

Synergy Resources

Well Name: **SRC Eberle 14-32-31NHZM**

Surface Location: SRC Eberle 14-32-31CHZM Pad Sec.32-T1N-R66W
North American Datum 1983 , US State Plane 1983 , Colorado Northern Zone

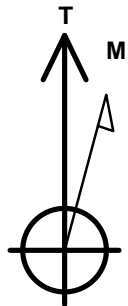
Ground Elevation: 5033.0

+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
0.0	0.0	1245146.45	3197623.03	40.004155	-104.794540	

Ensign Rig #134 - RKB - 13' WELL @ 5046.0ft (Ensign Rig #134 - RKB - 13')

WELLBORE TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Shape Point
SHL 1355'FSL & 848'FEL, Sec.32	1.0	0.0	0.0	Point
BHL 695'FSL & 2193'FEL, Sec.31	7482.0	-665.3	-6633.2	Point



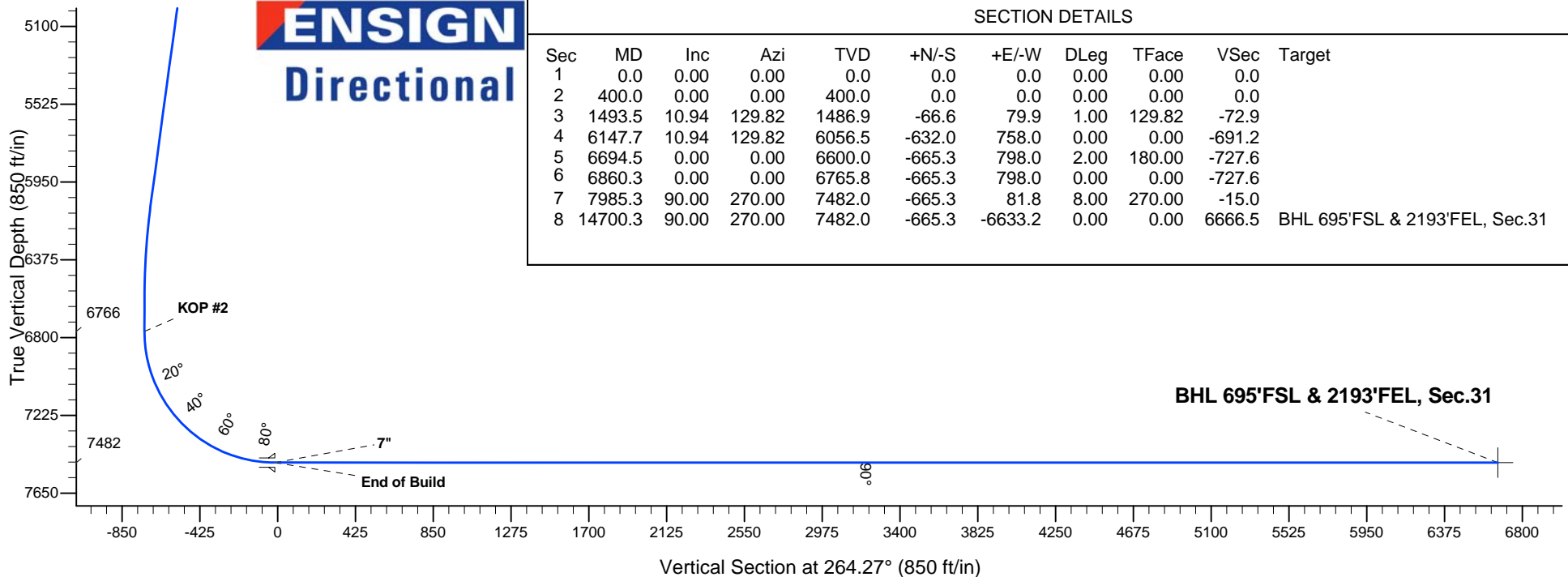
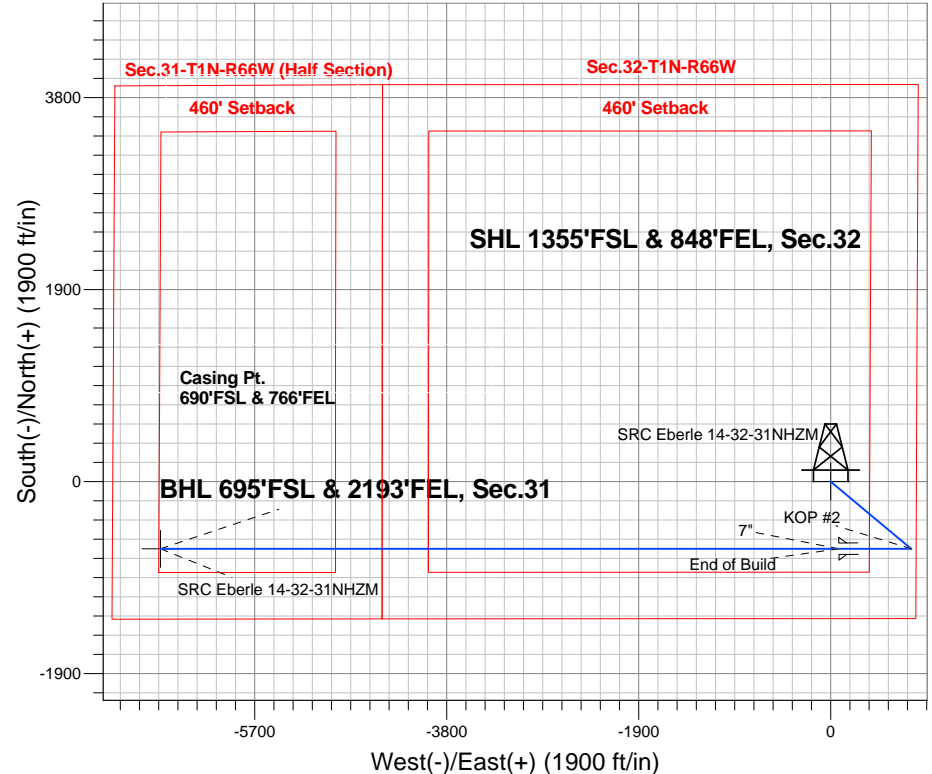
Azimuths to True North
Magnetic North: 8.48°

Magnetic Field
Strength: 52629.1snT
Dip Angle: 66.63°
Date: 3/14/2014
Model: IGRF2010

SRC Eberle 14-32-31CHZM Pad Sec.32-T1N-R66W
SRC Eberle 14-32-31NHZM
Plan #3 (3-14-14)
13:48, March 17 2014

ANNOTATIONS

TVD	MD	Annotation
400.0	400.0	KOP #1
6765.8	6860.3	KOP #2
7482.0	7985.3	End of Build





Synergy Resources

SEC.32-T1N-R66W

SRC Eberle 14-32-31CHZM Pad Sec.32-T1N-R66W

SRC Eberle 14-32-31NHZM

Wellbore #1

Plan: Plan #3 (3-14-14)

Standard Planning Report

17 March, 2014

Database:	landmark	Local Co-ordinate Reference:	Well SRC Eberle 14-32-31NHZM
Company:	Synergy Resources	TVD Reference:	WELL @ 5046.0ft (Ensign Rig #134 - RKB - 13')
Project:	SEC.32-T1N-R66W	MD Reference:	WELL @ 5046.0ft (Ensign Rig #134 - RKB - 13')
Site:	SRC Eberle 14-32-31CHZM Pad Sec.32-T1N-R66W	North Reference:	True
Well:	SRC Eberle 14-32-31NHZM	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan #3 (3-14-14)		

Project	SEC.32-T1N-R66W, Weld County, Colorado		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		Using Well Reference Point
Map Zone:	Colorado Northern Zone		Using geodetic scale factor

Site						SRC Eberle 14-32-31CHZM Pad Sec.32-T1N-R66W											
Site Position:						Northing:			1,245,145.79ft			Latitude:			40.004155		
From:			Lat/Long			Easting:			3,197,534.23ft			Longitude:			-104.794857		
Position Uncertainty:			0.0 ft			Slot Radius:			"			Grid Convergence:			0.46 °		

Well	SRC Eberle 14-32-31NHZM					
Well Position	+N-S	0.0 ft	Northing:	1,245,146.45 ft	Latitude:	40.004155
	+E-W	88.8 ft	Easting:	3,197,623.03 ft	Longitude:	-104.794540
Position Uncertainty		0.0 ft	Wellhead Elevation:	ft	Ground Level:	5,033.0 ft

Wellbore	Wellbore #1
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Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	3/14/2014	8.48	66.63	52,629

Design	Plan #3 (3-14-14)
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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	264.27

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	
400.0	0.00	0.00	400.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,493.5	10.94	129.82	1,486.9	-66.6	79.9	1.00	1.00	0.00	129.82	
6,147.7	10.94	129.82	6,056.5	-632.0	758.0	0.00	0.00	0.00	0.00	
6,694.5	0.00	0.00	6,600.0	-665.3	798.0	2.00	-2.00	0.00	180.00	
6,860.3	0.00	0.00	6,765.8	-665.3	798.0	0.00	0.00	0.00	0.00	
7,985.3	90.00	270.00	7,482.0	-665.3	81.8	8.00	8.00	0.00	270.00	
14,700.3	90.00	270.00	7,482.0	-665.3	-6,633.2	0.00	0.00	0.00	0.00	BHL 695'FSL & 219

Database:	landmark	Local Co-ordinate Reference:	Well SRC Eberle 14-32-31NHZM
Company:	Synergy Resources	TVD Reference:	WELL @ 5046.0ft (Ensign Rig #134 - RKB - 13')
Project:	SEC.32-T1N-R66W	MD Reference:	WELL @ 5046.0ft (Ensign Rig #134 - RKB - 13')
Site:	SRC Eberle 14-32-31CHZM Pad Sec.32-T1N-R66W	North Reference:	True
Well:	SRC Eberle 14-32-31NHZM	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan #3 (3-14-14)		

Planned Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
1.0	0.00	0.00	1.0	0.0	0.0	0.0	0.00	0.00	0.00
SHL 1355'FSL & 848'FEL, Sec.32									
100.0	0.00	0.00	100.0	0.0	0.0	0.0	0.00	0.00	0.00
200.0	0.00	0.00	200.0	0.0	0.0	0.0	0.00	0.00	0.00
300.0	0.00	0.00	300.0	0.0	0.0	0.0	0.00	0.00	0.00
400.0	0.00	0.00	400.0	0.0	0.0	0.0	0.00	0.00	0.00
KOP #1									
500.0	1.00	129.82	500.0	-0.6	0.7	-0.6	1.00	1.00	0.00
600.0	2.00	129.82	600.0	-2.2	2.7	-2.4	1.00	1.00	0.00
700.0	3.00	129.82	699.9	-5.0	6.0	-5.5	1.00	1.00	0.00
800.0	4.00	129.82	799.7	-8.9	10.7	-9.8	1.00	1.00	0.00
900.0	5.00	129.82	899.4	-14.0	16.7	-15.3	1.00	1.00	0.00
1,000.0	6.00	129.82	998.9	-20.1	24.1	-22.0	1.00	1.00	0.00
1,100.0	7.00	129.82	1,098.3	-27.3	32.8	-29.9	1.00	1.00	0.00
1,200.0	8.00	129.82	1,197.4	-35.7	42.8	-39.1	1.00	1.00	0.00
1,300.0	9.00	129.82	1,296.3	-45.2	54.2	-49.4	1.00	1.00	0.00
1,400.0	10.00	129.82	1,394.9	-55.7	66.9	-61.0	1.00	1.00	0.00
1,493.5	10.94	129.82	1,486.9	-66.6	79.9	-72.9	1.00	1.00	0.00
1,500.0	10.94	129.82	1,493.3	-67.4	80.9	-73.7	0.00	0.00	0.00
1,600.0	10.94	129.82	1,591.4	-79.6	95.4	-87.0	0.00	0.00	0.00
1,700.0	10.94	129.82	1,689.6	-91.7	110.0	-100.3	0.00	0.00	0.00
1,800.0	10.94	129.82	1,787.8	-103.8	124.6	-113.6	0.00	0.00	0.00
1,900.0	10.94	129.82	1,886.0	-116.0	139.1	-126.9	0.00	0.00	0.00
2,000.0	10.94	129.82	1,984.2	-128.1	153.7	-140.1	0.00	0.00	0.00
2,100.0	10.94	129.82	2,082.4	-140.3	168.3	-153.4	0.00	0.00	0.00
2,200.0	10.94	129.82	2,180.5	-152.4	182.8	-166.7	0.00	0.00	0.00
2,300.0	10.94	129.82	2,278.7	-164.6	197.4	-180.0	0.00	0.00	0.00
2,400.0	10.94	129.82	2,376.9	-176.7	212.0	-193.3	0.00	0.00	0.00
2,500.0	10.94	129.82	2,475.1	-188.9	226.6	-206.6	0.00	0.00	0.00
2,600.0	10.94	129.82	2,573.3	-201.0	241.1	-219.9	0.00	0.00	0.00
2,700.0	10.94	129.82	2,671.5	-213.2	255.7	-233.1	0.00	0.00	0.00
2,800.0	10.94	129.82	2,769.7	-225.3	270.3	-246.4	0.00	0.00	0.00
2,900.0	10.94	129.82	2,867.8	-237.5	284.8	-259.7	0.00	0.00	0.00
3,000.0	10.94	129.82	2,966.0	-249.6	299.4	-273.0	0.00	0.00	0.00
3,100.0	10.94	129.82	3,064.2	-261.8	314.0	-286.3	0.00	0.00	0.00
3,200.0	10.94	129.82	3,162.4	-273.9	328.6	-299.6	0.00	0.00	0.00
3,300.0	10.94	129.82	3,260.6	-286.1	343.1	-312.9	0.00	0.00	0.00
3,400.0	10.94	129.82	3,358.8	-298.2	357.7	-326.1	0.00	0.00	0.00
3,500.0	10.94	129.82	3,456.9	-310.4	372.3	-339.4	0.00	0.00	0.00
3,600.0	10.94	129.82	3,555.1	-322.5	386.8	-352.7	0.00	0.00	0.00
3,700.0	10.94	129.82	3,653.3	-334.7	401.4	-366.0	0.00	0.00	0.00
3,800.0	10.94	129.82	3,751.5	-346.8	416.0	-379.3	0.00	0.00	0.00
3,900.0	10.94	129.82	3,849.7	-358.9	430.5	-392.6	0.00	0.00	0.00
4,000.0	10.94	129.82	3,947.9	-371.1	445.1	-405.9	0.00	0.00	0.00
4,100.0	10.94	129.82	4,046.0	-383.2	459.7	-419.1	0.00	0.00	0.00
4,200.0	10.94	129.82	4,144.2	-395.4	474.3	-432.4	0.00	0.00	0.00
4,300.0	10.94	129.82	4,242.4	-407.5	488.8	-445.7	0.00	0.00	0.00
4,400.0	10.94	129.82	4,340.6	-419.7	503.4	-459.0	0.00	0.00	0.00
4,500.0	10.94	129.82	4,438.8	-431.8	518.0	-472.3	0.00	0.00	0.00
4,600.0	10.94	129.82	4,537.0	-444.0	532.5	-485.6	0.00	0.00	0.00

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Project:	SEC.32-T1N-R66W	MD Reference:	WELL @ 5046.0ft (Ensign Rig #134 - RKB - 13')
Site:	SRC Eberle 14-32-31CHZM Pad Sec.32-T1N-R66W	North Reference:	True
Well:	SRC Eberle 14-32-31NHZM	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan #3 (3-14-14)		

Planned Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
4,700.0	10.94	129.82	4,635.1	-456.1	547.1	-498.9	0.00	0.00	0.00
4,800.0	10.94	129.82	4,733.3	-468.3	561.7	-512.1	0.00	0.00	0.00
4,900.0	10.94	129.82	4,831.5	-480.4	576.3	-525.4	0.00	0.00	0.00
5,000.0	10.94	129.82	4,929.7	-492.6	590.8	-538.7	0.00	0.00	0.00
5,100.0	10.94	129.82	5,027.9	-504.7	605.4	-552.0	0.00	0.00	0.00
5,200.0	10.94	129.82	5,126.1	-516.9	620.0	-565.3	0.00	0.00	0.00
5,300.0	10.94	129.82	5,224.3	-529.0	634.5	-578.6	0.00	0.00	0.00
5,400.0	10.94	129.82	5,322.4	-541.2	649.1	-591.9	0.00	0.00	0.00
5,500.0	10.94	129.82	5,420.6	-553.3	663.7	-605.1	0.00	0.00	0.00
5,600.0	10.94	129.82	5,518.8	-565.5	678.2	-618.4	0.00	0.00	0.00
5,700.0	10.94	129.82	5,617.0	-577.6	692.8	-631.7	0.00	0.00	0.00
5,800.0	10.94	129.82	5,715.2	-589.8	707.4	-645.0	0.00	0.00	0.00
5,900.0	10.94	129.82	5,813.4	-601.9	722.0	-658.3	0.00	0.00	0.00
6,000.0	10.94	129.82	5,911.5	-614.0	736.5	-671.6	0.00	0.00	0.00
6,100.0	10.94	129.82	6,009.7	-626.2	751.1	-684.8	0.00	0.00	0.00
6,147.7	10.94	129.82	6,056.5	-632.0	758.0	-691.2	0.00	0.00	0.00
6,200.0	9.89	129.82	6,108.0	-638.0	765.3	-697.8	2.00	-2.00	0.00
6,300.0	7.89	129.82	6,206.8	-647.9	777.2	-708.6	2.00	-2.00	0.00
6,400.0	5.89	129.82	6,306.1	-655.6	786.4	-717.0	2.00	-2.00	0.00
6,500.0	3.89	129.82	6,405.7	-661.1	792.9	-723.0	2.00	-2.00	0.00
6,600.0	1.89	129.82	6,505.6	-664.3	796.8	-726.5	2.00	-2.00	0.00
6,694.5	0.00	0.00	6,600.0	-665.3	798.0	-727.6	2.00	-2.00	0.00
6,700.0	0.00	0.00	6,605.5	-665.3	798.0	-727.6	0.00	0.00	0.00
6,800.0	0.00	0.00	6,705.5	-665.3	798.0	-727.6	0.00	0.00	0.00
6,860.3	0.00	0.00	6,765.8	-665.3	798.0	-727.6	0.00	0.00	0.00
KOP #2									
6,900.0	3.18	270.00	6,805.5	-665.3	796.9	-726.5	8.01	8.01	0.00
7,000.0	11.18	270.00	6,904.7	-665.3	784.4	-714.1	8.00	8.00	0.00
7,100.0	19.18	270.00	7,001.1	-665.3	758.2	-688.1	8.00	8.00	0.00
7,200.0	27.18	270.00	7,092.9	-665.3	718.9	-648.9	8.00	8.00	0.00
7,300.0	35.18	270.00	7,178.4	-665.3	667.2	-597.5	8.00	8.00	0.00
7,400.0	43.18	270.00	7,255.9	-665.3	604.1	-534.6	8.00	8.00	0.00
7,500.0	51.18	270.00	7,323.8	-665.3	530.8	-461.7	8.00	8.00	0.00
7,600.0	59.18	270.00	7,380.9	-665.3	448.7	-380.1	8.00	8.00	0.00
7,700.0	67.18	270.00	7,425.9	-665.3	359.6	-291.4	8.00	8.00	0.00
7,800.0	75.18	270.00	7,458.2	-665.3	265.0	-197.3	8.00	8.00	0.00
7,900.0	83.18	270.00	7,476.9	-665.3	166.9	-99.6	8.00	8.00	0.00
7,985.3	90.00	270.00	7,482.0	-665.3	81.8	-14.9	8.00	8.00	0.00
End of Build - 7"									
8,000.0	90.00	270.00	7,482.0	-665.3	67.1	-0.3	0.00	0.00	0.00
8,100.0	90.00	270.00	7,482.0	-665.3	-32.9	99.2	0.00	0.00	0.00
8,200.0	90.00	270.00	7,482.0	-665.3	-132.9	198.7	0.00	0.00	0.00
8,300.0	90.00	270.00	7,482.0	-665.3	-232.9	298.2	0.00	0.00	0.00
8,400.0	90.00	270.00	7,482.0	-665.3	-332.9	397.7	0.00	0.00	0.00
8,500.0	90.00	270.00	7,482.0	-665.3	-432.9	497.2	0.00	0.00	0.00
8,600.0	90.00	270.00	7,482.0	-665.3	-532.9	596.7	0.00	0.00	0.00
8,700.0	90.00	270.00	7,482.0	-665.3	-632.9	696.2	0.00	0.00	0.00
8,800.0	90.00	270.00	7,482.0	-665.3	-732.9	795.7	0.00	0.00	0.00
8,900.0	90.00	270.00	7,482.0	-665.3	-832.9	895.2	0.00	0.00	0.00
9,000.0	90.00	270.00	7,482.0	-665.3	-932.9	994.7	0.00	0.00	0.00
9,100.0	90.00	270.00	7,482.0	-665.3	-1,032.9	1,094.2	0.00	0.00	0.00

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Company:	Synergy Resources	TVD Reference:	WELL @ 5046.0ft (Ensign Rig #134 - RKB - 13')
Project:	SEC.32-T1N-R66W	MD Reference:	WELL @ 5046.0ft (Ensign Rig #134 - RKB - 13')
Site:	SRC Eberle 14-32-31CHZM Pad Sec.32-T1N-R66W	North Reference:	True
Well:	SRC Eberle 14-32-31NHZM	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan #3 (3-14-14)		

Planned Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
9,200.0	90.00	270.00	7,482.0	-665.3	-1,132.9	1,193.7	0.00	0.00	0.00
9,300.0	90.00	270.00	7,482.0	-665.3	-1,232.9	1,293.2	0.00	0.00	0.00
9,400.0	90.00	270.00	7,482.0	-665.3	-1,332.9	1,392.7	0.00	0.00	0.00
9,500.0	90.00	270.00	7,482.0	-665.3	-1,432.9	1,492.2	0.00	0.00	0.00
9,600.0	90.00	270.00	7,482.0	-665.3	-1,532.9	1,591.7	0.00	0.00	0.00
9,700.0	90.00	270.00	7,482.0	-665.3	-1,632.9	1,691.2	0.00	0.00	0.00
9,800.0	90.00	270.00	7,482.0	-665.3	-1,732.9	1,790.7	0.00	0.00	0.00
9,900.0	90.00	270.00	7,482.0	-665.3	-1,832.9	1,890.2	0.00	0.00	0.00
10,000.0	90.00	270.00	7,482.0	-665.3	-1,932.9	1,989.7	0.00	0.00	0.00
10,100.0	90.00	270.00	7,482.0	-665.3	-2,032.9	2,089.2	0.00	0.00	0.00
10,200.0	90.00	270.00	7,482.0	-665.3	-2,132.9	2,188.7	0.00	0.00	0.00
10,300.0	90.00	270.00	7,482.0	-665.3	-2,232.9	2,288.2	0.00	0.00	0.00
10,400.0	90.00	270.00	7,482.0	-665.3	-2,332.9	2,387.7	0.00	0.00	0.00
10,500.0	90.00	270.00	7,482.0	-665.3	-2,432.9	2,487.2	0.00	0.00	0.00
10,600.0	90.00	270.00	7,482.0	-665.3	-2,532.9	2,586.7	0.00	0.00	0.00
10,700.0	90.00	270.00	7,482.0	-665.3	-2,632.9	2,686.2	0.00	0.00	0.00
10,800.0	90.00	270.00	7,482.0	-665.3	-2,732.9	2,785.7	0.00	0.00	0.00
10,900.0	90.00	270.00	7,482.0	-665.3	-2,832.9	2,885.2	0.00	0.00	0.00
11,000.0	90.00	270.00	7,482.0	-665.3	-2,932.9	2,984.7	0.00	0.00	0.00
11,100.0	90.00	270.00	7,482.0	-665.3	-3,032.9	3,084.2	0.00	0.00	0.00
11,200.0	90.00	270.00	7,482.0	-665.3	-3,132.9	3,183.7	0.00	0.00	0.00
11,300.0	90.00	270.00	7,482.0	-665.3	-3,232.9	3,283.2	0.00	0.00	0.00
11,400.0	90.00	270.00	7,482.0	-665.3	-3,332.9	3,382.7	0.00	0.00	0.00
11,500.0	90.00	270.00	7,482.0	-665.3	-3,432.9	3,482.2	0.00	0.00	0.00
11,600.0	90.00	270.00	7,482.0	-665.3	-3,532.9	3,581.7	0.00	0.00	0.00
11,700.0	90.00	270.00	7,482.0	-665.3	-3,632.9	3,681.2	0.00	0.00	0.00
11,800.0	90.00	270.00	7,482.0	-665.3	-3,732.9	3,780.7	0.00	0.00	0.00
11,900.0	90.00	270.00	7,482.0	-665.3	-3,832.9	3,880.2	0.00	0.00	0.00
12,000.0	90.00	270.00	7,482.0	-665.3	-3,932.9	3,979.7	0.00	0.00	0.00
12,100.0	90.00	270.00	7,482.0	-665.3	-4,032.9	4,079.2	0.00	0.00	0.00
12,200.0	90.00	270.00	7,482.0	-665.3	-4,132.9	4,178.7	0.00	0.00	0.00
12,300.0	90.00	270.00	7,482.0	-665.3	-4,232.9	4,278.2	0.00	0.00	0.00
12,400.0	90.00	270.00	7,482.0	-665.3	-4,332.9	4,377.7	0.00	0.00	0.00
12,500.0	90.00	270.00	7,482.0	-665.3	-4,432.9	4,477.2	0.00	0.00	0.00
12,600.0	90.00	270.00	7,482.0	-665.3	-4,532.9	4,576.7	0.00	0.00	0.00
12,700.0	90.00	270.00	7,482.0	-665.3	-4,632.9	4,676.2	0.00	0.00	0.00
12,800.0	90.00	270.00	7,482.0	-665.3	-4,732.9	4,775.7	0.00	0.00	0.00
12,900.0	90.00	270.00	7,482.0	-665.3	-4,832.9	4,875.2	0.00	0.00	0.00
13,000.0	90.00	270.00	7,482.0	-665.3	-4,932.9	4,974.7	0.00	0.00	0.00
13,100.0	90.00	270.00	7,482.0	-665.3	-5,032.9	5,074.2	0.00	0.00	0.00
13,200.0	90.00	270.00	7,482.0	-665.3	-5,132.9	5,173.7	0.00	0.00	0.00
13,300.0	90.00	270.00	7,482.0	-665.3	-5,232.9	5,273.2	0.00	0.00	0.00
13,400.0	90.00	270.00	7,482.0	-665.3	-5,332.9	5,372.7	0.00	0.00	0.00
13,500.0	90.00	270.00	7,482.0	-665.3	-5,432.9	5,472.2	0.00	0.00	0.00
13,600.0	90.00	270.00	7,482.0	-665.3	-5,532.9	5,571.7	0.00	0.00	0.00
13,700.0	90.00	270.00	7,482.0	-665.3	-5,632.9	5,671.2	0.00	0.00	0.00
13,800.0	90.00	270.00	7,482.0	-665.3	-5,732.9	5,770.7	0.00	0.00	0.00
13,900.0	90.00	270.00	7,482.0	-665.3	-5,832.9	5,870.2	0.00	0.00	0.00
14,000.0	90.00	270.00	7,482.0	-665.3	-5,932.9	5,969.7	0.00	0.00	0.00
14,100.0	90.00	270.00	7,482.0	-665.3	-6,032.9	6,069.2	0.00	0.00	0.00
14,200.0	90.00	270.00	7,482.0	-665.3	-6,132.9	6,168.7	0.00	0.00	0.00

Database:	landmark	Local Co-ordinate Reference:	Well SRC Eberle 14-32-31NHZM
Company:	Synergy Resources	TVD Reference:	WELL @ 5046.0ft (Ensign Rig #134 - RKB - 13')
Project:	SEC.32-T1N-R66W	MD Reference:	WELL @ 5046.0ft (Ensign Rig #134 - RKB - 13')
Site:	SRC Eberle 14-32-31CHZM Pad Sec.32-T1N-R66W	North Reference:	True
Well:	SRC Eberle 14-32-31NHZM	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan #3 (3-14-14)		

Planned Survey										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	
14,300.0	90.00	270.00	7,482.0	-665.3	-6,232.9	6,268.2	0.00	0.00	0.00	
14,400.0	90.00	270.00	7,482.0	-665.3	-6,332.9	6,367.7	0.00	0.00	0.00	
14,500.0	90.00	270.00	7,482.0	-665.3	-6,432.9	6,467.2	0.00	0.00	0.00	
14,600.0	90.00	270.00	7,482.0	-665.3	-6,532.9	6,566.7	0.00	0.00	0.00	
14,700.0	90.00	270.00	7,482.0	-665.3	-6,632.9	6,666.2	0.00	0.00	0.00	
14,700.3	90.00	270.00	7,482.0	-665.3	-6,633.2	6,666.5	0.00	0.00	0.00	
BHL 695'FSL & 2193'FEL, Sec.31										

Casing Points					
Measured Depth (ft)	Vertical Depth (ft)	Name	Casing Diameter (")	Hole Diameter (")	
7,985.3	7,482.0	7"	7	7-1/2	

Plan Annotations					
Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates			
		+N/-S (ft)	+E/-W (ft)	Comment	
400.0	400.0	0.0	0.0	KOP #1	
6,860.3	6,765.8	-665.3	798.0	KOP #2	
7,985.3	7,482.0	-665.3	81.8	End of Build	



Synergy Resources

SEC.32-T1N-R66W

SRC Eberle 14-32-31CHZM Pad Sec.32-T1N-R66W

SRC Eberle 14-32-31NHZM

Wellbore #1

Plan #3 (3-14-14)

Anticollision Report

17 March, 2014

Company:	Synergy Resources	Local Co-ordinate Reference:	Well SRC Eberle 14-32-31NHZM
Project:	SEC.32-T1N-R66W	TVD Reference:	WELL @ 5046.0ft (Ensign Rig #134 - RKB - 13')
Reference Site:	SRC Eberle 14-32-31CHZM Pad Sec.32-T1N-R66W	MD Reference:	WELL @ 5046.0ft (Ensign Rig #134 - RKB - 13')
Site Error:	0.0ft	North Reference:	True
Reference Well:	SRC Eberle 14-32-31NHZM	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 #3 (3-14-14)	Offset TVD Reference:	Offset Datum

Reference	Plan #3 (3-14-14)		
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 3/17/2014			
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description
0.0	14,700.3	Plan #3 (3-14-14) (Wellbore #1)	MWD	MWD - Standard

Summary						
Site Name	Reference Measured Depth (ft)	Offset Measured Depth (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Separation Factor	Warning
Offset Well - Wellbore - Design						
SRC Eberle 14-32-31CHZM Pad Sec.32-T1N-R66W						
SRC Eberle 14-32-31CHZM - Wellbore #1 - Plan #3 (3-1	166.3	167.3	24.7	24.1	46.945	CC
SRC Eberle 14-32-31CHZM - Wellbore #1 - Plan #3 (3-1	14,700.3	14,878.8	271.5	-57.4	0.826	Level 1, ES, SF
SRC Eberle B-32CHZ - Wellbore #1 - Plan #2 (3-14-14)	400.0	397.0	66.1	64.5	42.202	CC, ES
SRC Eberle B-32CHZ - Wellbore #1 - Plan #2 (3-14-14)	12,000.0	12,158.1	276.0	68.7	1.331	Level 3, SF
SRC Eberle B-32NHZ - Wellbore #1 - Plan #2 (3-14-14)	400.0	396.0	88.8	87.2	56.768	CC, ES
SRC Eberle B-32NHZ - Wellbore #1 - Plan #2 (3-14-14)	12,100.0	12,027.4	447.9	194.1	1.765	SF
SRC Eberle P-32CHZ - Wellbore #1 - Plan #2 (3-14-14)	400.0	398.0	43.4	41.9	27.678	CC, ES
SRC Eberle P-32CHZ - Wellbore #1 - Plan #2 (3-14-14)	12,100.0	12,162.6	685.7	438.6	2.775	SF
SRC Eberle P-32NHZ - Wellbore #1 - Plan #2 (3-14-14)	400.0	399.0	20.7	19.2	13.195	CC, ES
SRC Eberle P-32NHZ - Wellbore #1 - Plan #2 (3-14-14)	12,100.0	12,002.3	885.4	631.9	3.493	SF

Offset Design												Offset Site Error:		0.0 ft
Survey Program: 0-MWD												Offset Well Error:		0.0 ft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset	Highside Toolface	Offset Wellbore Centre		Between Centres	Between Ellipses	Minimum Separation	Separation Factor		
(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(°)	+N/-S (ft)	+E/-W (ft)	(ft)	(ft)	(ft)			
0.0	0.0	1.0	1.0	0.0	0.0	90.78	-0.3	24.7	24.7	24.7	0.00	N/A		
100.0	100.0	101.0	101.0	0.1	0.1	90.78	-0.3	24.7	24.7	24.4	0.23	108.607		
166.3	166.3	167.3	167.3	0.3	0.3	90.78	-0.3	24.7	24.7	24.1	0.53	46.945	CC	
200.0	200.0	201.0	201.0	0.3	0.3	90.78	-0.3	24.7	24.7	24.0	0.68	36.454		
300.0	300.0	300.7	300.7	0.6	0.5	92.27	-1.0	25.2	25.3	24.2	1.10	22.859		
400.0	400.0	400.3	400.3	0.8	0.7	96.29	-3.0	27.0	27.1	25.6	1.53	17.704		
500.0	500.0	500.0	499.9	1.0	1.0	-28.76	-6.2	29.8	29.7	27.8	1.95	15.243		
600.0	600.0	599.4	599.1	1.2	1.2	-24.37	-10.8	33.8	32.3	30.0	2.37	13.674		
700.0	699.9	698.8	698.2	1.4	1.5	-20.26	-16.7	38.9	35.0	32.2	2.80	12.517		
800.0	799.7	798.2	797.1	1.6	1.7	-16.37	-23.8	45.2	37.7	34.5	3.24	11.647		
900.0	899.4	897.5	895.8	1.9	2.0	-12.65	-32.3	52.5	40.5	36.8	3.69	10.982		
1,000.0	998.9	996.8	994.2	2.1	2.3	-9.08	-42.0	61.0	43.3	39.2	4.14	10.468		
1,100.0	1,098.3	1,095.9	1,092.3	2.4	2.6	-5.64	-53.0	70.6	46.2	41.6	4.59	10.066		
1,200.0	1,197.4	1,195.0	1,190.1	2.7	3.0	-2.30	-65.2	81.4	49.3	44.2	5.05	9.749		
1,300.0	1,296.3	1,294.1	1,287.5	3.0	3.4	0.92	-78.8	93.2	52.4	46.9	5.52	9.498		
1,400.0	1,394.9	1,393.4	1,384.8	3.4	3.8	4.05	-93.5	106.1	55.6	49.6	5.99	9.276		

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

Company:	Synergy Resources	Local Co-ordinate Reference:	Well SRC Eberle 14-32-31NHZM
Project:	SEC.32-T1N-R66W	TVD Reference:	WELL @ 5046.0ft (Ensign Rig #134 - RKB - 13')
Reference Site:	SRC Eberle 14-32-31CHZM Pad Sec.32-T1N-R66W	MD Reference:	WELL @ 5046.0ft (Ensign Rig #134 - RKB - 13')
Site Error:	0.0ft	North Reference:	True
Reference Well:	SRC Eberle 14-32-31NHZM	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 #3 (3-14-14)	Offset TVD Reference:	Offset Datum

Offset Design		SRC Eberle 14-32-31CHZM Pad Sec.32-T1N-R66W - SRC Eberle 14-32-31CHZM - Wellbore #1 - Plan										Offset Site Error:		0.0 ft		
Survey Program: 0-MWD														Offset Well Error:		0.0 ft
Reference		Offset		Semi Major Axis			Distance							Warning		
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre		Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor				
							+N/-S (ft)	+E/-W (ft)								
1,500.0	1,493.3	1,493.3	1,482.7	3.7	4.2	7.07	-108.7	119.3	57.5	51.1	6.48	8.883				
1,600.0	1,591.4	1,593.3	1,580.6	4.1	4.7	10.01	-123.8	132.5	58.9	51.9	6.99	8.429				
1,700.0	1,689.6	1,693.2	1,678.5	4.5	5.1	12.82	-138.9	145.7	60.4	52.9	7.52	8.036				
1,800.0	1,787.8	1,793.2	1,776.4	4.9	5.5	15.48	-154.0	158.9	62.1	54.0	8.07	7.692				
1,900.0	1,886.0	1,893.1	1,874.3	5.3	6.0	17.99	-169.2	172.1	63.8	55.2	8.64	7.388				
2,000.0	1,984.2	1,993.1	1,972.2	5.8	6.4	20.37	-184.3	185.3	65.7	56.5	9.24	7.115				
2,100.0	2,082.4	2,093.0	2,070.1	6.2	6.8	22.61	-199.4	198.5	67.7	57.9	9.86	6.870				
2,200.0	2,180.5	2,192.9	2,168.0	6.6	7.3	24.72	-214.6	211.8	69.8	59.3	10.50	6.649				
2,300.0	2,278.7	2,292.9	2,266.0	7.0	7.7	26.70	-229.7	225.0	72.0	60.8	11.17	6.449				
2,400.0	2,376.9	2,392.8	2,363.9	7.4	8.2	28.56	-244.8	238.2	74.3	62.4	11.85	6.267				
2,500.0	2,475.1	2,492.8	2,461.8	7.9	8.6	30.31	-259.9	251.4	76.6	64.1	12.56	6.102				
2,600.0	2,573.3	2,592.7	2,559.7	8.3	9.1	31.96	-275.1	264.6	79.0	65.8	13.28	5.952				
2,700.0	2,671.5	2,692.7	2,657.6	8.7	9.5	33.51	-290.2	277.8	81.5	67.5	14.01	5.816				
2,800.0	2,769.7	2,792.6	2,755.5	9.1	10.0	34.97	-305.3	291.0	84.0	69.3	14.76	5.692				
2,900.0	2,867.8	2,892.6	2,853.4	9.6	10.4	36.34	-320.5	304.3	86.6	71.1	15.52	5.579				
3,000.0	2,966.0	2,992.5	2,951.3	10.0	10.9	37.63	-335.6	317.5	89.2	72.9	16.30	5.476				
3,100.0	3,064.2	3,092.5	3,049.2	10.4	11.3	38.84	-350.7	330.7	91.9	74.8	17.08	5.381				
3,200.0	3,162.4	3,192.4	3,147.1	10.8	11.8	39.99	-365.8	343.9	94.6	76.7	17.87	5.295				
3,300.0	3,260.6	3,292.4	3,245.0	11.3	12.2	41.07	-381.0	357.1	97.3	78.7	18.66	5.216				
3,400.0	3,358.8	3,392.3	3,342.9	11.7	12.7	42.10	-396.1	370.3	100.1	80.7	19.47	5.143				
3,500.0	3,456.9	3,492.2	3,440.8	12.1	13.1	43.06	-411.2	383.5	102.9	82.6	20.28	5.076				
3,600.0	3,555.1	3,592.2	3,538.7	12.6	13.6	43.98	-426.4	396.8	105.8	84.7	21.09	5.015				
3,700.0	3,653.3	3,692.1	3,636.6	13.0	14.0	44.85	-441.5	410.0	108.6	86.7	21.91	4.958				
3,800.0	3,751.5	3,792.1	3,734.6	13.4	14.5	45.67	-456.6	423.2	111.5	88.8	22.73	4.905				
3,900.0	3,849.7	3,892.0	3,832.5	13.8	14.9	46.45	-471.7	436.4	114.4	90.8	23.55	4.857				
4,000.0	3,947.9	3,992.0	3,930.4	14.3	15.4	47.20	-486.9	449.6	117.3	92.9	24.38	4.812				
4,100.0	4,046.0	4,091.9	4,028.3	14.7	15.8	47.90	-502.0	462.8	120.3	95.1	25.21	4.770				
4,200.0	4,144.2	4,191.9	4,126.2	15.1	16.3	48.58	-517.1	476.0	123.2	97.2	26.05	4.731				
4,300.0	4,242.4	4,291.8	4,224.1	15.6	16.7	49.22	-532.2	489.3	126.2	99.3	26.88	4.695				
4,400.0	4,340.6	4,391.8	4,322.0	16.0	17.2	49.83	-547.4	502.5	129.2	101.5	27.72	4.661				
4,500.0	4,438.8	4,491.7	4,419.9	16.4	17.6	50.41	-562.5	515.7	132.2	103.6	28.56	4.629				
4,600.0	4,537.0	4,591.7	4,517.8	16.9	18.1	50.97	-577.6	528.9	135.2	105.8	29.39	4.600				
4,700.0	4,635.1	4,691.6	4,615.7	17.3	18.5	51.51	-592.8	542.1	138.2	108.0	30.24	4.572				
4,800.0	4,733.3	4,791.5	4,713.6	17.7	19.0	52.02	-607.9	555.3	141.3	110.2	31.08	4.546				
4,900.0	4,831.5	4,891.5	4,811.5	18.2	19.4	52.50	-623.0	568.5	144.3	112.4	31.92	4.522				
5,000.0	4,929.7	4,991.4	4,909.4	18.6	19.9	52.97	-638.1	581.7	147.4	114.6	32.76	4.499				
5,100.0	5,027.9	5,091.4	5,007.3	19.0	20.3	53.42	-653.3	595.0	150.5	116.9	33.61	4.477				
5,200.0	5,126.1	5,191.3	5,105.2	19.4	20.8	53.86	-668.4	608.2	153.6	119.1	34.45	4.457				
5,300.0	5,224.3	5,291.3	5,203.2	19.9	21.2	54.27	-683.5	621.4	156.6	121.3	35.30	4.438				
5,400.0	5,322.4	5,391.2	5,301.1	20.3	21.7	54.67	-698.7	634.6	159.7	123.6	36.14	4.420				
5,500.0	5,420.6	5,491.2	5,399.0	20.7	22.1	55.05	-713.8	647.8	162.8	125.9	36.99	4.403				
5,600.0	5,518.8	5,591.1	5,496.9	21.2	22.6	55.42	-728.9	661.0	166.0	128.1	37.83	4.386				
5,700.0	5,617.0	5,691.1	5,594.8	21.6	23.0	55.78	-744.0	674.2	169.1	130.4	38.68	4.371				
5,800.0	5,715.2	5,791.0	5,692.7	22.0	23.5	56.12	-759.2	687.5	172.2	132.7	39.53	4.356				
5,900.0	5,813.4	5,890.9	5,790.6	22.5	23.9	56.45	-774.3	700.7	175.3	135.0	40.38	4.342				
6,000.0	5,911.5	5,990.9	5,888.5	22.9	24.4	56.77	-789.4	713.9	178.5	137.2	41.22	4.329				
6,100.0	6,009.7	6,090.8	5,986.4	23.3	24.8	57.08	-804.6	727.1	181.6	139.5	42.07	4.317				
6,200.0	6,108.0	6,190.8	6,084.3	23.7	25.3	57.28	-819.7	740.3	185.0	142.2	42.86	4.317				
6,300.0	6,206.8	6,290.6	6,182.1	24.0	25.8	56.75	-834.8	753.5	190.1	146.8	43.33	4.387				
6,400.0	6,306.1	6,393.1	6,282.6	24.2	26.2	55.51	-849.9	766.7	196.8	153.2	43.52	4.521				

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

Company:	Synergy Resources	Local Co-ordinate Reference:	Well SRC Eberle 14-32-31NHZM
Project:	SEC.32-T1N-R66W	TVD Reference:	WELL @ 5046.0ft (Ensign Rig #134 - RKB - 13')
Reference Site:	SRC Eberle 14-32-31CHZM Pad Sec.32-T1N-R66W	MD Reference:	WELL @ 5046.0ft (Ensign Rig #134 - RKB - 13')
Site Error:	0.0ft	North Reference:	True
Reference Well:	SRC Eberle 14-32-31NHZM	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 #3 (3-14-14)	Offset TVD Reference:	Offset Datum

Offset Design		SRC Eberle 14-32-31CHZM Pad Sec.32-T1N-R66W - SRC Eberle 14-32-31CHZM - Wellbore #1 - Plan										Offset Site Error:		0.0 ft
Survey Program: 0-MWD												Offset Well Error:		0.0 ft
Reference		Offset		Semi Major Axis			Distance							
Measured Depth	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset	Highside Toolface	Offset Wellbore Centre		Between Centres	Between Ellipses	Minimum Separation	Separation Factor	Warning	
(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(°)	+N/-S (ft)	+E/-W (ft)	(ft)	(ft)	(ft)			
6,500.0	6,405.7	6,497.9	6,386.0	24.4	26.5	54.19	-862.7	777.9	203.2	159.7	43.56	4.666		
6,600.0	6,505.6	6,603.0	6,490.2	24.6	26.7	52.88	-872.7	786.6	209.3	165.8	43.50	4.810		
6,700.0	6,605.5	6,708.4	6,595.2	24.7	26.9	-178.62	-879.8	792.8	214.9	171.9	42.99	4.998		
6,800.0	6,705.5	6,814.2	6,700.9	24.8	27.1	-179.61	-884.0	796.5	218.8	175.2	43.59	5.020		
6,900.0	6,805.5	6,919.9	6,806.5	24.9	27.2	-90.20	-885.3	797.7	220.0	176.6	43.44	5.065		
7,000.0	6,904.7	7,019.0	6,905.7	24.9	27.3	-93.38	-885.3	797.7	220.4	177.9	42.54	5.181		
7,100.0	7,001.1	7,119.5	7,006.0	24.8	27.4	-98.85	-885.3	793.1	222.8	182.1	40.76	5.467		
7,200.0	7,092.9	7,223.8	7,108.5	24.7	27.3	-104.18	-885.3	774.0	227.3	188.4	38.88	5.846		
7,300.0	7,178.4	7,331.8	7,210.4	24.5	27.2	-109.12	-885.3	738.7	233.4	196.4	37.06	6.298		
7,400.0	7,255.9	7,443.6	7,309.1	24.2	27.0	-113.53	-885.3	686.5	240.7	205.3	35.41	6.797		
7,500.0	7,323.8	7,559.2	7,401.4	24.0	26.7	-117.32	-885.3	617.0	248.4	214.3	34.07	7.291		
7,600.0	7,380.9	7,678.6	7,483.6	23.8	26.5	-120.45	-885.3	530.7	255.9	222.6	33.25	7.697		
7,700.0	7,425.9	7,801.3	7,552.0	23.7	26.2	-122.88	-885.3	429.0	262.5	229.3	33.17	7.913		
7,800.0	7,458.2	7,926.8	7,603.0	23.8	26.0	-124.59	-885.3	314.5	267.5	233.4	34.06	7.854		
7,900.0	7,476.9	8,054.2	7,633.6	24.1	25.8	-125.58	-885.3	190.9	270.6	234.6	35.95	7.526		
8,000.0	7,482.0	8,178.5	7,642.0	24.7	26.0	-125.85	-885.3	67.1	271.5	232.9	38.60	7.033		
8,100.0	7,482.0	8,278.5	7,642.0	25.8	26.5	-125.85	-885.3	-32.9	271.5	230.6	40.90	6.638		
8,200.0	7,482.0	8,378.5	7,642.0	27.2	27.6	-125.85	-885.3	-132.9	271.5	227.9	43.55	6.233		
8,300.0	7,482.0	8,478.5	7,642.0	28.9	29.2	-125.85	-885.3	-232.9	271.5	225.0	46.52	5.836		
8,400.0	7,482.0	8,578.5	7,642.0	30.8	31.1	-125.85	-885.3	-332.9	271.5	221.7	49.74	5.458		
8,500.0	7,482.0	8,678.5	7,642.0	32.9	33.1	-125.85	-885.3	-432.9	271.5	218.3	53.17	5.106		
8,600.0	7,482.0	8,778.5	7,642.0	35.1	35.3	-125.85	-885.3	-532.9	271.5	214.7	56.77	4.782		
8,700.0	7,482.0	8,878.5	7,642.0	37.4	37.6	-125.85	-885.3	-632.9	271.5	211.0	60.51	4.486		
8,800.0	7,482.0	8,978.5	7,642.0	39.7	40.0	-125.85	-885.3	-732.9	271.5	207.1	64.37	4.217		
8,900.0	7,482.0	9,078.5	7,642.0	42.1	42.4	-125.85	-885.3	-832.9	271.5	203.1	68.33	3.973		
9,000.0	7,482.0	9,178.5	7,642.0	44.6	44.8	-125.85	-885.3	-932.9	271.5	199.1	72.36	3.752		
9,100.0	7,482.0	9,278.5	7,642.0	47.0	47.3	-125.85	-885.3	-1,032.9	271.5	195.0	76.46	3.550		
9,200.0	7,482.0	9,378.5	7,642.0	49.6	49.8	-125.85	-885.3	-1,132.9	271.5	190.8	80.63	3.367		
9,300.0	7,482.0	9,478.5	7,642.0	52.1	52.4	-125.85	-885.3	-1,232.9	271.5	186.6	84.83	3.200		
9,400.0	7,482.0	9,578.5	7,642.0	54.7	55.0	-125.85	-885.3	-1,332.9	271.5	182.4	89.09	3.047		
9,500.0	7,482.0	9,678.5	7,642.0	57.3	57.6	-125.85	-885.3	-1,432.9	271.5	178.1	93.37	2.907		
9,600.0	7,482.0	9,778.5	7,642.0	59.9	60.2	-125.85	-885.3	-1,532.9	271.5	173.8	97.69	2.779		
9,700.0	7,482.0	9,878.5	7,642.0	62.5	62.8	-125.85	-885.3	-1,632.9	271.5	169.4	102.04	2.660		
9,800.0	7,482.0	9,978.5	7,642.0	65.2	65.4	-125.85	-885.3	-1,732.9	271.5	165.1	106.41	2.551		
9,900.0	7,482.0	10,078.5	7,642.0	67.8	68.1	-125.85	-885.3	-1,832.9	271.5	160.7	110.80	2.450		
10,000.0	7,482.0	10,178.5	7,642.0	70.5	70.8	-125.85	-885.3	-1,932.9	271.5	156.3	115.21	2.356		
10,100.0	7,482.0	10,278.5	7,642.0	73.2	73.4	-125.85	-885.3	-2,032.9	271.5	151.8	119.64	2.269		
10,200.0	7,482.0	10,378.5	7,642.0	75.9	76.1	-125.85	-885.3	-2,132.9	271.5	147.4	124.09	2.188		
10,300.0	7,482.0	10,478.5	7,642.0	78.6	78.8	-125.85	-885.3	-2,232.9	271.5	142.9	128.54	2.112		
10,400.0	7,482.0	10,578.5	7,642.0	81.3	81.5	-125.85	-885.4	-2,332.9	271.5	138.5	133.01	2.041		
10,500.0	7,482.0	10,678.5	7,642.0	84.0	84.2	-125.85	-885.4	-2,432.9	271.5	134.0	137.49	1.974		
10,600.0	7,482.0	10,778.5	7,642.0	86.7	86.9	-125.85	-885.4	-2,532.9	271.5	129.5	141.98	1.912		
10,700.0	7,482.0	10,878.5	7,642.0	89.4	89.6	-125.85	-885.4	-2,632.9	271.5	125.0	146.48	1.853		
10,800.0	7,482.0	10,978.5	7,642.0	92.1	92.4	-125.85	-885.4	-2,732.9	271.5	120.5	150.98	1.798		
10,900.0	7,482.0	11,078.5	7,642.0	94.9	95.1	-125.85	-885.4	-2,832.9	271.5	116.0	155.50	1.746		
11,000.0	7,482.0	11,178.5	7,642.0	97.6	97.8	-125.85	-885.4	-2,932.9	271.5	111.4	160.02	1.696		
11,100.0	7,482.0	11,278.5	7,642.0	100.3	100.6	-125.85	-885.4	-3,032.9	271.5	106.9	164.54	1.650		
11,200.0	7,482.0	11,378.5	7,642.0	103.1	103.3	-125.85	-885.4	-3,132.9	271.5	102.4	169.07	1.606		
11,300.0	7,482.0	11,478.5	7,642.0	105.8	106.0	-125.85	-885.4	-3,232.9	271.5	97.9	173.61	1.564		
11,400.0	7,482.0	11,578.5	7,642.0	108.6	108.8	-125.85	-885.4	-3,332.9	271.5	93.3	178.16	1.524		
11,500.0	7,482.0	11,678.5	7,642.0	111.3	111.5	-125.85	-885.4	-3,432.9	271.5	88.8	182.70	1.486	Level 3	

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

Company:	Synergy Resources	Local Co-ordinate Reference:	Well SRC Eberle 14-32-31NHZM
Project:	SEC.32-T1N-R66W	TVD Reference:	WELL @ 5046.0ft (Ensign Rig #134 - RKB - 13')
Reference Site:	SRC Eberle 14-32-31CHZM Pad Sec.32-T1N-R66W	MD Reference:	WELL @ 5046.0ft (Ensign Rig #134 - RKB - 13')
Site Error:	0.0ft	North Reference:	True
Reference Well:	SRC Eberle 14-32-31NHZM	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 #3 (3-14-14)	Offset TVD Reference:	Offset Datum

Offset Design SRC Eberle 14-32-31CHZM Pad Sec.32-T1N-R66W - SRC Eberle 14-32-31CHZM - Wellbore #1 - Plan													Offset Site Error:	0.0 ft
Survey Program: 0-MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance							
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning	
11,600.0	7,482.0	11,778.5	7,642.0	114.1	114.3	-125.85	-885.4	-3,532.9	271.5	84.2	187.25	1.450	Level 3	
11,700.0	7,482.0	11,878.5	7,642.0	116.8	117.0	-125.85	-885.4	-3,632.9	271.5	79.7	191.81	1.415	Level 3	
11,800.0	7,482.0	11,978.5	7,642.0	119.6	119.8	-125.85	-885.4	-3,732.9	271.5	75.1	196.37	1.382	Level 3	
11,900.0	7,482.0	12,078.5	7,642.0	122.4	122.5	-125.85	-885.4	-3,832.9	271.5	70.5	200.93	1.351	Level 3	
12,000.0	7,482.0	12,178.5	7,642.0	125.1	125.3	-125.85	-885.4	-3,932.9	271.5	66.0	205.49	1.321	Level 3	
12,100.0	7,482.0	12,278.5	7,642.0	127.9	128.1	-125.85	-885.4	-4,032.9	271.5	61.4	210.06	1.292	Level 3	
12,200.0	7,482.0	12,378.5	7,642.0	130.6	130.8	-125.85	-885.4	-4,132.9	271.5	56.8	214.63	1.265	Level 3	
12,300.0	7,482.0	12,478.5	7,642.0	133.4	133.6	-125.85	-885.4	-4,232.9	271.5	52.3	219.21	1.238	Level 2	
12,400.0	7,482.0	12,578.5	7,642.0	136.2	136.4	-125.85	-885.4	-4,332.9	271.5	47.7	223.78	1.213	Level 2	
12,500.0	7,482.0	12,678.5	7,642.0	139.0	139.1	-125.85	-885.4	-4,432.9	271.5	43.1	228.36	1.189	Level 2	
12,600.0	7,482.0	12,778.5	7,642.0	141.7	141.9	-125.85	-885.4	-4,532.9	271.5	38.5	232.94	1.165	Level 2	
12,700.0	7,482.0	12,878.5	7,642.0	144.5	144.7	-125.85	-885.4	-4,632.9	271.5	33.9	237.53	1.143	Level 2	
12,800.0	7,482.0	12,978.5	7,642.0	147.3	147.4	-125.85	-885.4	-4,732.9	271.5	29.4	242.11	1.121	Level 2	
12,900.0	7,482.0	13,078.5	7,642.0	150.0	150.2	-125.85	-885.4	-4,832.9	271.5	24.8	246.70	1.100	Level 2	
13,000.0	7,482.0	13,178.5	7,642.0	152.8	153.0	-125.85	-885.4	-4,932.9	271.5	20.2	251.28	1.080	Level 2	
13,100.0	7,482.0	13,278.5	7,642.0	155.6	155.8	-125.85	-885.4	-5,032.9	271.5	15.6	255.87	1.061	Level 2	
13,200.0	7,482.0	13,378.5	7,642.0	158.4	158.5	-125.85	-885.4	-5,132.9	271.5	11.0	260.46	1.042	Level 2	
13,300.0	7,482.0	13,478.5	7,642.0	161.2	161.3	-125.85	-885.4	-5,232.9	271.5	6.4	265.06	1.024	Level 2	
13,400.0	7,482.0	13,578.5	7,642.0	163.9	164.1	-125.85	-885.4	-5,332.9	271.5	1.8	269.65	1.007	Level 2	
13,500.0	7,482.0	13,678.5	7,642.0	166.7	166.9	-125.85	-885.4	-5,432.9	271.5	-2.8	274.25	0.990	Level 1	
13,600.0	7,482.0	13,778.5	7,642.0	169.5	169.7	-125.85	-885.4	-5,532.9	271.5	-7.4	278.84	0.974	Level 1	
13,700.0	7,482.0	13,878.5	7,642.0	172.3	172.4	-125.85	-885.4	-5,632.9	271.5	-12.0	283.44	0.958	Level 1	
13,800.0	7,482.0	13,978.5	7,642.0	175.1	175.2	-125.85	-885.4	-5,732.9	271.5	-16.6	288.04	0.942	Level 1	
13,900.0	7,482.0	14,078.5	7,642.0	177.8	178.0	-125.85	-885.4	-5,832.9	271.5	-21.2	292.64	0.928	Level 1	
14,000.0	7,482.0	14,178.5	7,642.0	180.6	180.8	-125.85	-885.4	-5,932.9	271.5	-25.8	297.24	0.913	Level 1	
14,100.0	7,482.0	14,278.5	7,642.0	183.4	183.6	-125.85	-885.4	-6,032.9	271.5	-30.4	301.84	0.899	Level 1	
14,200.0	7,482.0	14,378.5	7,642.0	186.2	186.3	-125.85	-885.4	-6,132.9	271.5	-35.0	306.44	0.886	Level 1	
14,300.0	7,482.0	14,478.5	7,642.0	189.0	189.1	-125.85	-885.4	-6,232.9	271.5	-39.6	311.05	0.873	Level 1	
14,400.0	7,482.0	14,578.5	7,642.0	191.8	191.9	-125.85	-885.4	-6,332.9	271.5	-44.2	315.65	0.860	Level 1	
14,500.0	7,482.0	14,678.5	7,642.0	194.6	194.7	-125.85	-885.4	-6,432.9	271.5	-48.8	320.26	0.848	Level 1	
14,600.0	7,482.0	14,778.5	7,642.0	197.3	197.5	-125.85	-885.4	-6,532.9	271.5	-53.4	324.86	0.836	Level 1	
14,700.0	7,482.0	14,878.5	7,642.0	200.1	199.5	-125.85	-885.4	-6,632.9	271.5	-57.3	328.80	0.826	Level 1	
14,700.3	7,482.0	14,878.8	7,642.0	200.1	199.5	-125.85	-885.4	-6,633.2	271.5	-57.4	328.81	0.826	Level 1, ES, SF	

Company:	Synergy Resources	Local Co-ordinate Reference:	Well SRC Eberle 14-32-31NHZM
Project:	SEC.32-T1N-R66W	TVD Reference:	WELL @ 5046.0ft (Ensign Rig #134 - RKB - 13')
Reference Site:	SRC Eberle 14-32-31CHZM Pad Sec.32-T1N-R66W	MD Reference:	WELL @ 5046.0ft (Ensign Rig #134 - RKB - 13')
Site Error:	0.0ft	North Reference:	True
Reference Well:	SRC Eberle 14-32-31NHZM	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 #3 (3-14-14)	Offset TVD Reference:	Offset Datum

Offset Design		SRC Eberle 14-32-31CHZM Pad Sec.32-T1N-R66W - SRC Eberle B-32CHZ - Wellbore #1 - Plan #2 (3-										Offset Site Error:		0.0 ft
Survey Program: 0-MWD												Offset Well Error:		0.0 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre		Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
							+N/-S (ft)	+E/-W (ft)						
0.0	0.0	0.0	0.0	0.0	0.0	-90.01	0.0	-66.1	66.2					
100.0	100.0	97.0	97.0	0.1	0.1	-90.01	0.0	-66.1	66.1	65.9	0.22	298.620		
200.0	200.0	197.0	197.0	0.3	0.3	-90.01	0.0	-66.1	66.1	65.4	0.67	99.040		
300.0	300.0	297.0	297.0	0.6	0.6	-90.01	0.0	-66.1	66.1	65.0	1.12	59.185		
400.0	400.0	397.0	397.0	0.8	0.8	-90.01	0.0	-66.1	66.1	64.5	1.57	42.202 CC, ES		
500.0	500.0	497.0	497.0	1.0	1.0	140.64	0.0	-66.1	66.8	64.8	1.99	33.481		
600.0	600.0	597.0	597.0	1.2	1.2	142.01	0.0	-66.1	68.8	66.4	2.41	28.519		
700.0	699.9	696.9	696.9	1.4	1.5	144.12	0.0	-66.1	72.3	69.5	2.84	25.431		
800.0	799.7	796.7	796.7	1.6	1.7	146.74	0.0	-66.1	77.4	74.1	3.28	23.567		
900.0	899.4	896.4	896.4	1.9	1.9	149.64	0.0	-66.1	84.0	80.3	3.73	22.548		
1,000.0	998.9	995.9	995.9	2.1	2.1	152.60	0.0	-66.1	92.4	88.3	4.17	22.140		
1,100.0	1,098.3	1,095.3	1,095.3	2.4	2.3	155.47	0.0	-66.1	102.6	98.0	4.63	22.186		
1,200.0	1,197.4	1,194.4	1,194.4	2.7	2.6	158.13	0.0	-66.1	114.6	109.6	5.08	22.576		
1,300.0	1,296.3	1,295.4	1,295.4	3.0	2.8	160.54	-0.4	-65.4	127.7	122.2	5.51	23.162		
1,400.0	1,394.9	1,396.8	1,396.8	3.4	3.0	162.67	-1.6	-63.1	140.9	135.0	5.93	23.743		
1,500.0	1,493.3	1,498.4	1,498.3	3.7	3.2	164.57	-3.6	-59.2	154.1	147.8	6.36	24.233		
1,600.0	1,591.4	1,600.4	1,600.1	4.1	3.4	166.26	-6.4	-53.7	166.5	159.7	6.80	24.470		
1,700.0	1,689.6	1,702.8	1,702.2	4.5	3.6	167.72	-10.1	-46.5	177.2	169.9	7.25	24.427		
1,800.0	1,787.8	1,805.6	1,804.4	4.9	3.8	169.03	-14.6	-37.7	186.2	178.5	7.71	24.150		
1,900.0	1,886.0	1,908.6	1,906.8	5.3	4.1	170.24	-20.0	-27.2	193.5	185.3	8.17	23.677		
2,000.0	1,984.2	2,011.9	2,009.2	5.8	4.4	171.40	-26.2	-15.0	199.1	190.5	8.64	23.042		
2,100.0	2,082.4	2,115.4	2,111.5	6.2	4.7	172.55	-33.3	-1.2	203.0	193.9	9.11	22.268		
2,200.0	2,180.5	2,219.0	2,213.6	6.6	5.0	173.70	-41.2	14.3	205.1	195.5	9.59	21.380		
2,300.0	2,278.7	2,322.6	2,315.4	7.0	5.3	174.90	-50.0	31.5	205.6	195.5	10.08	20.392		
2,400.0	2,376.9	2,423.8	2,414.6	7.4	5.7	176.13	-59.2	49.5	204.6	194.1	10.57	19.364		
2,500.0	2,475.1	2,523.7	2,512.5	7.9	6.1	177.36	-68.4	67.4	203.7	192.6	11.06	18.419		
2,600.0	2,573.3	2,623.6	2,610.3	8.3	6.4	178.59	-77.6	85.2	202.9	191.3	11.56	17.551		
2,700.0	2,671.5	2,723.5	2,708.2	8.7	6.8	179.84	-86.7	103.1	202.1	190.0	12.06	16.752		
2,800.0	2,769.7	2,823.4	2,806.1	9.1	7.2	-178.90	-95.9	121.0	201.5	188.9	12.58	16.014		
2,900.0	2,867.8	2,923.3	2,903.9	9.6	7.6	-177.64	-105.0	138.9	200.9	187.8	13.11	15.329		
3,000.0	2,966.0	3,023.2	3,001.8	10.0	8.0	-176.37	-114.2	156.8	200.4	186.8	13.64	14.693		
3,100.0	3,064.2	3,123.1	3,099.6	10.4	8.4	-175.10	-123.4	174.7	200.1	185.9	14.19	14.099		
3,200.0	3,162.4	3,223.0	3,197.5	10.8	8.9	-173.82	-132.5	192.6	199.8	185.1	14.75	13.545		
3,300.0	3,260.6	3,322.9	3,295.3	11.3	9.3	-172.54	-141.7	210.5	199.7	184.3	15.33	13.026		
3,400.0	3,358.8	3,422.8	3,393.2	11.7	9.7	-171.25	-150.9	228.4	199.6	183.7	15.92	12.539		
3,408.2	3,366.8	3,431.0	3,401.2	11.7	9.7	-171.15	-151.6	229.8	199.6	183.6	15.97	12.501		
3,500.0	3,456.9	3,522.7	3,491.1	12.1	10.1	-169.97	-160.0	246.2	199.6	183.1	16.53	12.082		
3,600.0	3,555.1	3,622.6	3,588.9	12.6	10.6	-168.69	-169.2	264.1	199.8	182.6	17.15	11.651		
3,700.0	3,653.3	3,722.5	3,686.8	13.0	11.0	-167.41	-178.4	282.0	200.0	182.2	17.79	11.246		
3,800.0	3,751.5	3,822.4	3,784.6	13.4	11.4	-166.13	-187.5	299.9	200.4	181.9	18.44	10.864		
3,900.0	3,849.7	3,922.3	3,882.5	13.8	11.9	-164.86	-196.7	317.8	200.8	181.7	19.12	10.504		
4,000.0	3,947.9	4,022.2	3,980.3	14.3	12.3	-163.60	-205.8	335.7	201.4	181.5	19.81	10.164		
4,100.0	4,046.0	4,122.1	4,078.2	14.7	12.7	-162.34	-215.0	353.6	202.0	181.5	20.52	9.843		
4,200.0	4,144.2	4,222.0	4,176.1	15.1	13.2	-161.09	-224.2	371.5	202.7	181.5	21.25	9.540		
4,300.0	4,242.4	4,321.9	4,273.9	15.6	13.6	-159.86	-233.3	389.3	203.6	181.6	22.00	9.255		
4,400.0	4,340.6	4,421.8	4,371.8	16.0	14.0	-158.63	-242.5	407.2	204.5	181.7	22.76	8.985		
4,500.0	4,438.8	4,521.7	4,469.6	16.4	14.5	-157.41	-251.7	425.1	205.5	182.0	23.54	8.730		
4,600.0	4,537.0	4,621.6	4,567.5	16.9	14.9	-156.21	-260.8	443.0	206.6	182.3	24.34	8.490		
4,700.0	4,635.1	4,721.5	4,665.3	17.3	15.4	-155.02	-270.0	460.9	207.8	182.7	25.15	8.263		
4,800.0	4,733.3	4,821.4	4,763.2	17.7	15.8	-153.84	-279.2	478.8	209.1	183.1	25.98	8.049		
4,900.0	4,831.5	4,921.3	4,861.1	18.2	16.2	-152.68	-288.3	496.7	210.5	183.6	26.82	7.847		

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

Company:	Synergy Resources	Local Co-ordinate Reference:	Well SRC Eberle 14-32-31NHZM
Project:	SEC.32-T1N-R66W	TVD Reference:	WELL @ 5046.0ft (Ensign Rig #134 - RKB - 13')
Reference Site:	SRC Eberle 14-32-31CHZM Pad Sec.32-T1N-R66W	MD Reference:	WELL @ 5046.0ft (Ensign Rig #134 - RKB - 13')
Site Error:	0.0ft	North Reference:	True
Reference Well:	SRC Eberle 14-32-31NHZM	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 #3 (3-14-14)	Offset TVD Reference:	Offset Datum

Offset Design				SRC Eberle 14-32-31CHZM Pad Sec.32-T1N-R66W - SRC Eberle B-32CHZ - Wellbore #1 - Plan #2 (3-							Offset Site Error:		0.0 ft	
Survey Program: 0-MWD											Offset Well Error:		0.0 ft	
Reference		Offset		Semi Major Axis			Distance							
Measured Depth	Vertical	Measured	Vertical	Reference	Offset	Highside	Offset Wellbore Centre		Between	Between	Minimum	Separation	Warning	
Depth (ft)	Depth (ft)	Depth (ft)	Depth (ft)	(ft)	(ft)	Toolface (°)	+N/-S (ft)	+E/-W (ft)	Centres (ft)	Ellipses (ft)	Separation (ft)	Factor		
5,000.0	4,929.7	5,021.2	4,958.9	18.6	16.7	-151.53	-297.5	514.6	211.9	184.3	27.68	7.657		
5,100.0	5,027.9	5,121.1	5,056.8	19.0	17.1	-150.40	-306.6	532.4	213.5	184.9	28.55	7.477		
5,200.0	5,126.1	5,221.0	5,154.6	19.4	17.6	-149.29	-315.8	550.3	215.1	185.7	29.43	7.308		
5,300.0	5,224.3	5,320.9	5,252.5	19.9	18.0	-148.19	-325.0	568.2	216.8	186.5	30.33	7.149		
5,400.0	5,322.4	5,420.8	5,350.3	20.3	18.5	-147.11	-334.1	586.1	218.6	187.4	31.23	6.999		
5,500.0	5,420.6	5,520.7	5,448.2	20.7	18.9	-146.05	-343.3	604.0	220.5	188.3	32.15	6.857		
5,600.0	5,518.8	5,620.6	5,546.1	21.2	19.4	-145.01	-352.5	621.9	222.4	189.3	33.08	6.724		
5,700.0	5,617.0	5,720.5	5,643.9	21.6	19.8	-143.98	-361.6	639.8	224.4	190.4	34.01	6.598		
5,800.0	5,715.2	5,820.4	5,741.8	22.0	20.2	-142.98	-370.8	657.7	226.5	191.5	34.95	6.480		
5,900.0	5,813.4	5,920.3	5,839.6	22.5	20.7	-141.99	-380.0	675.6	228.6	192.7	35.90	6.368		
6,000.0	5,911.5	6,020.2	5,937.5	22.9	21.1	-141.02	-389.1	693.4	230.8	194.0	36.86	6.263		
6,100.0	6,009.7	6,120.1	6,035.3	23.3	21.6	-140.07	-398.3	711.3	233.1	195.3	37.82	6.164		
6,200.0	6,108.0	6,220.0	6,133.2	23.7	22.0	-139.07	-407.4	729.2	235.1	196.3	38.80	6.060		
6,300.0	6,206.8	6,319.5	6,230.6	24.0	22.5	-137.59	-416.6	747.0	234.9	195.0	39.83	5.897		
6,400.0	6,306.1	6,414.9	6,324.4	24.2	22.8	-135.94	-424.5	762.5	233.3	192.5	40.79	5.721		
6,500.0	6,405.7	6,510.4	6,418.9	24.4	23.1	-134.35	-431.0	775.2	231.3	189.7	41.63	5.556		
6,600.0	6,505.6	6,606.3	6,514.0	24.6	23.3	-132.80	-436.1	785.2	228.8	186.4	42.40	5.397		
6,700.0	6,605.5	6,702.3	6,609.7	24.7	23.5	-1.46	-439.7	792.3	225.8	187.4	38.37	5.883		
6,800.0	6,705.5	6,800.0	6,707.3	24.8	23.7	-0.37	-441.9	796.6	223.4	185.1	38.37	5.823		
6,893.3	6,798.8	6,888.6	6,796.0	24.9	23.8	90.59	-442.6	797.9	222.7	178.6	44.11	5.048		
6,900.0	6,805.5	6,895.2	6,802.5	24.9	23.8	90.25	-442.6	797.9	222.7	178.6	44.05	5.055		
7,000.0	6,904.7	6,994.3	6,901.7	24.9	23.9	93.40	-442.6	797.9	223.1	178.2	44.91	4.968		
7,100.0	7,001.1	7,094.7	7,001.9	24.8	24.0	98.90	-442.6	793.8	225.5	179.6	45.92	4.912		
7,200.0	7,092.9	7,199.1	7,104.5	24.7	23.9	104.29	-442.6	775.2	230.2	183.9	46.28	4.973		
7,300.0	7,178.4	7,307.1	7,206.7	24.5	23.8	109.29	-442.6	740.5	236.5	190.6	45.92	5.151		
7,400.0	7,255.9	7,419.1	7,305.9	24.2	23.6	113.75	-442.6	688.7	244.1	199.1	44.93	5.432		
7,500.0	7,323.8	7,535.2	7,398.8	24.0	23.3	117.59	-442.6	619.5	252.1	208.5	43.52	5.792		
7,600.0	7,380.9	7,655.0	7,481.8	23.8	23.1	120.75	-442.6	533.1	259.8	217.8	42.03	6.182		
7,700.0	7,425.9	7,778.4	7,551.0	23.7	23.0	123.21	-442.6	431.1	266.6	225.8	40.86	6.526		
7,800.0	7,458.2	7,904.7	7,602.6	23.8	23.3	124.94	-442.6	316.0	271.9	231.5	40.40	6.730		
7,900.0	7,476.9	8,033.1	7,633.5	24.1	23.9	125.93	-442.6	191.6	275.1	234.1	40.96	6.716		
8,000.0	7,482.0	8,158.1	7,642.0	24.7	25.1	126.20	-442.6	67.1	276.0	233.3	42.63	6.473		
8,100.0	7,482.0	8,258.1	7,642.0	25.8	26.3	126.20	-442.6	-32.9	276.0	231.0	44.97	6.137		
8,200.0	7,482.0	8,358.1	7,642.0	27.2	27.8	126.20	-442.6	-132.9	276.0	228.4	47.62	5.796		
8,300.0	7,482.0	8,458.1	7,642.0	28.9	29.5	126.20	-442.6	-232.9	276.0	225.4	50.55	5.460		
8,400.0	7,482.0	8,558.1	7,642.0	30.8	31.3	126.20	-442.6	-332.9	276.0	222.3	53.71	5.138		
8,500.0	7,482.0	8,658.1	7,642.0	32.9	33.4	126.20	-442.6	-432.9	276.0	218.9	57.07	4.835		
8,600.0	7,482.0	8,758.1	7,642.0	35.1	35.5	126.20	-442.6	-532.9	276.0	215.4	60.60	4.554		
8,700.0	7,482.0	8,858.1	7,642.0	37.4	37.7	126.20	-442.6	-632.9	276.0	211.7	64.26	4.295		
8,800.0	7,482.0	8,958.1	7,642.0	39.7	40.0	126.20	-442.6	-732.9	276.0	207.9	68.03	4.056		
8,900.0	7,482.0	9,058.1	7,642.0	42.1	42.4	126.20	-442.6	-832.9	276.0	204.1	71.91	3.838		
9,000.0	7,482.0	9,158.1	7,642.0	44.6	44.8	126.20	-442.6	-932.9	276.0	200.1	75.86	3.638		
9,100.0	7,482.0	9,258.1	7,642.0	47.0	47.3	126.20	-442.6	-1,032.9	276.0	196.1	79.88	3.455		
9,200.0	7,482.0	9,358.1	7,642.0	49.6	49.8	126.20	-442.6	-1,132.9	276.0	192.0	83.97	3.287		
9,300.0	7,482.0	9,458.1	7,642.0	52.1	52.3	126.20	-442.6	-1,232.9	276.0	187.9	88.10	3.133		
9,400.0	7,482.0	9,558.1	7,642.0	54.7	54.9	126.20	-442.6	-1,332.9	276.0	183.7	92.28	2.991		
9,500.0	7,482.0	9,658.1	7,642.0	57.3	57.4	126.20	-442.6	-1,432.9	276.0	179.5	96.50	2.860		
9,600.0	7,482.0	9,758.1	7,642.0	59.9	60.0	126.20	-442.6	-1,532.9	276.0	175.2	100.75	2.739		
9,700.0	7,482.0	9,858.1	7,642.0	62.5	62.6	126.20	-442.6	-1,632.9	276.0	171.0	105.03	2.628		
9,800.0	7,482.0	9,958.1	7,642.0	65.2	65.3	126.20	-442.6	-1,732.9	276.0	166.6	109.33	2.524		

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

Company:	Synergy Resources	Local Co-ordinate Reference:	Well SRC Eberle 14-32-31NHZM
Project:	SEC.32-T1N-R66W	TVD Reference:	WELL @ 5046.0ft (Ensign Rig #134 - RKB - 13')
Reference Site:	SRC Eberle 14-32-31CHZM Pad Sec.32-T1N-R66W	MD Reference:	WELL @ 5046.0ft (Ensign Rig #134 - RKB - 13')
Site Error:	0.0ft	North Reference:	True
Reference Well:	SRC Eberle 14-32-31NHZM	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 #3 (3-14-14)	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.0 ft
Survey Program: 0-MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance							
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning	
9,900.0	7,482.0	10,058.1	7,642.0	67.8	67.9	126.20	-442.6	-1,832.9	276.0	162.3	113.66	2.428		
10,000.0	7,482.0	10,158.1	7,642.0	70.5	70.6	126.20	-442.6	-1,932.9	276.0	158.0	118.01	2.339		
10,100.0	7,482.0	10,258.1	7,642.0	73.2	73.2	126.20	-442.6	-2,032.9	276.0	153.6	122.38	2.255		
10,200.0	7,482.0	10,358.1	7,642.0	75.9	75.9	126.20	-442.6	-2,132.9	276.0	149.2	126.77	2.177		
10,300.0	7,482.0	10,458.1	7,642.0	78.6	78.6	126.20	-442.6	-2,232.9	276.0	144.8	131.17	2.104		
10,400.0	7,482.0	10,558.1	7,642.0	81.3	81.3	126.20	-442.6	-2,332.9	276.0	140.4	135.58	2.036		
10,500.0	7,482.0	10,658.1	7,642.0	84.0	84.0	126.20	-442.6	-2,432.9	276.0	136.0	140.00	1.971		
10,600.0	7,482.0	10,758.1	7,642.0	86.7	86.7	126.20	-442.6	-2,532.9	276.0	131.5	144.44	1.911		
10,700.0	7,482.0	10,858.1	7,642.0	89.4	89.4	126.20	-442.6	-2,632.9	276.0	127.1	148.89	1.854		
10,800.0	7,482.0	10,958.1	7,642.0	92.1	92.1	126.20	-442.6	-2,732.9	276.0	122.6	153.34	1.800		
10,900.0	7,482.0	11,058.1	7,642.0	94.9	94.9	126.20	-442.6	-2,832.9	276.0	118.2	157.81	1.749		
11,000.0	7,482.0	11,158.1	7,642.0	97.6	97.6	126.20	-442.6	-2,932.9	276.0	113.7	162.28	1.701		
11,100.0	7,482.0	11,258.1	7,642.0	100.3	100.3	126.20	-442.6	-3,032.9	276.0	109.2	166.76	1.655		
11,200.0	7,482.0	11,358.1	7,642.0	103.1	103.1	126.20	-442.6	-3,132.9	276.0	104.7	171.24	1.612		
11,300.0	7,482.0	11,458.1	7,642.0	105.8	105.8	126.20	-442.6	-3,232.9	276.0	100.2	175.74	1.570		
11,400.0	7,482.0	11,558.1	7,642.0	108.6	108.6	126.20	-442.6	-3,332.9	276.0	95.8	180.23	1.531		
11,500.0	7,482.0	11,658.1	7,642.0	111.3	111.3	126.20	-442.6	-3,432.9	276.0	91.2	184.74	1.494 Level 3		
11,600.0	7,482.0	11,758.1	7,642.0	114.1	114.1	126.20	-442.6	-3,532.9	276.0	86.7	189.24	1.458 Level 3		
11,700.0	7,482.0	11,858.1	7,642.0	116.8	116.8	126.20	-442.6	-3,632.9	276.0	82.2	193.75	1.424 Level 3		
11,800.0	7,482.0	11,958.1	7,642.0	119.6	119.6	126.20	-442.6	-3,732.9	276.0	77.7	198.27	1.392 Level 3		
11,900.0	7,482.0	12,058.1	7,642.0	122.4	122.3	126.20	-442.6	-3,832.9	276.0	73.2	202.79	1.361 Level 3		
12,000.0	7,482.0	12,158.1	7,642.0	125.1	125.1	126.20	-442.6	-3,932.9	276.0	68.7	207.31	1.331 Level 3, SF		
12,100.0	7,482.0	12,190.2	7,642.0	127.9	126.0	126.20	-442.6	-3,965.0	284.2	73.9	210.30	1.352 Level 3		
12,200.0	7,482.0	12,190.2	7,642.0	130.6	126.0	126.20	-442.6	-3,965.0	323.1	110.5	212.57	1.520		
12,300.0	7,482.0	12,190.2	7,642.0	133.4	126.0	126.20	-442.6	-3,965.0	384.7	169.8	214.83	1.791		
12,400.0	7,482.0	12,190.2	7,642.0	136.2	126.0	126.20	-442.6	-3,965.0	460.0	242.9	217.10	2.119		
12,500.0	7,482.0	12,190.2	7,642.0	139.0	126.0	126.20	-442.6	-3,965.0	543.3	323.9	219.37	2.477		
12,600.0	7,482.0	12,190.2	7,642.0	141.7	126.0	126.20	-442.6	-3,965.0	631.5	409.8	221.64	2.849		
12,700.0	7,482.0	12,190.2	7,642.0	144.5	126.0	126.20	-442.6	-3,965.0	722.7	498.8	223.92	3.228		
12,800.0	7,482.0	12,190.2	7,642.0	147.3	126.0	126.20	-442.6	-3,965.0	816.0	589.9	226.19	3.608		
12,900.0	7,482.0	12,190.2	7,642.0	150.0	126.0	126.20	-442.6	-3,965.0	910.8	682.3	228.46	3.987		

Company:	Synergy Resources	Local Co-ordinate Reference:	Well SRC Eberle 14-32-31NHZM
Project:	SEC.32-T1N-R66W	TVD Reference:	WELL @ 5046.0ft (Ensign Rig #134 - RKB - 13')
Reference Site:	SRC Eberle 14-32-31CHZM Pad Sec.32-T1N-R66W	MD Reference:	WELL @ 5046.0ft (Ensign Rig #134 - RKB - 13')
Site Error:	0.0ft	North Reference:	True
Reference Well:	SRC Eberle 14-32-31NHZM	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 #3 (3-14-14)	Offset TVD Reference:	Offset Datum

Offset Design SRC Eberle 14-32-31CHZM Pad Sec.32-T1N-R66W - SRC Eberle B-32NHZ - Wellbore #1 - Plan #2 (3-													Offset Site Error:	0.0 ft
Survey Program: 0-MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance							
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning	
0.0	0.0	0.0	0.0	0.0	0.0	-89.98	0.0	-88.8	88.9					
100.0	100.0	96.0	96.0	0.1	0.1	-89.98	0.0	-88.8	88.8	88.6	0.22	403.155		
200.0	200.0	196.0	196.0	0.3	0.3	-89.98	0.0	-88.8	88.8	88.1	0.67	133.482		
300.0	300.0	296.0	296.0	0.6	0.6	-89.98	0.0	-88.8	88.8	87.7	1.11	79.659		
400.0	400.0	396.0	396.0	0.8	0.8	-89.98	0.0	-88.8	88.8	87.2	1.56	56.768 CC, ES		
500.0	500.0	496.0	496.0	1.0	1.0	140.56	0.0	-88.8	89.5	87.5	1.99	44.907		
600.0	600.0	596.0	596.0	1.2	1.2	141.59	0.0	-88.8	91.5	89.1	2.41	37.953		
700.0	699.9	695.9	695.9	1.4	1.5	143.20	0.0	-88.8	95.0	92.1	2.84	33.423		
800.0	799.7	795.7	795.7	1.6	1.7	145.27	0.0	-88.8	99.9	96.6	3.28	30.463		
900.0	899.4	895.4	895.4	1.9	1.9	147.64	0.0	-88.8	106.5	102.8	3.73	28.579		
1,000.0	998.9	994.9	994.9	2.1	2.1	150.16	0.0	-88.8	114.7	110.5	4.18	27.467		
1,100.0	1,098.3	1,094.3	1,094.3	2.4	2.3	152.70	0.0	-88.8	124.7	120.0	4.63	26.928		
1,200.0	1,197.4	1,193.4	1,193.4	2.7	2.6	155.16	0.0	-88.8	136.4	131.3	5.08	26.827		
1,300.0	1,296.3	1,292.3	1,292.3	3.0	2.8	157.48	0.0	-88.8	150.0	144.4	5.54	27.064		
1,400.0	1,394.9	1,390.9	1,390.9	3.4	3.0	159.61	0.0	-88.8	165.4	159.4	6.00	27.568		
1,500.0	1,493.3	1,492.2	1,492.2	3.7	3.2	161.63	-0.1	-88.1	181.9	175.4	6.44	28.222		
1,600.0	1,591.4	1,594.1	1,594.0	4.1	3.4	163.52	-0.8	-85.6	197.6	190.7	6.88	28.702		
1,700.0	1,689.6	1,696.5	1,696.4	4.5	3.6	165.22	-1.8	-81.4	211.7	204.4	7.33	28.895		
1,800.0	1,787.8	1,799.4	1,799.1	4.9	3.8	166.81	-3.4	-75.3	224.2	216.5	7.77	28.842		
1,900.0	1,886.0	1,902.6	1,902.0	5.3	4.1	168.34	-5.3	-67.4	235.2	227.0	8.23	28.586		
2,000.0	1,984.2	2,006.2	2,005.1	5.8	4.3	169.85	-7.8	-57.7	244.6	235.9	8.69	28.157		
2,100.0	2,082.4	2,110.0	2,108.2	6.2	4.6	171.37	-10.7	-46.2	252.4	243.2	9.15	27.583		
2,200.0	2,180.5	2,214.0	2,211.3	6.6	4.8	172.93	-14.0	-32.8	258.6	249.0	9.62	26.884		
2,300.0	2,278.7	2,318.1	2,314.2	7.0	5.1	174.55	-17.8	-17.6	263.3	253.2	10.10	26.077		
2,400.0	2,376.9	2,422.3	2,416.9	7.4	5.4	176.27	-22.1	-0.6	266.5	255.9	10.58	25.178		
2,500.0	2,475.1	2,526.4	2,519.2	7.9	5.8	178.09	-26.8	18.2	268.3	257.2	11.09	24.195		
2,600.0	2,573.3	2,629.3	2,619.9	8.3	6.1	-179.97	-31.9	38.5	268.7	257.1	11.61	23.151		
2,700.0	2,671.5	2,728.9	2,717.3	8.7	6.5	-178.05	-37.0	58.7	269.0	256.9	12.14	22.164		
2,800.0	2,769.7	2,828.5	2,814.7	9.1	6.9	-176.14	-42.0	78.8	269.6	256.9	12.69	21.248		
2,900.0	2,867.8	2,928.0	2,912.1	9.6	7.3	-174.23	-47.1	98.9	270.5	257.2	13.26	20.397		
3,000.0	2,966.0	3,027.6	3,009.5	10.0	7.7	-172.35	-52.1	119.0	271.7	257.8	13.86	19.603		
3,100.0	3,064.2	3,127.2	3,106.9	10.4	8.1	-170.48	-57.2	139.1	273.2	258.7	14.48	18.864		
3,200.0	3,162.4	3,226.8	3,204.3	10.8	8.5	-168.63	-62.2	159.2	274.9	259.8	15.13	18.173		
3,300.0	3,260.6	3,326.4	3,301.7	11.3	8.9	-166.81	-67.3	179.4	277.0	261.2	15.80	17.529		
3,400.0	3,358.8	3,426.0	3,399.1	11.7	9.3	-165.02	-72.3	199.5	279.3	262.8	16.50	16.929		
3,500.0	3,456.9	3,525.6	3,496.5	12.1	9.7	-163.26	-77.4	219.6	282.0	264.7	17.23	16.369		
3,600.0	3,555.1	3,625.2	3,594.0	12.6	10.2	-161.53	-82.4	239.7	284.8	266.9	17.97	15.847		
3,700.0	3,653.3	3,724.8	3,691.4	13.0	10.6	-159.84	-87.5	259.8	288.0	269.2	18.74	15.362		
3,800.0	3,751.5	3,824.4	3,788.8	13.4	11.0	-158.18	-92.5	279.9	291.3	271.8	19.54	14.911		
3,900.0	3,849.7	3,924.0	3,886.2	13.8	11.5	-156.57	-97.6	300.0	295.0	274.6	20.35	14.493		
4,000.0	3,947.9	4,023.5	3,983.6	14.3	11.9	-154.99	-102.6	320.2	298.8	277.6	21.18	14.105		
4,100.0	4,046.0	4,123.1	4,081.0	14.7	12.3	-153.46	-107.6	340.3	302.9	280.8	22.03	13.745		
4,200.0	4,144.2	4,222.7	4,178.4	15.1	12.8	-151.97	-112.7	360.4	307.1	284.2	22.90	13.413		
4,300.0	4,242.4	4,322.3	4,275.8	15.6	13.2	-150.51	-117.7	380.5	311.6	287.8	23.78	13.105		
4,400.0	4,340.6	4,421.9	4,373.2	16.0	13.7	-149.11	-122.8	400.6	316.3	291.6	24.67	12.820		
4,500.0	4,438.8	4,521.5	4,470.6	16.4	14.1	-147.74	-127.8	420.7	321.2	295.6	25.58	12.557		
4,600.0	4,537.0	4,621.1	4,568.0	16.9	14.5	-146.41	-132.9	440.9	326.2	299.7	26.49	12.314		
4,700.0	4,635.1	4,720.7	4,665.4	17.3	15.0	-145.13	-137.9	461.0	331.4	304.0	27.41	12.089		
4,800.0	4,733.3	4,820.3	4,762.8	17.7	15.4	-143.88	-143.0	481.1	336.8	308.5	28.35	11.882		
4,900.0	4,831.5	4,919.9	4,860.2	18.2	15.9	-142.67	-148.0	501.2	342.3	313.0	29.28	11.691		
5,000.0	4,929.7	5,019.4	4,957.6	18.6	16.3	-141.51	-153.1	521.3	348.0	317.8	30.22	11.514		

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

Company:	Synergy Resources	Local Co-ordinate Reference:	Well SRC Eberle 14-32-31NHZM
Project:	SEC.32-T1N-R66W	TVD Reference:	WELL @ 5046.0ft (Ensign Rig #134 - RKB - 13')
Reference Site:	SRC Eberle 14-32-31CHZM Pad Sec.32-T1N-R66W	MD Reference:	WELL @ 5046.0ft (Ensign Rig #134 - RKB - 13')
Site Error:	0.0ft	North Reference:	True
Reference Well:	SRC Eberle 14-32-31NHZM	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 #3 (3-14-14)	Offset TVD Reference:	Offset Datum

Offset Design		SRC Eberle 14-32-31CHZM Pad Sec.32-T1N-R66W - SRC Eberle B-32NHZ - Wellbore #1 - Plan #2 (3-										Offset Site Error:		0.0 ft
Survey Program: 0-MWD												Offset Well Error:		0.0 ft
Reference		Offset		Semi Major Axis			Distance							
Measured Depth	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset	Highside Toolface	Offset Wellbore Centre		Between Centres	Between Ellipses	Minimum Separation	Separation Factor	Warning	
(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(°)	+N/-S (ft)	+E/-W (ft)	(ft)	(ft)	(ft)			
5,100.0	5,027.9	5,119.0	5,055.1	19.0	16.8	-140.38	-158.1	541.4	353.8	322.6	31.17	11.351		
5,200.0	5,126.1	5,218.6	5,152.5	19.4	17.2	-139.28	-163.2	561.5	359.8	327.6	32.12	11.200		
5,300.0	5,224.3	5,318.2	5,249.9	19.9	17.7	-138.23	-168.2	581.7	365.8	332.8	33.08	11.061		
5,400.0	5,322.4	5,417.8	5,347.3	20.3	18.1	-137.20	-173.3	601.8	372.0	338.0	34.03	10.932		
5,500.0	5,420.6	5,517.4	5,444.7	20.7	18.6	-136.22	-178.3	621.9	378.4	343.4	34.99	10.813		
5,600.0	5,518.8	5,617.0	5,542.1	21.2	19.0	-135.26	-183.4	642.0	384.8	348.8	35.95	10.703		
5,700.0	5,617.0	5,716.6	5,639.5	21.6	19.5	-134.34	-188.4	662.1	391.3	354.4	36.91	10.601		
5,800.0	5,715.2	5,816.2	5,736.9	22.0	19.9	-133.44	-193.5	682.2	397.9	360.0	37.87	10.507		
5,900.0	5,813.4	5,915.8	5,834.3	22.5	20.4	-132.58	-198.5	702.4	404.6	365.8	38.83	10.420		
6,000.0	5,911.5	6,015.3	5,931.7	22.9	20.8	-131.74	-203.6	722.5	411.4	371.6	39.79	10.340		
6,100.0	6,009.7	6,113.9	6,028.2	23.3	21.3	-130.95	-208.5	742.3	418.4	377.6	40.72	10.274		
6,200.0	6,108.0	6,209.9	6,122.5	23.7	21.6	-130.53	-212.8	759.3	425.7	384.2	41.46	10.266		
6,300.0	6,206.8	6,305.9	6,217.5	24.0	21.8	-130.27	-216.3	773.3	431.9	389.8	42.07	10.267		
6,400.0	6,306.1	6,402.1	6,313.0	24.2	22.1	-130.07	-219.1	784.2	436.7	394.1	42.58	10.256		
6,500.0	6,405.7	6,500.0	6,410.5	24.4	22.3	-129.92	-221.0	792.1	440.1	397.1	43.01	10.234		
6,600.0	6,505.6	6,594.8	6,505.1	24.6	22.4	-129.83	-222.2	796.7	442.1	398.8	43.34	10.202		
6,700.0	6,605.5	6,691.2	6,601.5	24.7	22.6	0.03	-222.6	798.2	442.7	406.5	36.28	12.205		
6,800.0	6,705.5	6,791.2	6,701.5	24.8	22.7	0.03	-222.6	798.2	442.7	406.2	36.58	12.102		
6,818.7	6,724.3	6,809.9	6,720.3	24.8	22.7	90.04	-222.6	798.2	442.7	398.8	43.92	10.081		
6,900.0	6,805.5	6,891.2	6,801.5	24.9	22.8	90.05	-222.6	797.3	442.7	398.6	44.11	10.037		
7,000.0	6,904.7	6,991.3	6,900.8	24.9	22.8	90.12	-222.6	785.3	442.7	398.6	44.13	10.033		
7,100.0	7,001.1	7,091.5	6,997.6	24.8	22.7	90.19	-222.6	759.7	442.7	398.8	43.92	10.081		
7,200.0	7,092.9	7,191.7	7,089.9	24.7	22.5	90.26	-222.6	720.7	442.7	399.2	43.54	10.169		
7,300.0	7,178.4	7,292.0	7,175.8	24.5	22.3	90.32	-222.6	669.2	442.7	399.6	43.09	10.274		
7,400.0	7,255.9	7,392.4	7,253.8	24.2	22.1	90.37	-222.6	606.2	442.7	400.0	42.70	10.370		
7,500.0	7,323.8	7,492.8	7,322.3	24.0	22.0	90.42	-222.6	532.8	442.7	400.2	42.50	10.417		
7,600.0	7,380.9	7,593.3	7,379.9	23.8	22.0	90.46	-222.6	450.6	442.7	400.1	42.66	10.377		
7,700.0	7,425.9	7,693.8	7,425.4	23.7	22.3	90.49	-222.6	361.0	442.8	399.4	43.32	10.220		
7,800.0	7,458.2	7,794.3	7,458.0	23.8	22.8	90.51	-222.6	266.0	442.8	398.2	44.56	9.937		
7,900.0	7,476.9	7,894.9	7,476.9	24.1	23.7	90.52	-222.6	167.3	442.8	396.4	46.37	9.549		
8,000.0	7,482.0	7,995.4	7,482.0	24.7	24.8	90.52	-222.6	67.1	442.8	394.1	48.67	9.096		
8,100.0	7,482.0	8,095.4	7,482.0	25.8	26.1	90.52	-222.6	-32.9	442.8	391.3	51.46	8.604		
8,200.0	7,482.0	8,195.4	7,482.0	27.2	27.7	90.52	-222.6	-132.9	442.8	388.1	54.68	8.097		
8,300.0	7,482.0	8,295.4	7,482.0	28.9	29.4	90.52	-222.6	-232.9	442.8	384.5	58.26	7.600		
8,400.0	7,482.0	8,395.4	7,482.0	30.8	31.3	90.52	-222.6	-332.9	442.8	380.6	62.14	7.125		
8,500.0	7,482.0	8,495.4	7,482.0	32.9	33.4	90.52	-222.6	-432.9	442.8	376.5	66.27	6.681		
8,600.0	7,482.0	8,595.4	7,482.0	35.1	35.5	90.52	-222.6	-532.9	442.8	372.2	70.60	6.271		
8,700.0	7,482.0	8,695.4	7,482.0	37.4	37.7	90.52	-222.6	-632.9	442.8	367.6	75.10	5.895		
8,800.0	7,482.0	8,795.4	7,482.0	39.7	40.1	90.52	-222.6	-732.9	442.8	363.0	79.75	5.552		
8,900.0	7,482.0	8,895.4	7,482.0	42.1	42.4	90.52	-222.6	-832.9	442.8	358.2	84.51	5.239		
9,000.0	7,482.0	8,995.4	7,482.0	44.6	44.8	90.52	-222.6	-932.9	442.8	353.4	89.36	4.955		
9,100.0	7,482.0	9,095.4	7,482.0	47.0	47.3	90.52	-222.6	-1,032.9	442.8	348.4	94.31	4.695		
9,200.0	7,482.0	9,195.4	7,482.0	49.6	49.8	90.52	-222.6	-1,132.9	442.8	343.4	99.32	4.458		
9,300.0	7,482.0	9,295.4	7,482.0	52.1	52.3	90.52	-222.6	-1,232.9	442.8	338.4	104.39	4.241		
9,400.0	7,482.0	9,395.4	7,482.0	54.7	54.9	90.52	-222.6	-1,332.9	442.8	333.2	109.52	4.043		
9,500.0	7,482.0	9,495.4	7,482.0	57.3	57.5	90.52	-222.6	-1,432.9	442.8	328.1	114.69	3.861		
9,600.0	7,482.0	9,595.4	7,482.0	59.9	60.1	90.52	-222.6	-1,532.9	442.8	322.9	119.90	3.693		
9,700.0	7,482.0	9,695.4	7,482.0	62.5	62.7	90.52	-222.6	-1,632.9	442.8	317.6	125.14	3.538		
9,800.0	7,482.0	9,795.4	7,482.0	65.2	65.3	90.52	-222.6	-1,732.9	442.8	312.3	130.42	3.395		
9,900.0	7,482.0	9,895.4	7,482.0	67.8	68.0	90.52	-222.6	-1,832.9	442.8	307.0	135.72	3.262		

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

Company:	Synergy Resources	Local Co-ordinate Reference:	Well SRC Eberle 14-32-31NHZM
Project:	SEC.32-T1N-R66W	TVD Reference:	WELL @ 5046.0ft (Ensign Rig #134 - RKB - 13')
Reference Site:	SRC Eberle 14-32-31CHZM Pad Sec.32-T1N-R66W	MD Reference:	WELL @ 5046.0ft (Ensign Rig #134 - RKB - 13')
Site Error:	0.0ft	North Reference:	True
Reference Well:	SRC Eberle 14-32-31NHZM	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 #3 (3-14-14)	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.0 ft
Survey Program: 0-MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance							
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning	
10,000.0	7,482.0	9,995.4	7,482.0	70.5	70.6	90.52	-222.6	-1,932.9	442.8	301.7	141.04	3.139		
10,100.0	7,482.0	10,095.4	7,482.0	73.2	73.3	90.52	-222.6	-2,032.9	442.8	296.4	146.39	3.025		
10,200.0	7,482.0	10,195.4	7,482.0	75.9	76.0	90.52	-222.6	-2,132.9	442.8	291.0	151.75	2.918		
10,300.0	7,482.0	10,295.4	7,482.0	78.6	78.6	90.52	-222.6	-2,232.9	442.8	285.6	157.14	2.818		
10,400.0	7,482.0	10,395.4	7,482.0	81.3	81.3	90.52	-222.6	-2,332.9	442.8	280.2	162.53	2.724		
10,500.0	7,482.0	10,495.4	7,482.0	84.0	84.0	90.52	-222.6	-2,432.9	442.8	274.8	167.95	2.636		
10,600.0	7,482.0	10,595.4	7,482.0	86.7	86.8	90.52	-222.6	-2,532.9	442.8	269.4	173.37	2.554		
10,700.0	7,482.0	10,695.4	7,482.0	89.4	89.5	90.52	-222.6	-2,632.9	442.8	263.9	178.80	2.476		
10,800.0	7,482.0	10,795.4	7,482.0	92.1	92.2	90.52	-222.6	-2,732.9	442.8	258.5	184.25	2.403		
10,900.0	7,482.0	10,895.4	7,482.0	94.9	94.9	90.52	-222.6	-2,832.9	442.8	253.0	189.71	2.334		
11,000.0	7,482.0	10,995.4	7,482.0	97.6	97.6	90.52	-222.6	-2,932.9	442.8	247.6	195.17	2.269		
11,100.0	7,482.0	11,095.4	7,482.0	100.3	100.4	90.52	-222.6	-3,032.9	442.8	242.1	200.64	2.207		
11,200.0	7,482.0	11,195.4	7,482.0	103.1	103.1	90.52	-222.6	-3,132.9	442.8	236.6	206.12	2.148		
11,300.0	7,482.0	11,295.4	7,482.0	105.8	105.9	90.52	-222.6	-3,232.9	442.8	231.1	211.61	2.092		
11,400.0	7,482.0	11,395.4	7,482.0	108.6	108.6	90.52	-222.6	-3,332.9	442.8	225.7	217.10	2.039		
11,500.0	7,482.0	11,495.4	7,482.0	111.3	111.3	90.52	-222.6	-3,432.9	442.8	220.2	222.60	1.989		
11,600.0	7,482.0	11,595.4	7,482.0	114.1	114.1	90.52	-222.6	-3,532.9	442.8	214.7	228.10	1.941		
11,700.0	7,482.0	11,695.4	7,482.0	116.8	116.9	90.52	-222.6	-3,632.9	442.8	209.1	233.61	1.895		
11,800.0	7,482.0	11,795.4	7,482.0	119.6	119.6	90.52	-222.6	-3,732.9	442.8	203.6	239.12	1.852		
11,900.0	7,482.0	11,895.4	7,482.0	122.4	122.4	90.52	-222.6	-3,832.9	442.8	198.1	244.64	1.810		
12,000.0	7,482.0	11,995.4	7,482.0	125.1	125.1	90.52	-222.6	-3,932.9	442.8	192.6	250.16	1.770		
12,100.0	7,482.0	12,027.4	7,482.0	127.9	126.0	90.52	-222.6	-3,964.9	447.9	194.1	253.81	1.765 SF		
12,200.0	7,482.0	12,027.4	7,482.0	130.6	126.0	90.52	-222.6	-3,964.9	473.6	217.0	256.57	1.846		
12,300.0	7,482.0	12,027.4	7,482.0	133.4	126.0	90.52	-222.6	-3,964.9	517.5	258.2	259.34	1.996		
12,400.0	7,482.0	12,027.4	7,482.0	136.2	126.0	90.52	-222.6	-3,964.9	575.7	313.6	262.11	2.196		
12,500.0	7,482.0	12,027.4	7,482.0	139.0	126.0	90.52	-222.6	-3,964.9	644.2	379.4	264.88	2.432		
12,600.0	7,482.0	12,027.4	7,482.0	141.7	126.0	90.52	-222.6	-3,964.9	720.2	452.5	267.65	2.691		
12,700.0	7,482.0	12,027.4	7,482.0	144.5	126.0	90.52	-222.6	-3,964.9	801.4	531.0	270.42	2.964		
12,800.0	7,482.0	12,027.4	7,482.0	147.3	126.0	90.52	-222.6	-3,964.9	886.5	613.3	273.20	3.245		
12,900.0	7,482.0	12,027.4	7,482.0	150.0	126.0	90.52	-222.6	-3,964.9	974.4	698.4	275.97	3.531		

Company:	Synergy Resources	Local Co-ordinate Reference:	Well SRC Eberle 14-32-31NHZM
Project:	SEC.32-T1N-R66W	TVD Reference:	WELL @ 5046.0ft (Ensign Rig #134 - RKB - 13')
Reference Site:	SRC Eberle 14-32-31CHZM Pad Sec.32-T1N-R66W	MD Reference:	WELL @ 5046.0ft (Ensign Rig #134 - RKB - 13')
Site Error:	0.0ft	North Reference:	True
Reference Well:	SRC Eberle 14-32-31NHZM	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 #3 (3-14-14)	Offset TVD Reference:	Offset Datum

Offset Design				SRC Eberle 14-32-31CHZM Pad Sec.32-T1N-R66W - SRC Eberle P-32CHZ - Wellbore #1 - Plan #2 (3-										Offset Site Error:		0.0 ft
Survey Program: 0-MWD														Offset Well Error:		0.0 ft
Reference		Offset		Semi Major Axis						Distance						
Measured Depth	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset	Highside Toolface	Offset Wellbore Centre			Between Centres	Between Ellipses	Minimum Separation	Separation Factor	Warning		
Depth (ft)	Depth (ft)	Depth (ft)	Depth (ft)	(ft)	(ft)	(°)	+N/-S (ft)	+E/-W (ft)		(ft)	(ft)	(ft)				
0.0	0.0	0.0	0.0	0.0	0.0	-90.02	0.0	-43.4		43.5						
100.0	100.0	98.0	98.0	0.1	0.1	-90.02	0.0	-43.4		43.4	43.2	0.22	195.139			
200.0	200.0	198.0	198.0	0.3	0.3	-90.02	0.0	-43.4		43.4	42.8	0.67	64.829			
300.0	300.0	298.0	298.0	0.6	0.6	-90.02	0.0	-43.4		43.4	42.3	1.12	38.793			
400.0	400.0	398.0	398.0	0.8	0.8	-90.02	0.0	-43.4		43.4	41.9	1.57	27.678	CC, ES		
500.0	500.0	498.0	498.0	1.0	1.0	140.88	0.0	-43.4		44.1	42.1	2.00	22.081			
600.0	600.0	598.0	598.0	1.2	1.2	142.92	0.0	-43.4		46.2	43.7	2.42	19.107			
700.0	699.9	697.9	697.9	1.4	1.5	145.93	0.0	-43.4		49.7	46.9	2.85	17.467			
800.0	799.7	797.7	797.7	1.6	1.7	149.48	0.0	-43.4		54.9	51.6	3.28	16.711			
900.0	899.4	897.4	897.4	1.9	1.9	153.14	0.0	-43.4		61.8	58.0	3.73	16.575			
1,000.0	998.9	996.9	996.9	2.1	2.1	156.63	0.0	-43.4		70.5	66.3	4.17	16.886			
1,100.0	1,098.3	1,097.5	1,097.5	2.4	2.3	160.01	0.0	-42.6		80.2	75.6	4.61	17.409			
1,200.0	1,197.4	1,198.3	1,198.3	2.7	2.5	163.41	0.0	-40.0		90.2	85.2	5.03	17.936			
1,300.0	1,296.3	1,299.1	1,299.0	3.0	2.8	166.80	0.0	-35.6		100.6	95.2	5.46	18.434			
1,400.0	1,394.9	1,400.0	1,399.7	3.4	3.0	170.17	-0.1	-29.5		111.5	105.6	5.89	18.924			
1,500.0	1,493.3	1,500.9	1,500.2	3.7	3.2	173.48	-0.1	-21.5		122.9	116.5	6.33	19.414			
1,600.0	1,591.4	1,601.9	1,600.8	4.1	3.4	176.70	-0.1	-11.8		134.0	127.2	6.79	19.731			
1,700.0	1,689.6	1,703.0	1,701.3	4.5	3.7	179.87	-0.1	-0.3		144.0	136.8	7.26	19.826			
1,800.0	1,787.8	1,804.3	1,801.6	4.9	4.0	-176.94	-0.2	12.9		153.2	145.4	7.76	19.734			
1,900.0	1,886.0	1,905.5	1,901.8	5.3	4.3	-173.67	-0.2	28.0		161.5	153.2	8.29	19.485			
2,000.0	1,984.2	2,005.4	2,000.3	5.8	4.6	-170.43	-0.3	44.2		169.3	160.5	8.84	19.150			
2,100.0	2,082.4	2,104.7	2,098.2	6.2	4.9	-167.48	-0.3	60.3		177.7	168.2	9.43	18.847			
2,200.0	2,180.5	2,203.9	2,196.2	6.6	5.2	-164.80	-0.4	76.5		186.4	176.4	10.04	18.574			
2,300.0	2,278.7	2,303.2	2,294.1	7.0	5.6	-162.36	-0.4	92.7		195.5	184.9	10.67	18.328			
2,400.0	2,376.9	2,402.4	2,392.0	7.4	5.9	-160.14	-0.5	108.8		205.0	193.6	11.32	18.106			
2,500.0	2,475.1	2,501.7	2,490.0	7.9	6.2	-158.11	-0.5	125.0		214.7	202.7	11.99	17.906			
2,600.0	2,573.3	2,600.9	2,587.9	8.3	6.6	-156.27	-0.6	141.1		224.6	212.0	12.67	17.726			
2,700.0	2,671.5	2,700.2	2,685.8	8.7	6.9	-154.58	-0.6	157.3		234.8	221.4	13.37	17.564			
2,800.0	2,769.7	2,799.4	2,783.7	9.1	7.3	-153.03	-0.7	173.5		245.2	231.1	14.08	17.417			
2,900.0	2,867.8	2,898.7	2,881.7	9.6	7.7	-151.61	-0.7	189.6		255.7	240.9	14.79	17.286			
3,000.0	2,966.0	2,997.9	2,979.6	10.0	8.0	-150.30	-0.8	205.8		266.3	250.8	15.51	17.167			
3,100.0	3,064.2	3,097.2	3,077.5	10.4	8.4	-149.09	-0.8	222.0		277.1	260.9	16.24	17.061			
3,200.0	3,162.4	3,196.4	3,175.4	10.8	8.7	-147.98	-0.9	238.1		288.0	271.1	16.98	16.964			
3,300.0	3,260.6	3,295.7	3,273.4	11.3	9.1	-146.94	-0.9	254.3		299.0	281.3	17.72	16.878			
3,400.0	3,358.8	3,394.9	3,371.3	11.7	9.5	-145.98	-0.9	270.4		310.1	291.7	18.46	16.799			
3,500.0	3,456.9	3,494.2	3,469.2	12.1	9.8	-145.08	-1.0	286.6		321.3	302.1	19.21	16.728			
3,600.0	3,555.1	3,593.4	3,567.2	12.6	10.2	-144.25	-1.0	302.8		332.6	312.6	19.96	16.663			
3,700.0	3,653.3	3,692.7	3,665.1	13.0	10.6	-143.47	-1.1	318.9		343.9	323.2	20.71	16.605			
3,800.0	3,751.5	3,791.9	3,763.0	13.4	10.9	-142.74	-1.1	335.1		355.3	333.8	21.46	16.551			
3,900.0	3,849.7	3,891.2	3,860.9	13.8	11.3	-142.05	-1.2	351.3		366.7	344.5	22.22	16.502			
4,000.0	3,947.9	3,990.4	3,958.9	14.3	11.7	-141.41	-1.2	367.4		378.2	355.2	22.98	16.458			
4,100.0	4,046.0	4,089.7	4,056.8	14.7	12.0	-140.80	-1.3	383.6		389.7	365.9	23.74	16.417			
4,200.0	4,144.2	4,189.0	4,154.7	15.1	12.4	-140.23	-1.3	399.7		401.2	376.7	24.50	16.380			
4,300.0	4,242.4	4,288.2	4,252.6	15.6	12.8	-139.69	-1.4	415.9		412.8	387.6	25.26	16.346			
4,400.0	4,340.6	4,387.5	4,350.6	16.0	13.2	-139.18	-1.4	432.1		424.5	398.4	26.02	16.315			
4,500.0	4,438.8	4,486.7	4,448.5	16.4	13.5	-138.70	-1.5	448.2		436.1	409.3	26.78	16.286			
4,600.0	4,537.0	4,586.0	4,546.4	16.9	13.9	-138.24	-1.5	464.4		447.8	420.3	27.54	16.259			
4,700.0	4,635.1	4,685.2	4,644.4	17.3	14.3	-137.81	-1.6	480.6		459.5	431.2	28.31	16.234			
4,800.0	4,733.3	4,784.5	4,742.3	17.7	14.7	-137.39	-1.6	496.7		471.3	442.2	29.07	16.212			
4,900.0	4,831.5	4,883.7	4,840.2	18.2	15.0	-137.00	-1.7	512.9		483.0	453.2	29.84	16.190			
5,000.0	4,929.7	4,983.0	4,938.1	18.6	15.4	-136.63	-1.7	529.0		494.8	464.2	30.60	16.171			

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

Company:	Synergy Resources	Local Co-ordinate Reference:	Well SRC Eberle 14-32-31NHZM
Project:	SEC.32-T1N-R66W	TVD Reference:	WELL @ 5046.0ft (Ensign Rig #134 - RKB - 13')
Reference Site:	SRC Eberle 14-32-31CHZM Pad Sec.32-T1N-R66W	MD Reference:	WELL @ 5046.0ft (Ensign Rig #134 - RKB - 13')
Site Error:	0.0ft	North Reference:	True
Reference Well:	SRC Eberle 14-32-31NHZM	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 #3 (3-14-14)	Offset TVD Reference:	Offset Datum

Offset Design		SRC Eberle 14-32-31CHZM Pad Sec.32-T1N-R66W - SRC Eberle P-32CHZ - Wellbore #1 - Plan #2 (3-										Offset Site Error:		0.0 ft
Survey Program: 0-MWD												Offset Well Error:		0.0 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,100.0	5,027.9	5,082.2	5,036.1	19.0	15.8	-136.27	-1.8	545.2	506.6	475.3	31.37	16.153		
5,200.0	5,126.1	5,181.5	5,134.0	19.4	16.2	-135.93	-1.8	561.4	518.5	486.3	32.13	16.136		
5,300.0	5,224.3	5,280.7	5,231.9	19.9	16.5	-135.61	-1.9	577.5	530.3	497.4	32.90	16.120		
5,400.0	5,322.4	5,380.0	5,329.8	20.3	16.9	-135.29	-1.9	593.7	542.2	508.5	33.66	16.106		
5,500.0	5,420.6	5,479.2	5,427.8	20.7	17.3	-135.00	-2.0	609.9	554.0	519.6	34.43	16.092		
5,600.0	5,518.8	5,578.5	5,525.7	21.2	17.7	-134.71	-2.0	626.0	565.9	530.7	35.20	16.079		
5,700.0	5,617.0	5,677.7	5,623.6	21.6	18.0	-134.44	-2.1	642.2	577.8	541.9	35.96	16.067		
5,800.0	5,715.2	5,777.0	5,721.6	22.0	18.4	-134.18	-2.1	658.3	589.8	553.0	36.73	16.056		
5,900.0	5,813.4	5,876.2	5,819.5	22.5	18.8	-133.92	-2.2	674.5	601.7	564.2	37.50	16.046		
6,000.0	5,911.5	5,975.5	5,917.4	22.9	19.2	-133.68	-2.2	690.7	613.6	575.4	38.26	16.036		
6,100.0	6,009.7	6,074.7	6,015.3	23.3	19.5	-133.45	-2.2	706.8	625.6	586.5	39.03	16.027		
6,200.0	6,108.0	6,174.0	6,113.3	23.7	19.9	-133.28	-2.3	723.0	637.2	597.4	39.79	16.012		
6,300.0	6,206.8	6,273.4	6,211.4	24.0	20.3	-132.97	-2.3	739.2	646.7	606.2	40.51	15.965		
6,400.0	6,306.1	6,372.9	6,309.5	24.2	20.7	-132.42	-2.4	755.4	654.0	612.8	41.22	15.865		
6,500.0	6,405.7	6,471.6	6,407.1	24.4	21.0	-131.72	-2.4	770.5	659.0	617.2	41.83	15.754		
6,600.0	6,505.6	6,570.5	6,505.3	24.6	21.2	-131.06	-2.5	782.4	662.0	619.7	42.34	15.636		
6,700.0	6,605.5	6,669.8	6,604.2	24.7	21.4	-0.62	-2.5	790.9	662.8	627.0	35.84	18.492		
6,800.0	6,705.5	6,769.5	6,703.7	24.8	21.6	-0.18	-2.5	796.0	662.8	626.7	36.08	18.370		
6,879.2	6,784.7	6,848.5	6,782.7	24.9	21.7	90.11	-2.5	797.5	662.8	619.4	43.39	15.276		
6,900.0	6,805.5	6,869.3	6,803.5	24.9	21.7	90.06	-2.5	797.6	662.8	619.4	43.43	15.260		
7,000.0	6,904.7	6,968.5	6,902.7	24.9	21.9	91.12	-2.5	797.6	662.9	619.2	43.72	15.161		
7,100.0	7,001.1	7,068.8	7,002.9	24.8	22.0	92.98	-2.5	793.4	663.7	619.8	43.93	15.109		
7,200.0	7,092.9	7,173.1	7,105.4	24.7	21.9	94.85	-2.5	774.7	665.3	621.4	43.87	15.166		
7,300.0	7,178.4	7,281.1	7,207.5	24.5	21.8	96.65	-2.5	739.8	667.5	623.9	43.56	15.323		
7,400.0	7,255.9	7,393.1	7,306.6	24.2	21.5	98.35	-2.5	688.0	670.1	627.0	43.10	15.548		
7,500.0	7,323.8	7,508.9	7,399.3	24.0	21.3	99.89	-2.5	618.7	673.1	630.4	42.63	15.789		
7,600.0	7,380.9	7,628.6	7,482.1	23.8	21.1	101.23	-2.5	532.5	676.0	633.6	42.35	15.960		
7,700.0	7,425.9	7,751.8	7,551.1	23.7	21.3	102.32	-2.5	430.6	678.6	636.1	42.51	15.962		
7,800.0	7,458.2	7,877.9	7,602.6	23.8	21.8	103.12	-2.5	315.7	680.7	637.3	43.36	15.697		
7,900.0	7,476.9	8,006.0	7,633.5	24.1	22.8	103.60	-2.5	191.5	681.9	636.9	45.00	15.154		
8,000.0	7,482.0	8,130.9	7,642.0	24.7	24.2	103.74	-2.5	67.1	682.3	634.9	47.39	14.399		
8,100.0	7,482.0	8,230.9	7,642.0	25.8	25.5	103.74	-2.5	-32.9	682.3	632.2	50.12	13.613		
8,200.0	7,482.0	8,330.9	7,642.0	27.2	27.1	103.74	-2.5	-132.9	682.3	629.0	53.26	12.810		
8,300.0	7,482.0	8,430.9	7,642.0	28.9	28.9	103.74	-2.5	-232.9	682.3	625.5	56.75	12.022		
8,400.0	7,482.0	8,530.9	7,642.0	30.8	30.8	103.74	-2.5	-332.9	682.3	621.8	60.54	11.270		
8,500.0	7,482.0	8,630.9	7,642.0	32.9	32.9	103.74	-2.5	-432.9	682.3	617.7	64.56	10.568		
8,600.0	7,482.0	8,730.9	7,642.0	35.1	35.1	103.74	-2.5	-532.9	682.3	613.5	68.79	9.919		
8,700.0	7,482.0	8,830.9	7,642.0	37.4	37.3	103.74	-2.5	-632.9	682.3	609.1	73.17	9.325		
8,800.0	7,482.0	8,930.9	7,642.0	39.7	39.6	103.74	-2.5	-732.9	682.3	604.6	77.69	8.782		
8,900.0	7,482.0	9,030.9	7,642.0	42.1	42.0	103.74	-2.5	-832.9	682.3	600.0	82.33	8.287		
9,000.0	7,482.0	9,130.9	7,642.0	44.6	44.4	103.74	-2.5	-932.9	682.3	595.2	87.06	7.837		
9,100.0	7,482.0	9,230.9	7,642.0	47.0	46.9	103.74	-2.5	-1,032.9	682.3	590.4	91.87	7.427		
9,200.0	7,482.0	9,330.9	7,642.0	49.6	49.4	103.74	-2.5	-1,132.9	682.3	585.5	96.75	7.052		
9,300.0	7,482.0	9,430.9	7,642.0	52.1	52.0	103.74	-2.5	-1,232.9	682.3	580.6	101.69	6.709		
9,400.0	7,482.0	9,530.9	7,642.0	54.7	54.5	103.74	-2.5	-1,332.9	682.3	575.6	106.68	6.396		
9,500.0	7,482.0	9,630.9	7,642.0	57.3	57.1	103.74	-2.5	-1,432.9	682.3	570.6	111.71	6.108		
9,600.0	7,482.0	9,730.9	7,642.0	59.9	59.7	103.74	-2.5	-1,532.9	682.3	565.5	116.78	5.842		
9,700.0	7,482.0	9,830.9	7,642.0	62.5	62.3	103.74	-2.5	-1,632.9	682.3	560.4	121.89	5.598		
9,800.0	7,482.0	9,930.9	7,642.0	65.2	65.0	103.74	-2.5	-1,732.9	682.3	555.3	127.02	5.371		
9,900.0	7,482.0	10,030.9	7,642.0	67.8	67.6	103.74	-2.5	-1,832.9	682.3	550.1	132.18	5.162		

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

Company:	Synergy Resources	Local Co-ordinate Reference:	Well SRC Eberle 14-32-31NHZM
Project:	SEC.32-T1N-R66W	TVD Reference:	WELL @ 5046.0ft (Ensign Rig #134 - RKB - 13')
Reference Site:	SRC Eberle 14-32-31CHZM Pad Sec.32-T1N-R66W	MD Reference:	WELL @ 5046.0ft (Ensign Rig #134 - RKB - 13')
Site Error:	0.0ft	North Reference:	True
Reference Well:	SRC Eberle 14-32-31NHZM	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 #3 (3-14-14)	Offset TVD Reference:	Offset Datum

Offset Design		SRC Eberle 14-32-31CHZM Pad Sec.32-T1N-R66W - SRC Eberle P-32CHZ - Wellbore #1 - Plan #2 (3-										Offset Site Error:		0.0 ft
Survey Program: 0-MWD												Offset Well Error:		0.0 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)		+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	
10,000.0	7,482.0	10,130.9	7,642.0	70.5	70.3	103.74	-2.5	-1,932.9	682.3	544.9	137.37	4.967		
10,100.0	7,482.0	10,230.9	7,642.0	73.2	73.0	103.74	-2.5	-2,032.9	682.3	539.7	142.57	4.786		
10,200.0	7,482.0	10,330.9	7,642.0	75.9	75.6	103.74	-2.5	-2,132.9	682.3	534.5	147.79	4.617		
10,300.0	7,482.0	10,430.9	7,642.0	78.6	78.3	103.74	-2.5	-2,232.9	682.3	529.3	153.03	4.459		
10,400.0	7,482.0	10,530.9	7,642.0	81.3	81.0	103.74	-2.5	-2,332.9	682.3	524.0	158.28	4.311		
10,500.0	7,482.0	10,630.9	7,642.0	84.0	83.7	103.74	-2.5	-2,432.9	682.3	518.7	163.55	4.172		
10,600.0	7,482.0	10,730.9	7,642.0	86.7	86.4	103.74	-2.5	-2,532.9	682.3	513.5	168.83	4.041		
10,700.0	7,482.0	10,830.9	7,642.0	89.4	89.2	103.74	-2.5	-2,632.9	682.3	508.2	174.11	3.919		
10,800.0	7,482.0	10,930.9	7,642.0	92.1	91.9	103.74	-2.5	-2,732.9	682.3	502.9	179.41	3.803		
10,900.0	7,482.0	11,030.9	7,642.0	94.9	94.6	103.74	-2.5	-2,832.9	682.3	497.6	184.72	3.694		
11,000.0	7,482.0	11,130.9	7,642.0	97.6	97.3	103.74	-2.5	-2,932.9	682.3	492.2	190.04	3.590		
11,100.0	7,482.0	11,230.9	7,642.0	100.3	100.1	103.74	-2.6	-3,032.9	682.3	486.9	195.36	3.492		
11,200.0	7,482.0	11,330.9	7,642.0	103.1	102.8	103.74	-2.6	-3,132.9	682.3	481.6	200.70	3.400		
11,300.0	7,482.0	11,430.9	7,642.0	105.8	105.6	103.74	-2.6	-3,232.9	682.3	476.3	206.03	3.312		
11,400.0	7,482.0	11,530.9	7,642.0	108.6	108.3	103.74	-2.6	-3,332.9	682.3	470.9	211.38	3.228		
11,500.0	7,482.0	11,630.9	7,642.0	111.3	111.1	103.74	-2.6	-3,432.9	682.3	465.6	216.73	3.148		
11,600.0	7,482.0	11,730.9	7,642.0	114.1	113.8	103.74	-2.6	-3,532.9	682.3	460.2	222.08	3.072		
11,700.0	7,482.0	11,830.9	7,642.0	116.8	116.6	103.74	-2.6	-3,632.9	682.3	454.8	227.44	3.000		
11,800.0	7,482.0	11,930.9	7,642.0	119.6	119.3	103.74	-2.6	-3,732.9	682.3	449.5	232.81	2.931		
11,900.0	7,482.0	12,030.9	7,642.0	122.4	122.1	103.74	-2.6	-3,832.9	682.3	444.1	238.18	2.865		
12,000.0	7,482.0	12,130.9	7,642.0	125.1	124.8	103.74	-2.6	-3,932.9	682.3	438.7	243.55	2.801		
12,005.0	7,482.0	12,136.0	7,642.0	125.3	125.0	103.74	-2.6	-3,938.0	682.3	438.5	243.82	2.798		
12,100.0	7,482.0	12,162.6	7,642.0	127.9	125.7	103.74	-2.6	-3,964.6	685.7	438.6	247.09	2.775 SF		
12,200.0	7,482.0	12,162.6	7,642.0	130.6	125.7	103.74	-2.6	-3,964.6	702.7	453.0	249.78	2.813		
12,300.0	7,482.0	12,162.6	7,642.0	133.4	125.7	103.74	-2.6	-3,964.6	733.1	480.7	252.47	2.904		
12,400.0	7,482.0	12,162.6	7,642.0	136.2	125.7	103.74	-2.6	-3,964.6	775.3	520.2	255.16	3.039		
12,500.0	7,482.0	12,162.6	7,642.0	139.0	125.7	103.74	-2.6	-3,964.6	827.5	569.7	257.86	3.209		
12,600.0	7,482.0	12,162.6	7,642.0	141.7	125.7	103.74	-2.6	-3,964.6	888.0	627.4	260.55	3.408		
12,700.0	7,482.0	12,162.6	7,642.0	144.5	125.7	103.74	-2.6	-3,964.6	955.1	691.8	263.25	3.628		

Company:	Synergy Resources	Local Co-ordinate Reference:	Well SRC Eberle 14-32-31NHZM
Project:	SEC.32-T1N-R66W	TVD Reference:	WELL @ 5046.0ft (Ensign Rig #134 - RKB - 13')
Reference Site:	SRC Eberle 14-32-31CHZM Pad Sec.32-T1N-R66W	MD Reference:	WELL @ 5046.0ft (Ensign Rig #134 - RKB - 13')
Site Error:	0.0ft	North Reference:	True
Reference Well:	SRC Eberle 14-32-31NHZM	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 #3 (3-14-14)	Offset TVD Reference:	Offset Datum

Survey Design													Offset Site Error:		0.0 ft
Survey Program: 0-MWD													Offset Well Error:		0.0 ft
Reference		Offset		Semi Major Axis			Distance								
Measured Depth	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset	Highside Toolface	Offset Wellbore Centre		Between Centres	Between Ellipses	Minimum Separation	Separation Factor	Warning		
Depth (ft)	Depth (ft)	Depth (ft)	Depth (ft)	(ft)	(ft)	(°)	+N/-S (ft)	+E/-W (ft)	(ft)	(ft)	(ft)				
0.0	0.0	0.0	0.0	0.0	0.0	-90.00	0.0	-20.7	20.8						
100.0	100.0	99.0	99.0	0.1	0.1	-90.00	0.0	-20.7	20.7	20.5	0.22	92.696			
200.0	200.0	199.0	199.0	0.3	0.3	-90.00	0.0	-20.7	20.7	20.1	0.67	30.847			
300.0	300.0	299.0	299.0	0.6	0.6	-90.00	0.0	-20.7	20.7	19.6	1.12	18.484			
400.0	400.0	399.0	399.0	0.8	0.8	-90.00	0.0	-20.7	20.7	19.2	1.57	13.195	CC, ES		
500.0	500.0	499.0	499.0	1.0	1.0	141.67	0.0	-20.7	21.4	19.4	2.00	10.708			
600.0	600.0	599.0	599.0	1.2	1.2	145.62	0.0	-20.7	23.5	21.1	2.42	9.726			
700.0	699.9	698.9	698.9	1.4	1.5	150.79	0.0	-20.7	27.2	24.4	2.85	9.562			
800.0	799.7	798.7	798.7	1.6	1.7	155.99	0.0	-20.7	32.7	29.4	3.28	9.956			
900.0	899.4	899.5	899.4	1.9	1.9	162.07	0.4	-19.1	38.6	34.9	3.71	10.398			
1,000.0	998.9	1,000.3	1,000.1	2.1	2.1	170.08	1.8	-14.0	44.0	39.8	4.14	10.632			
1,100.0	1,098.3	1,100.9	1,100.3	2.4	2.3	179.54	4.1	-5.5	49.6	45.0	4.57	10.846			
1,200.0	1,197.4	1,201.1	1,199.8	2.7	2.6	-170.17	7.2	6.4	56.4	51.4	5.05	11.180			
1,300.0	1,296.3	1,300.6	1,298.1	3.0	2.9	-160.25	11.1	21.0	65.4	59.8	5.58	11.718			
1,400.0	1,394.9	1,399.5	1,395.8	3.4	3.2	-153.15	15.1	36.0	77.3	71.1	6.16	12.542			
1,500.0	1,493.3	1,498.2	1,493.3	3.7	3.5	-148.53	19.0	50.9	91.5	84.7	6.77	13.505			
1,600.0	1,591.4	1,596.9	1,590.8	4.1	3.8	-145.45	23.0	65.8	106.7	99.3	7.42	14.393			
1,700.0	1,689.6	1,695.6	1,688.3	4.5	4.1	-143.14	26.9	80.7	122.2	114.1	8.07	15.138			
1,800.0	1,787.8	1,794.3	1,785.8	4.9	4.5	-141.36	30.9	95.7	137.8	129.1	8.74	15.766			
1,900.0	1,886.0	1,893.0	1,883.2	5.3	4.8	-139.93	34.9	110.6	153.6	144.1	9.42	16.299			
2,000.0	1,984.2	1,991.7	1,980.7	5.8	5.1	-138.77	38.8	125.5	169.4	159.3	10.11	16.756			
2,100.0	2,082.4	2,090.4	2,078.2	6.2	5.5	-137.81	42.8	140.4	185.2	174.4	10.80	17.150			
2,200.0	2,180.5	2,189.1	2,175.7	6.6	5.8	-137.00	46.8	155.4	201.1	189.6	11.50	17.494			
2,300.0	2,278.7	2,287.8	2,273.1	7.0	6.2	-136.31	50.7	170.3	217.1	204.9	12.20	17.795			
2,400.0	2,376.9	2,386.4	2,370.6	7.4	6.5	-135.72	54.7	185.2	233.0	220.1	12.90	18.060			
2,500.0	2,475.1	2,485.1	2,468.1	7.9	6.9	-135.20	58.7	200.1	249.0	235.4	13.61	18.296			
2,600.0	2,573.3	2,583.8	2,565.6	8.3	7.2	-134.74	62.6	215.1	265.0	250.7	14.32	18.507			
2,700.0	2,671.5	2,682.5	2,663.0	8.7	7.6	-134.34	66.6	230.0	281.0	266.0	15.03	18.696			
2,800.0	2,769.7	2,781.2	2,760.5	9.1	8.0	-133.97	70.5	244.9	297.1	281.3	15.75	18.867			
2,900.0	2,867.8	2,879.9	2,858.0	9.6	8.3	-133.65	74.5	259.8	313.1	296.6	16.46	19.022			
3,000.0	2,966.0	2,978.6	2,955.5	10.0	8.7	-133.36	78.5	274.8	329.2	312.0	17.18	19.163			
3,100.0	3,064.2	3,077.3	3,052.9	10.4	9.0	-133.09	82.4	289.7	345.2	327.3	17.89	19.292			
3,200.0	3,162.4	3,176.0	3,150.4	10.8	9.4	-132.85	86.4	304.6	361.3	342.7	18.61	19.410			
3,300.0	3,260.6	3,274.7	3,247.9	11.3	9.8	-132.63	90.4	319.5	377.3	358.0	19.33	19.519			
3,400.0	3,358.8	3,373.4	3,345.3	11.7	10.1	-132.43	94.3	334.5	393.4	373.4	20.05	19.620			
3,500.0	3,456.9	3,472.0	3,442.8	12.1	10.5	-132.24	98.3	349.4	409.5	388.7	20.77	19.713			
3,600.0	3,555.1	3,570.7	3,540.3	12.6	10.8	-132.07	102.3	364.3	425.6	404.1	21.50	19.799			
3,700.0	3,653.3	3,669.4	3,637.8	13.0	11.2	-131.90	106.2	379.2	441.7	419.5	22.22	19.879			
3,800.0	3,751.5	3,768.1	3,735.2	13.4	11.6	-131.76	110.2	394.2	457.8	434.8	22.94	19.954			
3,900.0	3,849.7	3,866.8	3,832.7	13.8	11.9	-131.62	114.1	409.1	473.9	450.2	23.66	20.024			
4,000.0	3,947.9	3,965.5	3,930.2	14.3	12.3	-131.49	118.1	424.0	489.9	465.6	24.39	20.090			
4,100.0	4,046.0	4,064.2	4,027.7	14.7	12.6	-131.36	122.1	438.9	506.0	480.9	25.11	20.151			
4,200.0	4,144.2	4,162.9	4,125.1	15.1	13.0	-131.25	126.0	453.9	522.1	496.3	25.84	20.209			
4,300.0	4,242.4	4,261.6	4,222.6	15.6	13.4	-131.14	130.0	468.8	538.2	511.7	26.56	20.264			
4,400.0	4,340.6	4,360.3	4,320.1	16.0	13.7	-131.04	134.0	483.7	554.3	527.1	27.29	20.315			
4,500.0	4,438.8	4,458.9	4,417.6	16.4	14.1	-130.95	137.9	498.6	570.4	542.4	28.01	20.364			
4,600.0	4,537.0	4,557.6	4,515.0	16.9	14.5	-130.86	141.9	513.6	586.6	557.8	28.74	20.410			
4,700.0	4,635.1	4,656.3	4,612.5	17.3	14.8	-130.77	145.9	528.5	602.7	573.2	29.46	20.454			
4,800.0	4,733.3	4,755.0	4,710.0	17.7	15.2	-130.69	149.8	543.4	618.8	588.6	30.19	20.495			
4,900.0	4,831.5	4,853.7	4,807.5	18.2	15.6	-130.61	153.8	558.3	634.9	604.0	30.92	20.534			
5,000.0	4,929.7	4,952.4	4,904.9	18.6	15.9	-130.54	157.7	573.3	651.0	619.3	31.64	20.572			

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

Company:	Synergy Resources	Local Co-ordinate Reference:	Well SRC Eberle 14-32-31NHZM
Project:	SEC.32-T1N-R66W	TVD Reference:	WELL @ 5046.0ft (Ensign Rig #134 - RKB - 13')
Reference Site:	SRC Eberle 14-32-31CHZM Pad Sec.32-T1N-R66W	MD Reference:	WELL @ 5046.0ft (Ensign Rig #134 - RKB - 13')
Site Error:	0.0ft	North Reference:	True
Reference Well:	SRC Eberle 14-32-31NHZM	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 #3 (3-14-14)	Offset TVD Reference:	Offset Datum

Offset Design		SRC Eberle 14-32-31CHZM Pad Sec.32-T1N-R66W - SRC Eberle P-32NHZ - Wellbore #1 - Plan #2 (3-										Offset Site Error:		0.0 ft
Survey Program: 0-MWD												Offset Well Error:		0.0 ft
Reference		Offset		Semi Major Axis			Distance							
Measured Depth	Vertical	Measured	Vertical	Reference	Offset	Highside	Offset Wellbore Centre		Between	Between	Minimum	Separation	Warning	
Depth (ft)	Depth (ft)	Depth (ft)	Depth (ft)	(ft)	(ft)	Toolface (°)	+N/-S (ft)	+E/-W (ft)	Centres (ft)	Ellipses (ft)	Separation (ft)	Factor		
5,100.0	5,027.9	5,051.1	5,002.4	19.0	16.3	-130.47	161.7	588.2	667.1	634.7	32.37	20.607		
5,200.0	5,126.1	5,149.8	5,099.9	19.4	16.6	-130.41	165.7	603.1	683.2	650.1	33.10	20.641		
5,300.0	5,224.3	5,248.5	5,197.4	19.9	17.0	-130.34	169.6	618.0	699.3	665.5	33.83	20.674		
5,400.0	5,322.4	5,347.2	5,294.8	20.3	17.4	-130.28	173.6	633.0	715.4	680.9	34.55	20.705		
5,500.0	5,420.6	5,445.9	5,392.3	20.7	17.7	-130.22	177.6	647.9	731.6	696.3	35.28	20.734		
5,600.0	5,518.8	5,544.5	5,489.8	21.2	18.1	-130.17	181.5	662.8	747.7	711.7	36.01	20.763		
5,700.0	5,617.0	5,643.2	5,587.3	21.6	18.5	-130.12	185.5	677.7	763.8	727.0	36.74	20.790		
5,800.0	5,715.2	5,741.9	5,684.7	22.0	18.8	-130.07	189.5	692.7	779.9	742.4	37.47	20.816		
5,900.0	5,813.4	5,840.6	5,782.2	22.5	19.2	-130.02	193.4	707.6	796.0	757.8	38.19	20.841		
6,000.0	5,911.5	5,939.3	5,879.7	22.9	19.6	-129.97	197.4	722.5	812.1	773.2	38.92	20.865		
6,100.0	6,009.7	6,038.0	5,977.2	23.3	19.9	-129.93	201.3	737.4	828.3	788.6	39.65	20.888		
6,200.0	6,108.0	6,136.7	6,074.7	23.7	20.3	-129.98	205.3	752.4	844.1	803.7	40.38	20.904		
6,300.0	6,206.8	6,237.4	6,174.1	24.0	20.6	-129.97	209.3	767.5	857.9	816.9	41.04	20.906		
6,400.0	6,306.1	6,344.8	6,280.6	24.2	20.9	-129.90	212.9	781.0	868.9	827.3	41.60	20.888		
6,500.0	6,405.7	6,452.8	6,388.2	24.4	21.2	-129.84	215.5	790.7	876.7	834.7	42.05	20.851		
6,600.0	6,505.6	6,561.2	6,496.4	24.6	21.4	-129.81	217.0	796.5	881.4	839.0	42.41	20.782		
6,700.0	6,605.5	6,669.4	6,604.5	24.7	21.5	0.02	217.5	798.3	882.8	846.6	36.16	24.411		
6,800.0	6,705.5	6,769.4	6,704.5	24.8	21.7	0.02	217.5	798.3	882.8	846.3	36.48	24.201		
6,900.0	6,805.5	6,869.4	6,804.5	24.9	21.8	90.02	217.5	797.2	882.8	839.6	43.22	20.427		
7,000.0	6,904.7	6,969.5	6,903.8	24.9	21.8	90.03	217.5	784.9	882.8	839.6	43.23	20.422		
7,100.0	7,001.1	7,069.5	7,000.3	24.8	21.7	90.04	217.5	758.8	882.8	839.8	43.01	20.525		
7,200.0	7,092.9	7,169.6	7,092.3	24.7	21.5	90.05	217.5	719.5	882.8	840.2	42.63	20.709		
7,300.0	7,178.4	7,269.7	7,177.9	24.5	21.3	90.05	217.5	667.8	882.8	840.6	42.17	20.933		
7,400.0	7,255.9	7,369.9	7,255.5	24.2	21.0	90.06	217.5	604.7	882.8	841.0	41.77	21.137		
7,500.0	7,323.8	7,470.0	7,323.5	24.0	20.9	90.06	217.5	531.4	882.8	841.2	41.56	21.242		
7,600.0	7,380.9	7,570.1	7,380.7	23.8	20.9	90.06	217.5	449.3	882.8	841.1	41.72	21.163		
7,700.0	7,425.9	7,670.3	7,425.9	23.7	21.2	90.07	217.5	360.0	882.8	840.4	42.37	20.835		
7,800.0	7,458.2	7,770.4	7,458.2	23.8	21.8	90.07	217.5	265.3	882.8	839.2	43.61	20.243		
7,900.0	7,476.9	7,870.6	7,476.9	24.1	22.6	90.07	217.5	167.0	882.8	837.4	45.44	19.429		
8,000.0	7,482.0	7,970.7	7,482.0	24.7	23.8	90.06	217.5	67.1	882.8	835.0	47.77	18.479		
8,100.0	7,482.0	8,070.7	7,482.0	25.8	25.2	90.06	217.5	-32.9	882.8	832.2	50.61	17.444		
8,200.0	7,482.0	8,170.7	7,482.0	27.2	26.8	90.06	217.5	-132.9	882.8	828.9	53.86	16.391		
8,300.0	7,482.0	8,270.7	7,482.0	28.9	28.6	90.06	217.5	-232.9	882.8	825.3	57.47	15.360		
8,400.0	7,482.0	8,370.7	7,482.0	30.8	30.6	90.06	217.5	-332.9	882.8	821.4	61.39	14.380		
8,500.0	7,482.0	8,470.7	7,482.0	32.9	32.7	90.06	217.5	-432.9	882.8	817.2	65.55	13.467		
8,600.0	7,482.0	8,570.7	7,482.0	35.1	34.8	90.06	217.5	-532.9	882.8	812.9	69.92	12.626		
8,700.0	7,482.0	8,670.7	7,482.0	37.4	37.1	90.06	217.5	-632.9	882.8	808.4	74.45	11.858		
8,800.0	7,482.0	8,770.7	7,482.0	39.7	39.4	90.06	217.5	-732.9	882.8	803.7	79.12	11.158		
8,900.0	7,482.0	8,870.7	7,482.0	42.1	41.8	90.06	217.5	-832.9	882.8	798.9	83.91	10.521		
9,000.0	7,482.0	8,970.7	7,482.0	44.6	44.3	90.06	217.5	-932.9	882.8	794.0	88.79	9.943		
9,100.0	7,482.0	9,070.7	7,482.0	47.0	46.8	90.06	217.5	-1,032.9	882.8	789.1	93.75	9.416		
9,200.0	7,482.0	9,170.7	7,482.0	49.6	49.3	90.06	217.5	-1,132.9	882.8	784.0	98.78	8.937		
9,300.0	7,482.0	9,270.7	7,482.0	52.1	51.8	90.06	217.5	-1,232.9	882.8	778.9	103.88	8.499		
9,400.0	7,482.0	9,370.7	7,482.0	54.7	54.4	90.06	217.5	-1,332.9	882.8	773.8	109.02	8.098		
9,500.0	7,482.0	9,470.7	7,482.0	57.3	57.0	90.06	217.5	-1,432.9	882.8	768.6	114.21	7.730		
9,600.0	7,482.0	9,570.7	7,482.0	59.9	59.6	90.06	217.5	-1,532.9	882.8	763.4	119.43	7.392		
9,700.0	7,482.0	9,670.7	7,482.0	62.5	62.2	90.06	217.5	-1,632.9	882.8	758.1	124.69	7.080		
9,800.0	7,482.0	9,770.7	7,482.0	65.2	64.9	90.06	217.5	-1,732.9	882.8	752.8	129.98	6.792		
9,900.0	7,482.0	9,870.7	7,482.0	67.8	67.5	90.06	217.5	-1,832.9	882.8	747.5	135.29	6.525		
10,000.0	7,482.0	9,970.7	7,482.0	70.5	70.2	90.06	217.5	-1,932.9	882.8	742.2	140.62	6.278		

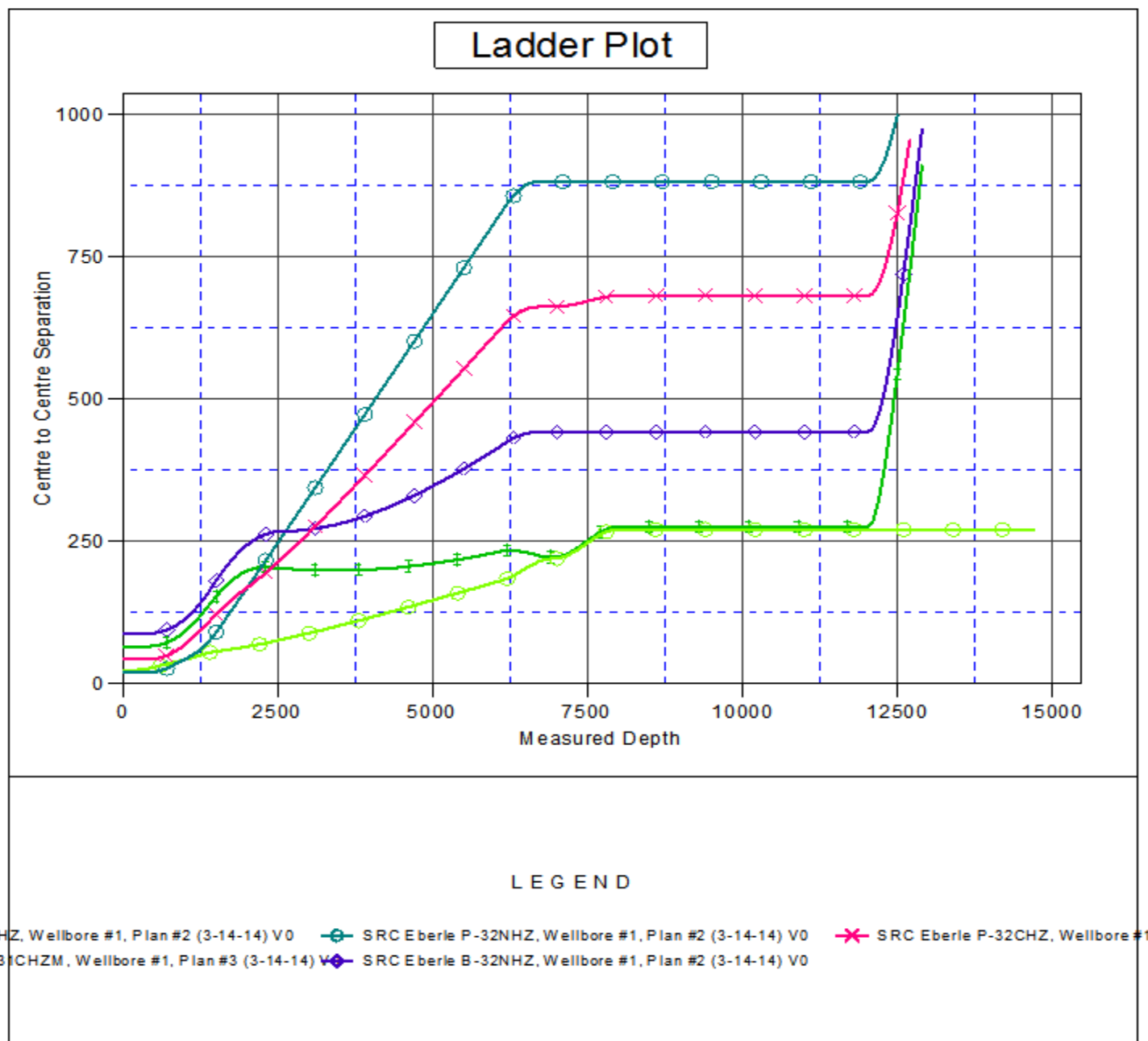
CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources	Local Co-ordinate Reference:	Well SRC Eberle 14-32-31NHZM
Project:	SEC.32-T1N-R66W	TVD Reference:	WELL @ 5046.0ft (Ensign Rig #134 - RKB - 13')
Reference Site:	SRC Eberle 14-32-31CHZM Pad Sec.32-T1N-R66W	MD Reference:	WELL @ 5046.0ft (Ensign Rig #134 - RKB - 13')
Site Error:	0.0ft	North Reference:	True
Reference Well:	SRC Eberle 14-32-31NHZM	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 #3 (3-14-14)	Offset TVD Reference:	Offset Datum

Offset Design SRC Eberle 14-32-31CHZM Pad Sec.32-T1N-R66W - SRC Eberle P-32NHZ - Wellbore #1 - Plan #2 (3-													Offset Site Error:	0.0 ft
Survey Program: 0-MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
10,100.0	7,482.0	10,070.7	7,482.0	73.2	72.9	90.06	217.5	-2,032.9	882.8	736.8	145.98	6.047		
10,200.0	7,482.0	10,170.7	7,482.0	75.9	75.6	90.06	217.5	-2,132.9	882.8	731.4	151.36	5.833		
10,300.0	7,482.0	10,270.7	7,482.0	78.6	78.3	90.06	217.5	-2,232.9	882.8	726.1	156.75	5.632		
10,400.0	7,482.0	10,370.7	7,482.0	81.3	81.0	90.06	217.5	-2,332.9	882.8	720.7	162.15	5.444		
10,500.0	7,482.0	10,470.7	7,482.0	84.0	83.7	90.06	217.5	-2,432.9	882.8	715.2	167.57	5.268		
10,600.0	7,482.0	10,570.7	7,482.0	86.7	86.4	90.06	217.5	-2,532.9	882.8	709.8	173.00	5.103		
10,700.0	7,482.0	10,670.7	7,482.0	89.4	89.1	90.06	217.5	-2,632.9	882.8	704.4	178.45	4.947		
10,800.0	7,482.0	10,770.7	7,482.0	92.1	91.9	90.06	217.5	-2,732.9	882.8	698.9	183.90	4.800		
10,900.0	7,482.0	10,870.7	7,482.0	94.9	94.6	90.06	217.5	-2,832.9	882.8	693.4	189.36	4.662		
11,000.0	7,482.0	10,970.7	7,482.0	97.6	97.3	90.06	217.5	-2,932.9	882.8	688.0	194.83	4.531		
11,100.0	7,482.0	11,070.7	7,482.0	100.3	100.1	90.06	217.5	-3,032.9	882.8	682.5	200.31	4.407		
11,200.0	7,482.0	11,170.7	7,482.0	103.1	102.8	90.06	217.5	-3,132.9	882.8	677.0	205.79	4.290		
11,300.0	7,482.0	11,270.7	7,482.0	105.8	105.5	90.06	217.5	-3,232.9	882.8	671.5	211.28	4.178		
11,400.0	7,482.0	11,370.7	7,482.0	108.6	108.3	90.06	217.5	-3,332.9	882.8	666.0	216.78	4.072		
11,500.0	7,482.0	11,470.7	7,482.0	111.3	111.0	90.06	217.5	-3,432.9	882.8	660.5	222.28	3.972		
11,600.0	7,482.0	11,570.7	7,482.0	114.1	113.8	90.06	217.5	-3,532.9	882.8	655.0	227.79	3.875		
11,700.0	7,482.0	11,670.7	7,482.0	116.8	116.6	90.06	217.5	-3,632.9	882.8	649.5	233.31	3.784		
11,800.0	7,482.0	11,770.7	7,482.0	119.6	119.3	90.06	217.5	-3,732.9	882.8	644.0	238.82	3.696		
11,900.0	7,482.0	11,870.7	7,482.0	122.4	122.1	90.06	217.5	-3,832.9	882.8	638.5	244.34	3.613		
12,000.0	7,482.0	11,970.7	7,482.0	125.1	124.8	90.06	217.5	-3,932.9	882.8	632.9	249.87	3.533		
12,100.0	7,482.0	12,002.3	7,482.0	127.9	125.7	90.06	217.5	-3,964.6	885.4	631.9	253.51	3.493 SF		
12,200.0	7,482.0	12,002.3	7,482.0	130.6	125.7	90.06	217.5	-3,964.6	898.7	642.4	256.27	3.507		
12,300.0	7,482.0	12,002.3	7,482.0	133.4	125.7	90.06	217.5	-3,964.6	922.7	663.6	259.04	3.562		
12,400.0	7,482.0	12,002.3	7,482.0	136.2	125.7	90.06	217.5	-3,964.6	956.6	694.8	261.81	3.654		
12,500.0	7,482.0	12,002.3	7,482.0	139.0	125.7	90.06	217.5	-3,964.6	999.3	734.8	264.58	3.777		

Company:	Synergy Resources	Local Co-ordinate Reference:	Well SRC Eberle 14-32-31NHZM
Project:	SEC.32-T1N-R66W	TVD Reference:	WELL @ 5046.0ft (Ensign Rig #134 - RKB - 13')
Reference Site:	SRC Eberle 14-32-31CHZM Pad Sec.32-T1N-R66W	MD Reference:	WELL @ 5046.0ft (Ensign Rig #134 - RKB - 13')
Site Error:	0.0ft	North Reference:	True
Reference Well:	SRC Eberle 14-32-31NHZM	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 #3 (3-14-14)	Offset TVD Reference:	Offset Datum

Reference Depths are relative to WELL @ 5046.0ft (Ensign Rig #134 - Coordinates are relative to: SRC Eberle 14-32-31NHZM
 Offset Depths are relative to Offset Datum
 Central Meridian is -105.500000 °
 Coordinate System is US State Plane 1983, Colorado Northern Zone
 Grid Convergence at Surface is: 0.46°



Company:	Synergy Resources	Local Co-ordinate Reference:	Well SRC Eberle 14-32-31NHZM
Project:	SEC.32-T1N-R66W	TVD Reference:	WELL @ 5046.0ft (Ensign Rig #134 - RKB - 13')
Reference Site:	SRC Eberle 14-32-31CHZM Pad Sec.32-T1N-R66W	MD Reference:	WELL @ 5046.0ft (Ensign Rig #134 - RKB - 13')
Site Error:	0.0ft	North Reference:	True
Reference Well:	SRC Eberle 14-32-31NHZM	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 #3 (3-14-14)	Offset TVD Reference:	Offset Datum

Reference Depths are relative to WELL @ 5046.0ft (Ensign Rig #134 - Coordinates are relative to: SRC Eberle 14-32-31NHZM

Offset Depths are relative to Offset Datum

Coordinate System is US State Plane 1983, Colorado Northern Zone

Central Meridian is -105.500000 °

Grid Convergence at Surface is: 0.46°

