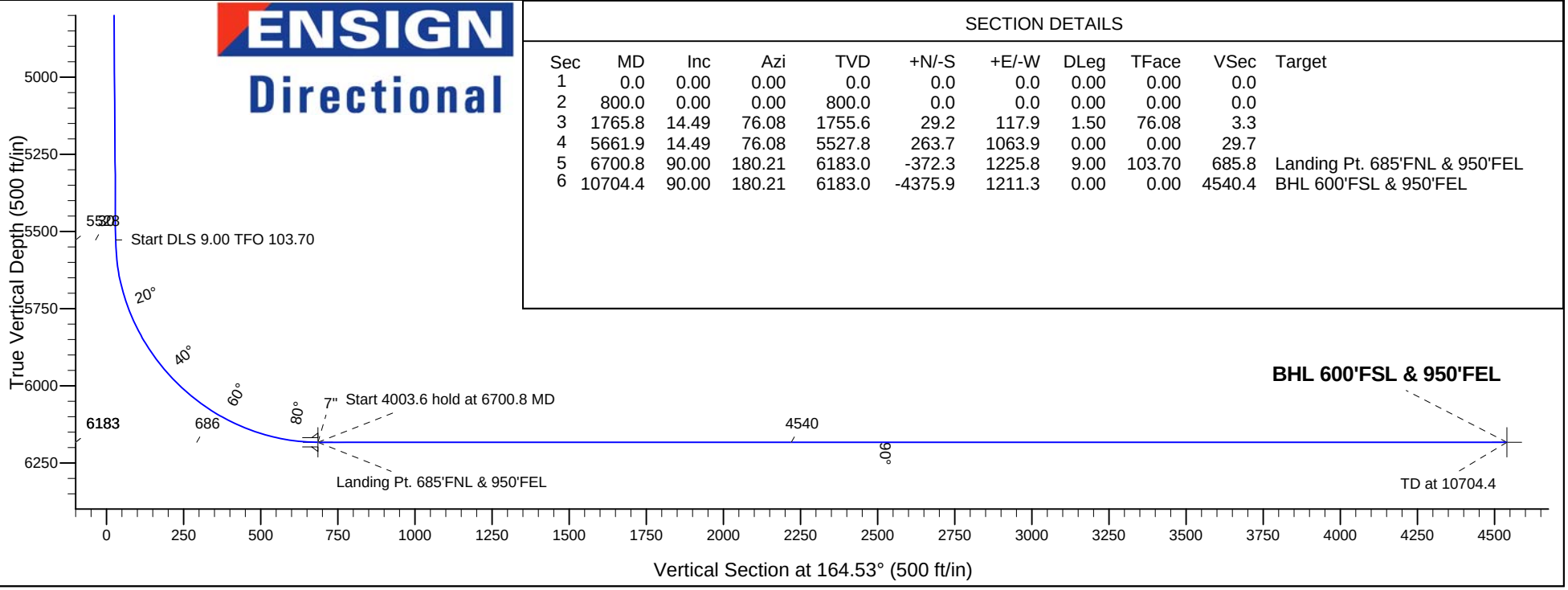
TVD	MD	Annotation
800.0	800.0	KOP - Start Build 1.50
5527.8	5661.9	Start DLS 9.00 TFO 103.70
6183.0	6700.8	Start 4003.6 hold at 6700.8 MD
6183.0	10704.4	TD at 10704.4



ENSIGN Directional

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	800.0	0.00	0.00	800.0	0.0	0.0	0.00	0.00	0.0	
3	1765.8	14.49	76.08	1755.6	29.2	117.9	1.50	76.08	3.3	
4	5661.9	14.49	76.08	5527.8	263.7	1063.9	0.00	0.00	29.7	
5	6700.8	90.00	180.21	6183.0	-372.3	1225.8	9.00	103.70	685.8	Landing Pt. 685'FNL & 950'FEL
6	10704.4	90.00	180.21	6183.0	-4375.9	1211.3	0.00	0.00	4540.4	BHL 600'FSL & 950'FEL



Synergy Resources

SEC.1-T6N-R59W
Brian Conrad 1-C Pad Sec.1-T6N-R59W
Conrad 44-1GHZ

Wellbore #1

Plan: Plan #2 (4-22-15)

Standard Planning Report

22 April, 2015

Database:	Landmark	**Local Co-ordinate Reference:**	Well Conrad 44-1GHZ
Company:	Synergy Resources	**TVD Reference:**	WELL @ 4924.5ft (RKB - 13.5')
Project:	SEC.1-T6N-R59W	**MD Reference:**	WELL @ 4924.5ft (RKB - 13.5')
Site:	Brian Conrad 1-C Pad Sec.1-T6N-R59W	**North Reference:**	True
Well:	Conrad 44-1GHZ	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan #2 (4-22-15)		

Project SEC.1-T6N-R59W, Morgan County, CO

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 Brian Conrad 1-C Pad Sec.1-T6N-R59W

Site Position:		**Northing:**	1,437,177.96 ft	**Latitude:**	40.522805
From:	Lat/Long	**Easting:**	3,437,331.12 ft	**Longitude:**	-103.926817
Position Uncertainty:	0.0 ft	**Slot Radius:**	"	**Grid Convergence:**	1.02 °

Well Conrad 44-1GHZ

Well Position	**+N/-S**	33.5 ft	**Northing:**	1,437,216.84 ft	**Latitude:**	40.522897
	+E/-W	302.8 ft	**Easting:**	3,437,633.22 ft	**Longitude:**	-103.925728
Position Uncertainty		0.0 ft	**Wellhead Elevation:**	ft	**Ground Level:**	4,911.0 ft

Wellbore Wellbore #1

Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	1/14/2015	7.93	67.16	52,902

Design Plan #2 (4-22-15)

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	164.53

Plan Sections

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	TFO (°)	Target
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
800.0	0.00	0.00	800.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,765.8	14.49	76.08	1,755.6	29.2	117.9	1.50	1.50	0.00	76.08	
5,661.9	14.49	76.08	5,527.8	263.7	1,063.9	0.00	0.00	0.00	0.00	
6,700.8	90.00	180.21	6,183.0	-372.3	1,225.8	9.00	7.27	10.02	103.70	Landing Pt. 685'FN
10,704.4	90.00	180.21	6,183.0	-4,375.9	1,211.3	0.00	0.00	0.00	0.00	BHL 600'FSL & 950

Database:	Landmark	**Local Co-ordinate Reference:**	Well Conrad 44-1GHZ
Company:	Synergy Resources	**TVD Reference:**	WELL @ 4924.5ft (RKB - 13.5')
Project:	SEC.1-T6N-R59W	**MD Reference:**	WELL @ 4924.5ft (RKB - 13.5')
Site:	Brian Conrad 1-C Pad Sec.1-T6N-R59W	**North Reference:**	True
Well:	Conrad 44-1GHZ	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan #2 (4-22-15)		

Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
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
KOP - Start Build 1.50									
900.0	1.50	76.08	900.0	0.3	1.3	0.0	1.50	1.50	0.00
1,000.0	3.00	76.08	999.9	1.3	5.1	0.1	1.50	1.50	0.00
1,100.0	4.50	76.08	1,099.7	2.8	11.4	0.3	1.50	1.50	0.00
1,200.0	6.00	76.08	1,199.3	5.0	20.3	0.6	1.50	1.50	0.00
1,300.0	7.50	76.08	1,298.6	7.9	31.7	0.9	1.50	1.50	0.00
1,400.0	9.00	76.08	1,397.5	11.3	45.6	1.3	1.50	1.50	0.00
1,500.0	10.50	76.08	1,496.1	15.4	62.1	1.7	1.50	1.50	0.00
1,600.0	12.00	76.08	1,594.2	20.1	81.0	2.3	1.50	1.50	0.00
1,700.0	13.50	76.08	1,691.7	25.4	102.4	2.9	1.50	1.50	0.00
1,765.8	14.49	76.08	1,755.6	29.2	117.9	3.3	1.50	1.50	0.00
1,800.0	14.49	76.08	1,788.7	31.3	126.2	3.5	0.00	0.00	0.00
1,900.0	14.49	76.08	1,885.5	37.3	150.5	4.2	0.00	0.00	0.00
2,000.0	14.49	76.08	1,982.3	43.3	174.7	4.9	0.00	0.00	0.00
2,100.0	14.49	76.08	2,079.1	49.3	199.0	5.5	0.00	0.00	0.00
2,200.0	14.49	76.08	2,175.9	55.4	223.3	6.2	0.00	0.00	0.00
2,300.0	14.49	76.08	2,272.8	61.4	247.6	6.9	0.00	0.00	0.00
2,400.0	14.49	76.08	2,369.6	67.4	271.9	7.6	0.00	0.00	0.00
2,500.0	14.49	76.08	2,466.4	73.4	296.2	8.3	0.00	0.00	0.00
2,600.0	14.49	76.08	2,563.2	79.4	320.4	8.9	0.00	0.00	0.00
2,700.0	14.49	76.08	2,660.0	85.5	344.7	9.6	0.00	0.00	0.00
2,800.0	14.49	76.08	2,756.9	91.5	369.0	10.3	0.00	0.00	0.00
2,900.0	14.49	76.08	2,853.7	97.5	393.3	11.0	0.00	0.00	0.00
3,000.0	14.49	76.08	2,950.5	103.5	417.6	11.6	0.00	0.00	0.00
3,100.0	14.49	76.08	3,047.3	109.5	441.8	12.3	0.00	0.00	0.00
3,200.0	14.49	76.08	3,144.1	115.5	466.1	13.0	0.00	0.00	0.00
3,300.0	14.49	76.08	3,241.0	121.6	490.4	13.7	0.00	0.00	0.00
3,400.0	14.49	76.08	3,337.8	127.6	514.7	14.3	0.00	0.00	0.00
3,500.0	14.49	76.08	3,434.6	133.6	539.0	15.0	0.00	0.00	0.00
3,600.0	14.49	76.08	3,531.4	139.6	563.3	15.7	0.00	0.00	0.00
3,700.0	14.49	76.08	3,628.2	145.6	587.5	16.4	0.00	0.00	0.00
3,800.0	14.49	76.08	3,725.1	151.7	611.8	17.1	0.00	0.00	0.00
3,900.0	14.49	76.08	3,821.9	157.7	636.1	17.7	0.00	0.00	0.00
4,000.0	14.49	76.08	3,918.7	163.7	660.4	18.4	0.00	0.00	0.00
4,100.0	14.49	76.08	4,015.5	169.7	684.7	19.1	0.00	0.00	0.00
4,200.0	14.49	76.08	4,112.3	175.7	708.9	19.8	0.00	0.00	0.00
4,300.0	14.49	76.08	4,209.2	181.8	733.2	20.4	0.00	0.00	0.00
4,400.0	14.49	76.08	4,306.0	187.8	757.5	21.1	0.00	0.00	0.00
4,500.0	14.49	76.08	4,402.8	193.8	781.8	21.8	0.00	0.00	0.00
4,600.0	14.49	76.08	4,499.6	199.8	806.1	22.5	0.00	0.00	0.00
4,700.0	14.49	76.08	4,596.4	205.8	830.3	23.2	0.00	0.00	0.00
4,800.0	14.49	76.08	4,693.3	211.8	854.6	23.8	0.00	0.00	0.00
4,900.0	14.49	76.08	4,790.1	217.9	878.9	24.5	0.00	0.00	0.00
5,000.0	14.49	76.08	4,886.9	223.9	903.2	25.2	0.00	0.00	0.00
5,100.0	14.49	76.08	4,983.7	229.9	927.5	25.9	0.00	0.00	0.00

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Site:	Brian Conrad 1-C Pad Sec.1-T6N-R59W	**North Reference:**	True
Well:	Conrad 44-1GHZ	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan #2 (4-22-15)		

Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
5,200.0	14.49	76.08	5,080.5	235.9	951.8	26.5	0.00	0.00	0.00
5,300.0	14.49	76.08	5,177.4	241.9	976.0	27.2	0.00	0.00	0.00
5,400.0	14.49	76.08	5,274.2	248.0	1,000.3	27.9	0.00	0.00	0.00
5,500.0	14.49	76.08	5,371.0	254.0	1,024.6	28.6	0.00	0.00	0.00
5,600.0	14.49	76.08	5,467.8	260.0	1,048.9	29.2	0.00	0.00	0.00
5,661.9	14.49	76.08	5,527.8	263.7	1,063.9	29.7	0.00	0.00	0.00
Start DLS 9.00 TFO 103.70									
5,700.0	14.07	89.91	5,564.7	264.9	1,073.2	31.0	9.00	-1.10	36.31
5,800.0	16.61	123.09	5,661.3	257.1	1,097.3	45.0	9.00	2.55	33.17
5,900.0	22.64	143.29	5,755.6	233.8	1,120.9	73.7	9.00	6.03	20.21
6,000.0	30.14	154.64	5,845.1	195.6	1,143.2	116.5	9.00	7.49	11.34
6,100.0	38.24	161.67	5,927.8	143.4	1,163.7	172.2	9.00	8.10	7.03
6,200.0	46.63	166.51	6,001.6	78.6	1,182.0	239.6	9.00	8.39	4.85
6,300.0	55.17	170.17	6,064.6	2.7	1,197.5	316.9	9.00	8.54	3.65
6,400.0	63.80	173.13	6,115.3	-82.5	1,209.9	402.3	9.00	8.63	2.96
6,500.0	72.49	175.67	6,152.5	-174.8	1,218.9	493.6	9.00	8.68	2.55
6,600.0	81.20	177.98	6,175.3	-271.9	1,224.2	588.7	9.00	8.71	2.31
6,700.0	89.93	180.19	6,183.0	-371.5	1,225.8	685.1	9.00	8.73	2.20
6,700.8	90.00	180.21	6,183.0	-372.3	1,225.8	685.8	8.99	8.72	2.19
Start 4003.6 hold at 6700.8 MD - 7"									
6,800.0	90.00	180.21	6,183.0	-471.5	1,225.4	781.3	0.00	0.00	0.00
6,900.0	90.00	180.21	6,183.0	-571.5	1,225.1	877.6	0.00	0.00	0.00
7,000.0	90.00	180.21	6,183.0	-671.5	1,224.7	973.9	0.00	0.00	0.00
7,100.0	90.00	180.21	6,183.0	-771.5	1,224.3	1,070.2	0.00	0.00	0.00
7,200.0	90.00	180.21	6,183.0	-871.5	1,224.0	1,166.4	0.00	0.00	0.00
7,300.0	90.00	180.21	6,183.0	-971.5	1,223.6	1,262.7	0.00	0.00	0.00
7,400.0	90.00	180.21	6,183.0	-1,071.5	1,223.3	1,359.0	0.00	0.00	0.00
7,500.0	90.00	180.21	6,183.0	-1,171.5	1,222.9	1,455.3	0.00	0.00	0.00
7,600.0	90.00	180.21	6,183.0	-1,271.5	1,222.5	1,551.6	0.00	0.00	0.00
7,700.0	90.00	180.21	6,183.0	-1,371.5	1,222.2	1,647.8	0.00	0.00	0.00
7,800.0	90.00	180.21	6,183.0	-1,471.5	1,221.8	1,744.1	0.00	0.00	0.00
7,900.0	90.00	180.21	6,183.0	-1,571.5	1,221.4	1,840.4	0.00	0.00	0.00
8,000.0	90.00	180.21	6,183.0	-1,671.5	1,221.1	1,936.7	0.00	0.00	0.00
8,100.0	90.00	180.21	6,183.0	-1,771.5	1,220.7	2,033.0	0.00	0.00	0.00
8,200.0	90.00	180.21	6,183.0	-1,871.5	1,220.4	2,129.2	0.00	0.00	0.00
8,300.0	90.00	180.21	6,183.0	-1,971.5	1,220.0	2,225.5	0.00	0.00	0.00
8,400.0	90.00	180.21	6,183.0	-2,071.5	1,219.6	2,321.8	0.00	0.00	0.00
8,500.0	90.00	180.21	6,183.0	-2,171.5	1,219.3	2,418.1	0.00	0.00	0.00
8,600.0	90.00	180.21	6,183.0	-2,271.5	1,218.9	2,514.3	0.00	0.00	0.00
8,700.0	90.00	180.21	6,183.0	-2,371.5	1,218.6	2,610.6	0.00	0.00	0.00
8,800.0	90.00	180.21	6,183.0	-2,471.5	1,218.2	2,706.9	0.00	0.00	0.00
8,900.0	90.00	180.21	6,183.0	-2,571.5	1,217.8	2,803.2	0.00	0.00	0.00
9,000.0	90.00	180.21	6,183.0	-2,671.5	1,217.5	2,899.5	0.00	0.00	0.00
9,100.0	90.00	180.21	6,183.0	-2,771.5	1,217.1	2,995.7	0.00	0.00	0.00
9,200.0	90.00	180.21	6,183.0	-2,871.5	1,216.7	3,092.0	0.00	0.00	0.00
9,300.0	90.00	180.21	6,183.0	-2,971.5	1,216.4	3,188.3	0.00	0.00	0.00
9,400.0	90.00	180.21	6,183.0	-3,071.5	1,216.0	3,284.6	0.00	0.00	0.00
9,500.0	90.00	180.21	6,183.0	-3,171.5	1,215.7	3,380.8	0.00	0.00	0.00
9,600.0	90.00	180.21	6,183.0	-3,271.5	1,215.3	3,477.1	0.00	0.00	0.00
9,700.0	90.00	180.21	6,183.0	-3,371.5	1,214.9	3,573.4	0.00	0.00	0.00
9,800.0	90.00	180.21	6,183.0	-3,471.5	1,214.6	3,669.7	0.00	0.00	0.00
9,900.0	90.00	180.21	6,183.0	-3,571.5	1,214.2	3,766.0	0.00	0.00	0.00
10,000.0	90.00	180.21	6,183.0	-3,671.5	1,213.8	3,862.2	0.00	0.00	0.00
10,100.0	90.00	180.21	6,183.0	-3,771.5	1,213.5	3,958.5	0.00	0.00	0.00

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Site:	Brian Conrad 1-C Pad Sec.1-T6N-R59W	**North Reference:**	True
Well:	Conrad 44-1GHZ	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan #2 (4-22-15)		

Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
10,200.0	90.00	180.21	6,183.0	-3,871.5	1,213.1	4,054.8	0.00	0.00	0.00
10,300.0	90.00	180.21	6,183.0	-3,971.5	1,212.8	4,151.1	0.00	0.00	0.00
10,400.0	90.00	180.21	6,183.0	-4,071.5	1,212.4	4,247.4	0.00	0.00	0.00
10,500.0	90.00	180.21	6,183.0	-4,171.5	1,212.0	4,343.6	0.00	0.00	0.00
10,600.0	90.00	180.21	6,183.0	-4,271.5	1,211.7	4,439.9	0.00	0.00	0.00
10,700.0	90.00	180.21	6,183.0	-4,371.5	1,211.3	4,536.2	0.00	0.00	0.00
10,704.4	90.00	180.21	6,183.0	-4,375.9	1,211.3	4,540.4	0.00	0.00	0.00

Targets

Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (ft)	Easting (ft)	Latitude	Longitude
Landing Pt. 685'FNL & - plan hits target center - Point	0.00	0.00	6,183.0	-372.3	1,225.8	1,436,866.37	3,438,865.38	40.521875	-103.921319
SHL 317'FSL & 2177'I - plan hits target center - Point	0.00	0.00	1.0	0.0	0.0	1,437,216.84	3,437,633.22	40.522897	-103.925728
BHL 600'FSL & 950'F - plan misses target center by 0.2ft at 10704.3ft MD (6183.0 TVD, -4375.8 N, 1211.3 E) - Point	0.00	0.00	6,183.0	-4,375.8	1,211.5	1,432,863.38	3,438,922.19	40.510886	-103.921371

Casing Points

Measured Depth (ft)	Vertical Depth (ft)	Name	Casing Diameter (")	Hole Diameter (")
6,700.8	6,183.0	7"	7	7-1/2

Plan Annotations

Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates +N/-S (ft)	Local Coordinates +E/-W (ft)	Comment
800.0	800.0	0.0	0.0	KOP - Start Build 1.50
5,661.9	5,527.8	29.2	117.9	Start DLS 9.00 TFO 103.70
6,700.8	6,183.0	263.7	1,063.9	Start 4003.6 hold at 6700.8 MD
10,704.4	6,183.0	-372.3	1,225.8	TD at 10704.4

ENSIGN
Directional

Synergy Resources

SEC.1-T6N-R59W
Brian Conrad 1-C Pad Sec.1-T6N-R59W
Conrad 44-1GHZ

Wellbore #1
Plan #2 (4-22-15)

Anticollision Report

22 April, 2015

Company:	Synergy Resources	**Local Co-ordinate Reference:**	Well Conrad 44-1GHZ
Project:	SEC.1-T6N-R59W	**TVD Reference:**	WELL @ 4924.5ft (RKB - 13.5')
Reference Site:	Brian Conrad 1-C Pad Sec.1-T6N-R59W	**MD Reference:**	WELL @ 4924.5ft (RKB - 13.5')
Site Error:	0.0ft	**North Reference:**	True
Reference Well:	Conrad 44-1GHZ	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0ft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	Landmark
Reference Design:	Plan #2 (4-22-15)	**Offset TVD Reference:**	Offset Datum

Reference Plan #2 (4-22-15)

Filter type:	NO GLOBAL FILTER: Using user defined selection & filtering criteria		
Interpolation Method:	MD Interval 100.0ft	**Error Model:**	ISCWSA
Depth Range:	Unlimited	**Scan Method:**	Closest Approach 3D
Results Limited by:	Maximum center-center distance of 1,000.0ft	**Error Surface:**	Elliptical Conic

Warning Levels Evaluated at: 2.00 **Sigma**

Survey Tool Program **Date** 4/22/2015

From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description
0.0	10,704.4	Plan #2 (4-22-15) (Wellbore #1)	MWD	MWD - Standard

Summary

Site Name Offset Well - Wellbore - Design	Reference Measured Depth (ft)	Offset Measured Depth (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Separation Factor	Warning
Brian Conrad 1-C Pad Sec.1-T6N-R59W						
Brian 31-1-36GHZ - Wellbore #1 - Plan #2 (4-22-15)	800.0	801.0	44.6	41.2	13.222	CC, ES
Brian 31-1-36GHZ - Wellbore #1 - Plan #2 (4-22-15)	1,000.0	1,000.9	48.6	44.4	11.461	SF
Brian 41-1-36GHZ - Wellbore #1 - Plan #2 (4-22-15)	566.3	567.3	20.0	17.7	8.628	CC
Brian 41-1-36GHZ - Wellbore #1 - Plan #2 (4-22-15)	600.0	601.0	20.0	17.6	8.101	ES
Brian 41-1-36GHZ - Wellbore #1 - Plan #2 (4-22-15)	5,600.0	5,592.7	95.5	48.2	2.017	SF
Brian C-1-36GHZ - Wellbore #1 - Plan #2 (4-22-15)	800.4	802.4	71.8	68.4	21.249	CC
Brian C-1-36GHZ - Wellbore #1 - Plan #2 (4-22-15)	900.0	902.1	72.1	68.3	18.934	ES
Brian C-1-36GHZ - Wellbore #1 - Plan #2 (4-22-15)	1,700.0	1,701.3	101.9	93.9	12.743	SF
Brian M-1-36GHZ - Wellbore #1 - Plan #2 (4-22-15)	800.0	799.0	44.7	41.3	13.266	CC, ES
Brian M-1-36GHZ - Wellbore #1 - Plan #2 (4-22-15)	1,000.0	998.9	49.8	45.6	11.754	SF
Brian R-1-36GHZ - Wellbore #1 - Plan #2 (4-22-15)	800.0	799.0	20.0	16.7	5.948	CC
Brian R-1-36GHZ - Wellbore #1 - Plan #2 (4-22-15)	900.0	899.0	20.4	16.6	5.359	ES
Brian R-1-36GHZ - Wellbore #1 - Plan #2 (4-22-15)	1,000.0	998.9	22.0	17.7	5.175	SF
Brian U-1-36GHZ - Wellbore #1 - Plan #2 (4-22-15)	166.0	168.0	59.8	59.2	113.633	CC
Brian U-1-36GHZ - Wellbore #1 - Plan #2 (4-22-15)	300.0	301.6	60.1	59.0	53.686	ES
Brian U-1-36GHZ - Wellbore #1 - Plan #2 (4-22-15)	5,700.0	5,671.5	311.8	280.8	10.065	SF
Conrad 34-1GHZ - Wellbore #1 - Plan #2 (4-22-15)	800.0	800.0	39.8	36.4	11.794	CC, ES
Conrad 34-1GHZ - Wellbore #1 - Plan #2 (4-22-15)	10,704.4	10,568.6	989.7	817.4	5.743	SF
Conrad D-1GHZ - Wellbore #1 - Plan #2 (4-22-15)	800.0	801.0	56.6	53.2	16.772	CC, ES
Conrad D-1GHZ - Wellbore #1 - Plan #2 (4-22-15)	10,704.4	10,590.8	660.1	487.1	3.815	SF
Conrad Q-1GHZ - Wellbore #1 - Plan #2 (4-22-15)	800.0	798.0	56.5	53.2	16.790	CC, ES
Conrad Q-1GHZ - Wellbore #1 - Plan #2 (4-22-15)	1,100.0	1,097.7	67.0	62.3	14.327	SF
Conrad T-1GHZ - Wellbore #1 - Plan #2 (4-22-15)	800.0	798.0	40.1	36.7	11.904	CC
Conrad T-1GHZ - Wellbore #1 - Plan #2 (4-22-15)	900.0	898.0	40.4	36.6	10.621	ES
Conrad T-1GHZ - Wellbore #1 - Plan #2 (4-22-15)	10,704.4	10,645.1	330.1	158.1	1.919	SF
Conrad Y-1GHZ - Wellbore #1 - Plan #2 (4-22-15)	366.0	368.0	39.7	38.3	27.874	CC
Conrad Y-1GHZ - Wellbore #1 - Plan #2 (4-22-15)	500.0	501.8	40.0	38.0	19.833	ES
Conrad Y-1GHZ - Wellbore #1 - Plan #2 (4-22-15)	10,704.4	10,775.0	330.3	156.7	1.902	SF
Existing Wells Sec.1-T6N-R59W						
Wirth 3 (D&A) - Wellbore #1 - Wellbore #1	7,684.0	6,159.5	73.4	-81.0	0.475	Level 1, CC, ES, SF
Wirth 5 (P&A) - Wellbore #1 - Wellbore #1	9,380.6	6,146.5	244.2	59.7	1.324	Level 3, CC, ES, SF

Company:	Synergy Resources	**Local Co-ordinate Reference:**	Well Conrad 44-1GHZ
Project:	SEC.1-T6N-R59W	**TVD Reference:**	WELL @ 4924.5ft (RKB - 13.5')
Reference Site:	Brian Conrad 1-C Pad Sec.1-T6N-R59W	**MD Reference:**	WELL @ 4924.5ft (RKB - 13.5')
Site Error:	0.0ft	**North Reference:**	True
Reference Well:	Conrad 44-1GHZ	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0ft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	Landmark
Reference Design:	Plan #2 (4-22-15)	**Offset TVD Reference:**	Offset Datum

Offset Design Brian Conrad 1-C Pad Sec.1-T6N-R59W - Brian 31-1-36GHZ - Wellbore #1 - Plan #2 (4-22-15) — **Offset Site Error:** 0.0 ft

Survey Program: 0-MWD — **Offset Well Error:** 0.0 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
0.0	0.0	1.0	1.0	0.0	0.0	-62.25	20.8	-39.5	44.6	44.6	0.00	N/A	
100.0	100.0	101.0	101.0	0.1	0.1	-62.25	20.8	-39.5	44.6	44.4	0.23	196.493	
200.0	200.0	201.0	201.0	0.3	0.3	-62.25	20.8	-39.5	44.6	43.9	0.68	65.933	
300.0	300.0	301.0	301.0	0.6	0.6	-62.25	20.8	-39.5	44.6	43.5	1.13	39.612	
400.0	400.0	401.0	401.0	0.8	0.8	-62.25	20.8	-39.5	44.6	43.0	1.58	28.311	
500.0	500.0	501.0	501.0	1.0	1.0	-62.25	20.8	-39.5	44.6	42.6	2.03	22.026	
600.0	600.0	601.0	601.0	1.2	1.2	-62.25	20.8	-39.5	44.6	42.1	2.47	18.025	
700.0	700.0	701.0	701.0	1.5	1.5	-62.25	20.8	-39.5	44.6	41.7	2.92	15.254	
800.0	800.0	801.0	801.0	1.7	1.7	-62.25	20.8	-39.5	44.6	41.2	3.37	13.222	CC, ES
900.0	900.0	901.0	901.0	1.9	1.9	-139.42	20.8	-39.5	45.6	41.8	3.81	11.958	
1,000.0	999.9	1,000.9	1,000.9	2.1	2.1	-142.40	20.8	-39.5	48.6	44.4	4.24	11.461	SF
1,100.0	1,099.7	1,100.7	1,100.7	2.3	2.4	-146.59	20.8	-39.5	54.0	49.3	4.68	11.537	
1,200.0	1,199.3	1,200.3	1,200.3	2.6	2.6	-151.20	20.8	-39.5	61.8	56.7	5.11	12.090	
1,300.0	1,298.6	1,300.5	1,300.5	2.8	2.8	-154.73	21.8	-38.6	71.7	66.2	5.55	12.933	
1,400.0	1,397.5	1,400.8	1,400.7	3.1	3.0	-156.50	24.9	-36.2	83.0	77.0	5.98	13.873	
1,500.0	1,496.1	1,501.2	1,500.9	3.4	3.3	-157.07	30.0	-32.0	95.3	88.9	6.42	14.845	
1,600.0	1,594.2	1,601.6	1,600.9	3.8	3.5	-156.82	37.2	-26.2	108.7	101.9	6.87	15.817	
1,700.0	1,691.7	1,701.3	1,699.9	4.1	3.7	-156.14	46.1	-19.0	123.4	116.1	7.35	16.791	
1,800.0	1,788.7	1,799.9	1,797.8	4.6	4.0	-155.90	55.2	-11.7	140.1	132.3	7.85	17.851	
1,900.0	1,885.5	1,898.4	1,895.6	5.0	4.2	-155.85	64.3	-4.3	157.4	149.0	8.38	18.775	
2,000.0	1,982.3	1,996.9	1,993.4	5.5	4.5	-155.81	73.4	3.0	174.6	165.7	8.93	19.562	
2,100.0	2,079.1	2,095.4	2,091.2	6.0	4.8	-155.78	82.5	10.4	191.9	182.4	9.48	20.238	
2,200.0	2,175.9	2,193.9	2,189.0	6.5	5.0	-155.75	91.5	17.7	209.1	199.1	10.04	20.820	
2,300.0	2,272.8	2,292.4	2,286.8	7.0	5.3	-155.73	100.6	25.1	226.3	215.7	10.61	21.327	
2,400.0	2,369.6	2,390.9	2,384.6	7.5	5.6	-155.71	109.7	32.4	243.6	232.4	11.19	21.771	
2,500.0	2,466.4	2,489.4	2,482.4	8.0	5.9	-155.69	118.8	39.7	260.8	249.1	11.77	22.161	
2,600.0	2,563.2	2,587.9	2,580.2	8.5	6.2	-155.68	127.9	47.1	278.1	265.7	12.36	22.506	
2,700.0	2,660.0	2,686.4	2,678.0	9.0	6.5	-155.67	137.0	54.4	295.3	282.4	12.94	22.814	
2,800.0	2,756.9	2,784.9	2,775.9	9.5	6.8	-155.66	146.1	61.8	312.5	299.0	13.54	23.089	
2,900.0	2,853.7	2,883.4	2,873.7	10.1	7.0	-155.64	155.2	69.1	329.8	315.7	14.13	23.336	
3,000.0	2,950.5	2,981.9	2,971.5	10.6	7.3	-155.64	164.2	76.5	347.0	332.3	14.73	23.559	
3,100.0	3,047.3	3,080.4	3,069.3	11.1	7.6	-155.63	173.3	83.8	364.3	348.9	15.33	23.761	
3,200.0	3,144.1	3,178.9	3,167.1	11.6	7.9	-155.62	182.4	91.2	381.5	365.6	15.93	23.945	
3,300.0	3,241.0	3,277.4	3,264.9	12.1	8.2	-155.61	191.5	98.5	398.8	382.2	16.54	24.113	
3,400.0	3,337.8	3,375.9	3,362.7	12.7	8.5	-155.61	200.6	105.9	416.0	398.9	17.14	24.267	
3,500.0	3,434.6	3,474.4	3,460.5	13.2	8.8	-155.60	209.7	113.2	433.2	415.5	17.75	24.408	
3,600.0	3,531.4	3,572.9	3,558.3	13.7	9.1	-155.59	218.8	120.5	450.5	432.1	18.36	24.538	
3,700.0	3,628.2	3,671.4	3,656.1	14.3	9.4	-155.59	227.9	127.9	467.7	448.7	18.97	24.658	
3,800.0	3,725.1	3,769.9	3,753.9	14.8	9.7	-155.58	237.0	135.2	485.0	465.4	19.58	24.770	
3,900.0	3,821.9	3,868.4	3,851.7	15.3	10.0	-155.58	246.0	142.6	502.2	482.0	20.19	24.873	
4,000.0	3,918.7	3,966.9	3,949.5	15.8	10.3	-155.58	255.1	149.9	519.4	498.6	20.80	24.969	
4,100.0	4,015.5	4,065.4	4,047.3	16.4	10.6	-155.57	264.2	157.3	536.7	515.3	21.42	25.059	
4,200.0	4,112.3	4,163.9	4,145.2	16.9	10.9	-155.57	273.3	164.6	553.9	531.9	22.03	25.143	
4,300.0	4,209.2	4,262.4	4,243.0	17.4	11.2	-155.57	282.4	172.0	571.2	548.5	22.65	25.222	
4,400.0	4,306.0	4,360.9	4,340.8	18.0	11.5	-155.56	291.5	179.3	588.4	565.1	23.26	25.295	
4,500.0	4,402.8	4,459.5	4,438.6	18.5	11.8	-155.56	300.6	186.6	605.6	581.8	23.88	25.365	
4,600.0	4,499.6	4,558.0	4,536.4	19.0	12.1	-155.56	309.7	194.0	622.9	598.4	24.49	25.430	
4,700.0	4,596.4	4,656.5	4,634.2	19.6	12.4	-155.55	318.7	201.3	640.1	615.0	25.11	25.491	
4,800.0	4,693.3	4,755.0	4,732.0	20.1	12.7	-155.55	327.8	208.7	657.4	631.6	25.73	25.549	
4,900.0	4,790.1	4,853.5	4,829.8	20.6	13.0	-155.55	336.9	216.0	674.6	648.3	26.35	25.604	
5,000.0	4,886.9	4,952.0	4,927.6	21.2	13.3	-155.55	346.0	223.4	691.8	664.9	26.97	25.656	
5,100.0	4,983.7	5,043.4	5,018.5	21.7	13.6	-155.59	354.0	229.8	709.4	681.9	27.52	25.776	

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

Company:	Synergy Resources	**Local Co-ordinate Reference:**	Well Conrad 44-1GHZ
Project:	SEC.1-T6N-R59W	**TVD Reference:**	WELL @ 4924.5ft (RKB - 13.5')
Reference Site:	Brian Conrad 1-C Pad Sec.1-T6N-R59W	**MD Reference:**	WELL @ 4924.5ft (RKB - 13.5')
Site Error:	0.0ft	**North Reference:**	True
Reference Well:	Conrad 44-1GHZ	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0ft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	Landmark
Reference Design:	Plan #2 (4-22-15)	**Offset TVD Reference:**	Offset Datum

Offset Design Brian Conrad 1-C Pad Sec.1-T6N-R59W - Brian 31-1-36GHZ - Wellbore #1 - Plan #2 (4-22-15)

Offset Site Error: 0.0 ft

Survey Program: 0-MWD

Offset Well Error: 0.0 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
5,200.0	5,080.5	5,130.9	5,105.7	22.2	13.8	-155.80	359.6	234.4	728.4	700.4	28.00	26.009	
5,300.0	5,177.4	5,217.7	5,192.3	22.8	13.9	-156.19	363.2	237.2	748.8	720.4	28.44	26.331	
5,400.0	5,274.2	5,303.5	5,278.1	23.3	14.1	-156.72	364.7	238.5	770.7	741.9	28.82	26.739	
5,500.0	5,371.0	5,397.4	5,372.0	23.8	14.2	-157.41	364.8	238.5	793.8	764.7	29.19	27.193	
5,600.0	5,467.8	5,494.2	5,468.8	24.4	14.4	-158.08	364.8	238.5	817.1	787.5	29.58	27.621	
5,700.0	5,564.7	5,588.9	5,563.5	24.9	14.6	-172.86	365.0	238.5	840.6	810.8	29.82	28.194	
5,800.0	5,661.3	5,672.7	5,646.9	25.3	14.8	153.49	372.7	238.7	866.5	836.6	29.91	28.971	
5,900.0	5,755.6	5,750.0	5,722.3	25.7	15.1	133.79	389.5	239.1	896.1	866.0	30.12	29.748	
6,000.0	5,845.1	5,800.0	5,769.8	26.0	15.3	122.34	405.1	239.4	930.9	900.7	30.18	30.843	
6,100.0	5,927.8	5,850.0	5,815.9	26.2	15.5	115.01	424.5	239.8	972.3	941.9	30.32	32.063	

Company:	Synergy Resources	**Local Co-ordinate Reference:**	Well Conrad 44-1GHZ
Project:	SEC.1-T6N-R59W	**TVD Reference:**	WELL @ 4924.5ft (RKB - 13.5')
Reference Site:	Brian Conrad 1-C Pad Sec.1-T6N-R59W	**MD Reference:**	WELL @ 4924.5ft (RKB - 13.5')
Site Error:	0.0ft	**North Reference:**	True
Reference Well:	Conrad 44-1GHZ	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0ft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	Landmark
Reference Design:	Plan #2 (4-22-15)	**Offset TVD Reference:**	Offset Datum

Offset Design Brian Conrad 1-C Pad Sec.1-T6N-R59W - Brian 41-1-36GHZ - Wellbore #1 - Plan #2 (4-22-15) — **Offset Site Error:** 0.0 ft

Survey Program: 0-MWD — **Offset Well Error:** 0.0 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
0.0	0.0	1.0	1.0	0.0	0.0	1.59	20.0	0.6	20.0	20.0	0.00	N/A	
100.0	100.0	101.0	101.0	0.1	0.1	1.59	20.0	0.6	20.0	19.8	0.23	88.300	
200.0	200.0	201.0	201.0	0.3	0.3	1.59	20.0	0.6	20.0	19.4	0.68	29.629	
300.0	300.0	301.0	301.0	0.6	0.6	1.59	20.0	0.6	20.0	18.9	1.13	17.801	
400.0	400.0	401.0	401.0	0.8	0.8	1.59	20.0	0.6	20.0	18.5	1.58	12.722	
500.0	500.0	501.0	501.0	1.0	1.0	1.59	20.0	0.6	20.0	18.0	2.03	9.898	
566.3	566.3	567.3	567.3	1.2	1.2	1.59	20.0	0.6	20.0	17.7	2.32	8.628	CC
600.0	600.0	601.0	601.0	1.2	1.2	1.59	20.0	0.6	20.0	17.6	2.47	8.101	ES
700.0	700.0	700.8	700.8	1.5	1.5	5.10	20.4	1.8	20.5	17.6	2.91	7.042	
800.0	800.0	800.5	800.4	1.7	1.7	14.44	21.6	5.6	22.3	19.0	3.35	6.668	
900.0	900.0	900.0	899.7	1.9	1.9	-51.74	23.6	11.8	25.6	21.8	3.79	6.751	
1,000.0	999.9	999.3	998.6	2.1	2.1	-44.49	26.3	20.4	29.5	25.3	4.22	6.983	
1,100.0	1,099.7	1,098.5	1,097.1	2.3	2.4	-39.24	29.9	31.5	33.9	29.2	4.67	7.250	
1,200.0	1,199.3	1,197.6	1,195.2	2.6	2.7	-35.43	34.1	45.0	38.5	33.4	5.13	7.509	
1,300.0	1,298.6	1,296.5	1,292.7	2.8	3.0	-32.66	39.2	60.9	43.4	37.8	5.60	7.741	
1,400.0	1,397.5	1,395.4	1,389.6	3.1	3.3	-30.63	45.0	79.2	48.4	42.3	6.09	7.938	
1,500.0	1,496.1	1,494.0	1,485.9	3.4	3.7	-29.15	51.5	99.8	53.4	46.8	6.60	8.096	
1,600.0	1,594.2	1,593.3	1,582.2	3.8	4.2	-28.21	58.8	122.7	58.3	51.2	7.13	8.174	
1,700.0	1,691.7	1,693.2	1,679.1	4.1	4.6	-28.41	66.2	146.0	61.2	53.5	7.71	7.941	
1,800.0	1,788.7	1,793.2	1,776.0	4.6	5.1	-29.70	73.6	169.3	61.9	53.6	8.34	7.422	
1,900.0	1,885.5	1,893.2	1,873.0	5.0	5.6	-31.23	81.0	192.6	62.2	53.2	9.04	6.883	
2,000.0	1,982.3	1,993.2	1,969.9	5.5	6.1	-32.75	88.4	216.0	62.5	52.8	9.77	6.402	
2,100.0	2,079.1	2,093.2	2,066.9	6.0	6.6	-34.26	95.8	239.3	62.9	52.4	10.53	5.973	
2,200.0	2,175.9	2,193.2	2,163.8	6.5	7.1	-35.74	103.2	262.6	63.3	52.0	11.32	5.590	
2,300.0	2,272.8	2,293.1	2,260.8	7.0	7.6	-37.21	110.6	286.0	63.7	51.6	12.14	5.248	
2,400.0	2,369.6	2,393.1	2,357.7	7.5	8.1	-38.65	118.0	309.3	64.2	51.2	13.00	4.941	
2,500.0	2,466.4	2,493.1	2,454.7	8.0	8.6	-40.07	125.4	332.6	64.8	50.9	13.88	4.666	
2,600.0	2,563.2	2,593.1	2,551.6	8.5	9.1	-41.47	132.8	355.9	65.3	50.5	14.78	4.419	
2,700.0	2,660.0	2,693.1	2,648.5	9.0	9.6	-42.84	140.2	379.3	65.9	50.2	15.71	4.196	
2,800.0	2,756.9	2,793.1	2,745.5	9.5	10.2	-44.19	147.6	402.6	66.6	49.9	16.66	3.995	
2,900.0	2,853.7	2,893.1	2,842.4	10.1	10.7	-45.51	155.0	425.9	67.2	49.6	17.63	3.814	
3,000.0	2,950.5	2,993.0	2,939.4	10.6	11.2	-46.80	162.4	449.2	68.0	49.3	18.62	3.649	
3,100.0	3,047.3	3,093.0	3,036.3	11.1	11.7	-48.07	169.8	472.6	68.7	49.1	19.63	3.500	
3,200.0	3,144.1	3,193.0	3,133.3	11.6	12.2	-49.30	177.2	495.9	69.5	48.8	20.66	3.364	
3,300.0	3,241.0	3,293.0	3,230.2	12.1	12.7	-50.51	184.6	519.2	70.3	48.6	21.70	3.240	
3,400.0	3,337.8	3,393.0	3,327.2	12.7	13.3	-51.70	192.0	542.5	71.1	48.4	22.75	3.128	
3,500.0	3,434.6	3,493.0	3,424.1	13.2	13.8	-52.85	199.4	565.9	72.0	48.2	23.81	3.024	
3,600.0	3,531.4	3,593.0	3,521.0	13.7	14.3	-53.98	206.8	589.2	72.9	48.0	24.89	2.930	
3,700.0	3,628.2	3,692.9	3,618.0	14.3	14.8	-55.07	214.2	612.5	73.8	47.9	25.97	2.843	
3,800.0	3,725.1	3,792.9	3,714.9	14.8	15.3	-56.14	221.6	635.9	74.8	47.7	27.06	2.764	
3,900.0	3,821.9	3,892.9	3,811.9	15.3	15.9	-57.19	229.0	659.2	75.8	47.6	28.16	2.691	
4,000.0	3,918.7	3,992.9	3,908.8	15.8	16.4	-58.20	236.4	682.5	76.8	47.5	29.27	2.623	
4,100.0	4,015.5	4,092.9	4,005.8	16.4	16.9	-59.19	243.8	705.8	77.8	47.4	30.38	2.561	
4,200.0	4,112.3	4,192.9	4,102.7	16.9	17.4	-60.15	251.2	729.2	78.9	47.4	31.50	2.504	
4,300.0	4,209.2	4,292.9	4,199.7	17.4	17.9	-61.09	258.6	752.5	79.9	47.3	32.62	2.451	
4,400.0	4,306.0	4,392.8	4,296.6	18.0	18.5	-62.00	266.0	775.8	81.0	47.3	33.74	2.401	
4,500.0	4,402.8	4,492.8	4,393.5	18.5	19.0	-62.89	273.4	799.1	82.1	47.3	34.87	2.356	
4,600.0	4,499.6	4,592.8	4,490.5	19.0	19.5	-63.76	280.8	822.5	83.3	47.3	36.00	2.313	
4,700.0	4,596.4	4,692.8	4,587.4	19.6	20.0	-64.60	288.2	845.8	84.4	47.3	37.13	2.274	
4,800.0	4,693.3	4,792.8	4,684.4	20.1	20.6	-65.41	295.6	869.1	85.6	47.3	38.27	2.237	
4,900.0	4,790.1	4,892.8	4,781.3	20.6	21.1	-66.21	303.0	892.4	86.8	47.4	39.40	2.203	
5,000.0	4,886.9	4,992.8	4,878.3	21.2	21.6	-66.98	310.4	915.8	88.0	47.4	40.53	2.171	

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

Company:	Synergy Resources	**Local Co-ordinate Reference:**	Well Conrad 44-1GHZ
Project:	SEC.1-T6N-R59W	**TVD Reference:**	WELL @ 4924.5ft (RKB - 13.5')
Reference Site:	Brian Conrad 1-C Pad Sec.1-T6N-R59W	**MD Reference:**	WELL @ 4924.5ft (RKB - 13.5')
Site Error:	0.0ft	**North Reference:**	True
Reference Well:	Conrad 44-1GHZ	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0ft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	Landmark
Reference Design:	Plan #2 (4-22-15)	**Offset TVD Reference:**	Offset Datum

Offset Design Brian Conrad 1-C Pad Sec.1-T6N-R59W - Brian 41-1-36GHZ - Wellbore #1 - Plan #2 (4-22-15)

Offset Site Error: 0.0 ft

Survey Program: 0-MWD

Offset Well Error: 0.0 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
5,100.0	4,983.7	5,092.7	4,975.2	21.7	22.1	-67.74	317.8	939.1	89.2	47.5	41.67	2.141	
5,200.0	5,080.5	5,192.7	5,072.2	22.2	22.6	-68.47	325.2	962.4	90.4	47.6	42.80	2.113	
5,300.0	5,177.4	5,292.7	5,169.1	22.8	23.2	-69.18	332.6	985.8	91.7	47.7	43.94	2.087	
5,400.0	5,274.2	5,392.7	5,266.0	23.3	23.7	-69.88	340.0	1,009.1	92.9	47.9	45.07	2.062	
5,500.0	5,371.0	5,492.7	5,363.0	23.8	24.2	-70.55	347.4	1,032.4	94.2	48.0	46.20	2.039	
5,600.0	5,467.8	5,592.7	5,459.9	24.4	24.7	-71.21	354.8	1,055.7	95.5	48.2	47.34	2.017	SF
5,700.0	5,564.7	5,692.6	5,556.8	24.9	25.3	-85.30	362.2	1,079.1	97.9	49.6	48.37	2.025	
5,800.0	5,661.3	5,785.1	5,646.5	25.3	25.8	-118.29	370.0	1,100.6	114.1	65.7	48.38	2.358	
5,900.0	5,755.6	5,860.4	5,718.2	25.7	26.2	-138.20	384.1	1,118.1	155.1	108.0	47.09	3.294	
6,000.0	5,845.1	5,920.1	5,773.8	26.0	26.5	-148.85	401.4	1,131.7	218.4	173.9	44.52	4.906	
6,100.0	5,927.8	5,963.0	5,812.5	26.2	26.7	-154.77	417.1	1,141.3	298.2	257.4	40.76	7.315	
6,200.0	6,001.6	5,990.3	5,836.6	26.5	26.9	-157.99	428.4	1,147.3	388.8	352.8	36.00	10.801	
6,300.0	6,064.6	6,000.0	5,845.0	26.7	27.0	-158.31	432.7	1,149.4	485.7	455.3	30.40	15.980	
6,400.0	6,115.3	6,000.0	5,845.0	27.0	27.0	-6.53	432.7	1,149.4	585.4	558.2	27.29	21.449	
6,500.0	6,152.5	6,000.0	5,845.0	27.2	27.0	11.97	432.7	1,149.4	684.9	665.7	19.23	35.612	
6,600.0	6,175.3	6,000.0	5,845.0	27.6	27.0	12.83	432.7	1,149.4	782.2	767.5	14.68	53.266	
6,700.0	6,183.0	5,978.4	5,826.1	28.0	26.8	13.20	423.4	1,144.7	875.5	861.9	13.56	64.541	
6,800.0	6,183.0	5,950.0	5,800.9	28.4	26.7	13.25	412.0	1,138.4	966.9	952.9	14.03	68.910	

Company:	Synergy Resources	**Local Co-ordinate Reference:**	Well Conrad 44-1GHZ
Project:	SEC.1-T6N-R59W	**TVD Reference:**	WELL @ 4924.5ft (RKB - 13.5')
Reference Site:	Brian Conrad 1-C Pad Sec.1-T6N-R59W	**MD Reference:**	WELL @ 4924.5ft (RKB - 13.5')
Site Error:	0.0ft	**North Reference:**	True
Reference Well:	Conrad 44-1GHZ	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0ft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	Landmark
Reference Design:	Plan #2 (4-22-15)	**Offset TVD Reference:**	Offset Datum

Offset Design Brian Conrad 1-C Pad Sec.1-T6N-R59W - Brian C-1-36GHZ - Wellbore #1 - Plan #2 (4-22-15)

Offset Site Error: 0.0 ft

Survey Program: 0-MWD

Offset Well Error: 0.0 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
0.0	0.0	2.0	2.0	0.0	0.0	-32.58	60.5	-38.6	71.8	71.8	0.00	N/A	
100.0	100.0	102.0	102.0	0.1	0.1	-32.58	60.5	-38.6	71.8	71.5	0.23	313.046	
200.0	200.0	202.0	202.0	0.3	0.3	-32.58	60.5	-38.6	71.8	71.1	0.68	105.731	
300.0	300.0	302.0	302.0	0.6	0.6	-32.58	60.5	-38.6	71.8	70.6	1.13	63.607	
400.0	400.0	402.0	402.0	0.8	0.8	-32.58	60.5	-38.6	71.8	70.2	1.58	45.485	
500.0	500.0	502.0	502.0	1.0	1.0	-32.58	60.5	-38.6	71.8	69.7	2.03	35.400	
600.0	600.0	602.0	602.0	1.2	1.2	-32.58	60.5	-38.6	71.8	69.3	2.48	28.975	
700.0	700.0	702.0	702.0	1.5	1.5	-32.58	60.5	-38.6	71.8	68.8	2.93	24.524	
800.0	800.0	802.0	802.0	1.7	1.7	-32.58	60.5	-38.6	71.8	68.4	3.38	21.260	
800.4	800.4	802.4	802.4	1.7	1.7	-108.66	60.5	-38.6	71.8	68.4	3.38	21.249	CC
900.0	900.0	902.1	902.1	1.9	1.9	-108.55	61.2	-37.5	72.1	68.3	3.81	18.934	ES
1,000.0	999.9	1,002.2	1,002.1	2.1	2.1	-108.34	63.1	-34.0	73.2	68.9	4.23	17.281	
1,100.0	1,099.7	1,102.3	1,101.9	2.3	2.4	-108.02	66.4	-28.3	74.9	70.2	4.68	16.024	
1,200.0	1,199.3	1,202.3	1,201.6	2.6	2.6	-107.61	70.9	-20.2	77.4	72.2	5.14	15.045	
1,300.0	1,298.6	1,302.3	1,300.9	2.8	2.8	-107.14	76.8	-10.0	80.5	74.9	5.65	14.263	
1,400.0	1,397.5	1,402.2	1,399.9	3.1	3.1	-107.24	83.4	1.8	84.4	78.2	6.19	13.635	
1,500.0	1,496.1	1,502.1	1,498.8	3.4	3.4	-108.89	90.1	13.5	89.1	82.4	6.77	13.164	
1,600.0	1,594.2	1,601.8	1,597.6	3.8	3.7	-111.84	96.8	25.2	94.8	87.5	7.38	12.859	
1,700.0	1,691.7	1,701.3	1,696.2	4.1	4.0	-115.76	103.4	36.9	101.9	93.9	8.00	12.743	SF
1,800.0	1,788.7	1,800.6	1,794.6	4.6	4.3	-120.27	110.1	48.6	110.6	102.0	8.62	12.829	
1,900.0	1,885.5	1,899.8	1,892.8	5.0	4.6	-124.39	116.7	60.3	120.3	111.0	9.25	13.007	
2,000.0	1,982.3	1,999.0	1,991.1	5.5	4.9	-127.89	123.3	71.9	130.4	120.6	9.86	13.228	
2,100.0	2,079.1	2,098.1	2,089.4	6.0	5.2	-130.88	129.9	83.6	141.0	130.6	10.47	13.471	
2,200.0	2,175.9	2,197.3	2,187.7	6.5	5.6	-133.44	136.6	95.3	151.9	140.9	11.07	13.726	
2,300.0	2,272.8	2,296.5	2,285.9	7.0	5.9	-135.66	143.2	106.9	163.1	151.4	11.66	13.984	
2,400.0	2,369.6	2,395.7	2,384.2	7.5	6.2	-137.59	149.8	118.6	174.5	162.2	12.25	14.238	
2,500.0	2,466.4	2,494.9	2,482.5	8.0	6.5	-139.29	156.5	130.3	186.0	173.2	12.84	14.487	
2,600.0	2,563.2	2,594.1	2,580.8	8.5	6.8	-140.78	163.1	141.9	197.7	184.3	13.43	14.727	
2,700.0	2,660.0	2,693.3	2,679.0	9.0	7.2	-142.11	169.7	153.6	209.6	195.5	14.01	14.958	
2,800.0	2,756.9	2,792.5	2,777.3	9.5	7.5	-143.30	176.4	165.3	221.5	206.9	14.59	15.179	
2,900.0	2,853.7	2,891.6	2,875.6	10.1	7.8	-144.37	183.0	176.9	233.5	218.3	15.17	15.390	
3,000.0	2,950.5	2,990.8	2,973.9	10.6	8.2	-145.33	189.6	188.6	245.5	229.8	15.75	15.591	
3,100.0	3,047.3	3,090.0	3,072.1	11.1	8.5	-146.20	196.2	200.3	257.7	241.3	16.33	15.783	
3,200.0	3,144.1	3,189.2	3,170.4	11.6	8.8	-146.99	202.9	211.9	269.9	253.0	16.90	15.965	
3,300.0	3,241.0	3,288.4	3,268.7	12.1	9.1	-147.71	209.5	223.6	282.1	264.6	17.48	16.138	
3,400.0	3,337.8	3,387.6	3,367.0	12.7	9.5	-148.38	216.1	235.3	294.4	276.3	18.06	16.302	
3,500.0	3,434.6	3,486.8	3,465.3	13.2	9.8	-148.99	222.8	246.9	306.7	288.0	18.63	16.459	
3,600.0	3,531.4	3,586.0	3,563.5	13.7	10.1	-149.55	229.4	258.6	319.0	299.8	19.21	16.608	
3,700.0	3,628.2	3,685.2	3,661.8	14.3	10.5	-150.07	236.0	270.3	331.4	311.6	19.78	16.749	
3,800.0	3,725.1	3,784.3	3,760.1	14.8	10.8	-150.56	242.6	282.0	343.8	323.4	20.36	16.884	
3,900.0	3,821.9	3,883.5	3,858.4	15.3	11.1	-151.01	249.3	293.6	356.2	335.3	20.94	17.013	
4,000.0	3,918.7	3,982.7	3,956.6	15.8	11.5	-151.43	255.9	305.3	368.6	347.1	21.51	17.136	
4,100.0	4,015.5	4,081.9	4,054.9	16.4	11.8	-151.82	262.5	317.0	381.1	359.0	22.09	17.253	
4,200.0	4,112.3	4,181.1	4,153.2	16.9	12.1	-152.19	269.2	328.6	393.6	370.9	22.66	17.365	
4,300.0	4,209.2	4,280.3	4,251.5	17.4	12.5	-152.53	275.8	340.3	406.0	382.8	23.24	17.472	
4,400.0	4,306.0	4,379.5	4,349.7	18.0	12.8	-152.86	282.4	352.0	418.5	394.7	23.81	17.575	
4,500.0	4,402.8	4,478.7	4,448.0	18.5	13.1	-153.16	289.1	363.6	431.0	406.7	24.39	17.673	
4,600.0	4,499.6	4,577.9	4,546.3	19.0	13.5	-153.45	295.7	375.3	443.6	418.6	24.97	17.767	
4,700.0	4,596.4	4,677.0	4,644.6	19.6	13.8	-153.72	302.3	387.0	456.1	430.6	25.54	17.857	
4,800.0	4,693.3	4,776.2	4,742.9	20.1	14.1	-153.98	308.9	398.6	468.7	442.5	26.12	17.943	
4,900.0	4,790.1	4,875.4	4,841.1	20.6	14.5	-154.23	315.6	410.3	481.2	454.5	26.69	18.026	
5,000.0	4,886.9	4,974.6	4,939.4	21.2	14.8	-154.46	322.2	422.0	493.8	466.5	27.27	18.106	

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

Company:	Synergy Resources	**Local Co-ordinate Reference:**	Well Conrad 44-1GHZ
Project:	SEC.1-T6N-R59W	**TVD Reference:**	WELL @ 4924.5ft (RKB - 13.5')
Reference Site:	Brian Conrad 1-C Pad Sec.1-T6N-R59W	**MD Reference:**	WELL @ 4924.5ft (RKB - 13.5')
Site Error:	0.0ft	**North Reference:**	True
Reference Well:	Conrad 44-1GHZ	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0ft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	Landmark
Reference Design:	Plan #2 (4-22-15)	**Offset TVD Reference:**	Offset Datum

Offset Design Brian Conrad 1-C Pad Sec.1-T6N-R59W - Brian C-1-36GHZ - Wellbore #1 - Plan #2 (4-22-15)

Offset Site Error: 0.0 ft

Survey Program: 0-MWD

Offset Well Error: 0.0 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
5,100.0	4,983.7	5,073.8	5,037.7	21.7	15.1	-154.68	328.8	433.6	506.3	478.5	27.85	18.183	
5,200.0	5,080.5	5,173.0	5,136.0	22.2	15.5	-154.89	335.5	445.3	518.9	490.5	28.42	18.257	
5,300.0	5,177.4	5,272.2	5,234.2	22.8	15.8	-155.09	342.1	457.0	531.5	502.5	29.00	18.328	
5,400.0	5,274.2	5,371.4	5,332.5	23.3	16.1	-155.28	348.7	468.6	544.1	514.5	29.58	18.396	
5,500.0	5,371.0	5,470.6	5,430.8	23.8	16.5	-155.46	355.3	480.3	556.7	526.5	30.15	18.462	
5,600.0	5,467.8	5,569.7	5,529.1	24.4	16.8	-155.64	362.0	492.0	569.3	538.5	30.73	18.526	
5,700.0	5,564.7	5,664.7	5,623.1	24.9	17.1	-169.50	369.0	503.1	582.2	551.0	31.19	18.664	
5,800.0	5,661.3	5,750.0	5,706.4	25.3	17.4	158.81	384.2	513.2	599.3	567.7	31.64	18.944	
5,900.0	5,755.6	5,817.0	5,769.9	25.7	17.7	140.59	403.9	521.1	623.5	591.6	31.97	19.503	
6,000.0	5,845.1	5,870.1	5,818.5	26.0	18.0	130.56	424.2	527.2	657.6	625.7	31.97	20.573	
6,100.0	5,927.8	5,900.0	5,845.1	26.2	18.2	122.44	437.4	530.6	703.1	671.6	31.51	22.313	
6,200.0	6,001.6	5,928.3	5,869.7	26.5	18.3	115.16	451.1	533.8	759.5	728.2	31.24	24.306	
6,300.0	6,064.6	5,938.0	5,878.0	26.7	18.4	106.00	456.1	534.9	824.7	793.5	31.24	26.396	
6,400.0	6,115.3	5,950.0	5,888.1	27.0	18.5	96.49	462.3	536.2	896.2	864.6	31.56	28.398	
6,500.0	6,152.5	5,931.3	5,872.2	27.2	18.4	84.12	452.6	534.2	970.6	939.5	31.18	31.135	

Company:	Synergy Resources	**Local Co-ordinate Reference:**	Well Conrad 44-1GHZ
Project:	SEC.1-T6N-R59W	**TVD Reference:**	WELL @ 4924.5ft (RKB - 13.5')
Reference Site:	Brian Conrad 1-C Pad Sec.1-T6N-R59W	**MD Reference:**	WELL @ 4924.5ft (RKB - 13.5')
Site Error:	0.0ft	**North Reference:**	True
Reference Well:	Conrad 44-1GHZ	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0ft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	Landmark
Reference Design:	Plan #2 (4-22-15)	**Offset TVD Reference:**	Offset Datum

Offset Design Brian Conrad 1-C Pad Sec.1-T6N-R59W - Brian M-1-36GHZ - Wellbore #1 - Plan #2 (4-22-15)

Offset Site Error: 0.0 ft

Survey Program: 0-MWD

Offset Well Error: 0.0 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
0.0	0.0	0.0	0.0	0.0	0.0	-115.59	-19.3	-40.3	44.7				
100.0	100.0	99.0	99.0	0.1	0.1	-115.59	-19.3	-40.3	44.7	44.5	0.22	199.862	
200.0	200.0	199.0	199.0	0.3	0.3	-115.59	-19.3	-40.3	44.7	44.0	0.67	66.510	
300.0	300.0	299.0	299.0	0.6	0.6	-115.59	-19.3	-40.3	44.7	43.6	1.12	39.853	
400.0	400.0	399.0	399.0	0.8	0.8	-115.59	-19.3	-40.3	44.7	43.1	1.57	28.450	
500.0	500.0	499.0	499.0	1.0	1.0	-115.59	-19.3	-40.3	44.7	42.7	2.02	22.121	
600.0	600.0	599.0	599.0	1.2	1.2	-115.59	-19.3	-40.3	44.7	42.2	2.47	18.095	
700.0	700.0	699.0	699.0	1.5	1.5	-115.59	-19.3	-40.3	44.7	41.8	2.92	15.309	
800.0	800.0	799.0	799.0	1.7	1.7	-115.59	-19.3	-40.3	44.7	41.3	3.37	13.266	CC, ES
900.0	900.0	899.0	899.0	1.9	1.9	168.65	-19.3	-40.3	46.0	42.2	3.81	12.073	
1,000.0	999.9	998.9	998.9	2.1	2.1	169.53	-19.3	-40.3	49.8	45.6	4.24	11.754	SF
1,100.0	1,099.7	1,098.7	1,098.7	2.3	2.4	170.73	-19.3	-40.3	56.3	51.6	4.67	12.044	
1,200.0	1,199.3	1,198.3	1,198.3	2.6	2.6	172.00	-19.3	-40.3	65.3	60.2	5.11	12.794	
1,300.0	1,298.6	1,297.6	1,297.6	2.8	2.8	173.20	-19.3	-40.3	77.0	71.4	5.54	13.898	
1,400.0	1,397.5	1,396.5	1,396.5	3.1	3.0	174.24	-19.3	-40.3	91.2	85.3	5.97	15.281	
1,500.0	1,496.1	1,495.1	1,495.1	3.4	3.2	175.12	-19.3	-40.3	108.1	101.7	6.40	16.885	
1,600.0	1,594.2	1,593.2	1,593.2	3.8	3.5	175.84	-19.3	-40.3	127.6	120.7	6.83	18.666	
1,700.0	1,691.7	1,690.7	1,690.7	4.1	3.7	176.44	-19.3	-40.3	149.6	142.3	7.26	20.593	
1,800.0	1,788.7	1,787.7	1,787.7	4.6	3.9	176.92	-19.3	-40.3	174.0	166.3	7.70	22.587	
1,900.0	1,885.5	1,885.1	1,885.1	5.0	4.1	177.59	-18.4	-40.4	198.9	190.7	8.17	24.348	
2,000.0	1,982.3	1,982.7	1,982.6	5.5	4.3	178.76	-15.0	-40.9	223.4	214.8	8.63	25.880	
2,100.0	2,079.1	2,080.2	2,079.9	6.0	4.6	-179.72	-9.1	-41.7	247.8	238.7	9.10	27.224	
2,200.0	2,175.9	2,177.5	2,176.8	6.5	4.8	-177.94	-0.9	-42.9	272.1	262.5	9.58	28.407	
2,300.0	2,272.8	2,274.4	2,273.1	7.0	5.0	-175.97	9.8	-44.3	296.5	286.4	10.07	29.448	
2,400.0	2,369.6	2,370.8	2,368.7	7.5	5.2	-173.88	22.7	-46.1	321.1	310.6	10.58	30.366	
2,500.0	2,466.4	2,467.0	2,464.0	8.0	5.5	-172.01	36.1	-48.0	346.2	335.1	11.10	31.176	
2,600.0	2,563.2	2,563.2	2,559.2	8.5	5.7	-170.39	49.5	-49.8	371.5	359.8	11.65	31.898	
2,700.0	2,660.0	2,659.5	2,654.5	9.0	6.0	-168.97	62.8	-51.7	397.1	384.9	12.20	32.538	
2,800.0	2,756.9	2,755.7	2,749.8	9.5	6.3	-167.72	76.2	-53.5	422.8	410.1	12.77	33.109	
2,900.0	2,853.7	2,851.9	2,845.1	10.1	6.6	-166.62	89.6	-55.4	448.8	435.4	13.35	33.618	
3,000.0	2,950.5	2,948.2	2,940.4	10.6	6.8	-165.64	103.0	-57.2	474.9	460.9	13.94	34.072	
3,100.0	3,047.3	3,044.4	3,035.6	11.1	7.1	-164.76	116.3	-59.1	501.1	486.6	14.53	34.480	
3,200.0	3,144.1	3,140.6	3,130.9	11.6	7.4	-163.96	129.7	-60.9	527.4	512.3	15.13	34.847	
3,300.0	3,241.0	3,236.9	3,226.2	12.1	7.7	-163.24	143.1	-62.8	553.8	538.0	15.74	35.178	
3,400.0	3,337.8	3,333.1	3,321.5	12.7	8.0	-162.59	156.4	-64.6	580.2	563.9	16.35	35.478	
3,500.0	3,434.6	3,429.3	3,416.8	13.2	8.3	-161.99	169.8	-66.5	606.8	589.8	16.97	35.750	
3,600.0	3,531.4	3,525.6	3,512.0	13.7	8.6	-161.45	183.2	-68.3	633.4	615.8	17.59	35.998	
3,700.0	3,628.2	3,621.8	3,607.3	14.3	8.9	-160.94	196.6	-70.2	660.0	641.8	18.22	36.224	
3,800.0	3,725.1	3,718.0	3,702.6	14.8	9.2	-160.48	209.9	-72.0	686.7	667.8	18.85	36.432	
3,900.0	3,821.9	3,814.3	3,797.9	15.3	9.5	-160.05	223.3	-73.9	713.4	693.9	19.48	36.622	
4,000.0	3,918.7	3,910.5	3,893.2	15.8	9.8	-159.65	236.7	-75.7	740.1	720.0	20.11	36.798	
4,100.0	4,015.5	4,006.7	3,988.4	16.4	10.1	-159.28	250.1	-77.6	766.9	746.2	20.75	36.960	
4,200.0	4,112.3	4,103.0	4,083.7	16.9	10.4	-158.94	263.4	-79.4	793.7	772.3	21.39	37.110	
4,300.0	4,209.2	4,199.2	4,179.0	17.4	10.7	-158.61	276.8	-81.3	820.6	798.5	22.03	37.249	
4,400.0	4,306.0	4,295.4	4,274.3	18.0	11.0	-158.31	290.2	-83.1	847.4	824.7	22.67	37.378	
4,500.0	4,402.8	4,391.7	4,369.6	18.5	11.3	-158.03	303.6	-85.0	874.3	851.0	23.32	37.498	
4,600.0	4,499.6	4,487.9	4,464.8	19.0	11.7	-157.76	316.9	-86.8	901.2	877.2	23.96	37.610	
4,700.0	4,596.4	4,584.1	4,560.1	19.6	12.0	-157.51	330.3	-88.7	928.1	903.5	24.61	37.715	
4,800.0	4,693.3	4,686.2	4,661.3	20.1	12.3	-157.30	343.8	-90.6	954.9	929.6	25.25	37.822	
4,900.0	4,790.1	4,792.7	4,767.2	20.6	12.5	-157.30	354.3	-92.0	980.7	954.9	25.81	37.995	

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

Company:	Synergy Resources	**Local Co-ordinate Reference:**	Well Conrad 44-1GHZ
Project:	SEC.1-T6N-R59W	**TVD Reference:**	WELL @ 4924.5ft (RKB - 13.5')
Reference Site:	Brian Conrad 1-C Pad Sec.1-T6N-R59W	**MD Reference:**	WELL @ 4924.5ft (RKB - 13.5')
Site Error:	0.0ft	**North Reference:**	True
Reference Well:	Conrad 44-1GHZ	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0ft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	Landmark
Reference Design:	Plan #2 (4-22-15)	**Offset TVD Reference:**	Offset Datum

Offset Design Brian Conrad 1-C Pad Sec.1-T6N-R59W - Brian R-1-36GHZ - Wellbore #1 - Plan #2 (4-22-15)

Offset Site Error: 0.0 ft

Survey Program: 0-MWD

Offset Well Error: 0.0 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
0.0	0.0	0.0	0.0	0.0	0.0	-179.21	-20.0	-0.3	20.1				
100.0	100.0	99.0	99.0	0.1	0.1	-179.21	-20.0	-0.3	20.0	19.8	0.22	89.604	
200.0	200.0	199.0	199.0	0.3	0.3	-179.21	-20.0	-0.3	20.0	19.4	0.67	29.818	
300.0	300.0	299.0	299.0	0.6	0.6	-179.21	-20.0	-0.3	20.0	18.9	1.12	17.867	
400.0	400.0	399.0	399.0	0.8	0.8	-179.21	-20.0	-0.3	20.0	18.5	1.57	12.755	
500.0	500.0	499.0	499.0	1.0	1.0	-179.21	-20.0	-0.3	20.0	18.0	2.02	9.917	
600.0	600.0	599.0	599.0	1.2	1.2	-179.21	-20.0	-0.3	20.0	17.6	2.47	8.113	
700.0	700.0	699.0	699.0	1.5	1.5	-179.21	-20.0	-0.3	20.0	17.1	2.92	6.864	
800.0	800.0	799.0	799.0	1.7	1.7	-179.21	-20.0	-0.3	20.0	16.7	3.37	5.948	CC
900.0	900.0	899.0	899.0	1.9	1.9	108.27	-20.0	-0.3	20.4	16.6	3.81	5.359	ES
1,000.0	999.9	998.9	998.9	2.1	2.1	118.01	-20.0	-0.3	22.0	17.7	4.24	5.175	SF
1,100.0	1,099.7	1,099.2	1,099.2	2.3	2.4	129.22	-19.5	0.9	24.7	20.0	4.68	5.276	
1,200.0	1,199.3	1,199.6	1,199.5	2.6	2.6	138.86	-17.7	4.4	27.8	22.7	5.11	5.445	
1,300.0	1,298.6	1,300.2	1,299.9	2.8	2.8	147.28	-14.9	10.3	31.3	25.8	5.54	5.650	
1,400.0	1,397.5	1,400.9	1,400.1	3.1	3.0	154.75	-10.8	18.6	35.1	29.2	5.97	5.883	
1,500.0	1,496.1	1,501.6	1,500.2	3.4	3.3	161.46	-5.6	29.3	39.3	32.9	6.40	6.140	
1,600.0	1,594.2	1,602.5	1,600.0	3.8	3.5	167.55	0.8	42.3	43.8	37.0	6.82	6.418	
1,700.0	1,691.7	1,703.5	1,699.6	4.1	3.9	173.11	8.3	57.8	48.6	41.4	7.25	6.710	
1,800.0	1,788.7	1,804.4	1,798.5	4.6	4.2	178.21	17.0	75.5	53.7	46.1	7.70	6.982	
1,900.0	1,885.5	1,904.2	1,896.2	5.0	4.5	-177.46	26.0	93.9	58.9	50.7	8.20	7.184	
2,000.0	1,982.3	2,004.0	1,993.8	5.5	4.9	-173.83	34.9	112.2	64.3	55.6	8.72	7.372	
2,100.0	2,079.1	2,103.8	2,091.5	6.0	5.3	-170.78	43.9	130.6	69.9	60.7	9.28	7.538	
2,200.0	2,175.9	2,203.5	2,189.1	6.5	5.7	-168.19	52.9	149.0	75.7	65.9	9.86	7.681	
2,300.0	2,272.8	2,303.3	2,286.8	7.0	6.1	-165.97	61.8	167.3	81.7	71.2	10.47	7.802	
2,400.0	2,369.6	2,403.1	2,384.5	7.5	6.5	-164.05	70.8	185.7	87.7	76.6	11.10	7.904	
2,500.0	2,466.4	2,502.9	2,482.1	8.0	6.9	-162.39	79.8	204.1	93.8	82.1	11.74	7.989	
2,600.0	2,563.2	2,602.6	2,579.8	8.5	7.3	-160.92	88.7	222.4	100.0	87.6	12.41	8.060	
2,700.0	2,660.0	2,702.4	2,677.5	9.0	7.8	-159.63	97.7	240.8	106.3	93.2	13.09	8.120	
2,800.0	2,756.9	2,802.2	2,775.1	9.5	8.2	-158.48	106.7	259.1	112.6	98.8	13.78	8.170	
2,900.0	2,853.7	2,902.0	2,872.8	10.1	8.6	-157.46	115.7	277.5	118.9	104.4	14.48	8.213	
3,000.0	2,950.5	3,001.7	2,970.4	10.6	9.0	-156.54	124.6	295.9	125.3	110.1	15.19	8.248	
3,100.0	3,047.3	3,101.5	3,068.1	11.1	9.5	-155.70	133.6	314.2	131.7	115.8	15.91	8.279	
3,200.0	3,144.1	3,201.3	3,165.8	11.6	9.9	-154.95	142.6	332.6	138.1	121.5	16.63	8.304	
3,300.0	3,241.0	3,301.1	3,263.4	12.1	10.3	-154.26	151.5	351.0	144.5	127.2	17.36	8.326	
3,400.0	3,337.8	3,400.9	3,361.1	12.7	10.8	-153.63	160.5	369.3	151.0	132.9	18.10	8.345	
3,500.0	3,434.6	3,500.6	3,458.8	13.2	11.2	-153.05	169.5	387.7	157.5	138.7	18.84	8.361	
3,600.0	3,531.4	3,600.4	3,556.4	13.7	11.7	-152.52	178.4	406.0	164.0	144.4	19.58	8.375	
3,700.0	3,628.2	3,700.2	3,654.1	14.3	12.1	-152.03	187.4	424.4	170.5	150.2	20.33	8.387	
3,800.0	3,725.1	3,800.0	3,751.7	14.8	12.5	-151.58	196.4	442.8	177.0	156.0	21.08	8.397	
3,900.0	3,821.9	3,899.7	3,849.4	15.3	13.0	-151.15	205.4	461.1	183.6	161.7	21.84	8.407	
4,000.0	3,918.7	3,999.5	3,947.1	15.8	13.4	-150.76	214.3	479.5	190.1	167.5	22.59	8.414	
4,100.0	4,015.5	4,099.3	4,044.7	16.4	13.9	-150.39	223.3	497.9	196.7	173.3	23.35	8.421	
4,200.0	4,112.3	4,199.1	4,142.4	16.9	14.3	-150.05	232.3	516.2	203.2	179.1	24.11	8.427	
4,300.0	4,209.2	4,298.9	4,240.0	17.4	14.7	-149.73	241.2	534.6	209.8	184.9	24.88	8.433	
4,400.0	4,306.0	4,398.6	4,337.7	18.0	15.2	-149.42	250.2	552.9	216.4	190.7	25.64	8.437	
4,500.0	4,402.8	4,498.4	4,435.4	18.5	15.6	-149.14	259.2	571.3	222.9	196.5	26.41	8.441	
4,600.0	4,499.6	4,598.2	4,533.0	19.0	16.1	-148.87	268.1	589.7	229.5	202.3	27.18	8.445	
4,700.0	4,596.4	4,698.0	4,630.7	19.6	16.5	-148.62	277.1	608.0	236.1	208.2	27.95	8.448	
4,800.0	4,693.3	4,797.7	4,728.4	20.1	17.0	-148.38	286.1	626.4	242.7	214.0	28.72	8.451	
4,900.0	4,790.1	4,897.5	4,826.0	20.6	17.4	-148.15	295.1	644.8	249.3	219.8	29.49	8.453	
5,000.0	4,886.9	4,997.3	4,923.7	21.2	17.9	-147.94	304.0	663.1	255.9	225.6	30.26	8.456	
5,100.0	4,983.7	5,097.1	5,021.3	21.7	18.3	-147.73	313.0	681.5	262.5	231.5	31.04	8.457	

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

Company:	Synergy Resources	**Local Co-ordinate Reference:**	Well Conrad 44-1GHZ
Project:	SEC.1-T6N-R59W	**TVD Reference:**	WELL @ 4924.5ft (RKB - 13.5')
Reference Site:	Brian Conrad 1-C Pad Sec.1-T6N-R59W	**MD Reference:**	WELL @ 4924.5ft (RKB - 13.5')
Site Error:	0.0ft	**North Reference:**	True
Reference Well:	Conrad 44-1GHZ	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0ft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	Landmark
Reference Design:	Plan #2 (4-22-15)	**Offset TVD Reference:**	Offset Datum

Offset Design Brian Conrad 1-C Pad Sec.1-T6N-R59W - Brian R-1-36GHZ - Wellbore #1 - Plan #2 (4-22-15)

Offset Site Error: 0.0 ft

Survey Program: 0-MWD

Offset Well Error: 0.0 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
5,200.0	5,080.5	5,196.9	5,119.0	22.2	18.7	-147.54	322.0	699.9	269.1	237.3	31.81	8.459	
5,300.0	5,177.4	5,296.6	5,216.7	22.8	19.2	-147.35	330.9	718.2	275.7	243.1	32.59	8.461	
5,400.0	5,274.2	5,396.4	5,314.3	23.3	19.6	-147.18	339.9	736.6	282.3	249.0	33.36	8.462	
5,500.0	5,371.0	5,496.2	5,412.0	23.8	20.1	-147.01	348.9	754.9	288.9	254.8	34.14	8.463	
5,600.0	5,467.8	5,596.0	5,509.7	24.4	20.5	-146.85	357.8	773.3	295.6	260.6	34.92	8.464	
5,700.0	5,564.7	5,695.7	5,607.3	24.9	21.0	-160.15	366.8	791.7	302.6	266.9	35.61	8.495	
5,800.0	5,661.3	5,780.2	5,689.4	25.3	21.4	169.53	378.9	807.2	316.0	279.7	36.37	8.689	
5,900.0	5,755.6	5,850.0	5,755.5	25.7	21.7	153.42	397.1	819.9	342.4	305.4	36.98	9.259	
6,000.0	5,845.1	5,906.9	5,807.7	26.0	22.1	145.25	417.3	830.0	385.4	348.6	36.78	10.479	
6,100.0	5,927.8	5,950.0	5,846.0	26.2	22.3	138.78	435.7	837.5	445.4	409.7	35.61	12.506	
6,200.0	6,001.6	5,968.6	5,862.1	26.5	22.4	128.82	444.5	840.7	519.1	485.3	33.86	15.330	
6,300.0	6,064.6	5,979.8	5,871.6	26.7	22.5	115.22	449.9	842.6	602.4	569.5	32.92	18.297	
6,400.0	6,115.3	5,981.2	5,872.8	27.0	22.5	96.89	450.6	842.9	690.9	658.2	32.66	21.156	
6,500.0	6,152.5	5,974.9	5,867.5	27.2	22.5	77.06	447.6	841.8	781.1	750.1	30.99	25.207	
6,600.0	6,175.3	5,950.0	5,846.0	27.6	22.3	59.35	435.7	837.5	870.6	843.7	26.92	32.342	
6,700.0	6,183.0	5,950.0	5,846.0	28.0	22.3	49.40	435.7	837.5	956.7	932.8	23.90	40.036	

Company:	Synergy Resources	**Local Co-ordinate Reference:**	Well Conrad 44-1GHZ
Project:	SEC.1-T6N-R59W	**TVD Reference:**	WELL @ 4924.5ft (RKB - 13.5')
Reference Site:	Brian Conrad 1-C Pad Sec.1-T6N-R59W	**MD Reference:**	WELL @ 4924.5ft (RKB - 13.5')
Site Error:	0.0ft	**North Reference:**	True
Reference Well:	Conrad 44-1GHZ	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0ft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	Landmark
Reference Design:	Plan #2 (4-22-15)	**Offset TVD Reference:**	Offset Datum

Offset Design Brian Conrad 1-C Pad Sec.1-T6N-R59W - Brian U-1-36GHZ - Wellbore #1 - Plan #2 (4-22-15)

Offset Site Error: 0.0 ft

Survey Program: 0-MWD

Offset Well Error: 0.0 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
0.0	0.0	2.0	2.0	0.0	0.0	1.07	59.7	1.1	59.8	59.8	0.00	N/A	
100.0	100.0	102.0	102.0	0.1	0.1	1.07	59.7	1.1	59.8	59.5	0.23	260.658	
166.0	166.0	168.0	168.0	0.3	0.3	1.07	59.7	1.1	59.8	59.2	0.53	113.633	CC
200.0	200.0	202.0	202.0	0.3	0.3	1.07	59.7	1.1	59.8	59.1	0.68	88.060	
300.0	300.0	301.6	301.6	0.6	0.6	2.32	60.0	2.4	60.1	59.0	1.12	53.686	ES
400.0	400.0	401.1	401.0	0.8	0.8	5.89	60.9	6.3	61.2	59.6	1.56	39.168	
500.0	500.0	500.0	499.7	1.0	1.0	11.45	62.3	12.6	63.6	61.6	2.01	31.557	
600.0	600.0	599.1	598.4	1.2	1.3	18.48	64.2	21.5	67.8	65.3	2.48	27.323	
700.0	700.0	697.4	695.9	1.5	1.5	26.12	66.7	32.7	74.5	71.5	2.97	25.075	
800.0	800.0	795.0	792.6	1.7	1.9	33.61	69.6	46.3	84.2	80.7	3.50	24.073	
900.0	900.0	892.0	888.2	1.9	2.2	-36.05	73.1	62.2	95.9	92.0	3.96	24.250	
1,000.0	999.9	988.7	983.1	2.1	2.6	-31.06	77.1	80.4	108.5	104.1	4.43	24.508	
1,100.0	1,099.7	1,085.0	1,077.1	2.3	3.0	-27.11	81.6	100.8	121.6	116.7	4.91	24.789	
1,200.0	1,199.3	1,181.0	1,170.2	2.6	3.5	-23.94	86.6	123.5	135.1	129.7	5.39	25.045	
1,300.0	1,298.6	1,276.6	1,262.4	2.8	4.0	-21.33	92.0	148.3	148.8	142.9	5.89	25.259	
1,400.0	1,397.5	1,375.0	1,356.9	3.1	4.5	-19.22	97.9	175.4	161.7	155.3	6.40	25.266	
1,500.0	1,496.1	1,474.4	1,452.2	3.4	5.1	-17.67	103.9	202.7	172.4	165.5	6.92	24.922	
1,600.0	1,594.2	1,574.0	1,547.7	3.8	5.7	-16.54	109.9	230.2	180.7	173.3	7.45	24.258	
1,700.0	1,691.7	1,673.8	1,643.5	4.1	6.2	-15.74	116.0	257.6	186.6	178.6	7.99	23.343	
1,800.0	1,788.7	1,773.7	1,739.4	4.6	6.8	-15.20	122.0	285.1	190.1	181.5	8.55	22.217	
1,900.0	1,885.5	1,873.6	1,835.3	5.0	7.4	-14.72	128.0	312.6	193.0	183.9	9.14	21.125	
2,000.0	1,982.3	1,973.6	1,931.1	5.5	8.0	-14.26	134.0	340.1	196.0	186.3	9.72	20.161	
2,100.0	2,079.1	2,073.5	2,027.0	6.0	8.6	-13.82	140.1	367.7	199.0	188.7	10.31	19.306	
2,200.0	2,175.9	2,173.5	2,122.9	6.5	9.2	-13.38	146.1	395.2	202.0	191.1	10.89	18.543	
2,300.0	2,272.8	2,273.4	2,218.8	7.0	9.8	-12.96	152.1	422.7	205.0	193.5	11.48	17.860	
2,400.0	2,369.6	2,373.4	2,314.7	7.5	10.4	-12.55	158.1	450.2	208.0	195.9	12.06	17.245	
2,500.0	2,466.4	2,473.3	2,410.6	8.0	10.9	-12.16	164.2	477.7	211.0	198.4	12.64	16.688	
2,600.0	2,563.2	2,573.2	2,506.5	8.5	11.5	-11.77	170.2	505.2	214.1	200.8	13.23	16.183	
2,700.0	2,660.0	2,673.2	2,602.4	9.0	12.1	-11.40	176.2	532.7	217.1	203.3	13.81	15.722	
2,800.0	2,756.9	2,773.1	2,698.3	9.5	12.7	-11.03	182.3	560.2	220.2	205.8	14.39	15.300	
2,900.0	2,853.7	2,873.1	2,794.2	10.1	13.3	-10.68	188.3	587.7	223.2	208.2	14.97	14.912	
3,000.0	2,950.5	2,973.0	2,890.1	10.6	13.9	-10.34	194.3	615.2	226.3	210.7	15.55	14.555	
3,100.0	3,047.3	3,073.0	2,986.0	11.1	14.5	-10.00	200.3	642.7	229.4	213.2	16.12	14.225	
3,200.0	3,144.1	3,172.9	3,081.9	11.6	15.1	-9.67	206.4	670.2	232.5	215.8	16.70	13.919	
3,300.0	3,241.0	3,272.8	3,177.8	12.1	15.7	-9.36	212.4	697.7	235.6	218.3	17.28	13.634	
3,400.0	3,337.8	3,372.8	3,273.7	12.7	16.3	-9.05	218.4	725.2	238.7	220.8	17.85	13.369	
3,500.0	3,434.6	3,472.7	3,369.6	13.2	16.9	-8.75	224.5	752.8	241.8	223.3	18.43	13.121	
3,600.0	3,531.4	3,572.7	3,465.5	13.7	17.5	-8.45	230.5	780.3	244.9	225.9	19.00	12.889	
3,700.0	3,628.2	3,672.6	3,561.4	14.3	18.1	-8.17	236.5	807.8	248.0	228.4	19.57	12.671	
3,800.0	3,725.1	3,772.6	3,657.2	14.8	18.7	-7.89	242.5	835.3	251.1	231.0	20.14	12.467	
3,900.0	3,821.9	3,872.5	3,753.1	15.3	19.3	-7.61	248.6	862.8	254.3	233.6	20.72	12.274	
4,000.0	3,918.7	3,972.5	3,849.0	15.8	19.9	-7.35	254.6	890.3	257.4	236.1	21.29	12.092	
4,100.0	4,015.5	4,072.4	3,944.9	16.4	20.5	-7.09	260.6	917.8	260.6	238.7	21.86	11.920	
4,200.0	4,112.3	4,172.3	4,040.8	16.9	21.1	-6.83	266.6	945.3	263.7	241.3	22.43	11.757	
4,300.0	4,209.2	4,272.3	4,136.7	17.4	21.7	-6.59	272.7	972.8	266.9	243.9	23.00	11.603	
4,400.0	4,306.0	4,372.2	4,232.6	18.0	22.3	-6.35	278.7	1,000.3	270.0	246.4	23.57	11.456	
4,500.0	4,402.8	4,472.2	4,328.5	18.5	22.9	-6.11	284.7	1,027.8	273.2	249.0	24.14	11.317	
4,600.0	4,499.6	4,572.1	4,424.4	19.0	23.5	-5.88	290.8	1,055.3	276.4	251.6	24.71	11.184	
4,700.0	4,596.4	4,672.1	4,520.3	19.6	24.1	-5.65	296.8	1,082.8	279.5	254.2	25.28	11.058	
4,800.0	4,693.3	4,772.0	4,616.2	20.1	24.7	-5.43	302.8	1,110.4	282.7	256.9	25.85	10.937	
4,900.0	4,790.1	4,871.9	4,712.1	20.6	25.3	-5.22	308.8	1,137.9	285.9	259.5	26.42	10.822	
5,000.0	4,886.9	4,971.9	4,808.0	21.2	25.9	-5.01	314.9	1,165.4	289.1	262.1	26.99	10.711	

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

Company:	Synergy Resources	**Local Co-ordinate Reference:**	Well Conrad 44-1GHZ
Project:	SEC.1-T6N-R59W	**TVD Reference:**	WELL @ 4924.5ft (RKB - 13.5')
Reference Site:	Brian Conrad 1-C Pad Sec.1-T6N-R59W	**MD Reference:**	WELL @ 4924.5ft (RKB - 13.5')
Site Error:	0.0ft	**North Reference:**	True
Reference Well:	Conrad 44-1GHZ	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0ft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	Landmark
Reference Design:	Plan #2 (4-22-15)	**Offset TVD Reference:**	Offset Datum

Offset Design Brian Conrad 1-C Pad Sec.1-T6N-R59W - Brian U-1-36GHZ - Wellbore #1 - Plan #2 (4-22-15)

Offset Site Error: 0.0 ft

Survey Program: 0-MWD

Offset Well Error: 0.0 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
5,100.0	4,983.7	5,071.8	4,903.9	21.7	26.5	-4.80	320.9	1,192.9	292.3	264.7	27.56	10.606	
5,200.0	5,080.5	5,171.8	4,999.8	22.2	27.1	-4.60	326.9	1,220.4	295.5	267.3	28.13	10.504	
5,300.0	5,177.4	5,271.7	5,095.7	22.8	27.7	-4.40	332.9	1,247.9	298.7	270.0	28.70	10.407	
5,400.0	5,274.2	5,371.7	5,191.6	23.3	28.3	-4.21	339.0	1,275.4	301.9	272.6	29.27	10.314	
5,500.0	5,371.0	5,471.6	5,287.5	23.8	28.9	-4.02	345.0	1,302.9	305.1	275.2	29.84	10.224	
5,600.0	5,467.8	5,571.5	5,383.3	24.4	29.5	-3.84	351.0	1,330.4	308.3	277.9	30.41	10.138	
5,700.0	5,564.7	5,671.5	5,479.2	24.9	30.1	-17.13	357.1	1,357.9	311.8	280.8	30.98	10.065	SF
5,800.0	5,661.3	5,770.4	5,574.1	25.3	30.7	-50.71	363.0	1,385.1	319.4	287.7	31.66	10.087	
5,900.0	5,755.6	5,855.5	5,655.6	25.7	31.2	-72.68	369.8	1,408.6	334.1	301.8	32.39	10.317	
6,000.0	5,845.1	5,921.4	5,717.9	26.0	31.5	-85.87	381.9	1,426.6	363.0	330.1	32.84	11.052	
6,100.0	5,927.8	5,970.9	5,763.6	26.2	31.8	-92.81	395.4	1,439.9	409.2	376.5	32.69	12.516	
6,200.0	6,001.6	6,000.0	5,789.9	26.5	32.0	-93.44	405.0	1,447.6	472.0	439.8	32.25	14.635	
6,300.0	6,064.6	6,023.8	5,811.1	26.7	32.2	-89.40	413.8	1,453.9	547.8	515.2	32.62	16.792	
6,400.0	6,115.3	6,031.9	5,818.3	27.0	32.2	-78.40	417.0	1,456.0	632.1	597.9	34.15	18.510	
6,500.0	6,152.5	6,031.0	5,817.5	27.2	32.2	-62.00	416.7	1,455.8	720.8	686.1	34.67	20.788	
6,600.0	6,175.3	6,023.1	5,810.5	27.6	32.2	-44.39	413.6	1,453.7	810.6	778.9	31.70	25.570	
6,700.0	6,183.0	6,000.0	5,789.9	28.0	32.0	-29.09	405.0	1,447.6	899.1	872.2	26.83	33.507	
6,800.0	6,183.0	6,000.0	5,789.9	28.4	32.0	-29.00	405.0	1,447.6	986.8	959.3	27.51	35.872	

Company:	Synergy Resources	**Local Co-ordinate Reference:**	Well Conrad 44-1GHZ
Project:	SEC.1-T6N-R59W	**TVD Reference:**	WELL @ 4924.5ft (RKB - 13.5')
Reference Site:	Brian Conrad 1-C Pad Sec.1-T6N-R59W	**MD Reference:**	WELL @ 4924.5ft (RKB - 13.5')
Site Error:	0.0ft	**North Reference:**	True
Reference Well:	Conrad 44-1GHZ	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0ft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	Landmark
Reference Design:	Plan #2 (4-22-15)	**Offset TVD Reference:**	Offset Datum

Offset Design Brian Conrad 1-C Pad Sec.1-T6N-R59W - Conrad 34-1GHZ - Wellbore #1 - Plan #2 (4-22-15)

Offset Site Error: 0.0 ft

Survey Program: 0-MWD

Offset Well Error: 0.0 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
0.0	0.0	0.0	0.0	0.0	0.0	-88.95	0.7	-39.8	39.8				
100.0	100.0	100.0	100.0	0.1	0.1	-88.95	0.7	-39.8	39.8	39.5	0.22	176.908	
200.0	200.0	200.0	200.0	0.3	0.3	-88.95	0.7	-39.8	39.8	39.1	0.67	58.969	
300.0	300.0	300.0	300.0	0.6	0.6	-88.95	0.7	-39.8	39.8	38.6	1.12	35.382	
400.0	400.0	400.0	400.0	0.8	0.8	-88.95	0.7	-39.8	39.8	38.2	1.57	25.273	
500.0	500.0	500.0	500.0	1.0	1.0	-88.95	0.7	-39.8	39.8	37.7	2.02	19.656	
600.0	600.0	600.0	600.0	1.2	1.2	-88.95	0.7	-39.8	39.8	37.3	2.47	16.083	
700.0	700.0	700.0	700.0	1.5	1.5	-88.95	0.7	-39.8	39.8	36.8	2.92	13.608	
800.0	800.0	800.0	800.0	1.7	1.7	-88.95	0.7	-39.8	39.8	36.4	3.37	11.794	CC, ES
900.0	900.0	900.0	900.0	1.9	1.9	-165.50	0.7	-39.8	41.0	37.2	3.81	10.767	
1,000.0	999.9	999.9	999.9	2.1	2.1	-166.74	0.7	-39.8	44.8	40.6	4.24	10.573	
1,100.0	1,099.7	1,099.7	1,099.7	2.3	2.4	-168.40	0.7	-39.8	51.2	46.6	4.67	10.962	
1,200.0	1,199.3	1,199.3	1,199.3	2.6	2.6	-170.13	0.7	-39.8	60.2	55.1	5.11	11.795	
1,300.0	1,298.6	1,298.6	1,298.6	2.8	2.8	-171.71	0.7	-39.8	71.8	66.3	5.54	12.972	
1,400.0	1,397.5	1,397.5	1,397.5	3.1	3.0	-173.06	0.7	-39.8	86.1	80.1	5.97	14.417	
1,500.0	1,496.1	1,498.2	1,498.2	3.4	3.3	-173.77	1.6	-38.8	101.9	95.5	6.40	15.927	
1,600.0	1,594.2	1,599.2	1,599.1	3.8	3.5	-173.66	4.3	-36.0	118.2	111.4	6.82	17.328	
1,700.0	1,691.7	1,700.5	1,700.2	4.1	3.7	-173.01	8.9	-31.3	135.0	127.7	7.25	18.617	
1,800.0	1,788.7	1,802.0	1,801.3	4.6	3.9	-172.01	15.4	-24.5	152.1	144.4	7.70	19.757	
1,900.0	1,885.5	1,900.6	1,899.3	5.0	4.2	-170.99	22.6	-17.1	168.7	160.6	8.17	20.642	
2,000.0	1,982.3	1,999.2	1,997.3	5.5	4.4	-170.16	29.8	-9.6	185.4	176.8	8.67	21.402	
2,100.0	2,079.1	2,097.7	2,095.4	6.0	4.7	-169.47	37.0	-2.1	202.2	193.0	9.16	22.062	
2,200.0	2,175.9	2,196.3	2,193.4	6.5	4.9	-168.88	44.2	5.3	218.9	209.3	9.67	22.639	
2,300.0	2,272.8	2,294.9	2,291.4	7.0	5.2	-168.38	51.4	12.8	235.7	225.5	10.19	23.144	
2,400.0	2,369.6	2,393.4	2,389.4	7.5	5.4	-167.94	58.6	20.3	252.5	241.8	10.71	23.588	
2,500.0	2,466.4	2,492.0	2,487.4	8.0	5.7	-167.56	65.8	27.8	269.3	258.1	11.23	23.982	
2,600.0	2,563.2	2,590.6	2,585.4	8.5	6.0	-167.22	73.0	35.2	286.1	274.4	11.76	24.331	
2,700.0	2,660.0	2,689.1	2,683.4	9.0	6.2	-166.92	80.2	42.7	303.0	290.7	12.29	24.643	
2,800.0	2,756.9	2,787.7	2,781.5	9.5	6.5	-166.65	87.4	50.2	319.8	307.0	12.83	24.922	
2,900.0	2,853.7	2,886.2	2,879.5	10.1	6.8	-166.41	94.6	57.6	336.6	323.3	13.37	25.174	
3,000.0	2,950.5	2,984.8	2,977.5	10.6	7.0	-166.19	101.8	65.1	353.5	339.6	13.92	25.401	
3,100.0	3,047.3	3,083.4	3,075.5	11.1	7.3	-165.99	109.0	72.6	370.3	355.9	14.46	25.606	
3,200.0	3,144.1	3,181.9	3,173.5	11.6	7.6	-165.81	116.2	80.1	387.2	372.2	15.01	25.794	
3,300.0	3,241.0	3,280.5	3,271.5	12.1	7.9	-165.64	123.4	87.5	404.0	388.5	15.56	25.964	
3,400.0	3,337.8	3,379.1	3,369.5	12.7	8.2	-165.49	130.6	95.0	420.9	404.8	16.11	26.120	
3,500.0	3,434.6	3,477.6	3,467.6	13.2	8.4	-165.35	137.8	102.5	437.8	421.1	16.67	26.264	
3,600.0	3,531.4	3,576.2	3,565.6	13.7	8.7	-165.22	145.0	109.9	454.6	437.4	17.22	26.395	
3,700.0	3,628.2	3,674.7	3,663.6	14.3	9.0	-165.10	152.2	117.4	471.5	453.7	17.78	26.517	
3,800.0	3,725.1	3,773.3	3,761.6	14.8	9.3	-164.98	159.4	124.9	488.4	470.0	18.34	26.630	
3,900.0	3,821.9	3,871.9	3,859.6	15.3	9.6	-164.88	166.7	132.4	505.2	486.3	18.90	26.734	
4,000.0	3,918.7	3,970.4	3,957.6	15.8	9.8	-164.78	173.9	139.8	522.1	502.6	19.46	26.831	
4,100.0	4,015.5	4,069.0	4,055.7	16.4	10.1	-164.69	181.1	147.3	539.0	519.0	20.02	26.921	
4,200.0	4,112.3	4,167.6	4,153.7	16.9	10.4	-164.60	188.3	154.8	555.8	535.3	20.58	27.005	
4,300.0	4,209.2	4,266.1	4,251.7	17.4	10.7	-164.52	195.5	162.2	572.7	551.6	21.15	27.084	
4,400.0	4,306.0	4,364.7	4,349.7	18.0	11.0	-164.44	202.7	169.7	589.6	567.9	21.71	27.157	
4,500.0	4,402.8	4,463.2	4,447.7	18.5	11.3	-164.37	209.9	177.2	606.5	584.2	22.28	27.226	
4,600.0	4,499.6	4,561.8	4,545.7	19.0	11.6	-164.30	217.1	184.7	623.4	600.5	22.84	27.291	
4,700.0	4,596.4	4,660.4	4,643.7	19.6	11.8	-164.23	224.3	192.1	640.2	616.8	23.41	27.352	
4,800.0	4,693.3	4,758.9	4,741.8	20.1	12.1	-164.17	231.5	199.6	657.1	633.1	23.97	27.410	
4,900.0	4,790.1	4,857.5	4,839.8	20.6	12.4	-164.11	238.7	207.1	674.0	649.5	24.54	27.464	
5,000.0	4,886.9	4,956.1	4,937.8	21.2	12.7	-164.06	245.9	214.5	690.9	665.8	25.11	27.515	
5,100.0	4,983.7	5,054.6	5,035.8	21.7	13.0	-164.00	253.1	222.0	707.8	682.1	25.68	27.564	

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

Company:	Synergy Resources	**Local Co-ordinate Reference:**	Well Conrad 44-1GHZ
Project:	SEC.1-T6N-R59W	**TVD Reference:**	WELL @ 4924.5ft (RKB - 13.5')
Reference Site:	Brian Conrad 1-C Pad Sec.1-T6N-R59W	**MD Reference:**	WELL @ 4924.5ft (RKB - 13.5')
Site Error:	0.0ft	**North Reference:**	True
Reference Well:	Conrad 44-1GHZ	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0ft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	Landmark
Reference Design:	Plan #2 (4-22-15)	**Offset TVD Reference:**	Offset Datum

Offset Design Brian Conrad 1-C Pad Sec.1-T6N-R59W - Conrad 34-1GHZ - Wellbore #1 - Plan #2 (4-22-15)

Offset Site Error: 0.0 ft

Survey Program: 0-MWD

Offset Well Error: 0.0 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
5,200.0	5,080.5	5,147.8	5,128.5	22.2	13.2	-163.97	259.8	229.0	724.8	698.6	26.22	27.641	
5,300.0	5,177.4	5,231.2	5,211.6	22.8	13.4	-164.04	264.4	233.8	743.4	716.7	26.70	27.846	
5,400.0	5,274.2	5,313.7	5,294.0	23.3	13.6	-164.25	267.4	236.8	764.0	736.9	27.13	28.160	
5,500.0	5,371.0	5,400.0	5,380.3	23.8	13.7	-164.58	268.7	238.2	786.6	759.1	27.54	28.561	
5,600.0	5,467.8	5,487.6	5,467.8	24.4	13.9	-165.00	268.7	238.2	810.7	782.7	27.95	29.010	
5,700.0	5,564.7	5,584.4	5,564.7	24.9	14.1	-179.66	268.5	238.2	834.9	806.7	28.26	29.546	
5,800.0	5,661.3	5,681.3	5,660.9	25.3	14.2	145.87	258.3	238.2	859.1	830.8	28.32	30.340	
5,900.0	5,755.6	5,778.0	5,754.4	25.7	14.2	124.51	233.8	238.1	882.8	854.4	28.37	31.120	
6,000.0	5,845.1	5,874.8	5,843.1	26.0	14.2	112.22	195.3	238.0	905.2	876.8	28.47	31.798	
6,100.0	5,927.8	5,972.0	5,925.3	26.2	14.1	104.51	143.7	237.8	926.0	897.3	28.66	32.306	
6,200.0	6,001.6	6,069.7	5,999.0	26.5	14.1	99.29	79.7	237.5	944.5	915.5	28.99	32.584	
6,300.0	6,064.6	6,167.9	6,062.5	26.7	14.1	95.62	4.8	237.2	960.3	930.8	29.47	32.583	
6,400.0	6,115.3	6,266.8	6,113.9	27.0	14.2	93.05	-79.5	236.9	973.0	942.8	30.15	32.271	
6,500.0	6,152.5	6,366.1	6,151.8	27.2	14.5	91.33	-171.2	236.5	982.3	951.3	31.06	31.623	
6,600.0	6,175.3	6,465.9	6,175.1	27.6	15.2	90.33	-268.1	236.2	988.1	955.8	32.22	30.666	
6,700.0	6,183.0	6,565.9	6,183.0	28.0	16.1	90.00	-367.6	235.8	990.0	956.4	33.61	29.460	
6,800.0	6,183.0	6,666.2	6,183.0	28.4	17.2	90.00	-468.0	235.4	990.0	954.4	35.58	27.822	
6,900.0	6,183.0	6,766.2	6,183.0	29.1	18.4	90.00	-568.0	235.1	990.0	952.2	37.86	26.151	
7,000.0	6,183.0	6,866.2	6,183.0	29.8	19.7	90.00	-668.0	234.7	990.0	949.6	40.37	24.524	
7,100.0	6,183.0	6,966.2	6,183.0	30.6	21.1	90.00	-768.0	234.4	990.0	946.9	43.08	22.982	
7,200.0	6,183.0	7,066.2	6,183.0	31.6	22.5	90.00	-868.0	234.0	990.0	944.0	45.95	21.546	
7,300.0	6,183.0	7,166.2	6,183.0	32.6	24.1	90.00	-968.0	233.6	990.0	941.0	48.95	20.224	
7,400.0	6,183.0	7,266.2	6,183.0	33.7	25.7	90.00	-1,068.0	233.3	990.0	937.9	52.06	19.015	
7,500.0	6,183.0	7,366.2	6,183.0	34.9	27.3	90.00	-1,168.0	232.9	990.0	934.7	55.27	17.912	
7,600.0	6,183.0	7,466.2	6,183.0	36.2	29.0	90.00	-1,268.0	232.6	990.0	931.4	58.55	16.908	
7,700.0	6,183.0	7,566.2	6,183.0	37.6	30.7	90.00	-1,368.0	232.2	989.9	928.0	61.90	15.994	
7,800.0	6,183.0	7,666.2	6,183.0	38.9	32.4	90.00	-1,468.0	231.9	989.9	924.6	65.30	15.160	
7,900.0	6,183.0	7,766.2	6,183.0	40.4	34.1	90.00	-1,568.0	231.5	989.9	921.2	68.74	14.400	
8,000.0	6,183.0	7,866.2	6,183.0	41.9	35.9	90.00	-1,668.0	231.2	989.9	917.7	72.23	13.705	
8,100.0	6,183.0	7,966.2	6,183.0	43.4	37.6	90.00	-1,768.0	230.8	989.9	914.2	75.75	13.068	
8,200.0	6,183.0	8,066.2	6,183.0	44.9	39.4	90.00	-1,868.0	230.5	989.9	910.6	79.30	12.482	
8,300.0	6,183.0	8,166.2	6,183.0	46.5	41.2	90.00	-1,968.0	230.1	989.9	907.0	82.88	11.943	
8,400.0	6,183.0	8,266.2	6,183.0	48.1	43.0	90.00	-2,068.0	229.8	989.9	903.4	86.48	11.446	
8,500.0	6,183.0	8,366.2	6,183.0	49.7	44.9	90.00	-2,168.0	229.4	989.9	899.8	90.10	10.986	
8,600.0	6,183.0	8,466.2	6,183.0	51.4	46.7	90.00	-2,268.0	229.1	989.9	896.1	93.74	10.560	
8,700.0	6,183.0	8,566.2	6,183.0	53.0	48.5	90.00	-2,368.0	228.7	989.9	892.5	97.39	10.164	
8,800.0	6,183.0	8,666.2	6,183.0	54.7	50.4	90.00	-2,468.0	228.3	989.9	888.8	101.06	9.795	
8,900.0	6,183.0	8,766.2	6,183.0	56.4	52.2	90.00	-2,568.0	228.0	989.8	885.1	104.74	9.450	
9,000.0	6,183.0	8,866.2	6,183.0	58.1	54.1	90.00	-2,668.0	227.6	989.8	881.4	108.43	9.129	
9,100.0	6,183.0	8,966.2	6,183.0	59.9	55.9	90.00	-2,768.0	227.3	989.8	877.7	112.13	8.827	
9,200.0	6,183.0	9,066.2	6,183.0	61.6	57.8	90.00	-2,868.0	226.9	989.8	874.0	115.84	8.544	
9,300.0	6,183.0	9,166.2	6,183.0	63.4	59.6	90.00	-2,968.0	226.6	989.8	870.2	119.56	8.278	
9,400.0	6,183.0	9,266.2	6,183.0	65.1	61.5	90.00	-3,068.0	226.2	989.8	866.5	123.29	8.028	
9,500.0	6,183.0	9,366.2	6,183.0	66.9	63.4	90.00	-3,168.0	225.9	989.8	862.8	127.02	7.792	
9,600.0	6,183.0	9,466.2	6,183.0	68.7	65.3	90.00	-3,268.0	225.5	989.8	859.0	130.76	7.569	
9,700.0	6,183.0	9,566.2	6,183.0	70.5	67.1	90.00	-3,368.0	225.2	989.8	855.3	134.51	7.358	
9,800.0	6,183.0	9,666.2	6,183.0	72.3	69.0	90.00	-3,468.0	224.8	989.8	851.5	138.26	7.159	
9,900.0	6,183.0	9,766.2	6,183.0	74.1	70.9	90.00	-3,568.0	224.5	989.8	847.7	142.02	6.969	
10,000.0	6,183.0	9,866.2	6,183.0	75.9	72.8	90.00	-3,668.0	224.1	989.7	844.0	145.78	6.789	
10,100.0	6,183.0	9,966.2	6,183.0	77.7	74.7	90.00	-3,768.0	223.8	989.7	840.2	149.54	6.618	
10,200.0	6,183.0	10,066.2	6,183.0	79.5	76.6	90.00	-3,868.0	223.4	989.7	836.4	153.31	6.456	
10,300.0	6,183.0	10,166.2	6,183.0	81.3	78.4	90.00	-3,968.0	223.0	989.7	832.6	157.08	6.301	

Company:	Synergy Resources	**Local Co-ordinate Reference:**	Well Conrad 44-1GHZ
Project:	SEC.1-T6N-R59W	**TVD Reference:**	WELL @ 4924.5ft (RKB - 13.5')
Reference Site:	Brian Conrad 1-C Pad Sec.1-T6N-R59W	**MD Reference:**	WELL @ 4924.5ft (RKB - 13.5')
Site Error:	0.0ft	**North Reference:**	True
Reference Well:	Conrad 44-1GHZ	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0ft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	Landmark
Reference Design:	Plan #2 (4-22-15)	**Offset TVD Reference:**	Offset Datum

Offset Design Brian Conrad 1-C Pad Sec.1-T6N-R59W - Conrad 34-1GHZ - Wellbore #1 - Plan #2 (4-22-15)

Offset Site Error: 0.0 ft

Survey Program: 0-MWD

Offset Well Error: 0.0 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
10,400.0	6,183.0	10,266.2	6,183.0	83.1	80.3	90.00	-4,068.0	222.7	989.7	828.9	160.86	6.153	
10,500.0	6,183.0	10,366.2	6,183.0	85.0	82.2	90.00	-4,168.0	222.3	989.7	825.1	164.64	6.011	
10,600.0	6,183.0	10,466.2	6,183.0	86.8	84.1	90.00	-4,268.0	222.0	989.7	821.3	168.42	5.876	
10,700.0	6,183.0	10,566.2	6,183.0	88.6	86.0	90.00	-4,368.0	221.6	989.7	817.5	172.20	5.747	
10,702.4	6,183.0	10,568.6	6,183.0	88.7	86.1	90.00	-4,370.3	221.6	989.7	817.4	172.29	5.744	
10,704.4	6,183.0	10,568.6	6,183.0	88.7	86.1	90.00	-4,370.4	221.6	989.7	817.4	172.33	5.743	SF

Company:	Synergy Resources	**Local Co-ordinate Reference:**	Well Conrad 44-1GHZ
Project:	SEC.1-T6N-R59W	**TVD Reference:**	WELL @ 4924.5ft (RKB - 13.5')
Reference Site:	Brian Conrad 1-C Pad Sec.1-T6N-R59W	**MD Reference:**	WELL @ 4924.5ft (RKB - 13.5')
Site Error:	0.0ft	**North Reference:**	True
Reference Well:	Conrad 44-1GHZ	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0ft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	Landmark
Reference Design:	Plan #2 (4-22-15)	**Offset TVD Reference:**	Offset Datum

Offset Design Brian Conrad 1-C Pad Sec.1-T6N-R59W - Conrad D-1GHZ - Wellbore #1 - Plan #2 (4-22-15)

Offset Site Error: 0.0 ft

Survey Program: 0-MWD

Offset Well Error: 0.0 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
0.0	0.0	1.0	1.0	0.0	0.0	-43.85	40.8	-39.2	56.6	56.6	0.00	N/A	
100.0	100.0	101.0	101.0	0.1	0.1	-43.85	40.8	-39.2	56.6	56.4	0.23	249.248	
200.0	200.0	201.0	201.0	0.3	0.3	-43.85	40.8	-39.2	56.6	55.9	0.68	83.635	
300.0	300.0	301.0	301.0	0.6	0.6	-43.85	40.8	-39.2	56.6	55.5	1.13	50.248	
400.0	400.0	401.0	401.0	0.8	0.8	-43.85	40.8	-39.2	56.6	55.0	1.58	35.912	
500.0	500.0	501.0	501.0	1.0	1.0	-43.85	40.8	-39.2	56.6	54.6	2.03	27.940	
600.0	600.0	601.0	601.0	1.2	1.2	-43.85	40.8	-39.2	56.6	54.1	2.47	22.865	
700.0	700.0	701.0	701.0	1.5	1.5	-43.85	40.8	-39.2	56.6	53.7	2.92	19.350	
800.0	800.0	801.0	801.0	1.7	1.7	-43.85	40.8	-39.2	56.6	53.2	3.37	16.772	CC, ES
900.0	900.0	901.0	901.0	1.9	1.9	-121.06	40.8	-39.2	57.2	53.4	3.81	15.013	
1,000.0	999.9	1,000.9	1,000.9	2.1	2.1	-124.28	40.8	-39.2	59.4	55.1	4.25	13.983	
1,100.0	1,099.7	1,101.5	1,101.5	2.3	2.4	-128.10	41.3	-38.0	62.6	58.0	4.68	13.393	
1,200.0	1,199.3	1,202.2	1,202.1	2.6	2.6	-131.29	42.9	-34.3	66.5	61.4	5.11	13.015	
1,300.0	1,298.6	1,303.1	1,302.8	2.8	2.8	-133.90	45.5	-28.2	70.8	65.3	5.55	12.756	
1,400.0	1,397.5	1,404.1	1,403.3	3.1	3.0	-135.96	49.2	-19.6	75.6	69.6	6.01	12.572	
1,500.0	1,496.1	1,505.2	1,503.7	3.4	3.3	-137.55	53.9	-8.5	80.7	74.2	6.49	12.429	
1,600.0	1,594.2	1,605.0	1,602.6	3.8	3.5	-139.33	59.2	3.7	87.0	80.0	6.99	12.436	
1,700.0	1,691.7	1,704.6	1,701.3	4.1	3.8	-141.84	64.4	15.8	95.4	87.9	7.50	12.715	
1,800.0	1,788.7	1,803.9	1,799.7	4.6	4.1	-144.72	69.6	28.0	105.9	97.9	8.01	13.218	
1,900.0	1,885.5	1,903.1	1,898.1	5.0	4.4	-147.29	74.7	40.1	117.1	108.6	8.54	13.725	
2,000.0	1,982.3	2,002.3	1,996.5	5.5	4.7	-149.40	79.9	52.2	128.6	119.5	9.06	14.191	
2,100.0	2,079.1	2,101.6	2,094.8	6.0	5.0	-151.16	85.1	64.3	140.2	130.6	9.59	14.619	
2,200.0	2,175.9	2,200.8	2,193.2	6.5	5.3	-152.65	90.3	76.4	151.8	141.7	10.11	15.012	
2,300.0	2,272.8	2,300.1	2,291.6	7.0	5.6	-153.94	95.5	88.6	163.6	153.0	10.64	15.373	
2,400.0	2,369.6	2,399.3	2,389.9	7.5	5.9	-155.04	100.7	100.7	175.5	164.3	11.17	15.704	
2,500.0	2,466.4	2,498.6	2,488.3	8.0	6.2	-156.01	105.9	112.8	187.4	175.7	11.70	16.010	
2,600.0	2,563.2	2,597.8	2,586.6	8.5	6.6	-156.86	111.1	124.9	199.3	187.1	12.23	16.291	
2,700.0	2,660.0	2,697.0	2,685.0	9.0	6.9	-157.62	116.3	137.1	211.3	198.5	12.77	16.552	
2,800.0	2,756.9	2,796.3	2,783.4	9.5	7.2	-158.29	121.5	149.2	223.3	210.0	13.30	16.793	
2,900.0	2,853.7	2,895.5	2,881.7	10.1	7.5	-158.90	126.6	161.3	235.4	221.5	13.83	17.016	
3,000.0	2,950.5	2,994.8	2,980.1	10.6	7.8	-159.45	131.8	173.4	247.4	233.1	14.36	17.224	
3,100.0	3,047.3	3,094.0	3,078.5	11.1	8.2	-159.94	137.0	185.6	259.5	244.6	14.90	17.418	
3,200.0	3,144.1	3,193.3	3,176.8	11.6	8.5	-160.39	142.2	197.7	271.6	256.2	15.43	17.599	
3,300.0	3,241.0	3,292.5	3,275.2	12.1	8.8	-160.81	147.4	209.8	283.7	267.8	15.97	17.768	
3,400.0	3,337.8	3,391.7	3,373.5	12.7	9.1	-161.19	152.6	221.9	295.9	279.4	16.51	17.926	
3,500.0	3,434.6	3,491.0	3,471.9	13.2	9.4	-161.53	157.8	234.1	308.0	291.0	17.04	18.075	
3,600.0	3,531.4	3,590.2	3,570.3	13.7	9.8	-161.86	163.0	246.2	320.2	302.6	17.58	18.214	
3,700.0	3,628.2	3,689.5	3,668.6	14.3	10.1	-162.16	168.2	258.3	332.3	314.2	18.12	18.346	
3,800.0	3,725.1	3,788.7	3,767.0	14.8	10.4	-162.43	173.4	270.4	344.5	325.9	18.65	18.470	
3,900.0	3,821.9	3,888.0	3,865.4	15.3	10.8	-162.69	178.5	282.6	356.7	337.5	19.19	18.587	
4,000.0	3,918.7	3,987.2	3,963.7	15.8	11.1	-162.94	183.7	294.7	368.9	349.2	19.73	18.698	
4,100.0	4,015.5	4,086.4	4,062.1	16.4	11.4	-163.16	188.9	306.8	381.1	360.8	20.27	18.803	
4,200.0	4,112.3	4,185.7	4,160.4	16.9	11.7	-163.37	194.1	318.9	393.3	372.5	20.81	18.902	
4,300.0	4,209.2	4,284.9	4,258.8	17.4	12.1	-163.57	199.3	331.0	405.5	384.1	21.34	18.997	
4,400.0	4,306.0	4,384.2	4,357.2	18.0	12.4	-163.76	204.5	343.2	417.7	395.8	21.88	19.087	
4,500.0	4,402.8	4,483.4	4,455.5	18.5	12.7	-163.94	209.7	355.3	429.9	407.5	22.42	19.172	
4,600.0	4,499.6	4,582.7	4,553.9	19.0	13.1	-164.11	214.9	367.4	442.1	419.2	22.96	19.254	
4,700.0	4,596.4	4,681.9	4,652.3	19.6	13.4	-164.27	220.1	379.5	454.3	430.8	23.50	19.331	
4,800.0	4,693.3	4,781.1	4,750.6	20.1	13.7	-164.42	225.3	391.7	466.6	442.5	24.04	19.405	
4,900.0	4,790.1	4,880.4	4,849.0	20.6	14.0	-164.56	230.4	403.8	478.8	454.2	24.58	19.476	
5,000.0	4,886.9	4,979.6	4,947.3	21.2	14.4	-164.69	235.6	415.9	491.0	465.9	25.12	19.544	
5,100.0	4,983.7	5,078.9	5,045.7	21.7	14.7	-164.82	240.8	428.0	503.3	477.6	25.66	19.609	

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

Company:	Synergy Resources	**Local Co-ordinate Reference:**	Well Conrad 44-1GHZ
Project:	SEC.1-T6N-R59W	**TVD Reference:**	WELL @ 4924.5ft (RKB - 13.5')
Reference Site:	Brian Conrad 1-C Pad Sec.1-T6N-R59W	**MD Reference:**	WELL @ 4924.5ft (RKB - 13.5')
Site Error:	0.0ft	**North Reference:**	True
Reference Well:	Conrad 44-1GHZ	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0ft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	Landmark
Reference Design:	Plan #2 (4-22-15)	**Offset TVD Reference:**	Offset Datum

Offset Design Brian Conrad 1-C Pad Sec.1-T6N-R59W - Conrad D-1GHZ - Wellbore #1 - Plan #2 (4-22-15)

Offset Site Error: 0.0 ft

Survey Program: 0-MWD

Offset Well Error: 0.0 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
5,200.0	5,080.5	5,178.1	5,144.1	22.2	15.0	-164.95	246.0	440.2	515.5	489.3	26.21	19.671	
5,300.0	5,177.4	5,277.4	5,242.4	22.8	15.4	-165.06	251.2	452.3	527.7	501.0	26.75	19.731	
5,400.0	5,274.2	5,376.6	5,340.8	23.3	15.7	-165.17	256.4	464.4	540.0	512.7	27.29	19.788	
5,500.0	5,371.0	5,475.8	5,439.2	23.8	16.0	-165.28	261.6	476.5	552.2	524.4	27.83	19.843	
5,600.0	5,467.8	5,575.2	5,537.7	24.4	16.3	-165.42	266.5	488.7	564.5	536.1	28.36	19.904	
5,700.0	5,564.7	5,673.9	5,635.3	24.9	16.6	179.69	260.9	500.7	576.7	548.1	28.61	20.158	
5,800.0	5,661.3	5,770.3	5,728.9	25.3	16.8	145.26	240.8	512.1	589.2	560.6	28.66	20.561	
5,900.0	5,755.6	5,865.1	5,816.8	25.7	16.9	123.97	207.5	522.8	601.7	572.9	28.75	20.929	
6,000.0	5,845.1	5,958.4	5,897.7	26.0	17.0	111.76	162.2	532.6	613.7	584.7	28.94	21.206	
6,100.0	5,927.8	6,050.0	5,969.9	26.2	17.1	104.13	106.5	541.3	624.9	595.6	29.26	21.355	
6,200.0	6,001.6	6,141.4	6,033.3	26.5	17.2	98.99	41.2	548.8	635.0	605.2	29.74	21.349	
6,300.0	6,064.6	6,231.6	6,086.1	26.7	17.4	95.39	-31.5	555.1	643.6	613.3	30.36	21.203	
6,400.0	6,115.3	6,321.2	6,128.0	27.0	17.6	92.87	-110.5	559.9	650.6	619.5	31.13	20.904	
6,500.0	6,152.5	6,410.3	6,158.3	27.2	18.0	91.19	-194.1	563.4	655.8	623.8	32.04	20.466	
6,600.0	6,175.3	6,500.0	6,176.9	27.6	18.5	90.23	-281.8	565.3	659.0	625.8	33.12	19.896	
6,700.0	6,183.0	6,588.8	6,183.0	28.0	19.1	89.91	-370.3	565.8	660.0	625.7	34.35	19.214	
6,732.8	6,183.0	6,620.4	6,183.0	28.1	19.4	89.91	-401.9	565.7	660.0	625.0	35.00	18.859	
6,800.0	6,183.0	6,687.6	6,183.0	28.4	20.0	89.91	-469.1	565.4	660.0	623.7	36.37	18.149	
6,900.0	6,183.0	6,787.6	6,183.0	29.1	21.1	89.91	-569.1	565.0	660.0	621.4	38.66	17.074	
7,000.0	6,183.0	6,887.6	6,183.0	29.8	22.3	89.91	-669.1	564.7	660.0	618.9	41.18	16.029	
7,100.0	6,183.0	6,987.6	6,183.0	30.6	23.5	89.91	-769.1	564.3	660.0	616.1	43.89	15.038	
7,200.0	6,183.0	7,087.6	6,183.0	31.6	24.9	89.91	-869.1	564.0	660.0	613.3	46.76	14.115	
7,300.0	6,183.0	7,187.6	6,183.0	32.6	26.4	89.91	-969.1	563.6	660.0	610.3	49.76	13.264	
7,400.0	6,183.0	7,287.6	6,183.0	33.7	27.9	89.91	-1,069.1	563.2	660.0	607.2	52.87	12.483	
7,500.0	6,183.0	7,387.6	6,183.0	34.9	29.4	89.91	-1,169.1	562.9	660.0	604.0	56.07	11.771	
7,600.0	6,183.0	7,487.6	6,183.0	36.2	31.0	89.91	-1,269.1	562.5	660.0	600.7	59.35	11.121	
7,700.0	6,183.0	7,587.6	6,183.0	37.6	32.6	89.91	-1,369.1	562.1	660.0	597.4	62.69	10.528	
7,800.0	6,183.0	7,687.6	6,183.0	38.9	34.3	89.91	-1,469.1	561.8	660.1	594.0	66.09	9.987	
7,900.0	6,183.0	7,787.6	6,183.0	40.4	36.0	89.91	-1,569.1	561.4	660.1	590.5	69.53	9.493	
8,000.0	6,183.0	7,887.6	6,183.0	41.9	37.7	89.91	-1,669.1	561.0	660.1	587.0	73.01	9.040	
8,100.0	6,183.0	7,987.6	6,183.0	43.4	39.4	89.91	-1,769.1	560.7	660.1	583.5	76.53	8.625	
8,200.0	6,183.0	8,087.6	6,183.0	44.9	41.1	89.91	-1,869.1	560.3	660.1	580.0	80.08	8.243	
8,300.0	6,183.0	8,187.6	6,183.0	46.5	42.9	89.91	-1,969.1	559.9	660.1	576.4	83.65	7.891	
8,400.0	6,183.0	8,287.6	6,183.0	48.1	44.7	89.91	-2,069.1	559.6	660.1	572.8	87.25	7.565	
8,500.0	6,183.0	8,387.6	6,183.0	49.7	46.5	89.91	-2,169.1	559.2	660.1	569.2	90.86	7.264	
8,600.0	6,183.0	8,487.6	6,183.0	51.4	48.2	89.91	-2,269.1	558.8	660.1	565.6	94.50	6.985	
8,700.0	6,183.0	8,587.6	6,183.0	53.0	50.0	89.91	-2,369.1	558.5	660.1	561.9	98.15	6.725	
8,800.0	6,183.0	8,687.6	6,183.0	54.7	51.9	89.91	-2,469.1	558.1	660.1	558.3	101.81	6.483	
8,900.0	6,183.0	8,787.6	6,183.0	56.4	53.7	89.91	-2,569.1	557.8	660.1	554.6	105.49	6.257	
9,000.0	6,183.0	8,887.6	6,183.0	58.1	55.5	89.91	-2,669.1	557.4	660.1	550.9	109.18	6.046	
9,100.0	6,183.0	8,987.6	6,183.0	59.9	57.3	89.91	-2,769.1	557.0	660.1	547.2	112.88	5.848	
9,200.0	6,183.0	9,087.6	6,183.0	61.6	59.2	89.91	-2,869.1	556.7	660.1	543.5	116.58	5.662	
9,300.0	6,183.0	9,187.6	6,183.0	63.4	61.0	89.91	-2,969.1	556.3	660.1	539.8	120.30	5.487	
9,400.0	6,183.0	9,287.6	6,183.0	65.1	62.9	89.91	-3,069.1	555.9	660.1	536.1	124.02	5.322	
9,500.0	6,183.0	9,387.6	6,183.0	66.9	64.7	89.91	-3,169.1	555.6	660.1	532.3	127.75	5.167	
9,600.0	6,183.0	9,487.6	6,183.0	68.7	66.6	89.91	-3,269.1	555.2	660.1	528.6	131.49	5.020	
9,700.0	6,183.0	9,587.6	6,183.0	70.5	68.4	89.91	-3,369.1	554.8	660.1	524.9	135.24	4.881	
9,800.0	6,183.0	9,687.6	6,183.0	72.3	70.3	89.91	-3,469.1	554.5	660.1	521.1	138.98	4.750	
9,900.0	6,183.0	9,787.6	6,183.0	74.1	72.2	89.91	-3,569.1	554.1	660.1	517.4	142.74	4.625	
10,000.0	6,183.0	9,887.6	6,183.0	75.9	74.0	89.91	-3,669.1	553.7	660.1	513.6	146.50	4.506	
10,100.0	6,183.0	9,987.6	6,183.0	77.7	75.9	89.91	-3,769.1	553.4	660.1	509.9	150.26	4.393	
10,200.0	6,183.0	10,087.6	6,183.0	79.5	77.8	89.91	-3,869.1	553.0	660.1	506.1	154.03	4.286	

Company:	Synergy Resources	**Local Co-ordinate Reference:**	Well Conrad 44-1GHZ
Project:	SEC.1-T6N-R59W	**TVD Reference:**	WELL @ 4924.5ft (RKB - 13.5')
Reference Site:	Brian Conrad 1-C Pad Sec.1-T6N-R59W	**MD Reference:**	WELL @ 4924.5ft (RKB - 13.5')
Site Error:	0.0ft	**North Reference:**	True
Reference Well:	Conrad 44-1GHZ	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0ft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	Landmark
Reference Design:	Plan #2 (4-22-15)	**Offset TVD Reference:**	Offset Datum

Offset Design Brian Conrad 1-C Pad Sec.1-T6N-R59W - Conrad D-1GHZ - Wellbore #1 - Plan #2 (4-22-15)

Offset Site Error: 0.0 ft

Survey Program: 0-MWD

Offset Well Error: 0.0 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
10,300.0	6,183.0	10,187.6	6,183.0	81.3	79.6	89.91	-3,969.1	552.6	660.1	502.3	157.80	4.183	
10,400.0	6,183.0	10,287.6	6,183.0	83.1	81.5	89.91	-4,069.1	552.3	660.1	498.6	161.57	4.086	
10,500.0	6,183.0	10,387.6	6,183.0	85.0	83.4	89.91	-4,169.1	551.9	660.1	494.8	165.35	3.992	
10,600.0	6,183.0	10,487.6	6,183.0	86.8	85.3	89.91	-4,269.1	551.6	660.1	491.0	169.13	3.903	
10,700.0	6,183.0	10,587.6	6,183.0	88.6	87.2	89.91	-4,369.1	551.2	660.1	487.2	172.91	3.818	
10,700.0	6,183.0	10,587.6	6,183.0	88.6	87.2	89.91	-4,369.1	551.2	660.1	487.2	172.91	3.818	
10,704.4	6,183.0	10,590.8	6,183.0	88.7	87.2	89.91	-4,372.2	551.2	660.1	487.1	173.05	3.815	SF

Company:	Synergy Resources	**Local Co-ordinate Reference:**	Well Conrad 44-1GHZ
Project:	SEC.1-T6N-R59W	**TVD Reference:**	WELL @ 4924.5ft (RKB - 13.5')
Reference Site:	Brian Conrad 1-C Pad Sec.1-T6N-R59W	**MD Reference:**	WELL @ 4924.5ft (RKB - 13.5')
Site Error:	0.0ft	**North Reference:**	True
Reference Well:	Conrad 44-1GHZ	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0ft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	Landmark
Reference Design:	Plan #2 (4-22-15)	**Offset TVD Reference:**	Offset Datum

Offset Design Brian Conrad 1-C Pad Sec.1-T6N-R59W - Conrad Q-1GHZ - Wellbore #1 - Plan #2 (4-22-15)

Offset Site Error: 0.0 ft

Survey Program: 0-MWD

Offset Well Error: 0.0 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
0.0	0.0	0.0	0.0	0.0	0.0	-134.11	-39.3	-40.6	56.6				
100.0	100.0	98.0	98.0	0.1	0.1	-134.11	-39.3	-40.6	56.5	56.3	0.22	254.045	
200.0	200.0	198.0	198.0	0.3	0.3	-134.11	-39.3	-40.6	56.5	55.9	0.67	84.399	
300.0	300.0	298.0	298.0	0.6	0.6	-134.11	-39.3	-40.6	56.5	55.4	1.12	50.504	
400.0	400.0	398.0	398.0	0.8	0.8	-134.11	-39.3	-40.6	56.5	55.0	1.57	36.033	
500.0	500.0	498.0	498.0	1.0	1.0	-134.11	-39.3	-40.6	56.5	54.5	2.02	28.008	
600.0	600.0	598.0	598.0	1.2	1.2	-134.11	-39.3	-40.6	56.5	54.1	2.47	22.906	
700.0	700.0	698.0	698.0	1.5	1.5	-134.11	-39.3	-40.6	56.5	53.6	2.92	19.377	
800.0	800.0	798.0	798.0	1.7	1.7	-134.11	-39.3	-40.6	56.5	53.2	3.37	16.790	CC, ES
900.0	900.0	898.0	898.0	1.9	1.9	150.46	-39.3	-40.6	57.7	53.9	3.81	15.149	
1,000.0	999.9	997.9	997.9	2.1	2.1	152.25	-39.3	-40.6	61.1	56.9	4.24	14.417	
1,100.0	1,099.7	1,097.7	1,097.7	2.3	2.4	154.82	-39.3	-40.6	67.0	62.3	4.67	14.327	SF
1,200.0	1,199.3	1,197.3	1,197.3	2.6	2.6	157.73	-39.3	-40.6	75.4	70.2	5.11	14.743	
1,300.0	1,298.6	1,296.6	1,296.6	2.8	2.8	160.63	-39.3	-40.6	86.4	80.8	5.55	15.563	
1,400.0	1,397.5	1,395.5	1,395.5	3.1	3.0	163.29	-39.3	-40.6	100.0	94.0	5.99	16.710	
1,500.0	1,496.1	1,494.1	1,494.1	3.4	3.2	165.63	-39.3	-40.6	116.4	109.9	6.42	18.121	
1,600.0	1,594.2	1,592.2	1,592.2	3.8	3.5	167.61	-39.3	-40.6	135.4	128.5	6.86	19.745	
1,700.0	1,691.7	1,689.7	1,689.7	4.1	3.7	169.28	-39.3	-40.6	157.0	149.7	7.29	21.542	
1,800.0	1,788.7	1,786.7	1,786.7	4.6	3.9	170.68	-39.3	-40.6	181.1	173.4	7.73	23.430	
1,900.0	1,885.5	1,883.5	1,883.5	5.0	4.1	171.81	-39.3	-40.6	205.9	197.7	8.19	25.122	
2,000.0	1,982.3	1,980.3	1,980.3	5.5	4.3	172.69	-39.3	-40.6	230.7	222.0	8.66	26.627	
2,100.0	2,079.1	2,077.1	2,077.1	6.0	4.6	173.40	-39.3	-40.6	255.5	246.4	9.13	27.972	
2,200.0	2,175.9	2,173.9	2,173.9	6.5	4.8	173.99	-39.3	-40.6	280.4	270.8	9.61	29.180	
2,300.0	2,272.8	2,271.7	2,271.7	7.0	5.0	174.62	-38.7	-40.7	305.2	295.1	10.09	30.258	
2,400.0	2,369.6	2,369.9	2,369.8	7.5	5.2	175.58	-35.6	-41.2	329.6	319.0	10.56	31.214	
2,500.0	2,466.4	2,467.9	2,467.7	8.0	5.4	176.82	-30.1	-42.1	353.8	342.7	11.03	32.067	
2,600.0	2,563.2	2,565.7	2,565.1	8.5	5.7	178.28	-22.1	-43.4	377.8	366.3	11.51	32.830	
2,700.0	2,660.0	2,662.7	2,661.6	9.0	5.9	179.89	-12.0	-45.1	401.8	389.9	11.99	33.516	
2,800.0	2,756.9	2,759.2	2,757.5	9.5	6.1	-178.65	-1.5	-46.8	426.1	413.7	12.48	34.138	
2,900.0	2,853.7	2,855.6	2,853.4	10.1	6.3	-177.34	8.9	-48.6	450.7	437.7	12.98	34.707	
3,000.0	2,950.5	2,952.1	2,949.2	10.6	6.6	-176.16	19.3	-50.3	475.4	461.9	13.50	35.221	
3,100.0	3,047.3	3,048.5	3,045.1	11.1	6.8	-175.10	29.7	-52.0	500.3	486.3	14.02	35.691	
3,200.0	3,144.1	3,145.0	3,141.0	11.6	7.1	-174.14	40.1	-53.8	525.3	510.8	14.54	36.118	
3,300.0	3,241.0	3,241.4	3,236.9	12.1	7.3	-173.27	50.6	-55.5	550.5	535.4	15.08	36.507	
3,400.0	3,337.8	3,337.9	3,332.7	12.7	7.6	-172.47	61.0	-57.2	575.8	560.1	15.62	36.862	
3,500.0	3,434.6	3,434.3	3,428.6	13.2	7.8	-171.74	71.4	-58.9	601.1	585.0	16.17	37.187	
3,600.0	3,531.4	3,530.8	3,524.5	13.7	8.1	-171.07	81.8	-60.7	626.6	609.9	16.72	37.485	
3,700.0	3,628.2	3,627.3	3,620.3	14.3	8.3	-170.45	92.3	-62.4	652.1	634.9	17.27	37.758	
3,800.0	3,725.1	3,723.7	3,716.2	14.8	8.6	-169.88	102.7	-64.1	677.7	659.9	17.83	38.009	
3,900.0	3,821.9	3,820.2	3,812.1	15.3	8.9	-169.35	113.1	-65.8	703.4	685.0	18.39	38.241	
4,000.0	3,918.7	3,916.6	3,908.0	15.8	9.1	-168.86	123.5	-67.6	729.1	710.1	18.96	38.455	
4,100.0	4,015.5	4,013.1	4,003.8	16.4	9.4	-168.40	134.0	-69.3	754.9	735.3	19.53	38.652	
4,200.0	4,112.3	4,109.5	4,099.7	16.9	9.7	-167.97	144.4	-71.0	780.7	760.6	20.10	38.836	
4,300.0	4,209.2	4,206.0	4,195.6	17.4	9.9	-167.56	154.8	-72.7	806.5	785.8	20.68	39.006	
4,400.0	4,306.0	4,302.4	4,291.5	18.0	10.2	-167.19	165.2	-74.5	832.4	811.1	21.25	39.165	
4,500.0	4,402.8	4,398.9	4,387.3	18.5	10.5	-166.83	175.7	-76.2	858.3	836.4	21.83	39.312	
4,600.0	4,499.6	4,495.3	4,483.2	19.0	10.7	-166.50	186.1	-77.9	884.2	861.8	22.41	39.450	
4,700.0	4,596.4	4,591.8	4,579.1	19.6	11.0	-166.18	196.5	-79.6	910.2	887.2	23.00	39.579	
4,800.0	4,693.3	4,688.2	4,674.9	20.1	11.3	-165.89	206.9	-81.4	936.2	912.6	23.58	39.700	
4,900.0	4,790.1	4,784.7	4,770.8	20.6	11.6	-165.60	217.4	-83.1	962.2	938.0	24.17	39.813	
5,000.0	4,886.9	4,881.1	4,866.7	21.2	11.8	-165.34	227.8	-84.8	988.2	963.4	24.75	39.920	

Company:	Synergy Resources	**Local Co-ordinate Reference:**	Well Conrad 44-1GHZ
Project:	SEC.1-T6N-R59W	**TVD Reference:**	WELL @ 4924.5ft (RKB - 13.5')
Reference Site:	Brian Conrad 1-C Pad Sec.1-T6N-R59W	**MD Reference:**	WELL @ 4924.5ft (RKB - 13.5')
Site Error:	0.0ft	**North Reference:**	True
Reference Well:	Conrad 44-1GHZ	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0ft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	Landmark
Reference Design:	Plan #2 (4-22-15)	**Offset TVD Reference:**	Offset Datum

Offset Design Brian Conrad 1-C Pad Sec.1-T6N-R59W - Conrad T-1GHZ - Wellbore #1 - Plan #2 (4-22-15)

Offset Site Error: 0.0 ft

Survey Program: 0-MWD

Offset Well Error: 0.0 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
0.0	0.0	0.0	0.0	0.0	0.0	-179.21	-40.1	-0.6	40.1				
100.0	100.0	98.0	98.0	0.1	0.1	-179.21	-40.1	-0.6	40.1	39.9	0.22	180.112	
200.0	200.0	198.0	198.0	0.3	0.3	-179.21	-40.1	-0.6	40.1	39.4	0.67	59.837	
300.0	300.0	298.0	298.0	0.6	0.6	-179.21	-40.1	-0.6	40.1	39.0	1.12	35.806	
400.0	400.0	398.0	398.0	0.8	0.8	-179.21	-40.1	-0.6	40.1	38.5	1.57	25.546	
500.0	500.0	498.0	498.0	1.0	1.0	-179.21	-40.1	-0.6	40.1	38.1	2.02	19.857	
600.0	600.0	598.0	598.0	1.2	1.2	-179.21	-40.1	-0.6	40.1	37.6	2.47	16.240	
700.0	700.0	698.0	698.0	1.5	1.5	-179.21	-40.1	-0.6	40.1	37.2	2.92	13.738	
800.0	800.0	798.0	798.0	1.7	1.7	-179.21	-40.1	-0.6	40.1	36.7	3.37	11.904	CC
900.0	900.0	898.0	898.0	1.9	1.9	106.51	-40.1	-0.6	40.4	36.6	3.81	10.621	ES
1,000.0	999.9	997.9	997.9	2.1	2.1	111.66	-40.1	-0.6	41.7	37.5	4.24	9.835	
1,100.0	1,099.7	1,097.7	1,097.7	2.3	2.4	119.45	-40.1	-0.6	44.6	39.9	4.68	9.510	
1,200.0	1,199.3	1,197.3	1,197.3	2.6	2.6	128.59	-40.1	-0.6	49.7	44.6	5.13	9.683	
1,300.0	1,298.6	1,297.8	1,297.8	2.8	2.8	137.02	-39.6	0.6	56.8	51.2	5.58	10.181	
1,400.0	1,397.5	1,398.6	1,398.5	3.1	3.0	143.74	-38.2	4.2	64.6	58.6	6.01	10.742	
1,500.0	1,496.1	1,499.7	1,499.3	3.4	3.2	149.21	-35.7	10.4	72.9	66.5	6.45	11.303	
1,600.0	1,594.2	1,601.0	1,600.3	3.8	3.5	153.75	-32.3	19.0	81.6	74.7	6.89	11.841	
1,700.0	1,691.7	1,702.6	1,701.2	4.1	3.7	157.62	-27.9	30.1	90.6	83.2	7.33	12.348	
1,800.0	1,788.7	1,804.6	1,802.0	4.6	4.0	160.95	-22.5	43.8	99.5	91.8	7.79	12.785	
1,900.0	1,885.5	1,906.9	1,902.9	5.0	4.3	163.63	-16.0	60.1	106.7	98.5	8.27	12.912	
2,000.0	1,982.3	2,009.2	2,003.1	5.5	4.6	165.80	-8.6	78.8	111.5	102.7	8.75	12.735	
2,100.0	2,079.1	2,109.0	2,100.8	6.0	5.0	167.70	-1.0	98.0	115.4	106.2	9.24	12.489	
2,200.0	2,175.9	2,208.9	2,198.5	6.5	5.3	169.47	6.6	117.1	119.4	109.7	9.73	12.277	
2,300.0	2,272.8	2,308.7	2,296.3	7.0	5.7	171.12	14.1	136.3	123.6	113.4	10.22	12.091	
2,400.0	2,369.6	2,408.6	2,394.0	7.5	6.1	172.67	21.7	155.4	127.8	117.1	10.72	11.927	
2,500.0	2,466.4	2,508.4	2,491.7	8.0	6.5	174.12	29.3	174.6	132.2	121.0	11.22	11.781	
2,600.0	2,563.2	2,608.3	2,589.4	8.5	6.9	175.47	36.9	193.7	136.6	124.9	11.72	11.649	
2,700.0	2,660.0	2,708.1	2,687.1	9.0	7.3	176.74	44.5	212.9	141.1	128.8	12.24	11.528	
2,800.0	2,756.9	2,808.0	2,784.8	9.5	7.7	177.93	52.1	232.0	145.6	132.9	12.76	11.416	
2,900.0	2,853.7	2,907.8	2,882.5	10.1	8.2	179.05	59.7	251.2	150.2	136.9	13.28	11.312	
3,000.0	2,950.5	3,007.7	2,980.2	10.6	8.6	-179.90	67.3	270.3	154.9	141.1	13.81	11.214	
3,100.0	3,047.3	3,107.5	3,077.9	11.1	9.0	-178.91	74.9	289.5	159.6	145.2	14.35	11.121	
3,200.0	3,144.1	3,207.4	3,175.6	11.6	9.4	-177.98	82.5	308.7	164.3	149.4	14.89	11.033	
3,300.0	3,241.0	3,307.3	3,273.3	12.1	9.9	-177.10	90.1	327.8	169.1	153.7	15.45	10.950	
3,400.0	3,337.8	3,407.1	3,371.0	12.7	10.3	-176.27	97.6	347.0	174.0	158.0	16.01	10.870	
3,500.0	3,434.6	3,507.0	3,468.7	13.2	10.7	-175.49	105.2	366.1	178.8	162.3	16.57	10.793	
3,600.0	3,531.4	3,606.8	3,566.4	13.7	11.2	-174.74	112.8	385.3	183.7	166.6	17.14	10.719	
3,700.0	3,628.2	3,706.7	3,664.1	14.3	11.6	-174.04	120.4	404.4	188.7	170.9	17.72	10.648	
3,800.0	3,725.1	3,806.5	3,761.8	14.8	12.0	-173.37	128.0	423.6	193.6	175.3	18.30	10.579	
3,900.0	3,821.9	3,906.4	3,859.5	15.3	12.5	-172.73	135.6	442.7	198.6	179.7	18.89	10.513	
4,000.0	3,918.7	4,006.2	3,957.2	15.8	12.9	-172.13	143.2	461.9	203.6	184.1	19.48	10.450	
4,100.0	4,015.5	4,106.1	4,054.9	16.4	13.4	-171.55	150.8	481.1	208.6	188.5	20.08	10.388	
4,200.0	4,112.3	4,205.9	4,152.6	16.9	13.8	-171.00	158.4	500.2	213.7	193.0	20.69	10.329	
4,300.0	4,209.2	4,305.8	4,250.3	17.4	14.2	-170.48	166.0	519.4	218.7	197.4	21.29	10.272	
4,400.0	4,306.0	4,405.6	4,348.0	18.0	14.7	-169.98	173.6	538.5	223.8	201.9	21.91	10.217	
4,500.0	4,402.8	4,505.5	4,445.7	18.5	15.1	-169.50	181.1	557.7	228.9	206.4	22.52	10.163	
4,600.0	4,499.6	4,605.3	4,543.4	19.0	15.6	-169.05	188.7	576.8	234.0	210.9	23.14	10.112	
4,700.0	4,596.4	4,705.2	4,641.1	19.6	16.0	-168.61	196.3	596.0	239.2	215.4	23.77	10.062	
4,800.0	4,693.3	4,805.0	4,738.8	20.1	16.5	-168.19	203.9	615.1	244.3	219.9	24.40	10.013	
4,900.0	4,790.1	4,904.9	4,836.5	20.6	16.9	-167.79	211.5	634.3	249.4	224.4	25.03	9.967	
5,000.0	4,886.9	5,004.7	4,934.2	21.2	17.4	-167.41	219.1	653.5	254.6	228.9	25.66	9.922	
5,100.0	4,983.7	5,104.6	5,031.9	21.7	17.8	-167.04	226.7	672.6	259.8	233.5	26.30	9.878	

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

Company:	Synergy Resources	**Local Co-ordinate Reference:**	Well Conrad 44-1GHZ
Project:	SEC.1-T6N-R59W	**TVD Reference:**	WELL @ 4924.5ft (RKB - 13.5')
Reference Site:	Brian Conrad 1-C Pad Sec.1-T6N-R59W	**MD Reference:**	WELL @ 4924.5ft (RKB - 13.5')
Site Error:	0.0ft	**North Reference:**	True
Reference Well:	Conrad 44-1GHZ	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0ft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	Landmark
Reference Design:	Plan #2 (4-22-15)	**Offset TVD Reference:**	Offset Datum

Offset Design Brian Conrad 1-C Pad Sec.1-T6N-R59W - Conrad T-1GHZ - Wellbore #1 - Plan #2 (4-22-15)

Offset Site Error: 0.0 ft

Survey Program: 0-MWD

Offset Well Error: 0.0 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
5,200.0	5,080.5	5,204.4	5,129.6	22.2	18.3	-166.68	234.3	691.8	265.0	238.0	26.94	9.836	
5,300.0	5,177.4	5,304.3	5,227.4	22.8	18.7	-166.34	241.9	710.9	270.2	242.6	27.58	9.795	
5,400.0	5,274.2	5,404.2	5,325.1	23.3	19.2	-166.01	249.5	730.1	275.4	247.1	28.23	9.755	
5,500.0	5,371.0	5,504.0	5,422.8	23.8	19.6	-165.69	257.1	749.2	280.6	251.7	28.88	9.717	
5,600.0	5,467.8	5,603.9	5,520.5	24.4	20.0	-165.41	264.6	768.4	285.8	256.3	29.52	9.682	
5,700.0	5,564.7	5,703.7	5,618.3	24.9	20.4	179.66	262.7	787.5	291.0	261.3	29.73	9.787	
5,800.0	5,661.3	5,801.8	5,713.1	25.3	20.7	145.29	245.7	806.0	296.5	266.8	29.71	9.980	
5,900.0	5,755.6	5,898.6	5,803.0	25.7	20.8	124.06	214.6	823.5	302.1	272.3	29.71	10.167	
6,000.0	5,845.1	5,994.2	5,886.2	26.0	21.0	111.91	170.7	839.6	307.6	277.8	29.81	10.319	
6,100.0	5,927.8	6,088.7	5,961.2	26.2	21.1	104.34	115.3	854.1	312.9	282.8	30.04	10.414	
6,200.0	6,001.6	6,182.2	6,026.8	26.5	21.2	99.26	49.9	866.7	317.7	287.3	30.42	10.443	
6,300.0	6,064.6	6,275.0	6,081.8	26.7	21.3	95.72	-24.0	877.2	321.9	291.0	30.95	10.401	
6,400.0	6,115.3	6,367.1	6,125.5	27.0	21.5	93.24	-104.6	885.5	325.4	293.8	31.60	10.295	
6,500.0	6,152.5	6,458.8	6,157.2	27.2	21.7	91.60	-190.3	891.4	327.9	295.5	32.42	10.116	
6,600.0	6,175.3	6,550.0	6,176.4	27.6	22.0	90.65	-279.3	894.8	329.5	296.1	33.37	9.873	
6,700.0	6,183.0	6,642.4	6,183.0	28.0	22.4	90.35	-371.4	895.8	330.0	295.5	34.50	9.567	
6,733.4	6,183.0	6,674.8	6,183.0	28.1	22.6	90.34	-403.7	895.7	330.0	294.9	35.11	9.401	
6,800.0	6,183.0	6,741.3	6,183.0	28.4	23.0	90.35	-470.3	895.4	330.0	293.6	36.39	9.070	
6,900.0	6,183.0	6,841.3	6,183.0	29.1	23.7	90.35	-570.3	895.1	330.0	291.5	38.55	8.561	
7,000.0	6,183.0	6,941.3	6,183.0	29.8	24.6	90.35	-670.3	894.7	330.0	289.1	40.96	8.057	
7,100.0	6,183.0	7,041.3	6,183.0	30.6	25.6	90.35	-770.3	894.3	330.0	286.4	43.58	7.574	
7,200.0	6,183.0	7,141.3	6,183.0	31.6	26.8	90.35	-870.3	894.0	330.0	283.7	46.36	7.118	
7,300.0	6,183.0	7,241.3	6,183.0	32.6	28.0	90.35	-970.3	893.6	330.0	280.7	49.29	6.695	
7,400.0	6,183.0	7,341.3	6,183.0	33.7	29.3	90.35	-1,070.3	893.2	330.0	277.7	52.34	6.305	
7,500.0	6,183.0	7,441.3	6,183.0	34.9	30.7	90.35	-1,170.3	892.9	330.0	274.5	55.49	5.948	
7,600.0	6,183.0	7,541.3	6,183.0	36.2	32.1	90.35	-1,270.3	892.5	330.0	271.3	58.72	5.621	
7,700.0	6,183.0	7,641.3	6,183.0	37.6	33.6	90.35	-1,370.3	892.1	330.0	268.0	62.02	5.322	
7,800.0	6,183.0	7,741.3	6,183.0	38.9	35.2	90.35	-1,470.3	891.8	330.0	264.7	65.38	5.048	
7,900.0	6,183.0	7,841.3	6,183.0	40.4	36.8	90.35	-1,570.3	891.4	330.0	261.2	68.79	4.798	
8,000.0	6,183.0	7,941.3	6,183.0	41.9	38.4	90.35	-1,670.3	891.1	330.0	257.8	72.24	4.569	
8,100.0	6,183.0	8,041.3	6,183.0	43.4	40.0	90.35	-1,770.3	890.7	330.0	254.3	75.73	4.358	
8,200.0	6,183.0	8,141.3	6,183.0	44.9	41.7	90.35	-1,870.3	890.3	330.0	250.8	79.25	4.164	
8,300.0	6,183.0	8,241.3	6,183.0	46.5	43.3	90.35	-1,970.3	890.0	330.0	247.2	82.81	3.986	
8,400.0	6,183.0	8,341.3	6,183.0	48.1	45.0	90.35	-2,070.3	889.6	330.0	243.7	86.38	3.821	
8,500.0	6,183.0	8,441.3	6,183.0	49.7	46.8	90.35	-2,170.3	889.2	330.0	240.1	89.98	3.668	
8,600.0	6,183.0	8,541.3	6,183.0	51.4	48.5	90.35	-2,270.3	888.9	330.0	236.4	93.60	3.526	
8,700.0	6,183.0	8,641.3	6,183.0	53.0	50.2	90.35	-2,370.3	888.5	330.0	232.8	97.24	3.394	
8,800.0	6,183.0	8,741.3	6,183.0	54.7	52.0	90.35	-2,470.3	888.2	330.0	229.2	100.89	3.271	
8,900.0	6,183.0	8,841.3	6,183.0	56.4	53.8	90.35	-2,570.3	887.8	330.0	225.5	104.55	3.157	
9,000.0	6,183.0	8,941.3	6,183.0	58.1	55.5	90.35	-2,670.3	887.4	330.0	221.8	108.23	3.050	
9,100.0	6,183.0	9,041.3	6,183.0	59.9	57.3	90.35	-2,770.3	887.1	330.1	218.1	111.92	2.949	
9,200.0	6,183.0	9,141.3	6,183.0	61.6	59.1	90.35	-2,870.3	886.7	330.1	214.4	115.61	2.855	
9,300.0	6,183.0	9,241.3	6,183.0	63.4	60.9	90.35	-2,970.3	886.3	330.1	210.7	119.32	2.766	
9,400.0	6,183.0	9,341.3	6,183.0	65.1	62.7	90.35	-3,070.3	886.0	330.1	207.0	123.04	2.683	
9,500.0	6,183.0	9,441.3	6,183.0	66.9	64.6	90.35	-3,170.3	885.6	330.1	203.3	126.76	2.604	
9,600.0	6,183.0	9,541.3	6,183.0	68.7	66.4	90.35	-3,270.3	885.2	330.1	199.6	130.49	2.529	
9,700.0	6,183.0	9,641.3	6,183.0	70.5	68.2	90.35	-3,370.3	884.9	330.1	195.8	134.23	2.459	
9,800.0	6,183.0	9,741.3	6,183.0	72.3	70.1	90.35	-3,470.3	884.5	330.1	192.1	137.97	2.392	
9,900.0	6,183.0	9,841.3	6,183.0	74.1	71.9	90.35	-3,570.3	884.2	330.1	188.3	141.72	2.329	
10,000.0	6,183.0	9,941.3	6,183.0	75.9	73.7	90.35	-3,670.3	883.8	330.1	184.6	145.47	2.269	
10,100.0	6,183.0	10,041.3	6,183.0	77.7	75.6	90.35	-3,770.3	883.4	330.1	180.8	149.23	2.212	
10,200.0	6,183.0	10,141.3	6,183.0	79.5	77.4	90.35	-3,870.3	883.1	330.1	177.1	152.99	2.157	

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

Company:	Synergy Resources	**Local Co-ordinate Reference:**	Well Conrad 44-1GHZ
Project:	SEC.1-T6N-R59W	**TVD Reference:**	WELL @ 4924.5ft (RKB - 13.5')
Reference Site:	Brian Conrad 1-C Pad Sec.1-T6N-R59W	**MD Reference:**	WELL @ 4924.5ft (RKB - 13.5')
Site Error:	0.0ft	**North Reference:**	True
Reference Well:	Conrad 44-1GHZ	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0ft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	Landmark
Reference Design:	Plan #2 (4-22-15)	**Offset TVD Reference:**	Offset Datum

Offset Design Brian Conrad 1-C Pad Sec.1-T6N-R59W - Conrad T-1GHZ - Wellbore #1 - Plan #2 (4-22-15)

Offset Site Error: 0.0 ft

Survey Program: 0-MWD

Offset Well Error: 0.0 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
10,300.0	6,183.0	10,241.3	6,183.0	81.3	79.3	90.35	-3,970.3	882.7	330.1	173.3	156.75	2.106	
10,400.0	6,183.0	10,341.3	6,183.0	83.1	81.1	90.35	-4,070.3	882.3	330.1	169.5	160.52	2.056	
10,500.0	6,183.0	10,441.3	6,183.0	85.0	83.0	90.35	-4,170.3	882.0	330.1	165.8	164.29	2.009	
10,600.0	6,183.0	10,541.3	6,183.0	86.8	84.9	90.35	-4,270.3	881.6	330.1	162.0	168.07	1.964	
10,700.0	6,183.0	10,641.3	6,183.0	88.6	86.7	90.35	-4,370.3	881.2	330.1	158.2	171.85	1.921	
10,700.1	6,183.0	10,641.4	6,183.0	88.6	86.7	90.35	-4,370.4	881.2	330.1	158.2	171.85	1.921	
10,704.4	6,183.0	10,645.1	6,183.0	88.7	86.8	90.35	-4,374.0	881.2	330.1	158.1	172.00	1.919	SF

Company:	Synergy Resources	**Local Co-ordinate Reference:**	Well Conrad 44-1GHZ
Project:	SEC.1-T6N-R59W	**TVD Reference:**	WELL @ 4924.5ft (RKB - 13.5')
Reference Site:	Brian Conrad 1-C Pad Sec.1-T6N-R59W	**MD Reference:**	WELL @ 4924.5ft (RKB - 13.5')
Site Error:	0.0ft	**North Reference:**	True
Reference Well:	Conrad 44-1GHZ	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0ft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	Landmark
Reference Design:	Plan #2 (4-22-15)	**Offset TVD Reference:**	Offset Datum

Offset Design Brian Conrad 1-C Pad Sec.1-T6N-R59W - Conrad Y-1GHZ - Wellbore #1 - Plan #2 (4-22-15)

Offset Site Error: 0.0 ft

Survey Program: 0-MWD

Offset Well Error: 0.0 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
0.0	0.0	2.0	2.0	0.0	0.0	1.20	39.7	0.8	39.7	39.7	0.00	N/A	
100.0	100.0	102.0	102.0	0.1	0.1	1.20	39.7	0.8	39.7	39.5	0.23	173.250	
200.0	200.0	202.0	202.0	0.3	0.3	1.20	39.7	0.8	39.7	39.0	0.68	58.515	
300.0	300.0	302.0	302.0	0.6	0.6	1.20	39.7	0.8	39.7	38.6	1.13	35.202	
366.0	366.0	368.0	368.0	0.7	0.7	1.20	39.7	0.8	39.7	38.3	1.42	27.874	CC
400.0	400.0	402.0	402.0	0.8	0.8	1.20	39.7	0.8	39.7	38.1	1.58	25.177	
500.0	500.0	501.8	501.8	1.0	1.0	3.11	39.9	2.2	40.0	38.0	2.02	19.833	ES
600.0	600.0	601.4	601.3	1.2	1.2	8.52	40.6	6.1	41.0	38.6	2.45	16.726	
700.0	700.0	700.8	700.5	1.5	1.4	16.74	41.6	12.5	43.5	40.6	2.90	15.007	
800.0	800.0	800.0	799.3	1.7	1.7	26.50	43.1	21.5	48.2	44.9	3.36	14.361	
900.0	900.0	898.4	896.9	1.9	2.0	-40.70	45.0	32.9	54.9	51.1	3.83	14.348	
1,000.0	999.9	996.7	994.3	2.1	2.3	-33.73	47.2	46.7	62.5	58.2	4.28	14.589	
1,100.0	1,099.7	1,094.8	1,090.9	2.3	2.6	-28.20	49.9	63.0	70.7	65.9	4.75	14.884	
1,200.0	1,199.3	1,192.6	1,186.9	2.6	3.0	-23.72	52.9	81.7	79.2	74.0	5.22	15.183	
1,300.0	1,298.6	1,290.1	1,282.1	2.8	3.4	-20.04	56.4	102.7	88.0	82.3	5.69	15.463	
1,400.0	1,397.5	1,387.4	1,376.5	3.1	3.8	-16.93	60.2	126.1	96.9	90.8	6.17	15.713	
1,500.0	1,496.1	1,484.5	1,470.0	3.4	4.3	-14.27	64.4	151.7	106.0	99.3	6.65	15.930	
1,600.0	1,594.2	1,583.0	1,564.3	3.8	4.9	-11.98	69.0	179.7	114.7	107.5	7.14	16.049	
1,700.0	1,691.7	1,682.7	1,659.8	4.1	5.4	-10.19	73.7	208.2	121.1	113.5	7.65	15.837	
1,800.0	1,788.7	1,782.6	1,755.4	4.6	6.0	-8.77	78.3	236.7	125.2	117.1	8.17	15.338	
1,900.0	1,885.5	1,882.5	1,851.0	5.0	6.6	-7.47	83.0	265.3	128.9	120.2	8.70	14.808	
2,000.0	1,982.3	1,982.4	1,946.6	5.5	7.2	-6.24	87.7	293.8	132.6	123.3	9.24	14.346	
2,100.0	2,079.1	2,082.3	2,042.2	6.0	7.8	-5.09	92.4	322.4	136.3	126.5	9.78	13.939	
2,200.0	2,175.9	2,182.1	2,137.8	6.5	8.4	-3.99	97.0	350.9	140.1	129.8	10.32	13.577	
2,300.0	2,272.8	2,282.0	2,233.4	7.0	9.0	-2.95	101.7	379.5	144.0	133.1	10.86	13.254	
2,400.0	2,369.6	2,381.9	2,329.0	7.5	9.6	-1.97	106.4	408.0	147.8	136.4	11.41	12.963	
2,500.0	2,466.4	2,481.8	2,424.7	8.0	10.2	-1.04	111.0	436.5	151.8	139.8	11.95	12.698	
2,600.0	2,563.2	2,581.7	2,520.3	8.5	10.8	-0.15	115.7	465.1	155.8	143.3	12.50	12.457	
2,700.0	2,660.0	2,681.6	2,615.9	9.0	11.4	0.69	120.4	493.6	159.8	146.7	13.06	12.235	
2,800.0	2,756.9	2,781.5	2,711.5	9.5	12.0	1.49	125.1	522.2	163.8	150.2	13.62	12.030	
2,900.0	2,853.7	2,881.4	2,807.1	10.1	12.6	2.25	129.7	550.7	167.9	153.7	14.18	11.839	
3,000.0	2,950.5	2,981.3	2,902.7	10.6	13.2	2.97	134.4	579.3	172.0	157.2	14.75	11.662	
3,100.0	3,047.3	3,081.2	2,998.3	11.1	13.8	3.66	139.1	607.8	176.1	160.8	15.32	11.496	
3,200.0	3,144.1	3,181.1	3,093.9	11.6	14.4	4.32	143.8	636.3	180.3	164.4	15.90	11.340	
3,300.0	3,241.0	3,281.0	3,189.6	12.1	15.1	4.95	148.4	664.9	184.4	168.0	16.48	11.193	
3,400.0	3,337.8	3,380.9	3,285.2	12.7	15.7	5.55	153.1	693.4	188.6	171.6	17.06	11.054	
3,500.0	3,434.6	3,480.8	3,380.8	13.2	16.3	6.13	157.8	722.0	192.8	175.2	17.65	10.923	
3,600.0	3,531.4	3,580.6	3,476.4	13.7	16.9	6.68	162.4	750.5	197.1	178.8	18.25	10.799	
3,700.0	3,628.2	3,680.5	3,572.0	14.3	17.5	7.21	167.1	779.1	201.3	182.5	18.85	10.681	
3,800.0	3,725.1	3,780.4	3,667.6	14.8	18.1	7.71	171.8	807.6	205.6	186.1	19.45	10.568	
3,900.0	3,821.9	3,880.3	3,763.2	15.3	18.7	8.20	176.5	836.1	209.9	189.8	20.06	10.461	
4,000.0	3,918.7	3,980.2	3,858.9	15.8	19.3	8.66	181.1	864.7	214.2	193.5	20.67	10.359	
4,100.0	4,015.5	4,080.1	3,954.5	16.4	20.0	9.11	185.8	893.2	218.5	197.2	21.29	10.261	
4,200.0	4,112.3	4,180.0	4,050.1	16.9	20.6	9.54	190.5	921.8	222.8	200.9	21.91	10.168	
4,300.0	4,209.2	4,279.9	4,145.7	17.4	21.2	9.95	195.2	950.3	227.1	204.6	22.54	10.078	
4,400.0	4,306.0	4,379.8	4,241.3	18.0	21.8	10.35	199.8	978.8	231.5	208.3	23.17	9.992	
4,500.0	4,402.8	4,479.7	4,336.9	18.5	22.4	10.73	204.5	1,007.4	235.8	212.0	23.80	9.910	
4,600.0	4,499.6	4,579.6	4,432.5	19.0	23.0	11.10	209.2	1,035.9	240.2	215.8	24.43	9.831	
4,700.0	4,596.4	4,679.5	4,528.2	19.6	23.6	11.46	213.9	1,064.5	244.6	219.5	25.07	9.755	
4,800.0	4,693.3	4,779.4	4,623.8	20.1	24.3	11.80	218.5	1,093.0	249.0	223.3	25.71	9.682	
4,900.0	4,790.1	4,879.3	4,719.4	20.6	24.9	12.13	223.2	1,121.6	253.4	227.0	26.36	9.612	
5,000.0	4,886.9	4,979.1	4,815.0	21.2	25.5	12.46	227.9	1,150.1	257.8	230.8	27.01	9.544	

Company:	Synergy Resources	**Local Co-ordinate Reference:**	Well Conrad 44-1GHZ
Project:	SEC.1-T6N-R59W	**TVD Reference:**	WELL @ 4924.5ft (RKB - 13.5')
Reference Site:	Brian Conrad 1-C Pad Sec.1-T6N-R59W	**MD Reference:**	WELL @ 4924.5ft (RKB - 13.5')
Site Error:	0.0ft	**North Reference:**	True
Reference Well:	Conrad 44-1GHZ	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0ft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	Landmark
Reference Design:	Plan #2 (4-22-15)	**Offset TVD Reference:**	Offset Datum

Offset Design Brian Conrad 1-C Pad Sec.1-T6N-R59W - Conrad Y-1GHZ - Wellbore #1 - Plan #2 (4-22-15)

Offset Site Error: 0.0 ft

Survey Program: 0-MWD

Offset Well Error: 0.0 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
5,100.0	4,983.7	5,079.0	4,910.6	21.7	26.1	12.77	232.5	1,178.6	262.2	234.5	27.66	9.479	
5,200.0	5,080.5	5,178.9	5,006.2	22.2	26.7	13.06	237.2	1,207.2	266.6	238.3	28.31	9.416	
5,300.0	5,177.4	5,278.8	5,101.8	22.8	27.3	13.35	241.9	1,235.7	271.0	242.1	28.97	9.355	
5,400.0	5,274.2	5,378.7	5,197.5	23.3	27.9	13.63	246.6	1,264.3	275.5	245.8	29.63	9.297	
5,500.0	5,371.0	5,478.6	5,293.1	23.8	28.6	13.91	251.2	1,292.8	279.9	249.6	30.29	9.240	
5,600.0	5,467.8	5,578.5	5,388.7	24.4	29.2	14.17	255.9	1,321.4	284.3	253.4	30.95	9.186	
5,700.0	5,564.7	5,678.4	5,484.3	24.9	29.8	0.94	260.6	1,349.9	288.8	257.2	31.59	9.141	
5,800.0	5,661.3	5,777.9	5,579.6	25.3	30.4	-32.94	264.1	1,378.3	293.3	261.5	31.75	9.236	
5,900.0	5,755.6	5,879.2	5,676.2	25.7	30.9	-54.35	254.9	1,407.1	298.3	266.5	31.83	9.374	
6,000.0	5,845.1	5,982.9	5,772.3	26.0	31.4	-66.73	229.0	1,435.7	303.8	271.8	32.01	9.491	
6,100.0	5,927.8	6,089.2	5,865.3	26.2	31.8	-74.57	186.0	1,463.3	309.4	277.1	32.33	9.569	
6,200.0	6,001.6	6,198.0	5,952.1	26.5	32.2	-79.93	125.9	1,489.0	314.9	282.1	32.80	9.601	
6,300.0	6,064.6	6,309.1	6,029.4	26.7	32.6	-83.74	49.5	1,511.8	319.9	286.5	33.40	9.578	
6,400.0	6,115.3	6,422.4	6,093.8	27.0	32.9	-86.44	-41.5	1,530.6	324.2	290.1	34.10	9.507	
6,500.0	6,152.5	6,537.4	6,142.4	27.2	33.3	-88.26	-144.6	1,544.8	327.5	292.6	34.94	9.373	
6,600.0	6,175.3	6,653.6	6,172.7	27.6	33.7	-89.31	-256.4	1,553.4	329.6	293.7	35.93	9.174	
6,700.0	6,183.0	6,770.5	6,183.0	28.0	34.1	-89.65	-372.6	1,556.1	330.3	293.2	37.08	8.908	
6,731.6	6,183.0	6,802.2	6,183.0	28.1	34.2	-89.65	-404.3	1,556.0	330.3	292.6	37.66	8.769	
6,800.0	6,183.0	6,870.6	6,183.0	28.4	34.5	-89.65	-472.7	1,555.7	330.3	291.3	38.97	8.475	
6,900.0	6,183.0	6,970.6	6,183.0	29.1	35.1	-89.65	-572.7	1,555.3	330.3	289.2	41.12	8.033	
7,000.0	6,183.0	7,070.6	6,183.0	29.8	35.7	-89.65	-672.7	1,555.0	330.3	286.8	43.49	7.594	
7,100.0	6,183.0	7,170.6	6,183.0	30.6	36.4	-89.65	-772.7	1,554.6	330.3	284.2	46.07	7.169	
7,200.0	6,183.0	7,270.6	6,183.0	31.6	37.2	-89.65	-872.7	1,554.3	330.3	281.5	48.81	6.767	
7,300.0	6,183.0	7,370.6	6,183.0	32.6	38.1	-89.65	-972.7	1,553.9	330.3	278.6	51.70	6.389	
7,400.0	6,183.0	7,470.6	6,183.0	33.7	39.0	-89.65	-1,072.7	1,553.5	330.3	275.6	54.70	6.039	
7,500.0	6,183.0	7,570.6	6,183.0	34.9	40.1	-89.65	-1,172.7	1,553.2	330.3	272.5	57.80	5.715	
7,600.0	6,183.0	7,670.6	6,183.0	36.2	41.2	-89.65	-1,272.7	1,552.8	330.3	269.3	60.99	5.416	
7,700.0	6,183.0	7,770.6	6,183.0	37.6	42.4	-89.65	-1,372.7	1,552.5	330.3	266.1	64.24	5.141	
7,800.0	6,183.0	7,870.6	6,183.0	38.9	43.6	-89.65	-1,472.7	1,552.1	330.3	262.7	67.56	4.889	
7,900.0	6,183.0	7,970.6	6,183.0	40.4	44.9	-89.65	-1,572.7	1,551.7	330.3	259.4	70.94	4.656	
8,000.0	6,183.0	8,070.6	6,183.0	41.9	46.2	-89.65	-1,672.7	1,551.4	330.3	256.0	74.35	4.442	
8,100.0	6,183.0	8,170.6	6,183.0	43.4	47.6	-89.65	-1,772.7	1,551.0	330.3	252.5	77.81	4.245	
8,200.0	6,183.0	8,270.6	6,183.0	44.9	49.0	-89.65	-1,872.7	1,550.7	330.3	249.0	81.30	4.063	
8,300.0	6,183.0	8,370.6	6,183.0	46.5	50.5	-89.65	-1,972.7	1,550.3	330.3	245.5	84.83	3.894	
8,400.0	6,183.0	8,470.6	6,183.0	48.1	52.0	-89.65	-2,072.7	1,549.9	330.3	241.9	88.37	3.738	
8,500.0	6,183.0	8,570.6	6,183.0	49.7	53.5	-89.65	-2,172.7	1,549.6	330.3	238.4	91.95	3.592	
8,600.0	6,183.0	8,670.6	6,183.0	51.4	55.0	-89.65	-2,272.7	1,549.2	330.3	234.8	95.54	3.457	
8,700.0	6,183.0	8,770.6	6,183.0	53.0	56.6	-89.65	-2,372.7	1,548.9	330.3	231.2	99.15	3.331	
8,800.0	6,183.0	8,870.6	6,183.0	54.7	58.2	-89.65	-2,472.7	1,548.5	330.3	227.5	102.78	3.214	
8,900.0	6,183.0	8,970.6	6,183.0	56.4	59.8	-89.65	-2,572.7	1,548.1	330.3	223.9	106.43	3.104	
9,000.0	6,183.0	9,070.6	6,183.0	58.1	61.5	-89.65	-2,672.7	1,547.8	330.3	220.2	110.08	3.001	
9,100.0	6,183.0	9,170.6	6,183.0	59.9	63.1	-89.65	-2,772.7	1,547.4	330.3	216.6	113.75	2.904	
9,200.0	6,183.0	9,270.6	6,183.0	61.6	64.8	-89.65	-2,872.7	1,547.1	330.3	212.9	117.43	2.813	
9,300.0	6,183.0	9,370.6	6,183.0	63.4	66.4	-89.65	-2,972.7	1,546.7	330.3	209.2	121.13	2.727	
9,400.0	6,183.0	9,470.6	6,183.0	65.1	68.1	-89.65	-3,072.7	1,546.3	330.3	205.5	124.83	2.646	
9,500.0	6,183.0	9,570.6	6,183.0	66.9	69.8	-89.65	-3,172.7	1,546.0	330.3	201.8	128.53	2.570	
9,600.0	6,183.0	9,670.6	6,183.0	68.7	71.6	-89.65	-3,272.7	1,545.6	330.3	198.1	132.25	2.498	
9,700.0	6,183.0	9,770.6	6,183.0	70.5	73.3	-89.65	-3,372.7	1,545.3	330.3	194.4	135.97	2.429	
9,800.0	6,183.0	9,870.6	6,183.0	72.3	75.0	-89.65	-3,472.7	1,544.9	330.3	190.6	139.70	2.365	
9,900.0	6,183.0	9,970.6	6,183.0	74.1	76.8	-89.65	-3,572.7	1,544.5	330.3	186.9	143.44	2.303	
10,000.0	6,183.0	10,070.6	6,183.0	75.9	78.5	-89.65	-3,672.7	1,544.2	330.3	183.2	147.18	2.244	
10,100.0	6,183.0	10,170.6	6,183.0	77.7	80.3	-89.65	-3,772.7	1,543.8	330.3	179.4	150.93	2.189	

Company:	Synergy Resources	**Local Co-ordinate Reference:**	Well Conrad 44-1GHZ
Project:	SEC.1-T6N-R59W	**TVD Reference:**	WELL @ 4924.5ft (RKB - 13.5')
Reference Site:	Brian Conrad 1-C Pad Sec.1-T6N-R59W	**MD Reference:**	WELL @ 4924.5ft (RKB - 13.5')
Site Error:	0.0ft	**North Reference:**	True
Reference Well:	Conrad 44-1GHZ	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0ft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	Landmark
Reference Design:	Plan #2 (4-22-15)	**Offset TVD Reference:**	Offset Datum

Offset Design Brian Conrad 1-C Pad Sec.1-T6N-R59W - Conrad Y-1GHZ - Wellbore #1 - Plan #2 (4-22-15)

Offset Site Error: 0.0 ft

Survey Program: 0-MWD

Offset Well Error: 0.0 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
10,200.0	6,183.0	10,270.6	6,183.0	79.5	82.1	-89.65	-3,872.7	1,543.5	330.3	175.7	154.68	2.136	
10,300.0	6,183.0	10,370.6	6,183.0	81.3	83.8	-89.65	-3,972.7	1,543.1	330.3	171.9	158.43	2.085	
10,400.0	6,183.0	10,470.6	6,183.0	83.1	85.6	-89.65	-4,072.7	1,542.7	330.3	168.1	162.19	2.037	
10,500.0	6,183.0	10,570.6	6,183.0	85.0	87.4	-89.65	-4,172.7	1,542.4	330.3	164.4	165.96	1.991	
10,600.0	6,183.0	10,670.6	6,183.0	86.8	89.2	-89.65	-4,272.7	1,542.0	330.3	160.6	169.72	1.946	
10,700.0	6,183.0	10,770.6	6,183.0	88.6	91.0	-89.65	-4,372.7	1,541.7	330.3	156.9	173.49	1.904	
10,704.4	6,183.0	10,775.0	6,183.0	88.7	91.1	-89.65	-4,377.1	1,541.6	330.3	156.7	173.66	1.902	SF

Company:	Synergy Resources	**Local Co-ordinate Reference:**	Well Conrad 44-1GHZ
Project:	SEC.1-T6N-R59W	**TVD Reference:**	WELL @ 4924.5ft (RKB - 13.5')
Reference Site:	Brian Conrad 1-C Pad Sec.1-T6N-R59W	**MD Reference:**	WELL @ 4924.5ft (RKB - 13.5')
Site Error:	0.0ft	**North Reference:**	True
Reference Well:	Conrad 44-1GHZ	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0ft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	Landmark
Reference Design:	Plan #2 (4-22-15)	**Offset TVD Reference:**	Offset Datum

Offset Design Existing Wells Sec.1-T6N-R59W - Wirth 3 (D&A) - Wellbore #1 - Wellbore #1

Offset Site Error: 0.0 ft

Survey Program: 6630-UNKNOWN

Offset Well Error: 0.0 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
6,700.0	6,183.0	6,159.5	6,159.5	28.0	123.2	89.07	-1,355.3	1,148.8	986.8	845.8	140.91	7.003	
6,800.0	6,183.0	6,159.5	6,159.5	28.4	123.2	90.00	-1,355.3	1,148.8	887.1	745.1	141.94	6.250	
6,900.0	6,183.0	6,159.5	6,159.5	29.1	123.2	90.00	-1,355.3	1,148.8	787.5	644.4	143.02	5.506	
7,000.0	6,183.0	6,159.5	6,159.5	29.8	123.2	90.00	-1,355.3	1,148.8	688.0	543.7	144.22	4.770	
7,100.0	6,183.0	6,159.5	6,159.5	30.6	123.2	90.00	-1,355.3	1,148.8	588.6	443.1	145.52	4.045	
7,200.0	6,183.0	6,159.5	6,159.5	31.6	123.2	90.00	-1,355.3	1,148.8	489.6	342.7	146.90	3.333	
7,300.0	6,183.0	6,159.5	6,159.5	32.6	123.2	90.00	-1,355.3	1,148.8	391.0	242.6	148.36	2.635	
7,400.0	6,183.0	6,159.5	6,159.5	33.7	123.2	90.00	-1,355.3	1,148.8	293.4	143.5	149.87	1.957	
7,500.0	6,183.0	6,159.5	6,159.5	34.9	123.2	90.00	-1,355.3	1,148.8	198.1	46.7	151.44	1.308	Level 3
7,600.0	6,183.0	6,159.5	6,159.5	36.2	123.2	90.00	-1,355.3	1,148.8	111.6	-41.5	153.04	0.729	Level 1
7,684.0	6,183.0	6,159.5	6,159.5	37.3	123.2	90.00	-1,355.3	1,148.8	73.4	-81.0	154.42	0.475	Level 1, CC, ES, SF
7,700.0	6,183.0	6,159.5	6,159.5	37.6	123.2	90.00	-1,355.3	1,148.8	75.1	-79.6	154.69	0.486	Level 1
7,800.0	6,183.0	6,159.5	6,159.5	38.9	123.2	90.00	-1,355.3	1,148.8	137.3	-19.1	156.36	0.878	Level 1
7,900.0	6,183.0	6,159.5	6,159.5	40.4	123.2	90.00	-1,355.3	1,148.8	228.1	70.1	158.05	1.443	Level 3
8,000.0	6,183.0	6,159.5	6,159.5	41.9	123.2	90.00	-1,355.3	1,148.8	324.4	164.6	159.77	2.030	
8,100.0	6,183.0	6,159.5	6,159.5	43.4	123.2	90.00	-1,355.3	1,148.8	422.4	260.9	161.51	2.615	
8,200.0	6,183.0	6,159.5	6,159.5	44.9	123.2	90.00	-1,355.3	1,148.8	521.2	357.9	163.27	3.192	
8,300.0	6,183.0	6,159.5	6,159.5	46.5	123.2	90.00	-1,355.3	1,148.8	620.3	455.3	165.04	3.759	
8,400.0	6,183.0	6,159.5	6,159.5	48.1	123.2	90.00	-1,355.3	1,148.8	719.7	552.9	166.82	4.314	
8,500.0	6,183.0	6,159.5	6,159.5	49.7	123.2	90.00	-1,355.3	1,148.8	819.3	650.7	168.61	4.859	
8,600.0	6,183.0	6,159.5	6,159.5	51.4	123.2	90.00	-1,355.3	1,148.8	918.9	748.5	170.42	5.392	

Company:	Synergy Resources	**Local Co-ordinate Reference:**	Well Conrad 44-1GHZ
Project:	SEC.1-T6N-R59W	**TVD Reference:**	WELL @ 4924.5ft (RKB - 13.5')
Reference Site:	Brian Conrad 1-C Pad Sec.1-T6N-R59W	**MD Reference:**	WELL @ 4924.5ft (RKB - 13.5')
Site Error:	0.0ft	**North Reference:**	True
Reference Well:	Conrad 44-1GHZ	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0ft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	Landmark
Reference Design:	Plan #2 (4-22-15)	**Offset TVD Reference:**	Offset Datum

Offset Design Existing Wells Sec.1-T6N-R59W - Wirth 5 (P&A) - Wellbore #1 - Wellbore #1

Offset Site Error: 0.0 ft

Survey Program: 6661-UNKNOWN

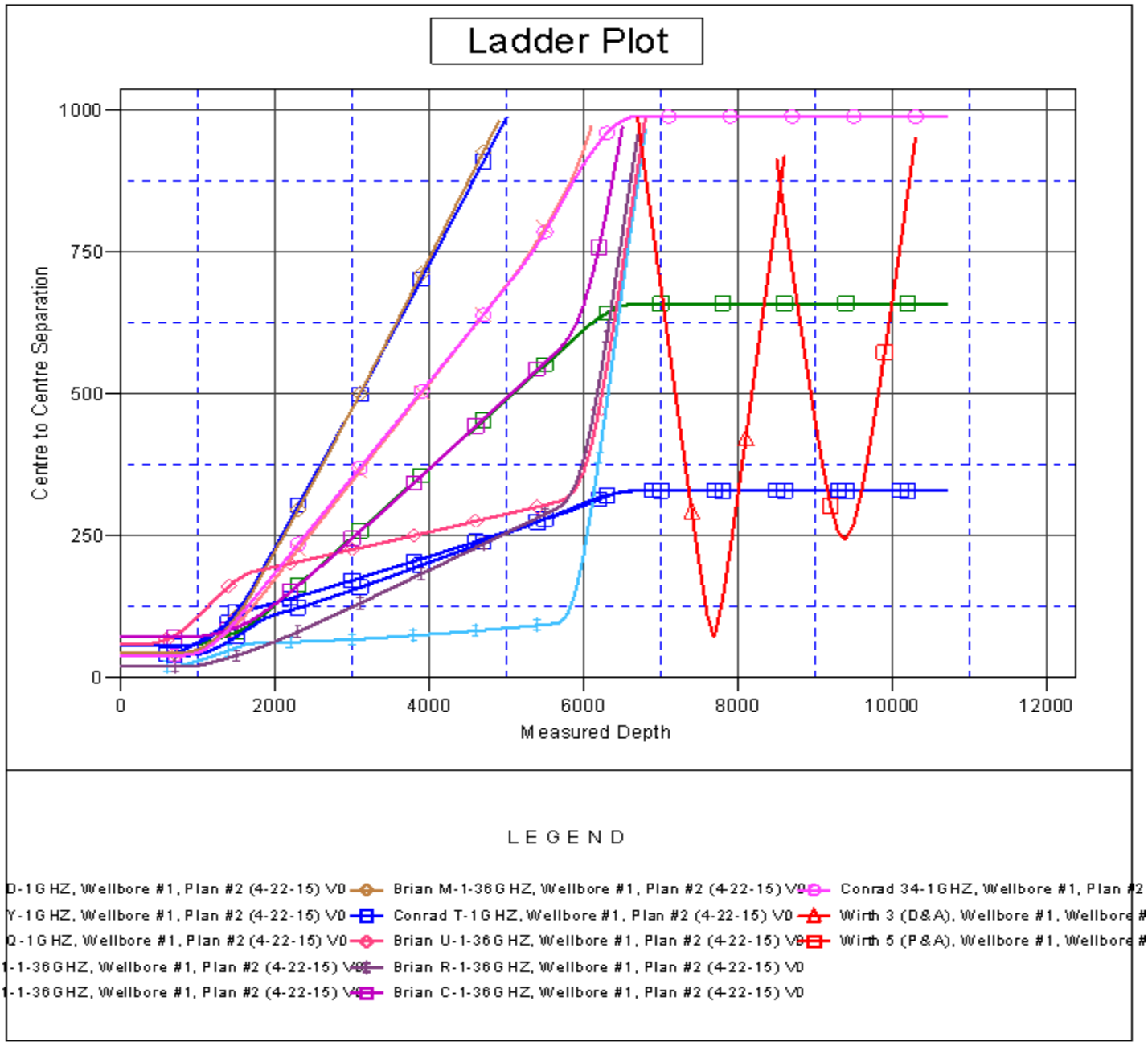
Offset Well Error: 0.0 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
8,500.0	6,183.0	6,146.5	6,146.5	49.7	122.9	-90.00	-3,053.0	1,460.3	913.8	745.5	168.35	5.428	
8,600.0	6,183.0	6,146.5	6,146.5	51.4	122.9	-90.00	-3,053.0	1,460.3	817.9	647.8	170.16	4.807	
8,700.0	6,183.0	6,146.5	6,146.5	53.0	122.9	-90.00	-3,053.0	1,460.3	723.1	551.1	171.97	4.205	
8,800.0	6,183.0	6,146.5	6,146.5	54.7	122.9	-90.00	-3,053.0	1,460.3	629.9	456.1	173.79	3.624	
8,900.0	6,183.0	6,146.5	6,146.5	56.4	122.9	-90.00	-3,053.0	1,460.3	539.1	363.5	175.62	3.070	
9,000.0	6,183.0	6,146.5	6,146.5	58.1	122.9	-90.00	-3,053.0	1,460.3	452.2	274.8	177.45	2.548	
9,100.0	6,183.0	6,146.5	6,146.5	59.9	122.9	-90.00	-3,053.0	1,460.3	372.0	192.7	179.29	2.075	
9,200.0	6,183.0	6,146.5	6,146.5	61.6	122.9	-90.00	-3,053.0	1,460.3	303.7	122.6	181.14	1.677	
9,300.0	6,183.0	6,146.5	6,146.5	63.4	122.9	-90.00	-3,053.0	1,460.3	257.2	74.2	182.99	1.405	Level 3
9,380.6	6,183.0	6,146.5	6,146.5	64.8	122.9	-90.00	-3,053.0	1,460.3	244.2	59.7	184.48	1.324	Level 3, CC, ES, SF
9,400.0	6,183.0	6,146.5	6,146.5	65.1	122.9	-90.00	-3,053.0	1,460.3	245.0	60.2	184.84	1.325	Level 3
9,500.0	6,183.0	6,146.5	6,146.5	66.9	122.9	-90.00	-3,053.0	1,460.3	271.9	85.2	186.70	1.456	Level 3
9,600.0	6,183.0	6,146.5	6,146.5	68.7	122.9	-90.00	-3,053.0	1,460.3	328.3	139.7	188.56	1.741	
9,700.0	6,183.0	6,146.5	6,146.5	70.5	122.9	-90.00	-3,053.0	1,460.3	402.1	211.6	190.43	2.111	
9,800.0	6,183.0	6,146.5	6,146.5	72.3	122.9	-90.00	-3,053.0	1,460.3	485.3	293.0	192.30	2.524	
9,900.0	6,183.0	6,146.5	6,146.5	74.1	122.9	-90.00	-3,053.0	1,460.3	574.0	379.8	194.17	2.956	
10,000.0	6,183.0	6,146.5	6,146.5	75.9	122.9	-90.00	-3,053.0	1,460.3	665.8	469.8	196.04	3.396	
10,100.0	6,183.0	6,146.5	6,146.5	77.7	122.9	-90.00	-3,053.0	1,460.3	759.7	561.8	197.92	3.839	
10,200.0	6,183.0	6,146.5	6,146.5	79.5	122.9	-90.00	-3,053.0	1,460.3	855.0	655.2	199.80	4.279	
10,300.0	6,183.0	6,146.5	6,146.5	81.3	122.9	-90.00	-3,053.0	1,460.3	951.3	749.6	201.68	4.717	

Company:	Synergy Resources	**Local Co-ordinate Reference:**	Well Conrad 44-1GHZ
Project:	SEC.1-T6N-R59W	**TVD Reference:**	WELL @ 4924.5ft (RKB - 13.5')
Reference Site:	Brian Conrad 1-C Pad Sec.1-T6N-R59W	**MD Reference:**	WELL @ 4924.5ft (RKB - 13.5')
Site Error:	0.0ft	**North Reference:**	True
Reference Well:	Conrad 44-1GHZ	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0ft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	Landmark
Reference Design:	Plan #2 (4-22-15)	**Offset TVD Reference:**	Offset Datum

Reference Depths are relative to WELL @ 4924.5ft (RKB - 13.5')
Offset Depths are relative to Offset Datum
Central Meridian is -105.500000 °

Coordinates are relative to: Conrad 44-1GHZ
Coordinate System is US State Plane 1983, Colorado Northern Zone
Grid Convergence at Surface is: 1.02°



Company:	Synergy Resources	**Local Co-ordinate Reference:**	Well Conrad 44-1GHZ
Project:	SEC.1-T6N-R59W	**TVD Reference:**	WELL @ 4924.5ft (RKB - 13.5')
Reference Site:	Brian Conrad 1-C Pad Sec.1-T6N-R59W	**MD Reference:**	WELL @ 4924.5ft (RKB - 13.5')
Site Error:	0.0ft	**North Reference:**	True
Reference Well:	Conrad 44-1GHZ	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0ft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	Landmark
Reference Design:	Plan #2 (4-22-15)	**Offset TVD Reference:**	Offset Datum

Reference Depths are relative to WELL @ 4924.5ft (RKB - 13.5')	Coordinates are relative to: Conrad 44-1GHZ
Offset Depths are relative to Offset Datum	Coordinate System is US State Plane 1983, Colorado Northern Zone
Central Meridian is -105.500000 °	Grid Convergence at Surface is: 1.02°