

Synergy Resources

Well Name: **SRC Wiedeman 21-5-3NBHZ**

Surface Location: SRC Wiedeman Pad Sec.5-T5N-R66W
North American Datum 1983 , US State Plane 1983 , Colorado Northern Zone

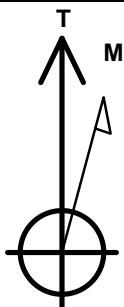
Ground Elevation: 4783.0

+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
0.0	0.0	1401477.27	3194383.30	40.433356	-104.801710	

RKB - 13' WELL @ 4796.0ft (RKB - 13')

WELLBORE TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Shape
SHL 1393'FNL & 2438'FEL, Sec. 5		0.0	0.0	Point
BHL 871'FNL & 2155'FWL, Sec.3	7223.0	593.0	9977.1	Point



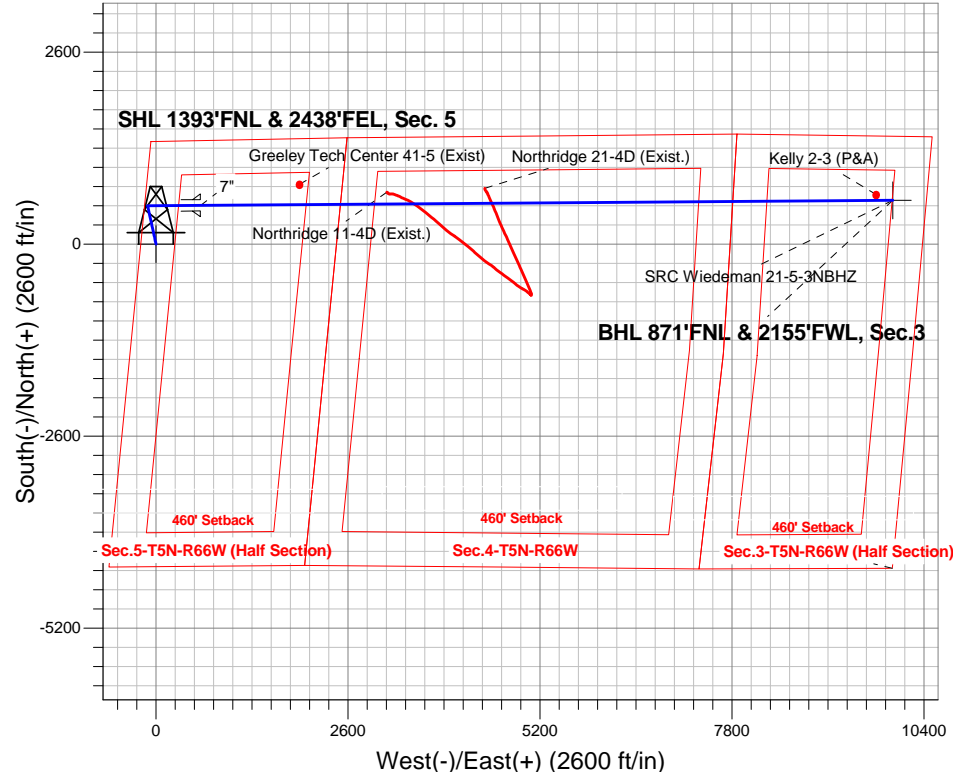
Azimuths to True North
Magnetic North: 8.45°

Magnetic Field
Strength: 52800.0snT
Dip Angle: 66.96°
Date: 9/24/2014
Model: IGRF2010

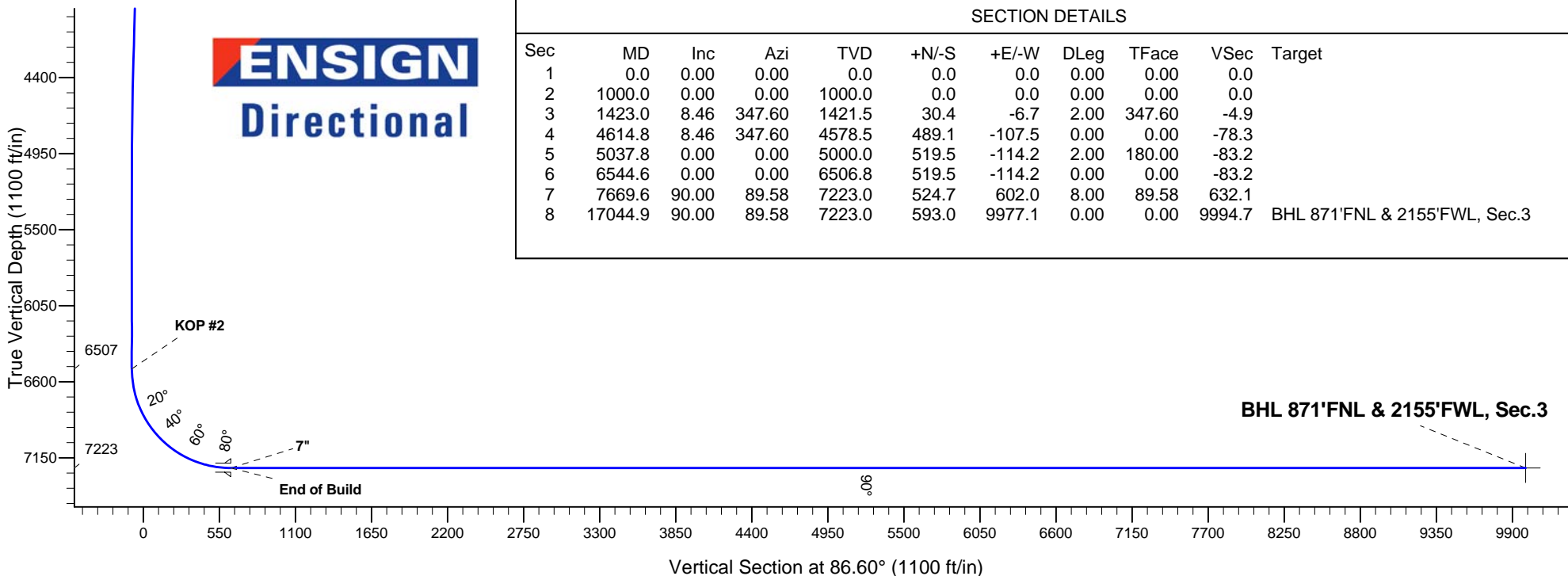
SRC Wiedeman Pad Sec.5-T5N-R66W
SRC Wiedeman 21-5-3NBHZ
Plan #3 (9-24-14)
9:11, September 25 2014

ANNOTATIONS

TVD	MD	Annotation
1000.0	1000.0	KOP #1
6506.8	6544.6	KOP #2
7223.0	7669.6	End of Build



ENSIGN
Directional



SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	1000.0	0.00	0.00	1000.0	0.0	0.0	0.00	0.00	0.0	
3	1423.0	8.46	347.60	1421.5	30.4	-6.7	2.00	347.60	-4.9	
4	4614.8	8.46	347.60	4578.5	489.1	-107.5	0.00	0.00	-78.3	
5	5037.8	0.00	0.00	5000.0	519.5	-114.2	2.00	180.00	-83.2	
6	6544.6	0.00	0.00	6506.8	519.5	-114.2	0.00	0.00	-83.2	
7	7669.6	90.00	89.58	7223.0	524.7	602.0	8.00	89.58	632.1	
8	17044.9	90.00	89.58	7223.0	593.0	9977.1	0.00	0.00	9994.7	BHL 871'FNL & 2155'FWL, Sec.3



Synergy Resources

Sec.5-T5N-R66W

SRC Wiedeman Pad Sec.5-T5N-R66W

SRC Wiedeman 21-5-3NBHZ

Wellbore #1

Plan: Plan #3 (9-24-14)

Standard Planning Report

25 September, 2014

Database:	Landmark	Local Co-ordinate Reference:	Well SRC Wiedeman 21-5-3NBHZ
Company:	Synergy Resources	TVD Reference:	WELL @ 4796.0ft (RKB - 13')
Project:	Sec.5-T5N-R66W	MD Reference:	WELL @ 4796.0ft (RKB - 13')
Site:	SRC Wiedeman Pad Sec.5-T5N-R66W	North Reference:	True
Well:	SRC Wiedeman 21-5-3NBHZ	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan #3 (9-24-14)		

Project	Sec.5-T5N-R66W		
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 Wiedeman Pad Sec.5-T5N-R66W											
Site Position:						Northing:			1,401,391.96 ft			Latitude:			40.433123		
From:			Lat/Long			Easting:			3,194,327.74 ft			Longitude:			-104.801912		
Position Uncertainty:			0.0 ft			Slot Radius:			"			Grid Convergence:			0.45 °		

Well	SRC Wiedeman 21-5-3NBHZ					
Well Position	+N-S	84.9 ft	Northing:	1,401,477.27 ft	Latitude:	40.433356
	+E-W	56.2 ft	Easting:	3,194,383.30 ft	Longitude:	-104.801710
Position Uncertainty		0.0 ft	Wellhead Elevation:	ft	Ground Level:	4,783.0 ft

Wellbore	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	9/24/2014	8.45	66.96	52,800

Design	Plan #3 (9-24-14)			
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	86.60

Plan Sections										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	TFO (°)	Target
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,000.0	0.00	0.00	1,000.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,423.0	8.46	347.60	1,421.5	30.4	-6.7	2.00	2.00	0.00	347.60	
4,614.8	8.46	347.60	4,578.5	489.1	-107.5	0.00	0.00	0.00	0.00	
5,037.8	0.00	0.00	5,000.0	519.5	-114.2	2.00	-2.00	0.00	180.00	
6,544.6	0.00	0.00	6,506.8	519.5	-114.2	0.00	0.00	0.00	0.00	
7,669.6	90.00	89.58	7,223.0	524.7	602.0	8.00	8.00	0.00	89.58	
17,044.9	90.00	89.58	7,223.0	593.0	9,977.1	0.00	0.00	0.00	0.00	BHL 871'FNL & 215

Database:	Landmark	Local Co-ordinate Reference:	Well SRC Wiedeman 21-5-3NBHZ
Company:	Synergy Resources	TVD Reference:	WELL @ 4796.0ft (RKB - 13')
Project:	Sec.5-T5N-R66W	MD Reference:	WELL @ 4796.0ft (RKB - 13')
Site:	SRC Wiedeman Pad Sec.5-T5N-R66W	North Reference:	True
Well:	SRC Wiedeman 21-5-3NBHZ	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan #3 (9-24-14)		

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 1393'FNL & 2438'FEL, Sec. 5									
100.0	0.00	0.00	100.0	0.0	0.0	0.0	0.00	0.00	0.00
200.0	0.00	0.00	200.0	0.0	0.0	0.0	0.00	0.00	0.00
300.0	0.00	0.00	300.0	0.0	0.0	0.0	0.00	0.00	0.00
400.0	0.00	0.00	400.0	0.0	0.0	0.0	0.00	0.00	0.00
500.0	0.00	0.00	500.0	0.0	0.0	0.0	0.00	0.00	0.00
600.0	0.00	0.00	600.0	0.0	0.0	0.0	0.00	0.00	0.00
700.0	0.00	0.00	700.0	0.0	0.0	0.0	0.00	0.00	0.00
800.0	0.00	0.00	800.0	0.0	0.0	0.0	0.00	0.00	0.00
900.0	0.00	0.00	900.0	0.0	0.0	0.0	0.00	0.00	0.00
1,000.0	0.00	0.00	1,000.0	0.0	0.0	0.0	0.00	0.00	0.00
KOP #1									
1,100.0	2.00	347.60	1,100.0	1.7	-0.4	-0.3	2.00	2.00	0.00
1,200.0	4.00	347.60	1,199.8	6.8	-1.5	-1.1	2.00	2.00	0.00
1,300.0	6.00	347.60	1,299.5	15.3	-3.4	-2.5	2.00	2.00	0.00
1,400.0	8.00	347.60	1,398.7	27.2	-6.0	-4.4	2.00	2.00	0.00
1,423.0	8.46	347.60	1,421.5	30.4	-6.7	-4.9	2.00	2.00	0.00
1,500.0	8.46	347.60	1,497.6	41.5	-9.1	-6.6	0.00	0.00	0.00
1,600.0	8.46	347.60	1,596.5	55.9	-12.3	-8.9	0.00	0.00	0.00
1,700.0	8.46	347.60	1,695.5	70.2	-15.4	-11.2	0.00	0.00	0.00
1,800.0	8.46	347.60	1,794.4	84.6	-18.6	-13.5	0.00	0.00	0.00
1,900.0	8.46	347.60	1,893.3	99.0	-21.8	-15.8	0.00	0.00	0.00
2,000.0	8.46	347.60	1,992.2	113.4	-24.9	-18.1	0.00	0.00	0.00
2,100.0	8.46	347.60	2,091.1	127.7	-28.1	-20.4	0.00	0.00	0.00
2,200.0	8.46	347.60	2,190.0	142.1	-31.2	-22.7	0.00	0.00	0.00
2,300.0	8.46	347.60	2,288.9	156.5	-34.4	-25.1	0.00	0.00	0.00
2,400.0	8.46	347.60	2,387.8	170.8	-37.6	-27.4	0.00	0.00	0.00
2,500.0	8.46	347.60	2,486.7	185.2	-40.7	-29.7	0.00	0.00	0.00
2,600.0	8.46	347.60	2,585.7	199.6	-43.9	-32.0	0.00	0.00	0.00
2,700.0	8.46	347.60	2,684.6	213.9	-47.0	-34.3	0.00	0.00	0.00
2,800.0	8.46	347.60	2,783.5	228.3	-50.2	-36.6	0.00	0.00	0.00
2,900.0	8.46	347.60	2,882.4	242.7	-53.3	-38.9	0.00	0.00	0.00
3,000.0	8.46	347.60	2,981.3	257.0	-56.5	-41.2	0.00	0.00	0.00
3,100.0	8.46	347.60	3,080.2	271.4	-59.7	-43.5	0.00	0.00	0.00
3,200.0	8.46	347.60	3,179.1	285.8	-62.8	-45.8	0.00	0.00	0.00
3,300.0	8.46	347.60	3,278.0	300.2	-66.0	-48.1	0.00	0.00	0.00
3,400.0	8.46	347.60	3,377.0	314.5	-69.1	-50.4	0.00	0.00	0.00
3,500.0	8.46	347.60	3,475.9	328.9	-72.3	-52.7	0.00	0.00	0.00
3,600.0	8.46	347.60	3,574.8	343.3	-75.5	-55.0	0.00	0.00	0.00
3,700.0	8.46	347.60	3,673.7	357.6	-78.6	-57.3	0.00	0.00	0.00
3,800.0	8.46	347.60	3,772.6	372.0	-81.8	-59.6	0.00	0.00	0.00
3,900.0	8.46	347.60	3,871.5	386.4	-84.9	-61.9	0.00	0.00	0.00
4,000.0	8.46	347.60	3,970.4	400.7	-88.1	-64.2	0.00	0.00	0.00
4,100.0	8.46	347.60	4,069.3	415.1	-91.2	-66.5	0.00	0.00	0.00
4,200.0	8.46	347.60	4,168.2	429.5	-94.4	-68.8	0.00	0.00	0.00
4,300.0	8.46	347.60	4,267.2	443.8	-97.6	-71.1	0.00	0.00	0.00
4,400.0	8.46	347.60	4,366.1	458.2	-100.7	-73.4	0.00	0.00	0.00
4,500.0	8.46	347.60	4,465.0	472.6	-103.9	-75.7	0.00	0.00	0.00
4,600.0	8.46	347.60	4,563.9	487.0	-107.0	-78.0	0.00	0.00	0.00
4,614.8	8.46	347.60	4,578.5	489.1	-107.5	-78.3	0.00	0.00	0.00
4,700.0	6.76	347.60	4,663.0	500.1	-109.9	-80.1	2.00	-2.00	0.00
4,800.0	4.76	347.60	4,762.5	509.9	-112.1	-81.6	2.00	-2.00	0.00

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Project:	Sec.5-T5N-R66W	MD Reference:	WELL @ 4796.0ft (RKB - 13')
Site:	SRC Wiedeman Pad Sec.5-T5N-R66W	North Reference:	True
Well:	SRC Wiedeman 21-5-3NBHZ	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan #3 (9-24-14)		

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)
4,900.0	2.76	347.60	4,862.3	516.3	-113.5	-82.7	2.00	-2.00	0.00
5,000.0	0.76	347.60	4,962.2	519.3	-114.1	-83.1	2.00	-2.00	0.00
5,037.8	0.00	0.00	5,000.0	519.5	-114.2	-83.2	2.00	-2.00	0.00
5,100.0	0.00	0.00	5,062.2	519.5	-114.2	-83.2	0.00	0.00	0.00
5,200.0	0.00	0.00	5,162.2	519.5	-114.2	-83.2	0.00	0.00	0.00
5,300.0	0.00	0.00	5,262.2	519.5	-114.2	-83.2	0.00	0.00	0.00
5,400.0	0.00	0.00	5,362.2	519.5	-114.2	-83.2	0.00	0.00	0.00
5,500.0	0.00	0.00	5,462.2	519.5	-114.2	-83.2	0.00	0.00	0.00
5,600.0	0.00	0.00	5,562.2	519.5	-114.2	-83.2	0.00	0.00	0.00
5,700.0	0.00	0.00	5,662.2	519.5	-114.2	-83.2	0.00	0.00	0.00
5,800.0	0.00	0.00	5,762.2	519.5	-114.2	-83.2	0.00	0.00	0.00
5,900.0	0.00	0.00	5,862.2	519.5	-114.2	-83.2	0.00	0.00	0.00
6,000.0	0.00	0.00	5,962.2	519.5	-114.2	-83.2	0.00	0.00	0.00
6,100.0	0.00	0.00	6,062.2	519.5	-114.2	-83.2	0.00	0.00	0.00
6,200.0	0.00	0.00	6,162.2	519.5	-114.2	-83.2	0.00	0.00	0.00
6,300.0	0.00	0.00	6,262.2	519.5	-114.2	-83.2	0.00	0.00	0.00
6,400.0	0.00	0.00	6,362.2	519.5	-114.2	-83.2	0.00	0.00	0.00
6,500.0	0.00	0.00	6,462.2	519.5	-114.2	-83.2	0.00	0.00	0.00
6,544.6	0.00	0.00	6,506.8	519.5	-114.2	-83.2	0.00	0.00	0.00
KOP #2									
6,600.0	4.43	89.58	6,562.1	519.5	-112.1	-81.0	8.00	8.00	0.00
6,700.0	12.43	89.58	6,661.0	519.6	-97.4	-66.4	8.00	8.00	0.00
6,800.0	20.43	89.58	6,756.8	519.9	-69.1	-38.2	8.00	8.00	0.00
6,900.0	28.43	89.58	6,847.8	520.2	-27.8	3.1	8.00	8.00	0.00
7,000.0	36.43	89.58	6,932.1	520.5	25.8	56.6	8.00	8.00	0.00
7,100.0	44.43	89.58	7,008.2	521.0	90.6	121.3	8.00	8.00	0.00
7,200.0	52.43	89.58	7,074.5	521.6	165.3	196.0	8.00	8.00	0.00
7,300.0	60.43	89.58	7,129.7	522.2	248.6	279.1	8.00	8.00	0.00
7,400.0	68.43	89.58	7,172.9	522.8	338.7	369.1	8.00	8.00	0.00
7,500.0	76.43	89.58	7,203.0	523.5	434.0	464.3	8.00	8.00	0.00
7,600.0	84.43	89.58	7,219.6	524.2	532.5	562.6	8.00	8.00	0.00
7,669.6	90.00	89.58	7,223.0	524.7	602.0	632.0	8.00	8.00	0.00
End of Build - 7"									
7,700.0	90.00	89.58	7,223.0	525.0	632.4	662.4	0.00	0.00	0.00
7,800.0	90.00	89.58	7,223.0	525.7	732.4	762.3	0.00	0.00	0.00
7,900.0	90.00	89.58	7,223.0	526.4	832.4	862.1	0.00	0.00	0.00
8,000.0	90.00	89.58	7,223.0	527.1	932.4	962.0	0.00	0.00	0.00
8,100.0	90.00	89.58	7,223.0	527.9	1,032.4	1,061.9	0.00	0.00	0.00
8,200.0	90.00	89.58	7,223.0	528.6	1,132.4	1,161.7	0.00	0.00	0.00
8,300.0	90.00	89.58	7,223.0	529.3	1,232.4	1,261.6	0.00	0.00	0.00
8,400.0	90.00	89.58	7,223.0	530.0	1,332.4	1,361.5	0.00	0.00	0.00
8,500.0	90.00	89.58	7,223.0	530.8	1,432.4	1,461.3	0.00	0.00	0.00
8,600.0	90.00	89.58	7,223.0	531.5	1,532.3	1,561.2	0.00	0.00	0.00
8,700.0	90.00	89.58	7,223.0	532.2	1,632.3	1,661.0	0.00	0.00	0.00
8,800.0	90.00	89.58	7,223.0	533.0	1,732.3	1,760.9	0.00	0.00	0.00
8,900.0	90.00	89.58	7,223.0	533.7	1,832.3	1,860.8	0.00	0.00	0.00
9,000.0	90.00	89.58	7,223.0	534.4	1,932.3	1,960.6	0.00	0.00	0.00
9,100.0	90.00	89.58	7,223.0	535.1	2,032.3	2,060.5	0.00	0.00	0.00
9,200.0	90.00	89.58	7,223.0	535.9	2,132.3	2,160.4	0.00	0.00	0.00
9,300.0	90.00	89.58	7,223.0	536.6	2,232.3	2,260.2	0.00	0.00	0.00
9,400.0	90.00	89.58	7,223.0	537.3	2,332.3	2,360.1	0.00	0.00	0.00
9,500.0	90.00	89.58	7,223.0	538.1	2,432.3	2,460.0	0.00	0.00	0.00
9,600.0	90.00	89.58	7,223.0	538.8	2,532.3	2,559.8	0.00	0.00	0.00
9,700.0	90.00	89.58	7,223.0	539.5	2,632.3	2,659.7	0.00	0.00	0.00

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Project:	Sec.5-T5N-R66W	MD Reference:	WELL @ 4796.0ft (RKB - 13')
Site:	SRC Wiedeman Pad Sec.5-T5N-R66W	North Reference:	True
Well:	SRC Wiedeman 21-5-3NBHZ	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan #3 (9-24-14)		

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)
9,800.0	90.00	89.58	7,223.0	540.2	2,732.3	2,759.6	0.00	0.00	0.00
9,900.0	90.00	89.58	7,223.0	541.0	2,832.3	2,859.4	0.00	0.00	0.00
10,000.0	90.00	89.58	7,223.0	541.7	2,932.3	2,959.3	0.00	0.00	0.00
10,100.0	90.00	89.58	7,223.0	542.4	3,032.3	3,059.1	0.00	0.00	0.00
10,200.0	90.00	89.58	7,223.0	543.1	3,132.3	3,159.0	0.00	0.00	0.00
10,300.0	90.00	89.58	7,223.0	543.9	3,232.3	3,258.9	0.00	0.00	0.00
10,400.0	90.00	89.58	7,223.0	544.6	3,332.3	3,358.7	0.00	0.00	0.00
10,500.0	90.00	89.58	7,223.0	545.3	3,432.3	3,458.6	0.00	0.00	0.00
10,600.0	90.00	89.58	7,223.0	546.1	3,532.3	3,558.5	0.00	0.00	0.00
10,700.0	90.00	89.58	7,223.0	546.8	3,632.3	3,658.3	0.00	0.00	0.00
10,800.0	90.00	89.58	7,223.0	547.5	3,732.3	3,758.2	0.00	0.00	0.00
10,900.0	90.00	89.58	7,223.0	548.2	3,832.3	3,858.1	0.00	0.00	0.00
11,000.0	90.00	89.58	7,223.0	549.0	3,932.3	3,957.9	0.00	0.00	0.00
11,100.0	90.00	89.58	7,223.0	549.7	4,032.3	4,057.8	0.00	0.00	0.00
11,200.0	90.00	89.58	7,223.0	550.4	4,132.3	4,157.7	0.00	0.00	0.00
11,300.0	90.00	89.58	7,223.0	551.1	4,232.3	4,257.5	0.00	0.00	0.00
11,400.0	90.00	89.58	7,223.0	551.9	4,332.3	4,357.4	0.00	0.00	0.00
11,500.0	90.00	89.58	7,223.0	552.6	4,432.3	4,457.2	0.00	0.00	0.00
11,600.0	90.00	89.58	7,223.0	553.3	4,532.3	4,557.1	0.00	0.00	0.00
11,700.0	90.00	89.58	7,223.0	554.1	4,632.3	4,657.0	0.00	0.00	0.00
11,800.0	90.00	89.58	7,223.0	554.8	4,732.3	4,756.8	0.00	0.00	0.00
11,900.0	90.00	89.58	7,223.0	555.5	4,832.3	4,856.7	0.00	0.00	0.00
12,000.0	90.00	89.58	7,223.0	556.2	4,932.3	4,956.6	0.00	0.00	0.00
12,100.0	90.00	89.58	7,223.0	557.0	5,032.3	5,056.4	0.00	0.00	0.00
12,200.0	90.00	89.58	7,223.0	557.7	5,132.3	5,156.3	0.00	0.00	0.00
12,300.0	90.00	89.58	7,223.0	558.4	5,232.3	5,256.2	0.00	0.00	0.00
12,400.0	90.00	89.58	7,223.0	559.2	5,332.2	5,356.0	0.00	0.00	0.00
12,500.0	90.00	89.58	7,223.0	559.9	5,432.2	5,455.9	0.00	0.00	0.00
12,600.0	90.00	89.58	7,223.0	560.6	5,532.2	5,555.8	0.00	0.00	0.00
12,700.0	90.00	89.58	7,223.0	561.3	5,632.2	5,655.6	0.00	0.00	0.00
12,800.0	90.00	89.58	7,223.0	562.1	5,732.2	5,755.5	0.00	0.00	0.00
12,900.0	90.00	89.58	7,223.0	562.8	5,832.2	5,855.4	0.00	0.00	0.00
13,000.0	90.00	89.58	7,223.0	563.5	5,932.2	5,955.2	0.00	0.00	0.00
13,100.0	90.00	89.58	7,223.0	564.2	6,032.2	6,055.1	0.00	0.00	0.00
13,200.0	90.00	89.58	7,223.0	565.0	6,132.2	6,154.9	0.00	0.00	0.00
13,300.0	90.00	89.58	7,223.0	565.7	6,232.2	6,254.8	0.00	0.00	0.00
13,400.0	90.00	89.58	7,223.0	566.4	6,332.2	6,354.7	0.00	0.00	0.00
13,500.0	90.00	89.58	7,223.0	567.2	6,432.2	6,454.5	0.00	0.00	0.00
13,600.0	90.00	89.58	7,223.0	567.9	6,532.2	6,554.4	0.00	0.00	0.00
13,700.0	90.00	89.58	7,223.0	568.6	6,632.2	6,654.3	0.00	0.00	0.00
13,800.0	90.00	89.58	7,223.0	569.3	6,732.2	6,754.1	0.00	0.00	0.00
13,900.0	90.00	89.58	7,223.0	570.1	6,832.2	6,854.0	0.00	0.00	0.00
14,000.0	90.00	89.58	7,223.0	570.8	6,932.2	6,953.9	0.00	0.00	0.00
14,100.0	90.00	89.58	7,223.0	571.5	7,032.2	7,053.7	0.00	0.00	0.00
14,200.0	90.00	89.58	7,223.0	572.3	7,132.2	7,153.6	0.00	0.00	0.00
14,300.0	90.00	89.58	7,223.0	573.0	7,232.2	7,253.5	0.00	0.00	0.00
14,400.0	90.00	89.58	7,223.0	573.7	7,332.2	7,353.3	0.00	0.00	0.00
14,500.0	90.00	89.58	7,223.0	574.4	7,432.2	7,453.2	0.00	0.00	0.00
14,600.0	90.00	89.58	7,223.0	575.2	7,532.2	7,553.0	0.00	0.00	0.00
14,700.0	90.00	89.58	7,223.0	575.9	7,632.2	7,652.9	0.00	0.00	0.00
14,800.0	90.00	89.58	7,223.0	576.6	7,732.2	7,752.8	0.00	0.00	0.00
14,900.0	90.00	89.58	7,223.0	577.3	7,832.2	7,852.6	0.00	0.00	0.00
15,000.0	90.00	89.58	7,223.0	578.1	7,932.2	7,952.5	0.00	0.00	0.00
15,100.0	90.00	89.58	7,223.0	578.8	8,032.2	8,052.4	0.00	0.00	0.00

Plan Annotations					
	Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates		Comment
			+N/-S	+E/-W	
			(ft)	(ft)	
	1,000.0	1,000.0	0.0	0.0	KOP #1
	6,544.6	6,506.8	519.5	-114.2	KOP #2
	7,669.6	7,223.0	524.7	602.0	End of Build



Synergy Resources

Sec.5-T5N-R66W

SRC Wiedeman Pad Sec.5-T5N-R66W

SRC Wiedeman 21-5-3NBHZ

Wellbore #1

Plan #3 (9-24-14)

Anticollision Report

25 September, 2014

Company:	Synergy Resources	Local Co-ordinate Reference:	Well SRC Wiedeman 21-5-3NBHZ
Project:	Sec.5-T5N-R66W	TVD Reference:	WELL @ 4796.0ft (RKB - 13')
Reference Site:	SRC Wiedeman Pad Sec.5-T5N-R66W	MD Reference:	WELL @ 4796.0ft (RKB - 13')
Site Error:	0.0ft	North Reference:	True
Reference Well:	SRC Wiedeman 21-5-3NBHZ	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 (9-24-14)	Offset TVD Reference:	Offset Datum

Reference	Plan #3 (9-24-14)		
Filter type:	NO GLOBAL FILTER: Using user defined selection & filtering criteria		
Interpolation Method:	Stations	Error Model:	ISCWSA
Depth Range:	Unlimited	Scan Method:	Closest Approach 3D
Results Limited by:	Maximum center-center distance of 1,000.0ft	Error Surface:	Elliptical Conic
Warning Levels Evaluated at:	2.00 Sigma		

Survey Tool Program	Date 9/25/2014			
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description
0.0	17,044.9	Plan #3 (9-24-14) (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
Existing Wells - Sec.4-T5N-R66W						
Greeley Tech Center 41-5 (Exist) - Wellbore #1 - Wellbor	9,011.9	2,427.0	276.9	171.8	2.633	CC, ES, SF
Kelly 2-3 (P&A) - Wellbore #1 - Wellbore #1	16,822.2	2,427.0	80.2	-242.2	0.249	Level 1, CC, ES, SF
Northridge Pad Sec.4-T5N-R66W						
Northridge 11-4D (Exist.) - Wellbore #1 - Wellbore #1	10,199.9	7,697.0	156.2	25.2	1.192	Level 2, CC
Northridge 11-4D (Exist.) - Wellbore #1 - Wellbore #1	10,200.0	7,697.0	156.2	25.1	1.192	Level 2, ES, SF
Northridge 21-4D (Exist.) - Wellbore #1 - Wellbore #1	11,523.1	7,395.7	190.6	43.9	1.299	Level 3, CC, ES, SF
Northridge 4AD (Exist.) - Wellbore #1 - Wellbore #1	10,964.1	7,376.1	629.4	492.5	4.597	CC, ES
Northridge 4AD (Exist.) - Wellbore #1 - Wellbore #1	11,000.0	7,375.7	630.5	492.5	4.571	SF
Northridge 4KD (Exist.) - Wellbore #1 - Wellbore #1						Out of range
SRC Kelly Farms Pad Sec.4-T5N-R66W						
SRC Kelly Farms A-4-3CHZ - Wellbore #1 - Wellbore #1	12,451.8	7,504.8	932.7	760.0	5.401	CC
SRC Kelly Farms A-4-3CHZ - Wellbore #1 - Wellbore #1	17,000.0	12,005.0	988.2	568.4	2.354	ES, SF
SRC Kelly Farms A-4-3NHZ - Wellbore #1 - Wellbore #1	12,467.3	7,388.1	720.6	550.2	4.228	CC
SRC Kelly Farms A-4-3NHZ - Wellbore #1 - Wellbore #1	17,000.0	11,898.0	777.2	364.4	1.883	ES, SF
SRC Wiedeman Pad Sec.5-T5N-R66W						
SRC Wiedeman 11-5-3NCHZ - Wellbore #1 - Plan #3 (9-	1,000.0	1,000.0	15.0	10.7	3.512	CC
SRC Wiedeman 11-5-3NCHZ - Wellbore #1 - Plan #3 (9-	17,021.2	16,857.3	277.7	-171.9	0.618	Level 1, ES, SF
SRC Wiedeman 12-5-4CHZ - Wellbore #1 - Plan #3 (9-2	1,000.0	1,000.0	45.0	40.8	10.544	CC, ES
SRC Wiedeman 12-5-4CHZ - Wellbore #1 - Plan #3 (9-2	11,800.0	11,584.3	782.5	523.6	3.022	SF
SRC Wiedeman 12-5-4NCHZ - Wellbore #1 - Plan #3 (9-	1,000.0	1,000.0	60.0	55.8	14.056	CC, ES
SRC Wiedeman 12-5-4NCHZ - Wellbore #1 - Plan #3 (9-	11,800.0	11,770.2	984.9	720.6	3.727	SF
SRC Wiedeman 21-5-3CHZ - Wellbore #1 - Plan #2 (9-2	500.0	500.0	15.0	13.0	7.430	CC
SRC Wiedeman 21-5-3CHZ - Wellbore #1 - Plan #2 (9-2	17,044.9	16,865.8	302.7	-169.8	0.641	Level 1, ES, SF
SRC Wiedeman 22-5-4CHZ - Wellbore #1 - Plan #2 (9-0	500.0	500.0	90.0	88.0	44.504	CC, ES
SRC Wiedeman 22-5-4CHZ - Wellbore #1 - Plan #2 (9-0	900.0	885.6	116.7	113.0	31.530	SF
SRC Wiedeman 22-5-4NBHZ - Wellbore #1 - Plan #3 (9	800.0	800.0	75.0	71.7	22.256	CC, ES
SRC Wiedeman 22-5-4NBHZ - Wellbore #1 - Plan #3 (9	1,000.0	994.7	81.7	77.5	19.485	SF
SRC Wiedeman A-5-3NBHZ - Wellbore #1 - Plan #3 (9-2	1,000.0	1,000.0	30.0	25.7	7.025	CC
SRC Wiedeman A-5-3NBHZ - Wellbore #1 - Plan #3 (9-2	17,002.1	17,020.6	439.4	-119.3	0.787	Level 1, ES, SF

Company:	Synergy Resources	Local Co-ordinate Reference:	Well SRC Wiedeman 21-5-3NBHZ
Project:	Sec.5-T5N-R66W	TVD Reference:	WELL @ 4796.0ft (RKB - 13')
Reference Site:	SRC Wiedeman Pad Sec.5-T5N-R66W	MD Reference:	WELL @ 4796.0ft (RKB - 13')
Site Error:	0.0ft	North Reference:	True
Reference Well:	SRC Wiedeman 21-5-3NBHZ	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 (9-24-14)	Offset TVD Reference:	Offset Datum

Offset Design										Existing Wells - Sec.4-T5N-R66W - Greeley Tech Center 41-5 (Exist) - Wellbore #1 - Wellbore #1				Offset Site Error:	0.0 ft
Survey Program: 7811-UNKNOWN														Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance							Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor			
8,100.0	7,223.0	2,427.0	2,427.0	33.4	48.5	-90.00	811.4	1,942.2	953.0	871.4	81.59	11.680			
8,200.0	7,223.0	2,427.0	2,427.0	35.9	48.5	-90.00	811.4	1,942.2	857.8	773.8	84.04	10.207			
8,300.0	7,223.0	2,427.0	2,427.0	38.3	48.5	-90.00	811.4	1,942.2	763.9	677.3	86.54	8.827			
8,400.0	7,223.0	2,427.0	2,427.0	40.9	48.5	-90.00	811.4	1,942.2	671.6	582.6	89.08	7.540			
8,500.0	7,223.0	2,427.0	2,427.0	43.4	48.5	-90.00	811.4	1,942.2	582.0	490.4	91.65	6.350			
8,600.0	7,223.0	2,427.0	2,427.0	46.0	48.5	-90.00	811.4	1,942.2	496.3	402.1	94.25	5.266			
8,700.0	7,223.0	2,427.0	2,427.0	48.6	48.5	-90.00	811.4	1,942.2	417.1	320.2	96.87	4.306			
8,800.0	7,223.0	2,427.0	2,427.0	51.2	48.5	-90.00	811.4	1,942.2	348.7	249.2	99.51	3.504			
8,900.0	7,223.0	2,427.0	2,427.0	53.9	48.5	-90.00	811.4	1,942.2	298.7	196.5	102.17	2.923			
9,000.0	7,223.0	2,427.0	2,427.0	56.5	48.5	-90.00	811.4	1,942.2	277.2	172.3	104.85	2.644			
9,011.9	7,223.0	2,427.0	2,427.0	56.9	48.5	-90.00	811.4	1,942.2	276.9	171.8	105.16	2.633 CC, ES, SF			
9,100.0	7,223.0	2,427.0	2,427.0	59.2	48.5	-90.00	811.4	1,942.2	290.6	183.1	107.53	2.702			
9,200.0	7,223.0	2,427.0	2,427.0	61.9	48.5	-90.00	811.4	1,942.2	334.8	224.5	110.23	3.037			
9,300.0	7,223.0	2,427.0	2,427.0	64.6	48.5	-90.00	811.4	1,942.2	399.6	286.7	112.93	3.538			
9,400.0	7,223.0	2,427.0	2,427.0	67.3	48.5	-90.00	811.4	1,942.2	476.8	361.1	115.65	4.123			
9,500.0	7,223.0	2,427.0	2,427.0	70.0	48.5	-90.00	811.4	1,942.2	561.2	442.8	118.37	4.741			
9,600.0	7,223.0	2,427.0	2,427.0	72.7	48.5	-90.00	811.4	1,942.2	650.0	528.9	121.10	5.368			
9,700.0	7,223.0	2,427.0	2,427.0	75.5	48.5	-90.00	811.4	1,942.2	741.7	617.9	123.83	5.990			
9,800.0	7,223.0	2,427.0	2,427.0	78.2	48.5	-90.00	811.4	1,942.2	835.3	708.8	126.57	6.600			
9,900.0	7,223.0	2,427.0	2,427.0	80.9	48.5	-90.00	811.4	1,942.2	930.3	801.0	129.32	7.194			

Company:	Synergy Resources	Local Co-ordinate Reference:	Well SRC Wiedeman 21-5-3NBHZ
Project:	Sec.5-T5N-R66W	TVD Reference:	WELL @ 4796.0ft (RKB - 13')
Reference Site:	SRC Wiedeman Pad Sec.5-T5N-R66W	MD Reference:	WELL @ 4796.0ft (RKB - 13')
Site Error:	0.0ft	North Reference:	True
Reference Well:	SRC Wiedeman 21-5-3NBHZ	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 (9-24-14)	Offset TVD Reference:	Offset Datum

Offset Design Existing Wells - Sec.4-T5N-R66W - Kelly 2-3 (P&A) - Wellbore #1 - Wellbore #1												Offset Site Error:	0.0 ft
Survey Program: 7403-UNKNOWN												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
15,900.0	7,223.0	2,427.0	2,427.0	248.1	48.5	-90.00	671.5	9,753.8	925.7	629.1	296.56	3.121	
16,000.0	7,223.0	2,427.0	2,427.0	250.9	48.5	-90.00	671.5	9,753.8	826.1	526.8	299.36	2.760	
16,100.0	7,223.0	2,427.0	2,427.0	253.7	48.5	-90.00	671.5	9,753.8	726.7	424.5	302.16	2.405	
16,200.0	7,223.0	2,427.0	2,427.0	256.5	48.5	-90.00	671.5	9,753.8	627.4	322.4	304.96	2.057	
16,300.0	7,223.0	2,427.0	2,427.0	259.3	48.5	-90.00	671.5	9,753.8	528.3	220.6	307.76	1.717	
16,400.0	7,223.0	2,427.0	2,427.0	262.1	48.5	-90.00	671.5	9,753.8	429.8	119.2	310.56	1.384	Level 3
16,500.0	7,223.0	2,427.0	2,427.0	264.9	48.5	-90.00	671.5	9,753.8	332.1	18.7	313.37	1.060	Level 2
16,600.0	7,223.0	2,427.0	2,427.0	267.7	48.5	-90.00	671.5	9,753.8	236.3	-79.9	316.17	0.747	Level 1
16,700.0	7,223.0	2,427.0	2,427.0	270.5	48.5	-90.00	671.5	9,753.8	146.2	-172.8	318.97	0.458	Level 1
16,800.0	7,223.0	2,427.0	2,427.0	273.3	48.5	-90.00	671.5	9,753.8	83.2	-238.5	321.77	0.259	Level 1
16,822.2	7,223.0	2,427.0	2,427.0	273.9	48.5	-90.00	671.5	9,753.8	80.2	-242.2	322.39	0.249	Level 1, CC, ES, SF
16,900.0	7,223.0	2,427.0	2,427.0	276.1	48.5	-90.00	671.5	9,753.8	111.7	-212.8	324.57	0.344	Level 1
17,000.0	7,223.0	2,427.0	2,427.0	278.9	48.5	-90.00	671.5	9,753.8	195.0	-132.3	327.38	0.596	Level 1
17,044.9	7,223.0	2,427.0	2,427.0	280.1	48.5	-90.00	671.5	9,753.8	236.7	-91.9	328.63	0.720	Level 1

Company:	Synergy Resources	Local Co-ordinate Reference:	Well SRC Wiedeman 21-5-3NBHZ
Project:	Sec.5-T5N-R66W	TVD Reference:	WELL @ 4796.0ft (RKB - 13')
Reference Site:	SRC Wiedeman Pad Sec.5-T5N-R66W	MD Reference:	WELL @ 4796.0ft (RKB - 13')
Site Error:	0.0ft	North Reference:	True
Reference Well:	SRC Wiedeman 21-5-3NBHZ	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 (9-24-14)	Offset TVD Reference:	Offset Datum

Offset Design Northridge Pad Sec.4-T5N-R66W - Northridge 11-4D (Exist.) - Wellbore #1 - Wellbore #1												Offset Site Error:	0.0 ft
Survey Program: 147-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
9,300.0	7,223.0	7,717.0	7,197.6	64.6	49.4	-96.41	699.6	3,130.6	913.1	807.8	105.38	8.665	
9,400.0	7,223.0	7,714.9	7,195.5	67.3	49.4	-95.65	699.6	3,130.7	814.8	706.6	108.26	7.526	
9,500.0	7,223.0	7,712.8	7,193.4	70.0	49.4	-94.89	699.6	3,130.7	716.9	605.8	111.15	6.451	
9,600.0	7,223.0	7,710.7	7,191.2	72.7	49.4	-94.10	699.5	3,130.8	619.8	505.7	114.03	5.435	
9,700.0	7,223.0	7,708.5	7,189.0	75.5	49.4	-93.31	699.5	3,130.8	523.6	406.7	116.90	4.479	
9,800.0	7,223.0	7,706.2	7,186.8	78.2	49.4	-92.50	699.5	3,130.9	429.2	309.5	119.76	3.584	
9,900.0	7,223.0	7,704.0	7,184.6	80.9	49.4	-91.67	699.4	3,130.9	338.1	215.5	122.62	2.757	
10,000.0	7,223.0	7,701.7	7,182.3	83.7	49.4	-90.83	699.4	3,131.0	253.7	128.2	125.45	2.022	
10,100.0	7,223.0	7,699.4	7,179.9	86.4	49.4	-89.98	699.4	3,131.0	185.4	57.1	128.27	1.446	Level 3
10,199.9	7,223.0	7,697.0	7,177.6	89.2	49.4	-89.11	699.3	3,131.1	156.2	25.2	131.06	1.192	Level 2, CC
10,200.0	7,223.0	7,697.0	7,177.6	89.2	49.4	-89.11	699.3	3,131.1	156.2	25.1	131.06	1.192	Level 2, ES, SF
10,300.0	7,223.0	7,694.6	7,175.2	91.9	49.4	-88.23	699.3	3,131.1	185.5	51.7	133.83	1.386	Level 3
10,400.0	7,223.0	7,692.2	7,172.7	94.7	49.4	-87.33	699.3	3,131.2	253.8	117.2	136.57	1.858	
10,500.0	7,223.0	7,689.7	7,170.2	97.5	49.4	-86.42	699.2	3,131.3	338.2	199.0	139.28	2.429	
10,600.0	7,223.0	7,687.2	7,167.7	100.2	49.4	-85.50	699.2	3,131.3	429.4	287.4	141.95	3.025	
10,700.0	7,223.0	7,684.6	7,165.2	103.0	49.4	-84.57	699.1	3,131.4	523.8	379.2	144.57	3.623	
10,800.0	7,223.0	7,682.0	7,162.5	105.8	49.4	-83.62	699.1	3,131.4	619.9	472.8	147.16	4.213	
10,900.0	7,223.0	7,679.3	7,159.9	108.5	49.4	-82.65	699.1	3,131.5	717.1	567.4	149.69	4.790	
11,000.0	7,223.0	7,676.6	7,157.2	111.3	49.4	-81.68	699.0	3,131.6	815.0	662.8	152.18	5.355	
11,100.0	7,223.0	7,673.9	7,154.4	114.1	49.4	-80.69	699.0	3,131.7	913.3	758.7	154.61	5.907	

Company:	Synergy Resources	Local Co-ordinate Reference:	Well SRC Wiedeman 21-5-3NBHZ
Project:	Sec.5-T5N-R66W	TVD Reference:	WELL @ 4796.0ft (RKB - 13')
Reference Site:	SRC Wiedeman Pad Sec.5-T5N-R66W	MD Reference:	WELL @ 4796.0ft (RKB - 13')
Site Error:	0.0ft	North Reference:	True
Reference Well:	SRC Wiedeman 21-5-3NBHZ	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 (9-24-14)	Offset TVD Reference:	Offset Datum

Offset Design Northridge Pad Sec.4-T5N-R66W - Northridge 21-4D (Exist.) - Wellbore #1 - Wellbore #1												Offset Site Error:	0.0 ft
Survey Program: 150-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
10,600.0	7,223.0	7,411.2	7,183.8	100.2	31.7	-91.14	743.9	4,453.7	942.4	821.4	120.99	7.789	
10,700.0	7,223.0	7,409.7	7,182.3	103.0	31.7	-90.70	743.8	4,453.7	844.7	720.9	123.80	6.823	
10,800.0	7,223.0	7,408.2	7,180.8	105.8	31.7	-90.24	743.8	4,453.7	747.7	621.0	126.62	5.905	
10,900.0	7,223.0	7,406.6	7,179.2	108.5	31.7	-89.77	743.7	4,453.8	651.5	522.0	129.42	5.034	
11,000.0	7,223.0	7,405.0	7,177.6	111.3	31.7	-89.28	743.6	4,453.8	556.6	424.4	132.22	4.210	
11,100.0	7,223.0	7,403.3	7,176.0	114.1	31.7	-88.79	743.5	4,453.8	464.0	328.9	135.01	3.436	
11,200.0	7,223.0	7,401.6	7,174.2	116.8	31.7	-88.27	743.4	4,453.8	375.0	237.2	137.80	2.722	
11,300.0	7,223.0	7,399.9	7,172.5	119.6	31.7	-87.74	743.3	4,453.9	293.4	152.8	140.57	2.087	
11,400.0	7,223.0	7,398.1	7,170.7	122.4	31.7	-87.20	743.1	4,453.9	226.9	83.5	143.34	1.583	
11,500.0	7,223.0	7,396.2	7,168.8	125.2	31.7	-86.63	743.0	4,453.9	192.0	45.9	146.08	1.314	Level 3
11,523.1	7,223.0	7,395.7	7,168.4	125.8	31.7	-86.50	743.0	4,454.0	190.6	43.9	146.71	1.299	Level 3, CC, ES, SF
11,600.0	7,223.0	7,394.3	7,166.9	128.0	31.7	-86.05	742.9	4,454.0	205.5	56.7	148.81	1.381	Level 3
11,700.0	7,223.0	7,392.3	7,164.9	130.7	31.7	-85.45	742.8	4,454.0	260.0	108.5	151.53	1.716	
11,800.0	7,223.0	7,390.2	7,162.8	133.5	31.7	-84.83	742.7	4,454.1	336.1	181.9	154.22	2.180	
11,900.0	7,223.0	7,388.1	7,160.7	136.3	31.7	-84.20	742.5	4,454.1	422.3	265.4	156.89	2.692	
12,000.0	7,223.0	7,385.9	7,158.5	139.1	31.7	-83.54	742.4	4,454.1	513.5	354.0	159.53	3.219	
12,100.0	7,223.0	7,383.6	7,156.2	141.9	31.7	-82.86	742.3	4,454.2	607.5	445.4	162.14	3.747	
12,200.0	7,223.0	7,381.2	7,153.9	144.7	31.7	-82.15	742.1	4,454.2	703.1	538.4	164.71	4.269	
12,300.0	7,223.0	7,378.8	7,151.5	147.4	31.7	-81.42	742.0	4,454.3	799.8	632.6	167.25	4.782	
12,400.0	7,223.0	7,376.3	7,149.0	150.2	31.7	-80.67	741.8	4,454.4	897.2	727.5	169.74	5.286	
12,500.0	7,223.0	7,373.7	7,146.3	153.0	31.7	-79.90	741.6	4,454.4	995.2	823.0	172.19	5.779	

Company:	Synergy Resources	Local Co-ordinate Reference:	Well SRC Wiedeman 21-5-3NBHZ
Project:	Sec.5-T5N-R66W	TVD Reference:	WELL @ 4796.0ft (RKB - 13')
Reference Site:	SRC Wiedeman Pad Sec.5-T5N-R66W	MD Reference:	WELL @ 4796.0ft (RKB - 13')
Site Error:	0.0ft	North Reference:	True
Reference Well:	SRC Wiedeman 21-5-3NBHZ	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 (9-24-14)	Offset TVD Reference:	Offset Datum

Offset Design Northridge Pad Sec.4-T5N-R66W - Northridge 4AD (Exist.) - Wellbore #1 - Wellbore #1												Offset Site Error:	0.0 ft
Survey Program: 182-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
10,200.0	7,223.0	7,385.3	7,195.5	89.2	28.9	91.42	-80.6	3,900.8	989.9	874.1	115.81	8.548	
10,300.0	7,223.0	7,384.1	7,194.3	91.9	28.9	91.31	-80.6	3,900.9	915.0	796.4	118.57	7.717	
10,400.0	7,223.0	7,382.9	7,193.1	94.7	28.9	91.20	-80.6	3,900.9	845.2	723.9	121.33	6.966	
10,500.0	7,223.0	7,381.7	7,191.9	97.5	28.9	91.09	-80.6	3,900.9	782.0	657.9	124.09	6.302	
10,600.0	7,223.0	7,380.5	7,190.7	100.2	28.9	90.98	-80.6	3,900.9	727.1	600.3	126.85	5.732	
10,700.0	7,223.0	7,379.3	7,189.5	103.0	28.9	90.87	-80.7	3,900.9	682.6	553.0	129.62	5.266	
10,800.0	7,223.0	7,378.1	7,188.3	105.8	28.9	90.76	-80.7	3,900.9	650.5	518.1	132.39	4.913	
10,900.0	7,223.0	7,376.9	7,187.1	108.5	28.9	90.65	-80.7	3,900.9	632.7	497.5	135.16	4.681	
10,964.1	7,223.0	7,376.1	7,186.4	110.3	28.9	90.58	-80.7	3,900.9	629.4	492.5	136.93	4.597 CC, ES	
11,000.0	7,223.0	7,375.7	7,185.9	111.3	28.9	90.54	-80.7	3,901.0	630.5	492.5	137.93	4.571 SF	
11,100.0	7,223.0	7,374.5	7,184.7	114.1	28.9	90.43	-80.7	3,901.0	644.0	503.3	140.70	4.577	
11,200.0	7,223.0	7,373.3	7,183.5	116.8	28.9	90.32	-80.7	3,901.0	672.2	528.7	143.47	4.685	
11,300.0	7,223.0	7,372.1	7,182.3	119.6	28.9	90.21	-80.7	3,901.0	713.5	567.2	146.25	4.879	
11,400.0	7,223.0	7,370.9	7,181.1	122.4	28.9	90.10	-80.7	3,901.0	765.6	616.6	149.02	5.138	
11,500.0	7,223.0	7,369.7	7,179.9	125.2	28.9	89.99	-80.8	3,901.0	826.7	674.9	151.80	5.446	
11,600.0	7,223.0	7,368.5	7,178.7	128.0	28.9	89.88	-80.8	3,901.0	894.7	740.2	154.57	5.788	
11,700.0	7,223.0	7,367.3	7,177.5	130.7	28.9	89.77	-80.8	3,901.1	968.3	811.0	157.35	6.154	

Company:	Synergy Resources	Local Co-ordinate Reference:	Well SRC Wiedeman 21-5-3NBHZ
Project:	Sec.5-T5N-R66W	TVD Reference:	WELL @ 4796.0ft (RKB - 13')
Reference Site:	SRC Wiedeman Pad Sec.5-T5N-R66W	MD Reference:	WELL @ 4796.0ft (RKB - 13')
Site Error:	0.0ft	North Reference:	True
Reference Well:	SRC Wiedeman 21-5-3NBHZ	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 (9-24-14)	Offset TVD Reference:	Offset Datum

Offset Design												Offset Site Error:	0.0 ft
Survey Program: 79-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
11,900.0	7,223.0	7,125.8	7,036.9	136.3	16.4	80.75	-398.9	5,059.3	993.3	843.2	150.08	6.618	
12,000.0	7,223.0	7,197.3	7,082.9	139.1	17.0	83.43	-393.7	5,113.7	973.3	818.9	154.47	6.301	
12,100.0	7,223.0	7,273.0	7,126.4	141.9	17.8	86.00	-387.1	5,175.3	957.2	798.4	158.75	6.029	
12,200.0	7,223.0	7,332.0	7,154.9	144.7	18.6	87.71	-381.7	5,226.6	944.9	782.3	162.57	5.812	
12,300.0	7,223.0	7,404.9	7,182.0	147.4	19.7	89.35	-376.2	5,294.1	936.7	770.0	166.65	5.621	
12,400.0	7,223.0	7,466.0	7,197.9	150.2	20.7	90.33	-373.6	5,352.9	933.0	762.5	170.51	5.472	
12,451.8	7,223.0	7,504.8	7,206.1	151.7	21.4	90.83	-373.1	5,390.8	932.7	760.0	172.68	5.401 CC	
12,500.0	7,223.0	7,541.1	7,212.6	153.0	22.1	91.24	-372.9	5,426.6	933.0	758.3	174.72	5.340	
12,600.0	7,223.0	7,639.0	7,225.1	155.8	24.1	92.00	-373.7	5,523.7	934.9	755.4	179.47	5.209	
12,700.0	7,223.0	7,746.4	7,231.3	158.6	26.4	92.38	-374.0	5,630.8	936.2	751.6	184.56	5.072	
12,800.0	7,223.0	7,855.3	7,234.1	161.4	28.8	92.55	-373.5	5,739.6	936.5	746.7	189.82	4.934	
12,900.0	7,223.0	7,958.4	7,233.9	164.2	31.2	92.53	-372.6	5,842.7	936.3	741.3	195.06	4.800	
13,000.0	7,223.0	8,056.5	7,231.2	167.0	33.6	92.37	-371.4	5,940.9	935.8	735.5	200.25	4.673	
13,013.8	7,223.0	8,068.5	7,230.8	167.4	33.9	92.35	-371.3	5,952.8	935.8	734.8	200.94	4.657	
13,100.0	7,223.0	8,148.2	7,229.3	169.8	35.9	92.25	-371.2	6,032.5	936.2	730.8	205.34	4.559	
13,200.0	7,223.0	8,234.1	7,229.5	172.6	38.1	92.26	-371.5	6,118.4	937.3	727.0	210.30	4.457	
13,300.0	7,223.0	8,317.8	7,228.5	175.3	40.2	92.19	-373.9	6,202.0	940.8	725.5	215.24	4.371	
13,400.0	7,223.0	8,415.3	7,228.9	178.1	42.7	92.21	-376.7	6,299.5	944.4	723.9	220.56	4.282	
13,500.0	7,223.0	8,513.0	7,229.0	180.9	45.2	92.21	-380.8	6,397.2	949.3	723.3	225.92	4.202	
13,600.0	7,223.0	8,637.2	7,229.7	183.7	48.5	92.24	-383.7	6,521.3	952.4	720.4	231.98	4.106	
13,700.0	7,223.0	8,748.8	7,227.8	186.5	51.5	92.12	-384.4	6,632.9	953.7	716.0	237.75	4.011	
13,800.0	7,223.0	8,892.6	7,225.1	189.3	55.3	91.96	-381.8	6,776.7	952.7	708.3	244.40	3.898	
13,900.0	7,223.0	8,995.6	7,223.4	192.1	58.1	91.87	-376.5	6,879.5	948.3	698.3	249.96	3.794	
14,000.0	7,223.0	9,088.0	7,221.5	194.9	60.5	91.76	-372.3	6,971.7	944.4	689.1	255.25	3.700	
14,100.0	7,223.0	9,177.0	7,220.8	197.7	62.9	91.72	-368.8	7,060.7	941.2	680.7	260.45	3.614	
14,169.1	7,223.0	9,224.5	7,220.4	199.6	64.2	91.70	-367.8	7,108.1	940.2	676.6	263.67	3.566	
14,200.0	7,223.0	9,244.0	7,220.1	200.5	64.8	91.68	-367.8	7,127.7	940.4	675.4	265.07	3.548	
14,300.0	7,223.0	9,330.9	7,218.3	203.3	67.1	91.57	-369.3	7,214.5	942.8	672.5	270.24	3.489	
14,400.0	7,223.0	9,422.2	7,217.0	206.1	69.6	91.49	-371.3	7,305.8	945.7	670.2	275.54	3.432	
14,500.0	7,223.0	9,538.6	7,215.1	208.9	72.8	91.37	-373.9	7,422.1	948.7	667.2	281.53	3.370	
14,600.0	7,223.0	9,632.4	7,214.4	211.7	75.4	91.32	-375.4	7,515.9	950.9	664.0	286.91	3.314	
14,700.0	7,223.0	9,742.2	7,215.2	214.5	78.4	91.37	-376.2	7,625.7	952.3	659.6	292.72	3.253	
14,800.0	7,223.0	9,830.4	7,215.8	217.3	80.8	91.40	-377.5	7,713.9	954.5	656.6	297.94	3.204	
14,900.0	7,223.0	9,938.6	7,214.6	220.1	83.8	91.32	-379.3	7,822.1	957.0	653.3	303.73	3.151	
15,000.0	7,223.0	10,045.1	7,214.9	222.9	86.7	91.34	-379.9	7,928.6	958.2	648.7	309.46	3.096	
15,100.0	7,223.0	10,134.1	7,215.9	225.7	89.2	91.40	-380.5	8,017.6	959.7	645.0	314.71	3.050	
15,200.0	7,223.0	10,229.8	7,217.2	228.5	91.8	91.47	-382.3	8,113.3	962.4	642.2	320.15	3.006	
15,300.0	7,223.0	10,315.1	7,218.0	231.3	94.2	91.52	-384.5	8,198.5	965.7	640.4	325.31	2.969	
15,400.0	7,223.0	10,393.2	7,217.1	234.1	96.3	91.45	-388.1	8,276.5	971.0	640.7	330.28	2.940	
15,500.0	7,223.0	10,536.2	7,214.6	236.9	100.3	91.30	-394.4	8,419.4	976.4	639.4	337.05	2.897	
15,600.0	7,223.0	10,668.6	7,216.0	239.7	104.0	91.38	-393.8	8,551.7	976.7	633.2	343.51	2.843	
15,700.0	7,223.0	10,770.3	7,217.0	242.5	106.8	91.44	-391.4	8,653.4	975.1	626.0	349.12	2.793	
15,764.0	7,223.0	10,820.1	7,216.7	244.3	108.2	91.42	-390.6	8,703.2	974.6	622.3	352.29	2.766	
15,800.0	7,223.0	10,846.6	7,216.5	245.3	108.9	91.41	-390.5	8,729.7	974.7	620.7	354.04	2.753	
15,900.0	7,223.0	10,982.7	7,217.8	248.1	112.7	91.49	-389.3	8,865.8	974.8	614.2	360.60	2.703	
16,000.0	7,223.0	11,084.6	7,219.9	250.9	115.5	91.62	-384.8	8,967.5	971.1	604.9	366.21	2.652	
16,100.0	7,223.0	11,168.8	7,220.4	253.7	117.8	91.65	-382.9	9,051.7	969.6	598.3	371.34	2.611	
16,200.0	7,223.0	11,273.2	7,222.0	256.5	120.7	91.75	-379.9	9,156.0	967.4	590.4	377.02	2.566	
16,300.0	7,223.0	11,356.6	7,222.9	259.3	123.0	91.80	-378.6	9,239.4	966.6	584.5	382.13	2.530	
16,301.8	7,223.0	11,358.2	7,222.9	259.3	123.1	91.80	-378.6	9,241.0	966.6	584.4	382.22	2.529	
16,400.0	7,223.0	11,442.7	7,223.4	262.1	125.4	91.83	-378.5	9,325.6	967.3	580.0	387.32	2.497	
16,500.0	7,223.0	11,523.3	7,224.4	264.9	127.7	91.88	-379.7	9,406.0	969.6	577.2	392.36	2.471	

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 Wiedeman 21-5-3NBHZ
Project:	Sec.5-T5N-R66W	TVD Reference:	WELL @ 4796.0ft (RKB - 13')
Reference Site:	SRC Wiedeman Pad Sec.5-T5N-R66W	MD Reference:	WELL @ 4796.0ft (RKB - 13')
Site Error:	0.0ft	North Reference:	True
Reference Well:	SRC Wiedeman 21-5-3NBHZ	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 (9-24-14)	Offset TVD Reference:	Offset Datum

Offset Design												Offset Site Error:	0.0 ft
SRC Kelly Farms Pad Sec.4-T5N-R66W - SRC Kelly Farms A-4-3CHZ - Wellbore #1 - Wellbore #1												Offset Well Error:	0.0 ft
Survey Program: 79-MWD													
Reference		Offset		Semi Major Axis			Distance						
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
16,600.0	7,223.0	11,601.8	7,225.4	267.7	129.9	91.94	-382.9	9,484.5	974.3	576.9	397.34	2.452	
16,700.0	7,223.0	11,707.8	7,226.4	270.5	132.8	91.98	-387.8	9,590.4	979.7	576.6	403.09	2.431	
16,800.0	7,223.0	11,823.1	7,227.3	273.3	136.0	92.03	-391.8	9,705.6	983.9	574.8	409.10	2.405	
16,900.0	7,223.0	11,946.1	7,226.8	276.1	139.5	92.00	-393.7	9,828.6	986.2	570.8	415.33	2.374	
17,000.0	7,223.0	12,005.0	7,224.8	278.9	141.1	91.87	-394.1	9,887.5	988.2	568.4	419.80	2.354 ES, SF	
17,044.9	7,223.0	12,005.0	7,224.8	280.1	141.1	91.87	-394.1	9,887.5	991.6	570.5	421.05	2.355	

Company:	Synergy Resources	Local Co-ordinate Reference:	Well SRC Wiedeman 21-5-3NBHZ
Project:	Sec.5-T5N-R66W	TVD Reference:	WELL @ 4796.0ft (RKB - 13')
Reference Site:	SRC Wiedeman Pad Sec.5-T5N-R66W	MD Reference:	WELL @ 4796.0ft (RKB - 13')
Site Error:	0.0ft	North Reference:	True
Reference Well:	SRC Wiedeman 21-5-3NBHZ	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 (9-24-14)	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.0 ft
Survey Program: 174-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		
11,500.0	7,223.0	6,830.9	6,748.0	125.2	17.1	57.78	-150.6	4,941.4	975.8	856.3	119.48	8.167		
11,600.0	7,223.0	6,883.0	6,785.2	128.0	17.4	59.92	-148.4	4,977.8	926.1	801.4	124.71	7.426		
11,700.0	7,223.0	6,933.0	6,819.8	130.7	17.7	62.01	-146.4	5,013.8	880.9	751.0	129.91	6.781		
11,800.0	7,223.0	6,985.3	6,854.3	133.5	18.1	64.20	-144.5	5,053.0	840.7	705.5	135.21	6.218		
11,900.0	7,223.0	7,043.6	6,890.4	136.3	18.6	66.57	-141.9	5,098.7	805.8	665.0	140.77	5.724		
12,000.0	7,223.0	7,094.0	6,919.4	139.1	19.1	68.55	-139.7	5,139.9	776.3	630.5	145.85	5.323		
12,100.0	7,223.0	7,150.0	6,949.7	141.9	19.7	70.73	-139.4	5,187.0	753.8	602.7	151.13	4.988		
12,200.0	7,223.0	7,201.9	6,975.4	144.7	20.3	72.66	-140.2	5,232.0	738.0	581.8	156.17	4.726		
12,300.0	7,223.0	7,271.6	7,005.5	147.4	21.3	74.98	-141.9	5,294.8	727.8	566.1	161.74	4.500		
12,400.0	7,223.0	7,345.4	7,031.6	150.2	22.6	77.03	-143.6	5,363.8	721.8	554.7	167.17	4.318		
12,467.3	7,223.0	7,388.1	7,044.0	152.1	23.3	78.03	-145.3	5,404.6	720.6	550.2	170.46	4.228 CC		
12,500.0	7,223.0	7,417.0	7,051.2	153.0	23.8	78.62	-146.9	5,432.6	721.0	548.7	172.26	4.185		
12,600.0	7,223.0	7,493.0	7,067.4	155.8	25.3	79.96	-151.9	5,506.7	724.1	546.7	177.35	4.083		
12,700.0	7,223.0	7,605.6	7,084.2	158.6	27.7	81.36	-158.0	5,617.8	727.8	544.5	183.29	3.971		
12,800.0	7,223.0	7,711.1	7,086.5	161.4	30.1	81.57	-160.1	5,723.2	730.1	541.5	188.58	3.871		
12,900.0	7,223.0	7,829.3	7,083.6	164.2	32.9	81.35	-159.2	5,841.3	730.4	536.4	194.03	3.764		
12,919.0	7,223.0	7,844.4	7,083.4	164.7	33.2	81.33	-159.0	5,856.5	730.3	535.4	194.91	3.747		
13,000.0	7,223.0	7,912.7	7,082.3	167.0	34.9	81.25	-159.2	5,924.7	731.2	532.5	198.77	3.679		
13,100.0	7,223.0	8,023.7	7,081.2	169.8	37.6	81.17	-158.9	6,035.7	731.8	527.6	204.25	3.583		
13,200.0	7,223.0	8,113.1	7,080.1	172.6	39.9	81.10	-158.8	6,125.1	732.6	523.4	209.22	3.501		
13,300.0	7,223.0	8,202.7	7,078.8	175.3	42.2	81.02	-160.4	6,214.7	735.3	521.1	214.23	3.432		
13,400.0	7,223.0	8,321.6	7,076.5	178.1	45.2	80.87	-161.8	6,333.6	737.6	517.6	219.96	3.353		
13,500.0	7,223.0	8,443.1	7,074.9	180.9	48.4	80.73	-159.4	6,455.0	736.5	510.7	225.78	3.262		
13,600.0	7,223.0	8,550.0	7,074.0	183.7	51.2	80.62	-155.0	6,561.8	733.3	502.1	231.26	3.171		
13,700.0	7,223.0	8,638.6	7,071.3	186.5	53.6	80.37	-151.6	6,650.3	730.8	494.6	236.17	3.094		
13,800.0	7,223.0	8,726.5	7,068.6	189.3	55.9	80.14	-149.7	6,738.2	729.8	488.8	241.09	3.027		
13,806.0	7,223.0	8,731.8	7,068.5	189.5	56.1	80.13	-149.6	6,743.5	729.8	488.5	241.39	3.023		
13,900.0	7,223.0	8,811.5	7,067.6	192.1	58.2	80.07	-149.6	6,823.1	730.6	484.6	246.05	2.969		
14,000.0	7,223.0	8,888.4	7,067.2	194.9	60.3	80.09	-151.8	6,900.0	734.2	483.4	250.87	2.927		
14,100.0	7,223.0	8,984.5	7,066.6	197.7	62.9	80.11	-156.2	6,996.0	739.6	483.4	256.22	2.887		
14,200.0	7,223.0	9,079.3	7,066.3	200.5	65.4	80.16	-161.2	7,090.7	745.6	484.0	261.56	2.850		
14,300.0	7,223.0	9,171.4	7,066.2	203.3	67.9	80.23	-166.6	7,182.6	752.1	485.3	266.85	2.819		
14,400.0	7,223.0	9,253.8	7,063.8	206.1	70.1	80.14	-172.9	7,264.8	760.8	489.0	271.76	2.800		
14,500.0	7,223.0	9,366.8	7,057.8	208.9	73.2	79.82	-181.4	7,377.2	769.9	492.6	277.28	2.777		
14,600.0	7,223.0	9,489.1	7,054.9	211.7	76.5	79.69	-187.6	7,499.3	776.0	492.8	283.24	2.740		
14,700.0	7,223.0	9,619.8	7,055.3	214.5	80.1	79.78	-190.8	7,630.0	779.0	489.4	289.60	2.690		
14,800.0	7,223.0	9,743.4	7,056.3	217.3	83.5	79.84	-189.4	7,753.6	778.5	482.7	295.76	2.632		
14,900.0	7,223.0	9,839.0	7,057.6	220.1	86.1	79.91	-186.8	7,849.2	776.3	475.1	301.17	2.578		
15,000.0	7,223.0	9,932.9	7,058.7	222.9	88.7	79.99	-185.4	7,943.0	775.4	468.8	306.55	2.529		
15,100.0	7,223.0	10,028.3	7,058.3	225.7	91.3	79.95	-184.2	8,038.4	775.0	463.1	311.87	2.485		
15,200.0	7,223.0	10,139.2	7,057.9	228.5	94.4	79.91	-182.4	8,149.3	774.1	456.5	317.61	2.437		
15,267.5	7,223.0	10,195.1	7,057.8	230.4	96.0	79.89	-181.6	8,205.2	773.6	452.7	320.98	2.410		
15,300.0	7,223.0	10,222.4	7,057.6	231.3	96.7	79.88	-181.5	8,232.5	773.8	451.1	322.61	2.398		
15,400.0	7,223.0	10,309.0	7,056.6	234.1	99.1	79.82	-181.4	8,319.1	774.7	447.0	327.66	2.364		
15,500.0	7,223.0	10,399.0	7,054.4	236.9	101.6	79.68	-182.7	8,409.0	777.3	444.5	332.74	2.336		
15,600.0	7,223.0	10,504.2	7,051.5	239.7	104.5	79.52	-185.1	8,514.1	780.7	442.5	338.20	2.308		
15,700.0	7,223.0	10,609.6	7,048.9	242.5	107.4	79.37	-187.0	8,619.5	783.7	440.0	343.67	2.280		
15,800.0	7,223.0	10,716.1	7,047.0	245.3	110.4	79.24	-187.4	8,726.0	785.2	436.0	349.19	2.249		
15,900.0	7,223.0	10,810.6	7,046.3	248.1	113.0	79.22	-188.4	8,820.4	787.0	432.5	354.50	2.220		
16,000.0	7,223.0	10,914.2	7,045.4	250.9	115.9	79.18	-189.8	8,924.0	789.2	429.2	360.05	2.192		
16,100.0	7,223.0	11,021.3	7,045.4	253.7	118.9	79.20	-190.4	9,031.2	790.5	424.7	365.75	2.161		
16,200.0	7,223.0	11,094.6	7,046.0	256.5	120.9	79.27	-191.8	9,104.5	793.0	422.4	370.59	2.140		

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 Wiedeman 21-5-3NBHZ
Project:	Sec.5-T5N-R66W	TVD Reference:	WELL @ 4796.0ft (RKB - 13')
Reference Site:	SRC Wiedeman Pad Sec.5-T5N-R66W	MD Reference:	WELL @ 4796.0ft (RKB - 13')
Site Error:	0.0ft	North Reference:	True
Reference Well:	SRC Wiedeman 21-5-3NBHZ	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 (9-24-14)	Offset TVD Reference:	Offset Datum

Offset Design												Offset Site Error:	0.0 ft
SRC Kelly Farms Pad Sec.4-T5N-R66W - SRC Kelly Farms A-4-3NHZ - Wellbore #1 - Wellbore #1												Offset Well Error:	0.0 ft
Survey Program: 174-MWD													
Reference		Offset		Semi Major Axis			Distance						
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
16,300.0	7,223.0	11,213.2	7,045.6	259.3	124.2	79.30	-195.1	9,223.0	796.6	419.9	376.63	2.115	
16,400.0	7,223.0	11,322.9	7,045.0	262.1	127.2	79.27	-195.4	9,332.7	797.6	415.2	382.35	2.086	
16,500.0	7,223.0	11,453.2	7,043.8	264.9	130.9	79.18	-193.7	9,462.9	797.4	408.9	388.55	2.052	
16,600.0	7,223.0	11,568.6	7,042.1	267.7	134.1	78.98	-187.4	9,578.2	793.0	398.8	394.20	2.012	
16,700.0	7,223.0	11,669.9	7,039.8	270.5	136.9	78.73	-180.4	9,679.2	787.5	388.1	399.35	1.972	
16,800.0	7,223.0	11,757.1	7,037.2	273.3	139.3	78.48	-175.6	9,766.2	783.3	379.1	404.14	1.938	
16,900.0	7,223.0	11,865.5	7,034.0	276.1	142.3	78.17	-169.4	9,874.4	779.0	369.6	409.38	1.903	
16,969.2	7,223.0	11,898.0	7,032.8	278.0	143.2	78.06	-167.4	9,906.8	776.6	364.6	412.00	1.885	
17,000.0	7,223.0	11,898.0	7,032.8	278.9	143.2	78.06	-167.4	9,906.8	777.2	364.4	412.85	1.883 ES, SF	
17,044.9	7,223.0	11,898.0	7,032.8	280.1	143.2	78.06	-167.4	9,906.8	780.3	366.2	414.08	1.884	

Company:	Synergy Resources	Local Co-ordinate Reference:	Well SRC Wiedeman 21-5-3NBHZ
Project:	Sec.5-T5N-R66W	TVD Reference:	WELL @ 4796.0ft (RKB - 13')
Reference Site:	SRC Wiedeman Pad Sec.5-T5N-R66W	MD Reference:	WELL @ 4796.0ft (RKB - 13')
Site Error:	0.0ft	North Reference:	True
Reference Well:	SRC Wiedeman 21-5-3NBHZ	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 (9-24-14)	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
0.0	0.0	0.0	0.0	0.0	0.0	-174.67	-14.9	-1.4	15.0	15.0	0.00	N/A	
100.0	100.0	100.0	100.0	0.1	0.1	-174.67	-14.9	-1.4	15.0	14.8	0.22	66.725	
200.0	200.0	200.0	200.0	0.3	0.3	-174.67	-14.9	-1.4	15.0	14.3	0.67	22.242	
300.0	300.0	300.0	300.0	0.6	0.6	-174.67	-14.9	-1.4	15.0	13.9	1.12	13.345	
400.0	400.0	400.0	400.0	0.8	0.8	-174.67	-14.9	-1.4	15.0	13.4	1.57	9.532	
500.0	500.0	500.0	500.0	1.0	1.0	-174.67	-14.9	-1.4	15.0	13.0	2.02	7.414	
600.0	600.0	600.0	600.0	1.2	1.2	-174.67	-14.9	-1.4	15.0	12.5	2.47	6.066	
700.0	700.0	700.0	700.0	1.5	1.5	-174.67	-14.9	-1.4	15.0	12.1	2.92	5.133	
800.0	800.0	800.0	800.0	1.7	1.7	-174.67	-14.9	-1.4	15.0	11.6	3.37	4.448	
900.0	900.0	900.0	900.0	1.9	1.9	-174.67	-14.9	-1.4	15.0	11.2	3.82	3.925	
1,000.0	1,000.0	1,000.0	1,000.0	2.1	2.1	-174.67	-14.9	-1.4	15.0	10.7	4.27	3.512 CC	
1,100.0	1,100.0	1,100.0	1,100.0	2.4	2.4	-164.09	-14.9	-1.4	16.7	11.9	4.72	3.532	
1,200.0	1,199.8	1,199.8	1,199.8	2.6	2.6	-167.85	-14.9	-1.4	21.7	16.6	5.16	4.211	
1,300.0	1,299.5	1,299.5	1,299.5	2.8	2.8	-171.29	-14.9	-1.4	30.3	24.7	5.61	5.410	
1,400.0	1,398.7	1,398.7	1,398.7	3.1	3.0	-173.76	-14.9	-1.4	42.4	36.4	6.04	7.022	
1,423.0	1,421.5	1,421.5	1,421.5	3.1	3.1	-174.20	-14.9	-1.4	45.7	39.5	6.14	7.442	
1,500.0	1,497.6	1,497.6	1,497.6	3.3	3.3	-175.35	-14.9	-1.4	57.0	50.5	6.49	8.785	
1,600.0	1,596.5	1,598.9	1,598.9	3.6	3.5	-175.97	-13.4	-2.1	70.0	63.1	6.94	10.094	
1,700.0	1,695.5	1,701.0	1,700.8	3.9	3.7	-175.75	-8.5	-4.2	79.7	72.3	7.40	10.776	
1,800.0	1,794.4	1,803.7	1,803.1	4.2	3.9	-174.93	-0.2	-7.7	85.9	78.1	7.86	10.930	
1,900.0	1,893.3	1,905.1	1,903.8	4.5	4.2	-173.65	10.9	-12.5	89.2	80.8	8.33	10.702	
2,000.0	1,992.2	2,005.0	2,003.0	4.8	4.4	-172.39	22.3	-17.4	92.0	83.2	8.80	10.451	
2,100.0	2,091.1	2,105.0	2,102.1	5.1	4.7	-171.21	33.6	-22.2	94.9	85.6	9.28	10.223	
2,200.0	2,190.0	2,204.9	2,201.3	5.5	5.0	-170.10	45.0	-27.1	97.9	88.1	9.77	10.018	
2,300.0	2,288.9	2,304.9	2,300.5	5.8	5.2	-169.05	56.3	-32.0	100.8	90.6	10.26	9.829	
2,400.0	2,387.8	2,404.8	2,399.7	6.1	5.5	-168.06	67.7	-36.9	103.8	93.1	10.75	9.657	
2,500.0	2,486.7	2,504.7	2,498.8	6.5	5.8	-167.13	79.0	-41.7	106.9	95.6	11.25	9.498	
2,600.0	2,585.7	2,604.7	2,598.0	6.8	6.1	-166.26	90.4	-46.6	109.9	98.2	11.76	9.352	
2,700.0	2,684.6	2,704.6	2,697.2	7.1	6.4	-165.43	101.7	-51.5	113.0	100.8	12.26	9.216	
2,800.0	2,783.5	2,804.5	2,796.4	7.5	6.6	-164.64	113.1	-56.3	116.1	103.4	12.78	9.090	
2,900.0	2,882.4	2,904.5	2,895.5	7.8	6.9	-163.89	124.4	-61.2	119.3	106.0	13.29	8.973	
3,000.0	2,981.3	3,004.4	2,994.7	8.1	7.2	-163.19	135.7	-66.1	122.4	108.6	13.81	8.863	
3,100.0	3,080.2	3,104.4	3,093.9	8.5	7.5	-162.51	147.1	-70.9	125.6	111.2	14.33	8.761	
3,200.0	3,179.1	3,204.3	3,193.1	8.8	7.8	-161.88	158.4	-75.8	128.8	113.9	14.86	8.665	
3,300.0	3,278.0	3,304.2	3,292.2	9.2	8.1	-161.27	169.8	-80.7	132.0	116.6	15.39	8.575	
3,400.0	3,377.0	3,404.2	3,391.4	9.5	8.4	-160.69	181.1	-85.6	135.2	119.3	15.92	8.490	
3,500.0	3,475.9	3,504.1	3,490.6	9.9	8.7	-160.14	192.5	-90.4	138.4	121.9	16.46	8.409	
3,600.0	3,574.8	3,604.1	3,589.8	10.2	9.0	-159.61	203.8	-95.3	141.6	124.6	17.00	8.334	
3,700.0	3,673.7	3,704.0	3,688.9	10.5	9.3	-159.11	215.2	-100.2	144.9	127.4	17.54	8.262	
3,800.0	3,772.6	3,803.9	3,788.1	10.9	9.7	-158.63	226.5	-105.0	148.2	130.1	18.08	8.195	
3,900.0	3,871.5	3,903.9	3,887.3	11.2	10.0	-158.17	237.9	-109.9	151.4	132.8	18.62	8.130	
4,000.0	3,970.4	4,003.8	3,986.4	11.6	10.3	-157.73	249.2	-114.8	154.7	135.5	19.17	8.069	
4,100.0	4,069.3	4,103.8	4,085.6	11.9	10.6	-157.30	260.5	-119.7	158.0	138.3	19.72	8.012	
4,200.0	4,168.2	4,203.7	4,184.8	12.3	10.9	-156.90	271.9	-124.5	161.3	141.0	20.27	7.956	
4,300.0	4,267.2	4,300.0	4,280.4	12.6	11.2	-156.56	282.6	-129.1	164.8	144.0	20.80	7.924	
4,400.0	4,366.1	4,397.1	4,377.1	13.0	11.4	-156.74	291.1	-132.8	170.5	149.3	21.24	8.029	
4,500.0	4,465.0	4,491.9	4,471.7	13.3	11.6	-157.47	296.4	-135.1	179.0	157.4	21.63	8.276	
4,600.0	4,563.9	4,586.1	4,565.8	13.7	11.7	-158.63	298.9	-136.1	190.3	168.3	21.98	8.659	
4,614.8	4,578.5	4,600.0	4,579.7	13.7	11.8	-158.84	299.0	-136.2	192.2	170.2	22.03	8.726	
4,700.0	4,663.0	4,683.3	4,663.0	14.0	11.9	-160.03	299.1	-136.2	202.7	180.4	22.32	9.084	
4,800.0	4,762.5	4,782.8	4,762.5	14.2	12.1	-161.02	299.1	-136.2	212.2	189.5	22.65	9.368	
4,900.0	4,862.3	4,882.5	4,862.3	14.4	12.3	-161.62	299.1	-136.2	218.4	195.4	22.99	9.501	

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 Wiedeman 21-5-3NBHZ
Project:	Sec.5-T5N-R66W	TVD Reference:	WELL @ 4796.0ft (RKB - 13')
Reference Site:	SRC Wiedeman Pad Sec.5-T5N-R66W	MD Reference:	WELL @ 4796.0ft (RKB - 13')
Site Error:	0.0ft	North Reference:	True
Reference Well:	SRC Wiedeman 21-5-3NBHZ	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 (9-24-14)	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
5,000.0	4,962.2	4,982.5	4,962.2	14.6	12.5	-161.88	299.1	-136.2	221.3	198.0	23.31	9.493	
5,037.8	5,000.0	5,020.3	5,000.0	14.6	12.5	-174.30	299.1	-136.2	221.5	195.1	26.47	8.371	
5,100.0	5,062.2	5,082.5	5,062.2	14.7	12.7	-174.30	299.1	-136.2	221.5	194.9	26.68	8.303	
5,200.0	5,162.2	5,182.5	5,162.2	14.9	12.8	-174.30	299.1	-136.2	221.5	194.5	27.05	8.191	
5,300.0	5,262.2	5,282.5	5,262.2	15.0	13.0	-174.30	299.1	-136.2	221.5	194.1	27.42	8.081	
5,400.0	5,362.2	5,382.5	5,362.2	15.2	13.2	-174.30	299.1	-136.2	221.5	193.8	27.79	7.973	
5,500.0	5,462.2	5,482.5	5,462.2	15.4	13.4	-174.30	299.1	-136.2	221.5	193.4	28.16	7.867	
5,600.0	5,562.2	5,582.5	5,562.2	15.5	13.6	-174.30	299.1	-136.2	221.5	193.0	28.54	7.764	
5,700.0	5,662.2	5,682.5	5,662.2	15.7	13.8	-174.30	299.1	-136.2	221.5	192.6	28.91	7.663	
5,800.0	5,762.2	5,782.5	5,762.2	15.9	14.0	-174.30	299.1	-136.2	221.5	192.3	29.29	7.564	
5,900.0	5,862.2	5,882.5	5,862.2	16.1	14.2	-174.30	299.1	-136.2	221.5	191.9	29.67	7.466	
6,000.0	5,962.2	5,982.5	5,962.2	16.2	14.4	-174.30	299.1	-136.2	221.5	191.5	30.06	7.371	
6,100.0	6,062.2	6,082.5	6,062.2	16.4	14.6	-174.30	299.1	-136.2	221.5	191.1	30.44	7.278	
6,200.0	6,162.2	6,182.5	6,162.2	16.6	14.8	-174.30	299.1	-136.2	221.5	190.7	30.83	7.187	
6,300.0	6,262.2	6,282.5	6,262.2	16.8	15.0	-174.30	299.1	-136.2	221.5	190.3	31.21	7.098	
6,400.0	6,362.2	6,383.3	6,363.0	16.9	15.2	-174.43	299.1	-135.7	221.5	189.9	31.61	7.008	
6,500.0	6,462.2	6,485.4	6,464.4	17.1	15.4	-177.26	299.2	-124.7	220.6	188.5	32.10	6.874	
6,544.6	6,506.8	6,529.5	6,507.5	17.2	15.5	-179.65	299.2	-115.5	220.3	188.0	32.34	6.812	
6,550.0	6,512.2	6,534.7	6,512.6	17.2	15.5	90.44	299.2	-114.3	220.3	190.8	29.50	7.467	
6,557.4	6,519.6	6,542.0	6,519.6	17.2	15.5	90.00	299.2	-112.5	220.3	190.8	29.51	7.465	
6,600.0	6,562.1	6,583.0	6,559.0	17.3	15.5	87.45	299.3	-100.8	220.5	191.0	29.57	7.458	
6,650.0	6,611.8	6,630.6	6,603.7	17.4	15.6	84.50	299.4	-84.6	221.4	191.7	29.65	7.467	
6,700.0	6,661.0	6,677.4	6,646.6	17.4	15.6	81.62	299.6	-65.7	222.8	193.0	29.74	7.490	
6,750.0	6,709.4	6,723.6	6,687.5	17.5	15.7	78.83	299.7	-44.4	224.8	194.9	29.86	7.526	
6,800.0	6,756.8	6,769.2	6,726.5	17.6	15.7	76.15	299.9	-20.9	227.2	197.2	30.00	7.573	
6,850.0	6,803.0	6,814.2	6,763.5	17.6	15.8	73.60	300.1	4.8	230.0	199.9	30.15	7.629	
6,900.0	6,847.8	6,858.7	6,798.4	17.7	15.8	71.18	300.3	32.4	233.2	202.9	30.32	7.694	
6,950.0	6,890.9	6,900.0	6,829.2	17.7	15.9	69.03	300.5	59.9	236.7	206.2	30.46	7.770	
7,000.0	6,932.1	6,946.2	6,861.7	17.8	16.0	66.80	300.8	92.7	240.3	209.7	30.64	7.843	
7,050.0	6,971.3	6,989.3	6,890.1	17.9	16.2	64.83	301.0	125.2	244.1	213.3	30.82	7.920	
7,100.0	7,008.2	7,032.1	6,916.2	17.9	16.5	63.02	301.2	159.0	247.9	216.9	31.00	7.995	
7,150.0	7,042.6	7,074.4	6,940.1	18.0	16.8	61.37	301.5	194.0	251.7	220.5	31.21	8.065	
7,200.0	7,074.5	7,116.5	6,961.7	18.2	17.2	59.86	301.8	230.1	255.4	224.0	31.43	8.125	
7,250.0	7,103.6	7,158.3	6,981.0	18.4	17.7	58.50	302.0	267.1	259.0	227.3	31.70	8.169	
7,300.0	7,129.7	7,200.0	6,998.2	18.7	18.2	57.27	302.3	305.1	262.4	230.4	32.02	8.194	
7,350.0	7,152.9	7,241.1	7,012.8	19.1	18.8	56.20	302.6	343.5	265.6	233.2	32.41	8.194	
7,400.0	7,172.9	7,282.1	7,025.3	19.6	19.4	55.25	302.9	382.6	268.5	235.6	32.88	8.166	
7,450.0	7,189.6	7,323.0	7,035.4	20.3	20.1	54.43	303.2	422.2	271.1	237.7	33.44	8.108	
7,500.0	7,203.0	7,363.8	7,043.2	21.0	20.8	53.74	303.5	462.2	273.4	239.3	34.09	8.020	
7,550.0	7,213.0	7,400.0	7,048.3	21.8	21.5	53.21	303.7	498.1	275.4	240.6	34.79	7.915	
7,600.0	7,219.6	7,444.9	7,052.0	22.7	22.3	52.72	304.1	542.8	276.9	241.2	35.71	7.753	
7,650.0	7,222.7	7,486.1	7,053.0	23.6	23.1	52.39	304.4	584.0	278.1	241.4	36.70	7.577	
7,669.6	7,223.0	7,505.7	7,053.0	24.0	23.5	52.34	304.5	603.6	278.2	241.0	37.19	7.480	
7,700.0	7,223.0	7,536.1	7,053.0	24.6	24.1	52.34	304.7	634.0	278.2	240.0	38.18	7.288	
7,800.0	7,223.0	7,636.1	7,053.0	26.6	26.3	52.33	305.5	734.0	278.2	236.7	41.53	6.698	
7,900.0	7,223.0	7,736.1	7,053.0	28.8	28.5	52.33	306.2	834.0	278.2	233.1	45.10	6.169	
8,000.0	7,223.0	7,836.1	7,053.0	31.1	30.9	52.33	306.9	934.0	278.2	229.4	48.82	5.699	
8,100.0	7,223.0	7,936.1	7,053.0	33.4	33.3	52.33	307.7	1,034.0	278.2	225.5	52.67	5.282	
8,200.0	7,223.0	8,036.1	7,053.0	35.9	35.7	52.33	308.4	1,134.0	278.2	221.6	56.62	4.914	
8,300.0	7,223.0	8,136.1	7,053.0	38.3	38.3	52.33	309.1	1,234.0	278.2	217.5	60.65	4.587	
8,400.0	7,223.0	8,236.1	7,053.0	40.9	40.8	52.33	309.9	1,334.0	278.2	213.4	64.74	4.297	
8,500.0	7,223.0	8,336.1	7,053.0	43.4	43.4	52.33	310.6	1,434.0	278.2	209.3	68.89	4.038	

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 Wiedeman 21-5-3NBHZ
Project:	Sec.5-T5N-R66W	TVD Reference:	WELL @ 4796.0ft (RKB - 13')
Reference Site:	SRC Wiedeman Pad Sec.5-T5N-R66W	MD Reference:	WELL @ 4796.0ft (RKB - 13')
Site Error:	0.0ft	North Reference:	True
Reference Well:	SRC Wiedeman 21-5-3NBHZ	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 (9-24-14)	Offset TVD Reference:	Offset Datum

Offset Design		SRC Wiedeman Pad Sec.5-T5N-R66W - SRC Wiedeman 11-5-3NCHZ - Wellbore #1 - Plan #3 (9-24-14										Offset Site Error:		0.0 ft		
Survey Program: 0-MWD														Offset Well Error:		0.0 ft
Reference		Offset		Semi Major Axis			Distance							Warning		
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor				
8,600.0	7,223.0	8,436.1	7,053.0	46.0	46.0	52.33	311.3	1,534.0	278.2	205.1	73.08	3.806				
8,700.0	7,223.0	8,536.1	7,053.0	48.6	48.6	52.33	312.1	1,634.0	278.2	200.8	77.32	3.598				
8,800.0	7,223.0	8,636.1	7,053.0	51.2	51.3	52.32	312.8	1,734.0	278.1	196.6	81.58	3.410				
8,900.0	7,223.0	8,736.1	7,053.0	53.9	54.0	52.32	313.5	1,834.0	278.1	192.3	85.87	3.239				
9,000.0	7,223.0	8,836.1	7,053.0	56.5	56.6	52.32	314.3	1,934.0	278.1	188.0	90.18	3.084				
9,100.0	7,223.0	8,936.1	7,053.0	59.2	59.3	52.32	315.0	2,034.0	278.1	183.6	94.51	2.943				
9,200.0	7,223.0	9,036.1	7,053.0	61.9	62.0	52.32	315.8	2,134.0	278.1	179.3	98.86	2.813				
9,300.0	7,223.0	9,136.1	7,053.0	64.6	64.7	52.32	316.5	2,233.9	278.1	174.9	103.23	2.694				
9,400.0	7,223.0	9,236.1	7,053.0	67.3	67.5	52.32	317.2	2,333.9	278.1	170.5	107.61	2.585				
9,500.0	7,223.0	9,336.1	7,053.0	70.0	70.2	52.32	318.0	2,433.9	278.1	166.1	112.00	2.483				
9,600.0	7,223.0	9,436.1	7,053.0	72.7	72.9	52.32	318.7	2,533.9	278.1	161.7	116.40	2.389				
9,700.0	7,223.0	9,536.1	7,053.0	75.5	75.7	52.32	319.4	2,633.9	278.1	157.3	120.81	2.302				
9,800.0	7,223.0	9,636.1	7,053.0	78.2	78.4	52.32	320.2	2,733.9	278.1	152.9	125.22	2.221				
9,900.0	7,223.0	9,736.1	7,053.0	80.9	81.2	52.31	320.9	2,833.9	278.1	148.4	129.65	2.145				
10,000.0	7,223.0	9,836.1	7,053.0	83.7	83.9	52.31	321.6	2,933.9	278.1	144.0	134.08	2.074				
10,100.0	7,223.0	9,936.1	7,053.0	86.4	86.7	52.31	322.4	3,033.9	278.1	139.6	138.52	2.008				
10,200.0	7,223.0	10,036.1	7,053.0	89.2	89.4	52.31	323.1	3,133.9	278.1	135.1	142.96	1.945				
10,300.0	7,223.0	10,136.1	7,053.0	91.9	92.2	52.31	323.8	3,233.9	278.1	130.7	147.40	1.886				
10,400.0	7,223.0	10,236.1	7,053.0	94.7	94.9	52.31	324.6	3,333.9	278.1	126.2	151.86	1.831				
10,500.0	7,223.0	10,336.1	7,053.0	97.5	97.7	52.31	325.3	3,433.9	278.0	121.7	156.31	1.779				
10,600.0	7,223.0	10,436.1	7,053.0	100.2	100.5	52.31	326.0	3,533.9	278.0	117.3	160.77	1.729				
10,700.0	7,223.0	10,536.1	7,053.0	103.0	103.2	52.31	326.8	3,633.9	278.0	112.8	165.23	1.683				
10,800.0	7,223.0	10,636.1	7,053.0	105.8	106.0	52.31	327.5	3,733.9	278.0	108.3	169.70	1.638				
10,900.0	7,223.0	10,736.1	7,053.0	108.5	108.8	52.31	328.2	3,833.9	278.0	103.9	174.17	1.596				
11,000.0	7,223.0	10,836.1	7,053.0	111.3	111.6	52.30	329.0	3,933.9	278.0	99.4	178.64	1.556				
11,100.0	7,223.0	10,936.1	7,053.0	114.1	114.3	52.30	329.7	4,033.9	278.0	94.9	183.12	1.518				
11,200.0	7,223.0	11,036.1	7,053.0	116.8	117.1	52.30	330.5	4,133.9	278.0	90.4	187.59	1.482 Level 3				
11,300.0	7,223.0	11,136.1	7,053.0	119.6	119.9	52.30	331.2	4,233.9	278.0	85.9	192.07	1.447 Level 3				
11,400.0	7,223.0	11,236.1	7,053.0	122.4	122.7	52.30	331.9	4,333.9	278.0	81.4	196.55	1.414 Level 3				
11,500.0	7,223.0	11,336.1	7,053.0	125.2	125.5	52.30	332.7	4,433.9	278.0	77.0	201.03	1.383 Level 3				
11,600.0	7,223.0	11,436.1	7,053.0	128.0	128.2	52.30	333.4	4,533.9	278.0	72.5	205.52	1.353 Level 3				
11,700.0	7,223.0	11,536.1	7,053.0	130.7	131.0	52.30	334.1	4,633.9	278.0	68.0	210.00	1.324 Level 3				
11,800.0	7,223.0	11,636.1	7,053.0	133.5	133.8	52.30	334.9	4,733.9	278.0	63.5	214.49	1.296 Level 3				
11,900.0	7,223.0	11,736.1	7,053.0	136.3	136.6	52.30	335.6	4,833.9	278.0	59.0	218.98	1.269 Level 3				
12,000.0	7,223.0	11,836.1	7,053.0	139.1	139.4	52.29	336.3	4,933.9	278.0	54.5	223.47	1.244 Level 2				
12,100.0	7,223.0	11,936.1	7,053.0	141.9	142.2	52.29	337.1	5,033.9	278.0	50.0	227.96	1.219 Level 2				
12,200.0	7,223.0	12,036.1	7,053.0	144.7	145.0	52.29	337.8	5,133.9	277.9	45.5	232.45	1.196 Level 2				
12,300.0	7,223.0	12,136.1	7,053.0	147.4	147.8	52.29	338.5	5,233.9	277.9	41.0	236.94	1.173 Level 2				
12,400.0	7,223.0	12,236.1	7,053.0	150.2	150.5	52.29	339.3	5,333.9	277.9	36.5	241.44	1.151 Level 2				
12,500.0	7,223.0	12,336.1	7,053.0	153.0	153.3	52.29	340.0	5,433.9	277.9	32.0	245.93	1.130 Level 2				
12,600.0	7,223.0	12,436.1	7,053.0	155.8	156.1	52.29	340.7	5,533.9	277.9	27.5	250.43	1.110 Level 2				
12,700.0	7,223.0	12,536.1	7,053.0	158.6	158.9	52.29	341.5	5,633.9	277.9	23.0	254.92	1.090 Level 2				
12,800.0	7,223.0	12,636.1	7,053.0	161.4	161.7	52.29	342.2	5,733.9	277.9	18.5	259.42	1.071 Level 2				
12,900.0	7,223.0	12,736.1	7,053.0	164.2	164.5	52.29	342.9	5,833.9	277.9	14.0	263.92	1.053 Level 2				
13,000.0	7,223.0	12,836.1	7,053.0	167.0	167.3	52.29	343.7	5,933.8	277.9	9.5	268.42	1.035 Level 2				
13,100.0	7,223.0	12,936.1	7,053.0	169.8	170.1	52.28	344.4	6,033.8	277.9	5.0	272.92	1.018 Level 2				
13,200.0	7,223.0	13,036.1	7,053.0	172.6	172.9	52.28	345.2	6,133.8	277.9	0.5	277.42	1.002 Level 2				
13,300.0	7,223.0	13,136.1	7,053.0	175.3	175.7	52.28	345.9	6,233.8	277.9	-4.0	281.92	0.986 Level 1				
13,400.0	7,223.0	13,236.1	7,053.0	178.1	178.5	52.28	346.6	6,333.8	277.9	-8.5	286.42	0.970 Level 1				
13,500.0	7,223.0	13,336.1	7,053.0	180.9	181.3	52.28	347.4	6,433.8	277.9	-13.0	290.92	0.955 Level 1				
13,600.0	7,223.0	13,436.1	7,053.0	183.7	184.1	52.28	348.1	6,533.8	277.9	-17.6	295.42	0.941 Level 1				
13,700.0	7,223.0	13,536.1	7,053.0	186.5	186.9	52.28	348.8	6,633.8	277.9	-22.1	299.92	0.926 Level 1				

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

Offset Design SRC Wiedeman Pad Sec.5-T5N-R66W - SRC Wiedeman 11-5-3NCHZ - Wellbore #1 - Plan #3 (9-24-14)													Offset Site Error: 0.0 ft	
Survey Program: 0-MWD													Offset Well Error: 0.0 ft	
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset	Highside Toolface	Offset Wellbore Centre		Between Centres	Between Ellipses	Minimum Separation	Separation Factor		
(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(°)	+N/-S (ft)	+E/-W (ft)	(ft)	(ft)	(ft)			
13,800.0	7,223.0	13,636.1	7,053.0	189.3	189.7	52.28	349.6	6,733.8	277.9	-26.6	304.43	0.913 Level 1		
13,900.0	7,223.0	13,736.1	7,053.0	192.1	192.5	52.28	350.3	6,833.8	277.8	-31.1	308.93	0.899 Level 1		
14,000.0	7,223.0	13,836.1	7,053.0	194.9	195.3	52.28	351.0	6,933.8	277.8	-35.6	313.43	0.886 Level 1		
14,100.0	7,223.0	13,936.1	7,053.0	197.7	198.0	52.28	351.8	7,033.8	277.8	-40.1	317.94	0.874 Level 1		
14,200.0	7,223.0	14,036.1	7,053.0	200.5	200.8	52.27	352.5	7,133.8	277.8	-44.6	322.44	0.862 Level 1		
14,300.0	7,223.0	14,136.1	7,053.0	203.3	203.6	52.27	353.2	7,233.8	277.8	-49.1	326.95	0.850 Level 1		
14,400.0	7,223.0	14,236.1	7,053.0	206.1	206.4	52.27	354.0	7,333.8	277.8	-53.6	331.45	0.838 Level 1		
14,500.0	7,223.0	14,336.1	7,053.0	208.9	209.2	52.27	354.7	7,433.8	277.8	-58.1	335.96	0.827 Level 1		
14,600.0	7,223.0	14,436.1	7,053.0	211.7	212.0	52.27	355.4	7,533.8	277.8	-62.7	340.46	0.816 Level 1		
14,700.0	7,223.0	14,536.1	7,053.0	214.5	214.8	52.27	356.2	7,633.8	277.8	-67.2	344.97	0.805 Level 1		
14,800.0	7,223.0	14,636.1	7,053.0	217.3	217.6	52.27	356.9	7,733.8	277.8	-71.7	349.48	0.795 Level 1		
14,900.0	7,223.0	14,736.1	7,053.0	220.1	220.4	52.27	357.6	7,833.8	277.8	-76.2	353.98	0.785 Level 1		
15,000.0	7,223.0	14,836.1	7,053.0	222.9	223.2	52.27	358.4	7,933.8	277.8	-80.7	358.49	0.775 Level 1		
15,100.0	7,223.0	14,936.1	7,053.0	225.7	226.0	52.27	359.1	8,033.8	277.8	-85.2	363.00	0.765 Level 1		
15,200.0	7,223.0	15,036.1	7,053.0	228.5	228.8	52.27	359.9	8,133.8	277.8	-89.7	367.50	0.756 Level 1		
15,300.0	7,223.0	15,136.1	7,053.0	231.3	231.6	52.26	360.6	8,233.8	277.8	-94.2	372.01	0.747 Level 1		
15,400.0	7,223.0	15,236.1	7,053.0	234.1	234.4	52.26	361.3	8,333.8	277.8	-98.8	376.52	0.738 Level 1		
15,500.0	7,223.0	15,336.1	7,053.0	236.9	237.2	52.26	362.1	8,433.8	277.8	-103.3	381.03	0.729 Level 1		
15,600.0	7,223.0	15,436.1	7,053.0	239.7	240.0	52.26	362.8	8,533.8	277.7	-107.8	385.53	0.720 Level 1		
15,700.0	7,223.0	15,536.1	7,053.0	242.5	242.8	52.26	363.5	8,633.8	277.7	-112.3	390.04	0.712 Level 1		
15,800.0	7,223.0	15,636.1	7,053.0	245.3	245.6	52.26	364.3	8,733.8	277.7	-116.8	394.55	0.704 Level 1		
15,900.0	7,223.0	15,736.1	7,053.0	248.1	248.4	52.26	365.0	8,833.8	277.7	-121.3	399.06	0.696 Level 1		
16,000.0	7,223.0	15,836.1	7,053.0	250.9	251.2	52.26	365.7	8,933.8	277.7	-125.8	403.57	0.688 Level 1		
16,100.0	7,223.0	15,936.1	7,053.0	253.7	254.0	52.26	366.5	9,033.8	277.7	-130.4	408.07	0.681 Level 1		
16,200.0	7,223.0	16,036.1	7,053.0	256.5	256.8	52.26	367.2	9,133.8	277.7	-134.9	412.58	0.673 Level 1		
16,300.0	7,223.0	16,136.1	7,053.0	259.3	259.6	52.25	367.9	9,233.8	277.7	-139.4	417.09	0.666 Level 1		
16,400.0	7,223.0	16,236.1	7,053.0	262.1	262.4	52.25	368.7	9,333.8	277.7	-143.9	421.60	0.659 Level 1		
16,500.0	7,223.0	16,336.1	7,053.0	264.9	265.2	52.25	369.4	9,433.8	277.7	-148.4	426.11	0.652 Level 1		
16,600.0	7,223.0	16,436.1	7,053.0	267.7	268.0	52.25	370.1	9,533.8	277.7	-152.9	430.62	0.645 Level 1		
16,700.0	7,223.0	16,536.1	7,053.0	270.5	270.8	52.25	370.9	9,633.7	277.7	-157.4	435.13	0.638 Level 1		
16,800.0	7,223.0	16,636.1	7,053.0	273.3	273.6	52.25	371.6	9,733.7	277.7	-162.0	439.64	0.632 Level 1		
16,900.0	7,223.0	16,736.1	7,053.0	276.1	276.5	52.25	372.4	9,833.7	277.7	-166.5	444.15	0.625 Level 1		
17,000.0	7,223.0	16,836.1	7,053.0	278.9	279.3	52.25	373.1	9,933.7	277.7	-171.0	448.65	0.619 Level 1		
17,021.2	7,223.0	16,857.3	7,053.0	279.5	279.8	52.25	373.2	9,954.9	277.7	-171.9	449.61	0.618 Level 1, ES, SF		
17,044.9	7,223.0	16,859.5	7,053.0	280.1	279.9	52.25	373.3	9,957.1	278.5	-171.7	450.19	0.619 Level 1		

Company:	Synergy Resources	Local Co-ordinate Reference:	Well SRC Wiedeman 21-5-3NBHZ
Project:	Sec.5-T5N-R66W	TVD Reference:	WELL @ 4796.0ft (RKB - 13')
Reference Site:	SRC Wiedeman Pad Sec.5-T5N-R66W	MD Reference:	WELL @ 4796.0ft (RKB - 13')
Site Error:	0.0ft	North Reference:	True
Reference Well:	SRC Wiedeman 21-5-3NBHZ	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 (9-24-14)	Offset TVD Reference:	Offset Datum

Offset Design SRC Wiedeman Pad Sec.5-T5N-R66W - SRC Wiedeman 12-5-4CHZ - Wellbore #1 - Plan #3 (9-24-14)													Offset Site Error:	0.0ft
Survey Program: 0-MWD													Offset Well Error:	0.0ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.0	0.0	0.0	0.0	0.0	0.0	-174.32	-44.8	-4.5	45.0					
100.0	100.0	100.0	100.0	0.1	0.1	-174.32	-44.8	-4.5	45.0	44.8	0.22	200.330		
200.0	200.0	200.0	200.0	0.3	0.3	-174.32	-44.8	-4.5	45.0	44.4	0.67	66.777		
300.0	300.0	300.0	300.0	0.6	0.6	-174.32	-44.8	-4.5	45.0	43.9	1.12	40.066		
400.0	400.0	400.0	400.0	0.8	0.8	-174.32	-44.8	-4.5	45.0	43.5	1.57	28.619		
500.0	500.0	500.0	500.0	1.0	1.0	-174.32	-44.8	-4.5	45.0	43.0	2.02	22.259		
600.0	600.0	600.0	600.0	1.2	1.2	-174.32	-44.8	-4.5	45.0	42.6	2.47	18.212		
700.0	700.0	700.0	700.0	1.5	1.5	-174.32	-44.8	-4.5	45.0	42.1	2.92	15.410		
800.0	800.0	800.0	800.0	1.7	1.7	-174.32	-44.8	-4.5	45.0	41.7	3.37	13.355		
900.0	900.0	900.0	900.0	1.9	1.9	-174.32	-44.8	-4.5	45.0	41.2	3.82	11.784		
1,000.0	1,000.0	1,000.0	1,000.0	2.1	2.1	-174.32	-44.8	-4.5	45.0	40.8	4.27	10.544 CC, ES		
1,100.0	1,100.0	1,100.0	1,100.0	2.4	2.4	-162.58	-44.8	-4.5	46.7	42.0	4.72	9.893		
1,200.0	1,199.8	1,199.8	1,199.8	2.6	2.6	-164.29	-44.8	-4.5	51.7	46.5	5.16	10.011		
1,300.0	1,299.5	1,299.5	1,299.5	2.8	2.8	-166.50	-44.8	-4.5	60.1	54.5	5.61	10.728		
1,400.0	1,398.7	1,398.7	1,398.7	3.1	3.0	-168.71	-44.8	-4.5	72.1	66.0	6.04	11.925		
1,423.0	1,421.5	1,421.1	1,421.1	3.1	3.1	-169.14	-44.9	-4.5	75.3	69.2	6.14	12.280		
1,500.0	1,497.6	1,495.5	1,495.4	3.3	3.2	-169.85	-46.0	-5.5	87.7	81.2	6.46	13.561		
1,600.0	1,596.5	1,591.4	1,591.2	3.6	3.4	-169.46	-49.8	-8.5	105.8	99.0	6.88	15.392		
1,700.0	1,695.5	1,686.3	1,685.8	3.9	3.6	-168.22	-55.9	-13.5	126.5	119.2	7.30	17.334		
1,800.0	1,794.4	1,782.6	1,781.5	4.2	3.8	-166.71	-64.0	-20.1	149.1	141.4	7.73	19.287		
1,900.0	1,893.3	1,879.9	1,878.2	4.5	4.0	-165.54	-72.2	-26.9	172.0	163.8	8.17	21.045		
2,000.0	1,992.2	1,977.2	1,974.9	4.8	4.2	-164.65	-80.5	-33.7	194.9	186.2	8.62	22.609		
2,100.0	2,091.1	2,074.5	2,071.6	5.1	4.4	-163.94	-88.8	-40.5	217.8	208.7	9.07	24.006		
2,200.0	2,190.0	2,171.8	2,168.4	5.5	4.7	-163.37	-97.1	-47.3	240.7	231.2	9.53	25.258		
2,300.0	2,288.9	2,269.1	2,265.1	5.8	4.9	-162.90	-105.4	-54.1	263.7	253.7	10.00	26.380		
2,400.0	2,387.8	2,366.4	2,361.8	6.1	5.2	-162.50	-113.7	-60.9	286.7	276.2	10.47	27.396		
2,500.0	2,486.7	2,463.7	2,458.5	6.5	5.5	-162.17	-122.0	-67.7	309.7	298.8	10.94	28.316		
2,600.0	2,585.7	2,561.0	2,555.2	6.8	5.7	-161.88	-130.3	-74.5	332.7	321.3	11.41	29.152		
2,700.0	2,684.6	2,658.3	2,651.9	7.1	6.0	-161.62	-138.6	-81.3	355.7	343.8	11.89	29.914		
2,800.0	2,783.5	2,755.6	2,748.6	7.5	6.3	-161.40	-146.9	-88.1	378.7	366.4	12.37	30.612		
2,900.0	2,882.4	2,852.9	2,845.3	7.8	6.5	-161.20	-155.2	-94.9	401.8	388.9	12.86	31.252		
3,000.0	2,981.3	2,950.2	2,942.1	8.1	6.8	-161.03	-163.5	-101.6	424.8	411.5	13.34	31.841		
3,100.0	3,080.2	3,047.5	3,038.8	8.5	7.1	-160.87	-171.8	-108.4	447.8	434.0	13.83	32.385		
3,200.0	3,179.1	3,144.8	3,135.5	8.8	7.4	-160.73	-180.1	-115.2	470.9	456.5	14.32	32.888		
3,300.0	3,278.0	3,242.1	3,232.2	9.2	7.6	-160.60	-188.4	-122.0	493.9	479.1	14.81	33.355		
3,400.0	3,377.0	3,339.4	3,328.9	9.5	7.9	-160.48	-196.7	-128.8	516.9	501.6	15.30	33.789		
3,500.0	3,475.9	3,436.7	3,425.6	9.9	8.2	-160.38	-205.0	-135.6	540.0	524.2	15.79	34.194		
3,600.0	3,574.8	3,534.0	3,522.3	10.2	8.5	-160.28	-213.3	-142.4	563.0	546.7	16.29	34.571		
3,700.0	3,673.7	3,631.3	3,619.0	10.5	8.8	-160.19	-221.6	-149.2	586.1	569.3	16.78	34.925		
3,800.0	3,772.6	3,728.6	3,715.8	10.9	9.1	-160.10	-229.9	-156.0	609.1	591.8	17.28	35.256		
3,900.0	3,871.5	3,826.0	3,812.5	11.2	9.4	-160.03	-238.2	-162.8	632.2	614.4	17.77	35.567		
4,000.0	3,970.4	3,923.3	3,909.2	11.6	9.7	-159.95	-246.5	-169.6	655.2	636.9	18.27	35.860		
4,100.0	4,069.3	4,020.6	4,005.9	11.9	10.0	-159.89	-254.8	-176.4	678.2	659.5	18.77	36.136		
4,200.0	4,168.2	4,122.7	4,107.4	12.3	10.2	-159.82	-263.4	-183.4	701.2	682.0	19.27	36.380		
4,300.0	4,267.2	4,246.7	4,231.0	12.6	10.5	-159.91	-271.1	-189.8	721.8	702.0	19.80	36.459		
4,400.0	4,366.1	4,372.4	4,356.6	13.0	10.8	-160.21	-274.8	-192.7	738.8	718.5	20.29	36.402		
4,500.0	4,465.0	4,480.8	4,465.0	13.3	11.0	-160.61	-275.0	-192.9	752.9	732.1	20.76	36.274		
4,600.0	4,563.9	4,579.7	4,563.9	13.7	11.1	-160.98	-275.0	-192.9	766.8	745.6	21.20	36.169		
4,614.8	4,578.5	4,594.3	4,578.5	13.7	11.2	-161.03	-275.0	-192.9	768.8	747.6	21.27	36.154		
4,700.0	4,663.0	4,678.8	4,663.0	14.0	11.3	-161.37	-275.0	-192.9	779.5	757.9	21.66	35.982		
4,800.0	4,762.5	4,778.3	4,762.5	14.2	11.5	-161.66	-275.0	-192.9	789.0	767.0	22.08	35.738		
4,900.0	4,862.3	4,878.1	4,862.3	14.4	11.7	-161.85	-275.0	-192.9	795.3	772.8	22.47	35.398		

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 Wiedeman 21-5-3NBHZ
Project:	Sec.5-T5N-R66W	TVD Reference:	WELL @ 4796.0ft (RKB - 13')
Reference Site:	SRC Wiedeman Pad Sec.5-T5N-R66W	MD Reference:	WELL @ 4796.0ft (RKB - 13')
Site Error:	0.0ft	North Reference:	True
Reference Well:	SRC Wiedeman 21-5-3NBHZ	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 (9-24-14)	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
5,000.0	4,962.2	4,978.0	4,962.2	14.6	11.8	-161.94	-275.0	-192.9	798.2	775.4	22.83	34.966	
5,037.8	5,000.0	5,015.8	5,000.0	14.6	11.9	-174.34	-275.0	-192.9	798.4	772.6	25.84	30.900	
5,100.0	5,062.2	5,078.0	5,062.2	14.7	12.0	-174.34	-275.0	-192.9	798.4	772.4	26.05	30.650	
5,200.0	5,162.2	5,178.0	5,162.2	14.9	12.2	-174.34	-275.0	-192.9	798.4	772.0	26.40	30.239	
5,300.0	5,262.2	5,278.0	5,262.2	15.0	12.4	-174.34	-275.0	-192.9	798.4	771.7	26.76	29.834	
5,400.0	5,362.2	5,378.0	5,362.2	15.2	12.6	-174.34	-275.0	-192.9	798.4	771.3	27.12	29.438	
5,500.0	5,462.2	5,478.0	5,462.2	15.4	12.8	-174.34	-275.0	-192.9	798.4	770.9	27.48	29.049	
5,600.0	5,562.2	5,578.0	5,562.2	15.5	13.0	-174.34	-275.0	-192.9	798.4	770.6	27.85	28.668	
5,700.0	5,662.2	5,678.0	5,662.2	15.7	13.1	-174.34	-275.0	-192.9	798.4	770.2	28.22	28.295	
5,800.0	5,762.2	5,778.0	5,762.2	15.9	13.3	-174.34	-275.0	-192.9	798.4	769.8	28.59	27.928	
5,900.0	5,862.2	5,878.0	5,862.2	16.1	13.5	-174.34	-275.0	-192.9	798.4	769.5	28.96	27.569	
6,000.0	5,962.2	5,978.0	5,962.2	16.2	13.7	-174.34	-275.0	-192.9	798.4	769.1	29.33	27.217	
6,100.0	6,062.2	6,078.0	6,062.2	16.4	13.9	-174.34	-275.0	-192.9	798.4	768.7	29.71	26.873	
6,200.0	6,162.2	6,178.0	6,162.2	16.6	14.1	-174.34	-275.0	-192.9	798.4	768.3	30.09	26.535	
6,300.0	6,262.2	6,278.0	6,262.2	16.8	14.3	-174.34	-275.0	-192.9	798.4	768.0	30.47	26.203	
6,400.0	6,362.2	6,381.7	6,365.9	16.9	14.5	-174.38	-275.0	-192.3	798.4	767.5	30.86	25.873	
6,500.0	6,462.2	6,494.3	6,477.6	17.1	14.7	-175.34	-274.8	-179.0	797.1	765.9	31.25	25.507	
6,544.6	6,506.8	6,542.7	6,524.6	17.2	14.7	-176.13	-274.6	-167.9	796.2	764.7	31.42	25.339	
6,550.0	6,512.2	6,548.4	6,530.2	17.2	14.7	94.18	-274.6	-166.3	796.0	767.0	29.09	27.364	
6,600.0	6,562.1	6,601.0	6,580.3	17.3	14.8	93.26	-274.4	-150.3	795.0	765.8	29.23	27.198	
6,650.0	6,611.8	6,652.6	6,628.1	17.4	14.8	92.34	-274.1	-131.0	794.2	764.8	29.36	27.046	
6,700.0	6,661.0	6,703.1	6,673.5	17.4	14.8	91.41	-273.7	-108.9	793.6	764.1	29.50	26.902	
6,750.0	6,709.4	6,752.6	6,716.4	17.5	14.9	90.48	-273.4	-84.1	793.1	763.5	29.64	26.756	
6,800.0	6,756.8	6,801.2	6,756.7	17.6	14.9	89.56	-273.0	-57.0	792.9	763.1	29.81	26.597	
6,833.8	6,788.2	6,833.6	6,782.5	17.6	14.9	88.94	-272.7	-37.4	792.9	762.9	29.95	26.474	
6,850.0	6,803.0	6,849.0	6,794.4	17.6	15.0	88.65	-272.5	-27.7	792.9	762.8	30.01	26.417	
6,900.0	6,847.8	6,895.9	6,829.5	17.7	15.0	87.75	-272.0	3.5	793.0	762.8	30.27	26.202	
6,950.0	6,890.9	6,942.1	6,862.0	17.7	15.1	86.87	-271.5	36.3	793.4	762.8	30.58	25.944	
7,000.0	6,932.1	6,987.6	6,891.8	17.8	15.3	86.00	-271.0	70.6	793.9	762.9	30.97	25.637	
7,050.0	6,971.3	7,032.5	6,919.1	17.9	15.6	85.16	-270.5	106.2	794.5	763.1	31.44	25.272	
7,100.0	7,008.2	7,076.7	6,943.7	17.9	15.9	84.34	-269.9	142.9	795.3	763.3	32.00	24.850	
7,150.0	7,042.6	7,120.4	6,965.7	18.0	16.4	83.55	-269.4	180.6	796.2	763.5	32.67	24.370	
7,200.0	7,074.5	7,163.5	6,985.2	18.2	16.9	82.79	-268.8	219.1	797.2	763.7	33.45	23.835	
7,250.0	7,103.6	7,206.2	7,002.2	18.4	17.4	82.06	-268.2	258.3	798.2	763.9	34.33	23.249	
7,300.0	7,129.7	7,250.0	7,017.1	18.7	18.0	81.35	-267.6	299.4	799.3	764.0	35.36	22.607	
7,350.0	7,152.9	7,290.3	7,028.7	19.1	18.7	80.72	-267.0	338.1	800.5	764.0	36.46	21.952	
7,400.0	7,172.9	7,331.8	7,038.2	19.6	19.3	80.11	-266.4	378.4	801.6	763.9	37.69	21.265	
7,450.0	7,189.6	7,373.0	7,045.4	20.3	20.1	79.53	-265.8	419.0	802.7	763.7	39.02	20.568	
7,500.0	7,203.0	7,413.9	7,050.2	21.0	20.8	79.01	-265.1	459.5	803.7	763.3	40.45	19.872	
7,550.0	7,213.0	7,454.5	7,052.6	21.8	21.6	78.52	-264.5	500.0	804.7	762.8	41.95	19.184	
7,600.0	7,219.6	7,498.8	7,053.0	22.7	22.5	78.08	-263.9	544.4	805.6	762.0	43.60	18.477	
7,650.0	7,222.7	7,548.7	7,053.0	23.6	23.5	77.83	-263.1	594.3	805.9	760.4	45.48	17.719	
7,669.6	7,223.0	7,568.3	7,053.0	24.0	24.0	77.82	-262.8	613.9	805.8	759.5	46.24	17.425	
7,700.0	7,223.0	7,598.7	7,053.0	24.6	24.6	77.82	-262.3	644.3	805.5	758.1	47.46	16.973	
7,800.0	7,223.0	7,698.7	7,053.0	26.6	26.8	77.80	-260.8	744.3	804.8	753.1	51.68	15.572	
7,900.0	7,223.0	7,798.7	7,053.0	28.8	29.2	77.79	-259.3	844.2	804.0	747.9	56.12	14.326	
8,000.0	7,223.0	7,898.7	7,053.0	31.1	31.6	77.78	-257.8	944.2	803.2	742.5	60.73	13.226	
8,100.0	7,223.0	7,998.7	7,053.0	33.4	34.0	77.77	-256.3	1,044.2	802.5	737.0	65.48	12.255	
8,200.0	7,223.0	8,098.7	7,053.0	35.9	36.5	77.76	-254.8	1,144.2	801.7	731.4	70.34	11.398	
8,300.0	7,223.0	8,198.7	7,053.0	38.3	39.1	77.75	-253.3	1,244.2	800.9	725.7	75.28	10.640	
8,400.0	7,223.0	8,298.7	7,053.0	40.9	41.7	77.73	-251.8	1,344.2	800.2	719.9	80.29	9.966	
8,500.0	7,223.0	8,398.7	7,053.0	43.4	44.3	77.72	-250.3	1,444.2	799.4	714.0	85.36	9.365	

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 Wiedeman 21-5-3NBHZ
Project:	Sec.5-T5N-R66W	TVD Reference:	WELL @ 4796.0ft (RKB - 13')
Reference Site:	SRC Wiedeman Pad Sec.5-T5N-R66W	MD Reference:	WELL @ 4796.0ft (RKB - 13')
Site Error:	0.0ft	North Reference:	True
Reference Well:	SRC Wiedeman 21-5-3NBHZ	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 (9-24-14)	Offset TVD Reference:	Offset Datum

Offset Design		SRC Wiedeman Pad Sec.5-T5N-R66W - SRC Wiedeman 12-5-4CHZ - Wellbore #1 - Plan #3 (9-24-14)										Offset Site Error:		0.0 ft
Survey Program: 0-MWD												Offset Well Error:		0.0 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset	Highside Toolface	Offset Wellbore Centre +N/-S	Offset Wellbore Centre +E/-W	Between Centres	Between Ellipses	Minimum Separation	Separation Factor		
(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(°)	(ft)	(ft)	(ft)	(ft)	(ft)			
8,600.0	7,223.0	8,498.7	7,053.0	46.0	46.9	77.71	-248.7	1,544.1	798.6	708.2	90.48	8.826		
8,700.0	7,223.0	8,598.7	7,053.0	48.6	49.6	77.70	-247.2	1,644.1	797.9	702.2	95.64	8.342		
8,800.0	7,223.0	8,698.7	7,053.0	51.2	52.3	77.69	-245.7	1,744.1	797.1	696.3	100.84	7.905		
8,900.0	7,223.0	8,798.7	7,053.0	53.9	54.9	77.67	-244.2	1,844.1	796.3	690.3	106.06	7.508		
9,000.0	7,223.0	8,898.7	7,053.0	56.5	57.6	77.66	-242.7	1,944.1	795.6	684.3	111.31	7.148		
9,100.0	7,223.0	8,998.7	7,053.0	59.2	60.3	77.65	-241.2	2,044.1	794.8	678.2	116.58	6.818		
9,200.0	7,223.0	9,098.7	7,053.0	61.9	63.1	77.64	-239.7	2,144.1	794.0	672.2	121.86	6.516		
9,300.0	7,223.0	9,198.7	7,053.0	64.6	65.8	77.63	-238.2	2,244.0	793.3	666.1	127.17	6.238		
9,400.0	7,223.0	9,298.7	7,053.0	67.3	68.5	77.61	-236.7	2,344.0	792.5	660.0	132.48	5.982		
9,500.0	7,223.0	9,398.7	7,053.0	70.0	71.2	77.60	-235.1	2,444.0	791.7	653.9	137.82	5.745		
9,600.0	7,223.0	9,498.7	7,053.0	72.7	74.0	77.59	-233.6	2,544.0	791.0	647.8	143.16	5.525		
9,700.0	7,223.0	9,598.6	7,053.0	75.5	76.7	77.58	-232.1	2,644.0	790.2	641.7	148.51	5.321		
9,800.0	7,223.0	9,698.6	7,053.0	78.2	79.5	77.56	-230.6	2,744.0	789.5	635.6	153.87	5.131		
9,900.0	7,223.0	9,798.6	7,053.0	80.9	82.2	77.55	-229.1	2,844.0	788.7	629.4	159.24	4.953		
10,000.0	7,223.0	9,898.6	7,053.0	83.7	85.0	77.54	-227.6	2,943.9	787.9	623.3	164.61	4.787		
10,100.0	7,223.0	9,998.6	7,053.0	86.4	87.7	77.53	-226.1	3,043.9	787.2	617.2	169.99	4.631		
10,200.0	7,223.0	10,098.6	7,053.0	89.2	90.5	77.51	-224.6	3,143.9	786.4	611.0	175.38	4.484		
10,300.0	7,223.0	10,198.6	7,053.0	91.9	93.3	77.50	-223.0	3,243.9	785.6	604.9	180.77	4.346		
10,400.0	7,223.0	10,298.6	7,053.0	94.7	96.0	77.49	-221.5	3,343.9	784.9	598.7	186.16	4.216		
10,500.0	7,223.0	10,398.6	7,053.0	97.5	98.8	77.48	-220.0	3,443.9	784.1	592.5	191.57	4.093		
10,600.0	7,223.0	10,498.6	7,053.0	100.2	101.6	77.47	-218.5	3,543.9	783.3	586.4	196.97	3.977		
10,700.0	7,223.0	10,598.6	7,053.0	103.0	104.3	77.45	-217.0	3,643.8	782.6	580.2	202.38	3.867		
10,800.0	7,223.0	10,698.6	7,053.0	105.8	107.1	77.44	-215.5	3,743.8	781.8	574.0	207.79	3.762		
10,900.0	7,223.0	10,798.6	7,053.0	108.5	109.9	77.43	-214.0	3,843.8	781.0	567.8	213.20	3.663		
11,000.0	7,223.0	10,898.6	7,053.0	111.3	112.7	77.42	-212.5	3,943.8	780.3	561.6	218.62	3.569		
11,100.0	7,223.0	10,998.6	7,053.0	114.1	115.5	77.40	-211.0	4,043.8	779.5	555.5	224.03	3.479		
11,200.0	7,223.0	11,098.6	7,053.0	116.8	118.2	77.39	-209.4	4,143.8	778.7	549.3	229.45	3.394		
11,300.0	7,223.0	11,198.6	7,053.0	119.6	121.0	77.38	-207.9	4,243.8	778.0	543.1	234.88	3.312		
11,400.0	7,223.0	11,298.6	7,053.0	122.4	123.8	77.37	-206.4	4,343.7	777.2	536.9	240.30	3.234		
11,500.0	7,223.0	11,398.6	7,053.0	125.2	126.6	77.35	-204.9	4,443.7	776.4	530.7	245.73	3.160		
11,600.0	7,223.0	11,498.6	7,053.0	128.0	129.4	77.34	-203.4	4,543.7	775.7	524.5	251.15	3.088		
11,686.0	7,223.0	11,584.3	7,053.0	130.3	131.7	77.33	-202.1	4,629.4	775.0	519.2	255.81	3.030		
11,700.0	7,223.0	11,584.3	7,053.0	130.7	131.7	77.33	-202.1	4,629.4	775.0	518.9	256.19	3.025		
11,800.0	7,223.0	11,584.3	7,053.0	133.5	131.7	77.33	-202.1	4,629.4	782.5	523.6	258.91	3.022 SF		
11,900.0	7,223.0	11,584.3	7,053.0	136.3	131.7	77.33	-202.1	4,629.4	802.5	540.9	261.63	3.067		
12,000.0	7,223.0	11,584.3	7,053.0	139.1	131.7	77.33	-202.1	4,629.4	834.1	569.8	264.35	3.155		
12,100.0	7,223.0	11,584.3	7,053.0	141.9	131.7	77.33	-202.1	4,629.4	876.0	608.9	267.07	3.280		
12,200.0	7,223.0	11,584.3	7,053.0	144.7	131.7	77.33	-202.1	4,629.4	926.9	657.1	269.80	3.435		
12,300.0	7,223.0	11,584.3	7,053.0	147.4	131.7	77.33	-202.1	4,629.4	985.3	712.8	272.52	3.615		

Company:	Synergy Resources	Local Co-ordinate Reference:	Well SRC Wiedeman 21-5-3NBHZ
Project:	Sec.5-T5N-R66W	TVD Reference:	WELL @ 4796.0ft (RKB - 13')
Reference Site:	SRC Wiedeman Pad Sec.5-T5N-R66W	MD Reference:	WELL @ 4796.0ft (RKB - 13')
Site Error:	0.0ft	North Reference:	True
Reference Well:	SRC Wiedeman 21-5-3NBHZ	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 (9-24-14)	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.0 ft
Survey Program: 0-MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.0	0.0	0.0	0.0	0.0	0.0	-174.41	-59.7	-5.8	60.0					
100.0	100.0	100.0	100.0	0.1	0.1	-174.41	-59.7	-5.8	60.0	59.8	0.22	267.072		
200.0	200.0	200.0	200.0	0.3	0.3	-174.41	-59.7	-5.8	60.0	59.4	0.67	89.024		
300.0	300.0	300.0	300.0	0.6	0.6	-174.41	-59.7	-5.8	60.0	58.9	1.12	53.414		
400.0	400.0	400.0	400.0	0.8	0.8	-174.41	-59.7	-5.8	60.0	58.5	1.57	38.153		
500.0	500.0	500.0	500.0	1.0	1.0	-174.41	-59.7	-5.8	60.0	58.0	2.02	29.675		
600.0	600.0	600.0	600.0	1.2	1.2	-174.41	-59.7	-5.8	60.0	57.6	2.47	24.279		
700.0	700.0	700.0	700.0	1.5	1.5	-174.41	-59.7	-5.8	60.0	57.1	2.92	20.544		
800.0	800.0	800.0	800.0	1.7	1.7	-174.41	-59.7	-5.8	60.0	56.7	3.37	17.805		
900.0	900.0	900.0	900.0	1.9	1.9	-174.41	-59.7	-5.8	60.0	56.2	3.82	15.710		
1,000.0	1,000.0	1,000.0	1,000.0	2.1	2.1	-174.41	-59.7	-5.8	60.0	55.8	4.27	14.056 CC, ES		
1,100.0	1,100.0	1,098.0	1,097.9	2.4	2.3	-161.95	-61.3	-6.6	63.3	58.6	4.69	13.495		
1,200.0	1,199.8	1,195.3	1,195.2	2.6	2.5	-161.80	-65.7	-8.7	73.1	68.0	5.09	14.346		
1,300.0	1,299.5	1,291.4	1,290.9	2.8	2.7	-161.59	-73.1	-12.2	89.3	83.8	5.50	16.223		
1,400.0	1,398.7	1,386.7	1,385.6	3.1	2.9	-161.41	-83.1	-17.0	111.7	105.8	5.92	18.861		
1,423.0	1,421.5	1,409.0	1,407.7	3.1	2.9	-161.41	-85.6	-18.3	117.5	111.4	6.02	19.523		
1,500.0	1,497.6	1,483.5	1,481.5	3.3	3.1	-161.56	-94.0	-22.3	137.1	130.8	6.34	21.614		
1,600.0	1,596.5	1,580.1	1,577.5	3.6	3.4	-161.70	-104.9	-27.5	162.6	155.8	6.78	23.998		
1,700.0	1,695.5	1,676.8	1,673.4	3.9	3.6	-161.81	-115.8	-32.7	188.1	180.9	7.22	26.067		
1,800.0	1,794.4	1,773.5	1,769.3	4.2	3.9	-161.89	-126.7	-37.9	213.6	206.0	7.66	27.872		
1,900.0	1,893.3	1,870.2	1,865.3	4.5	4.2	-161.95	-137.5	-43.1	239.1	231.0	8.12	29.455		
2,000.0	1,992.2	1,966.9	1,961.2	4.8	4.4	-162.00	-148.4	-48.3	264.6	256.1	8.58	30.853		
2,100.0	2,091.1	2,063.6	2,057.2	5.1	4.7	-162.04	-159.3	-53.6	290.2	281.1	9.04	32.096		
2,200.0	2,190.0	2,160.3	2,153.1	5.5	5.0	-162.08	-170.2	-58.8	315.7	306.2	9.51	33.205		
2,300.0	2,288.9	2,257.0	2,249.0	5.8	5.3	-162.10	-181.1	-64.0	341.2	331.2	9.98	34.200		
2,400.0	2,387.8	2,353.7	2,345.0	6.1	5.6	-162.13	-192.0	-69.2	366.7	356.2	10.45	35.096		
2,500.0	2,486.7	2,450.4	2,440.9	6.5	5.9	-162.15	-202.8	-74.4	392.2	381.3	10.92	35.907		
2,600.0	2,585.7	2,547.1	2,536.8	6.8	6.2	-162.17	-213.7	-79.6	417.7	406.3	11.40	36.644		
2,700.0	2,684.6	2,643.7	2,632.8	7.1	6.5	-162.19	-224.6	-84.8	443.2	431.3	11.88	37.316		
2,800.0	2,783.5	2,740.4	2,728.7	7.5	6.8	-162.20	-235.5	-90.1	468.7	456.4	12.36	37.931		
2,900.0	2,882.4	2,837.1	2,824.6	7.8	7.1	-162.22	-246.4	-95.3	494.2	481.4	12.84	38.495		
3,000.0	2,981.3	2,933.8	2,920.6	8.1	7.4	-162.23	-257.3	-100.5	519.7	506.4	13.32	39.015		
3,100.0	3,080.2	3,030.5	3,016.5	8.5	7.7	-162.24	-268.1	-105.7	545.2	531.4	13.81	39.496		
3,200.0	3,179.1	3,127.2	3,112.4	8.8	8.0	-162.25	-279.0	-110.9	570.8	556.5	14.29	39.941		
3,300.0	3,278.0	3,223.9	3,208.4	9.2	8.3	-162.26	-289.9	-116.1	596.3	581.5	14.78	40.354		
3,400.0	3,377.0	3,320.6	3,304.3	9.5	8.7	-162.27	-300.8	-121.3	621.8	606.5	15.26	40.738		
3,500.0	3,475.9	3,417.3	3,400.2	9.9	9.0	-162.28	-311.7	-126.6	647.3	631.5	15.75	41.097		
3,600.0	3,574.8	3,514.0	3,496.2	10.2	9.3	-162.28	-322.6	-131.8	672.8	656.6	16.24	41.433		
3,700.0	3,673.7	3,610.7	3,592.1	10.5	9.6	-162.29	-333.4	-137.0	698.3	681.6	16.73	41.747		
3,800.0	3,772.6	3,707.4	3,688.1	10.9	9.9	-162.30	-344.3	-142.2	723.8	706.6	17.22	42.041		
3,900.0	3,871.5	3,804.0	3,784.0	11.2	10.2	-162.30	-355.2	-147.4	749.3	731.6	17.71	42.319		
4,000.0	3,970.4	3,900.7	3,879.9	11.6	10.5	-162.31	-366.1	-152.6	774.8	756.6	18.20	42.580		
4,100.0	4,069.3	3,997.4	3,975.9	11.9	10.8	-162.31	-377.0	-157.8	800.3	781.7	18.69	42.826		
4,200.0	4,168.2	4,094.1	4,071.8	12.3	11.2	-162.32	-387.8	-163.1	825.9	806.7	19.18	43.058		
4,300.0	4,267.2	4,190.8	4,167.7	12.6	11.5	-162.32	-398.7	-168.3	851.4	831.7	19.67	43.278		
4,400.0	4,366.1	4,287.5	4,263.7	13.0	11.8	-162.33	-409.6	-173.5	876.9	856.7	20.16	43.486		
4,500.0	4,465.0	4,384.2	4,359.6	13.3	12.1	-162.33	-420.5	-178.7	902.4	881.7	20.66	43.684		
4,600.0	4,563.9	4,480.9	4,455.5	13.7	12.4	-162.34	-431.4	-183.9	927.9	906.7	21.15	43.872		
4,614.8	4,578.5	4,495.2	4,469.7	13.7	12.5	-162.34	-433.0	-184.7	931.7	910.4	21.22	43.899		
4,700.0	4,663.0	4,577.9	4,551.8	14.0	12.7	-162.44	-442.3	-189.2	952.2	930.6	21.67	43.935		
4,800.0	4,762.5	4,675.6	4,648.7	14.2	13.1	-162.49	-453.3	-194.4	973.4	951.2	22.15	43.944		
4,900.0	4,862.3	4,774.0	4,746.3	14.4	13.4	-162.46	-464.4	-199.7	991.2	968.6	22.60	43.859		

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

Offset Design													Offset Site Error:	
Survey Program: 0-MWD													Offset Well Error:	
Reference		Offset		Semi Major Axis			Distance							
Measured Depth	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset	Highside Toolface	Offset Wellbore Centre		Between Centres	Between Ellipses	Minimum Separation	Separation Factor	Warning	
(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(°)	+N/-S (ft)	+E/-W (ft)	(ft)	(ft)	(ft)			
8,700.0	7,223.0	8,807.2	7,223.0	48.6	50.2	90.00	-467.3	1,647.5	999.7	901.3	98.41	10.158		
8,800.0	7,223.0	8,907.2	7,223.0	51.2	52.9	90.00	-465.8	1,747.4	998.9	895.2	103.72	9.631		
8,900.0	7,223.0	9,007.2	7,223.0	53.9	55.5	90.00	-464.3	1,847.4	998.1	889.0	109.06	9.152		
9,000.0	7,223.0	9,107.2	7,223.0	56.5	58.2	90.00	-462.8	1,947.4	997.3	882.9	114.43	8.716		
9,100.0	7,223.0	9,207.2	7,223.0	59.2	60.9	90.00	-461.3	2,047.4	996.5	876.7	119.82	8.317		
9,200.0	7,223.0	9,307.2	7,223.0	61.9	63.6	90.00	-459.8	2,147.4	995.7	870.5	125.22	7.952		
9,300.0	7,223.0	9,407.2	7,223.0	64.6	66.4	90.00	-458.2	2,247.4	995.0	864.3	130.65	7.615		
9,400.0	7,223.0	9,507.2	7,223.0	67.3	69.1	90.00	-456.7	2,347.4	994.2	858.1	136.09	7.305		
9,500.0	7,223.0	9,607.2	7,223.0	70.0	71.8	90.00	-455.2	2,447.3	993.4	851.8	141.55	7.018		
9,600.0	7,223.0	9,707.2	7,223.0	72.7	74.5	90.00	-453.7	2,547.3	992.6	845.6	147.01	6.752		
9,700.0	7,223.0	9,807.2	7,223.0	75.5	77.3	90.00	-452.2	2,647.3	991.8	839.3	152.49	6.504		
9,800.0	7,223.0	9,907.2	7,223.0	78.2	80.0	90.00	-450.7	2,747.3	991.0	833.1	157.97	6.273		
9,900.0	7,223.0	10,007.2	7,223.0	80.9	82.8	90.00	-449.2	2,847.3	990.3	826.8	163.47	6.058		
10,000.0	7,223.0	10,107.2	7,223.0	83.7	85.5	90.00	-447.7	2,947.3	989.5	820.5	168.97	5.856		
10,100.0	7,223.0	10,207.2	7,223.0	86.4	88.3	90.00	-446.2	3,047.3	988.7	814.2	174.48	5.666		
10,200.0	7,223.0	10,307.2	7,223.0	89.2	91.0	90.00	-444.6	3,147.2	987.9	807.9	180.00	5.488		
10,300.0	7,223.0	10,407.2	7,223.0	91.9	93.8	90.00	-443.1	3,247.2	987.1	801.6	185.52	5.321		
10,400.0	7,223.0	10,507.2	7,223.0	94.7	96.6	90.00	-441.6	3,347.2	986.3	795.3	191.05	5.163		
10,500.0	7,223.0	10,607.2	7,223.0	97.5	99.3	90.00	-440.1	3,447.2	985.5	789.0	196.58	5.014		
10,600.0	7,223.0	10,707.2	7,223.0	100.2	102.1	90.00	-438.6	3,547.2	984.8	782.6	202.12	4.872		
10,700.0	7,223.0	10,807.2	7,223.0	103.0	104.9	90.00	-437.1	3,647.2	984.0	776.3	207.66	4.739		
10,800.0	7,223.0	10,907.2	7,223.0	105.8	107.6	90.00	-435.6	3,747.2	983.2	770.0	213.20	4.612		
10,900.0	7,223.0	11,007.2	7,223.0	108.5	110.4	90.00	-434.1	3,847.1	982.4	763.7	218.75	4.491		
11,000.0	7,223.0	11,107.2	7,223.0	111.3	113.2	90.00	-432.5	3,947.1	981.6	757.3	224.30	4.376		
11,100.0	7,223.0	11,207.2	7,223.0	114.1	116.0	90.00	-431.0	4,047.1	980.8	751.0	229.85	4.267		
11,200.0	7,223.0	11,307.2	7,223.0	116.8	118.7	90.00	-429.5	4,147.1	980.1	744.6	235.41	4.163		
11,300.0	7,223.0	11,407.2	7,223.0	119.6	121.5	90.00	-428.0	4,247.1	979.3	738.3	240.97	4.064		
11,400.0	7,223.0	11,507.2	7,223.0	122.4	124.3	90.00	-426.5	4,347.1	978.5	732.0	246.53	3.969		
11,500.0	7,223.0	11,607.2	7,223.0	125.2	127.1	90.00	-425.0	4,447.1	977.7	725.6	252.09	3.878		
11,600.0	7,223.0	11,707.2	7,223.0	128.0	129.8	90.00	-423.5	4,547.0	976.9	719.3	257.59	3.793		
11,669.2	7,223.0	11,770.2	7,223.0	129.9	130.9	90.00	-422.5	4,610.1	976.4	715.7	260.65	3.746		
11,700.0	7,223.0	11,770.2	7,223.0	130.7	130.9	90.00	-422.5	4,610.1	976.8	715.3	261.51	3.735		
11,800.0	7,223.0	11,770.2	7,223.0	133.5	130.9	90.00	-422.5	4,610.1	984.9	720.6	264.29	3.727 SF		

SRC Wiedeman Pad Sec.5-T5N-R66W - SRC Wiedeman 21-5-3CHZ - Wellbore #1 - Plan #2 (9-24-14)													Offset Site Error:	0.0 ft
Survey Program: 0-MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.0	0.0	0.0	0.0	0.0	0.0	6.38	14.9	1.7	15.0	15.0	0.00	N/A		
100.0	100.0	100.0	100.0	0.1	0.1	6.38	14.9	1.7	15.0	14.8	0.22	66.869		
200.0	200.0	200.0	200.0	0.3	0.3	6.38	14.9	1.7	15.0	14.4	0.67	22.290		
300.0	300.0	300.0	300.0	0.6	0.6	6.38	14.9	1.7	15.0	13.9	1.12	13.374		
400.0	400.0	400.0	400.0	0.8	0.8	6.38	14.9	1.7	15.0	13.5	1.57	9.553		
500.0	500.0	500.0	500.0	1.0	1.0	6.38	14.9	1.7	15.0	13.0	2.02	7.430	CC	
600.0	600.0	599.5	599.4	1.2	1.2	5.02	16.7	1.5	16.7	14.3	2.47	6.765		
700.0	700.0	698.7	698.5	1.5	1.5	2.23	21.8	0.8	21.8	18.9	2.93	7.464		
800.0	800.0	797.4	796.9	1.7	1.7	-0.33	30.2	-0.2	30.4	27.0	3.38	8.988		
900.0	900.0	895.4	894.2	1.9	2.0	-2.17	42.0	-1.6	42.4	38.6	3.84	11.035		
1,000.0	1,000.0	993.9	991.5	2.1	2.2	-3.37	56.3	-3.3	57.1	52.7	4.31	13.243		
1,100.0	1,100.0	1,093.0	1,089.6	2.4	2.5	8.47	70.9	-5.1	70.2	65.4	4.75	14.777		
1,200.0	1,199.8	1,192.5	1,188.0	2.6	2.9	8.45	85.6	-6.8	79.9	74.7	5.20	15.357		
1,300.0	1,299.5	1,292.3	1,286.7	2.8	3.2	8.77	100.3	-8.6	86.1	80.4	5.65	15.228		
1,400.0	1,398.7	1,392.3	1,385.5	3.1	3.5	9.42	115.0	-10.4	88.9	82.8	6.11	14.551		
1,423.0	1,421.5	1,415.3	1,408.3	3.1	3.6	9.61	118.4	-10.8	89.1	82.9	6.22	14.330		
1,500.0	1,497.6	1,492.3	1,484.4	3.3	3.8	10.31	129.8	-12.2	89.3	82.7	6.58	13.567		
1,600.0	1,596.5	1,592.2	1,583.3	3.6	4.2	11.20	144.5	-13.9	89.6	82.6	7.07	12.686		
1,700.0	1,695.5	1,692.2	1,682.2	3.9	4.5	12.08	159.3	-15.7	90.0	82.4	7.55	11.914		
1,800.0	1,794.4	1,792.2	1,781.1	4.2	4.9	12.96	174.0	-17.5	90.4	82.3	8.05	11.232		
1,900.0	1,893.3	1,892.2	1,879.9	4.5	5.2	13.83	188.7	-19.3	90.8	82.2	8.54	10.625		
2,000.0	1,992.2	1,992.2	1,978.8	4.8	5.5	14.69	203.5	-21.1	91.2	82.1	9.04	10.082		
2,100.0	2,091.1	2,092.2	2,077.7	5.1	5.9	15.54	218.2	-22.8	91.6	82.1	9.55	9.593		
2,200.0	2,190.0	2,192.2	2,176.6	5.5	6.2	16.39	232.9	-24.6	92.1	82.0	10.06	9.152		
2,300.0	2,288.9	2,292.2	2,275.5	5.8	6.6	17.23	247.7	-26.4	92.6	82.0	10.58	8.751		
2,400.0	2,387.8	2,392.2	2,374.4	6.1	6.9	18.06	262.4	-28.2	93.1	82.0	11.10	8.386		
2,500.0	2,486.7	2,492.2	2,473.2	6.5	7.3	18.88	277.2	-29.9	93.6	81.9	11.62	8.051		
2,600.0	2,585.7	2,592.1	2,572.1	6.8	7.6	19.69	291.9	-31.7	94.1	82.0	12.15	7.744		
2,700.0	2,684.6	2,692.1	2,671.0	7.1	8.0	20.49	306.6	-33.5	94.7	82.0	12.69	7.462		
2,800.0	2,783.5	2,792.1	2,769.9	7.5	8.3	21.28	321.4	-35.3	95.2	82.0	13.23	7.201		
2,900.0	2,882.4	2,892.1	2,868.8	7.8	8.7	22.06	336.1	-37.0	95.8	82.1	13.77	6.959		
3,000.0	2,981.3	2,992.1	2,967.6	8.1	9.0	22.83	350.8	-38.8	96.4	82.1	14.32	6.734		
3,100.0	3,080.2	3,092.1	3,066.5	8.5	9.4	23.60	365.6	-40.6	97.1	82.2	14.87	6.525		
3,200.0	3,179.1	3,192.1	3,165.4	8.8	9.7	24.35	380.3	-42.4	97.7	82.3	15.43	6.331		
3,300.0	3,278.0	3,292.1	3,264.3	9.2	10.1	25.09	395.1	-44.1	98.4	82.4	16.00	6.149		
3,400.0	3,377.0	3,392.1	3,363.2	9.5	10.4	25.82	409.8	-45.9	99.0	82.5	16.57	5.978		
3,500.0	3,475.9	3,492.1	3,462.1	9.9	10.8	26.55	424.5	-47.7	99.7	82.6	17.14	5.818		
3,600.0	3,574.8	3,592.0	3,560.9	10.2	11.1	27.26	439.3	-49.5	100.4	82.7	17.72	5.668		
3,700.0	3,673.7	3,692.0	3,659.8	10.5	11.5	27.96	454.0	-51.2	101.1	82.8	18.30	5.527		
3,800.0	3,772.6	3,792.0	3,758.7	10.9	11.8	28.65	468.7	-53.0	101.9	83.0	18.89	5.394		
3,900.0	3,871.5	3,892.0	3,857.6	11.2	12.2	29.34	483.5	-54.8	102.6	83.2	19.48	5.269		
4,000.0	3,970.4	3,992.0	3,956.5	11.6	12.5	30.01	498.2	-56.6	103.4	83.3	20.08	5.150		
4,100.0	4,069.3	4,092.0	4,055.3	11.9	12.9	30.67	513.0	-58.3	104.2	83.5	20.68	5.038		
4,200.0	4,168.2	4,192.0	4,154.2	12.3	13.2	31.32	527.7	-60.1	105.0	83.7	21.28	4.932		
4,300.0	4,267.2	4,292.0	4,253.1	12.6	13.6	31.97	542.4	-61.9	105.8	83.9	21.89	4.832		
4,400.0	4,366.1	4,392.0	4,352.0	13.0	13.9	32.60	557.2	-63.7	106.6	84.1	22.51	4.736		
4,500.0	4,465.0	4,492.0	4,450.9	13.3	14.3	33.22	571.9	-65.5	107.4	84.3	23.13	4.646		
4,600.0	4,563.9	4,591.9	4,549.8	13.7	14.6	33.84	586.6	-67.2	108.3	84.5	23.75	4.560		
4,614.8	4,578.5	4,606.7	4,564.4	13.7	14.7	33.93	588.8	-67.5	108.4	84.6	23.84	4.547		
4,700.0	4,663.0	4,691.9	4,648.6	14.0	15.0	34.09	601.4	-69.0	110.2	85.9	24.30	4.534		
4,800.0	4,762.5	4,791.8	4,747.4	14.2	15.3	33.39	616.1	-70.8	115.0	90.3	24.68	4.657		
4,900.0	4,862.3	4,891.4	4,845.9	14.4	15.7	31.91	630.8	-72.5	122.7	97.8	24.94	4.919		

Company:	Synergy Resources	Local Co-ordinate Reference:	Well SRC Wiedeman 21-5-3NBHZ
Project:	Sec.5-T5N-R66W	TVD Reference:	WELL @ 4796.0ft (RKB - 13')
Reference Site:	SRC Wiedeman Pad Sec.5-T5N-R66W	MD Reference:	WELL @ 4796.0ft (RKB - 13')
Site Error:	0.0ft	North Reference:	True
Reference Well:	SRC Wiedeman 21-5-3NBHZ	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 (9-24-14)	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.0 ft
Survey Program: 0-MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,000.0	4,962.2	4,990.7	4,944.1	14.6	16.0	29.87	645.4	-74.3	133.5	108.4	25.10	5.319		
5,037.8	5,000.0	5,028.1	4,981.1	14.6	16.2	16.62	650.9	-75.0	138.4	109.0	29.41	4.707		
5,100.0	5,062.2	5,089.7	5,041.9	14.7	16.4	15.19	660.0	-76.1	147.0	117.1	29.85	4.924		
5,200.0	5,162.2	5,188.5	5,139.7	14.9	16.7	13.20	674.6	-77.8	160.8	130.3	30.53	5.269		
5,300.0	5,262.2	5,287.4	5,237.5	15.0	17.1	11.54	689.2	-79.6	174.9	143.7	31.18	5.609		
5,400.0	5,362.2	5,386.3	5,335.3	15.2	17.4	10.12	703.7	-81.3	189.0	157.2	31.80	5.945		
5,500.0	5,462.2	5,485.2	5,433.1	15.4	17.8	8.89	718.3	-83.1	203.3	170.9	32.41	6.273		
5,600.0	5,562.2	5,584.1	5,530.9	15.5	18.1	7.83	732.9	-84.8	217.6	184.6	33.00	6.595		
5,700.0	5,662.2	5,687.7	5,633.4	15.7	18.5	6.90	747.5	-86.6	231.5	197.9	33.57	6.896		
5,800.0	5,762.2	5,795.8	5,740.9	15.9	18.7	6.23	759.3	-88.0	242.1	208.1	34.05	7.111		
5,900.0	5,862.2	5,904.6	5,849.4	16.1	18.9	5.82	767.0	-89.0	249.1	214.6	34.47	7.227		
6,000.0	5,962.2	6,013.9	5,958.6	16.2	19.1	5.64	770.6	-89.4	252.4	217.5	34.83	7.245		
6,100.0	6,062.2	6,117.5	6,062.2	16.4	19.3	5.63	770.9	-89.4	252.6	217.5	35.16	7.186		
6,200.0	6,162.2	6,217.5	6,162.2	16.6	19.4	5.63	770.9	-89.4	252.6	217.1	35.49	7.118		
6,300.0	6,262.2	6,317.5	6,262.2	16.8	19.6	5.63	770.9	-89.4	252.6	216.8	35.82	7.052		
6,355.4	6,317.6	6,372.9	6,317.6	16.9	19.6	5.63	770.9	-89.4	252.6	216.6	36.01	7.015		
6,400.0	6,362.2	6,416.5	6,361.3	16.9	19.7	5.72	770.9	-89.0	252.7	216.5	36.15	6.989		
6,500.0	6,462.2	6,511.8	6,456.0	17.1	19.8	7.87	771.0	-79.4	253.9	217.6	36.35	6.987		
6,544.6	6,506.8	6,553.2	6,496.6	17.2	19.9	9.66	771.1	-71.4	255.4	219.0	36.38	7.019		
6,550.0	6,512.2	6,558.1	6,501.4	17.2	19.9	-79.66	771.1	-70.3	255.6	224.8	30.80	8.297		
6,600.0	6,562.1	6,603.6	6,545.3	17.3	19.9	-77.30	771.1	-58.4	257.8	226.6	31.17	8.272		
6,650.0	6,611.8	6,650.0	6,589.2	17.4	20.0	-74.98	771.3	-43.5	260.4	228.9	31.51	8.264		
6,700.0	6,661.0	6,692.8	6,628.8	17.4	20.0	-72.90	771.4	-27.2	263.3	231.5	31.80	8.281		
6,750.0	6,709.4	6,736.7	6,668.3	17.5	20.1	-70.88	771.5	-8.1	266.4	234.4	32.03	8.317		
6,800.0	6,756.8	6,780.1	6,706.2	17.6	20.1	-68.98	771.7	13.2	269.7	237.5	32.20	8.375		
6,850.0	6,803.0	6,823.2	6,742.3	17.6	20.2	-67.21	771.8	36.4	273.1	240.8	32.36	8.440		
6,900.0	6,847.8	6,865.8	6,776.8	17.7	20.3	-65.57	772.0	61.6	276.5	244.1	32.40	8.535		
6,950.0	6,890.9	6,908.1	6,809.3	17.7	20.3	-64.07	772.2	88.6	280.0	247.5	32.42	8.636		
7,000.0	6,932.1	6,950.0	6,840.0	17.8	20.4	-62.69	772.4	117.1	283.3	250.9	32.41	8.741		
7,050.0	6,971.3	6,991.8	6,868.9	17.9	20.5	-61.45	772.6	147.3	286.6	254.1	32.41	8.842		
7,100.0	7,008.2	7,033.2	6,895.7	17.9	20.6	-60.33	772.9	178.9	289.6	257.2	32.42	8.933		
7,150.0	7,042.6	7,074.4	6,920.5	18.0	20.7	-59.33	773.1	211.8	292.5	260.0	32.49	9.003		
7,200.0	7,074.5	7,115.5	6,943.3	18.2	20.8	-58.46	773.3	245.9	295.1	262.5	32.63	9.043		
7,250.0	7,103.6	7,156.3	6,964.0	18.4	21.0	-57.70	773.6	281.1	297.4	264.6	32.89	9.044		
7,300.0	7,129.7	7,200.0	6,984.0	18.7	21.3	-57.03	773.9	320.0	299.5	266.2	33.30	8.994		
7,350.0	7,152.9	7,237.6	6,999.2	19.1	21.5	-56.55	774.1	354.3	301.2	267.3	33.85	8.898		
7,400.0	7,172.9	7,278.0	7,013.5	19.6	21.9	-56.14	774.4	392.1	302.6	268.0	34.59	8.746		
7,450.0	7,189.6	7,318.4	7,025.6	20.3	22.3	-55.85	774.7	430.7	303.6	268.0	35.53	8.543		
7,500.0	7,203.0	7,358.8	7,035.6	21.0	22.8	-55.66	775.0	469.8	304.2	267.5	36.67	8.296		
7,550.0	7,213.0	7,400.0	7,043.5	21.8	23.3	-55.59	775.2	510.2	304.5	266.4	38.01	8.010		
7,600.0	7,219.6	7,439.4	7,048.8	22.7	23.9	-55.62	775.5	549.3	304.3	264.8	39.52	7.700		
7,650.0	7,222.7	7,479.8	7,052.0	23.6	24.6	-55.77	775.8	589.5	303.8	262.6	41.21	7.371		
7,669.6	7,223.0	7,500.0	7,052.8	24.0	24.9	-55.88	776.0	609.7	303.6	261.6	42.00	7.228		
7,692.4	7,223.0	7,514.0	7,053.0	24.4	25.1	-55.91	776.1	623.7	303.3	260.7	42.61	7.118		
7,700.0	7,223.0	7,520.9	7,053.0	24.6	25.3	-55.91	776.1	630.6	303.3	260.4	42.85	7.078		
7,800.0	7,223.0	7,620.9	7,053.0	26.6	27.2	-55.91	776.8	730.6	303.3	257.0	46.30	6.550		
7,900.0	7,223.0	7,720.9	7,053.0	28.8	29.2	-55.91	777.6	830.6	303.3	253.3	49.95	6.072		
8,000.0	7,223.0	7,820.9	7,053.0	31.1	31.4	-55.91	778.3	930.6	303.3	249.5	53.77	5.640		
8,100.0	7,223.0	7,920.9	7,053.0	33.4	33.7	-55.90	779.0	1,030.6	303.3	245.5	57.72	5.254		
8,200.0	7,223.0	8,020.9	7,053.0	35.9	36.0	-55.90	779.7	1,130.6	303.3	241.5	61.78	4.908		
8,300.0	7,223.0	8,120.9	7,053.0	38.3	38.4	-55.90	780.4	1,230.5	303.2	237.3	65.93	4.599		
8,400.0	7,223.0	8,220.9	7,053.0	40.9	40.9	-55.90	781.2	1,330.5	303.2	233.1	70.16	4.322		

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

SRC Wiedeman Pad Sec.5-T5N-R66W - SRC Wiedeman 21-5-3CHZ - Wellbore #1 - Plan #2 (9-24-14)													Offset Site Error:	0.0 ft
Survey Program: 0-MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,500.0	7,223.0	8,320.9	7,053.0	43.4	43.4	-55.90	781.9	1,430.5	303.2	228.8	74.44	4.074		
8,600.0	7,223.0	8,420.9	7,053.0	46.0	46.0	-55.90	782.6	1,530.5	303.2	224.5	78.78	3.849		
8,700.0	7,223.0	8,520.9	7,053.0	48.6	48.6	-55.90	783.3	1,630.5	303.2	220.1	83.15	3.647		
8,800.0	7,223.0	8,620.9	7,053.0	51.2	51.2	-55.90	784.0	1,730.5	303.2	215.7	87.57	3.463		
8,900.0	7,223.0	8,720.9	7,053.0	53.9	53.8	-55.90	784.8	1,830.5	303.2	211.2	92.01	3.295		
9,000.0	7,223.0	8,820.9	7,053.0	56.5	56.4	-55.90	785.5	1,930.5	303.2	206.7	96.48	3.143		
9,100.0	7,223.0	8,920.9	7,053.0	59.2	59.1	-55.90	786.2	2,030.5	303.2	202.2	100.98	3.003		
9,200.0	7,223.0	9,020.9	7,053.0	61.9	61.7	-55.90	786.9	2,130.5	303.2	197.7	105.49	2.874		
9,300.0	7,223.0	9,120.9	7,053.0	64.6	64.4	-55.90	787.6	2,230.5	303.2	193.2	110.03	2.756		
9,400.0	7,223.0	9,220.9	7,053.0	67.3	67.1	-55.89	788.4	2,330.5	303.2	188.6	114.57	2.646		
9,500.0	7,223.0	9,320.9	7,053.0	70.0	69.8	-55.89	789.1	2,430.5	303.2	184.0	119.14	2.545		
9,600.0	7,223.0	9,420.9	7,053.0	72.7	72.5	-55.89	789.8	2,530.5	303.2	179.5	123.71	2.451		
9,700.0	7,223.0	9,520.9	7,053.0	75.5	75.2	-55.89	790.5	2,630.5	303.2	174.9	128.30	2.363		
9,800.0	7,223.0	9,620.9	7,053.0	78.2	78.0	-55.89	791.2	2,730.5	303.2	170.3	132.89	2.281		
9,900.0	7,223.0	9,720.9	7,053.0	80.9	80.7	-55.89	792.0	2,830.5	303.2	165.7	137.50	2.205		
10,000.0	7,223.0	9,820.9	7,053.0	83.7	83.4	-55.89	792.7	2,930.5	303.1	161.0	142.11	2.133		
10,100.0	7,223.0	9,920.9	7,053.0	86.4	86.2	-55.89	793.4	3,030.5	303.1	156.4	146.73	2.066		
10,200.0	7,223.0	10,020.9	7,053.0	89.2	88.9	-55.89	794.1	3,130.5	303.1	151.8	151.35	2.003		
10,300.0	7,223.0	10,120.9	7,053.0	91.9	91.7	-55.89	794.8	3,230.5	303.1	147.1	155.98	1.943		
10,400.0	7,223.0	10,220.9	7,053.0	94.7	94.4	-55.89	795.6	3,330.5	303.1	142.5	160.62	1.887		
10,500.0	7,223.0	10,320.9	7,053.0	97.5	97.2	-55.89	796.3	3,430.5	303.1	137.9	165.26	1.834		
10,600.0	7,223.0	10,420.9	7,053.0	100.2	99.9	-55.89	797.0	3,530.5	303.1	133.2	169.91	1.784		
10,700.0	7,223.0	10,520.9	7,053.0	103.0	102.7	-55.88	797.7	3,630.5	303.1	128.5	174.56	1.736		
10,800.0	7,223.0	10,620.9	7,053.0	105.8	105.4	-55.88	798.4	3,730.5	303.1	123.9	179.21	1.691		
10,900.0	7,223.0	10,720.9	7,053.0	108.5	108.2	-55.88	799.2	3,830.5	303.1	119.2	183.87	1.648		
11,000.0	7,223.0	10,820.9	7,053.0	111.3	111.0	-55.88	799.9	3,930.5	303.1	114.6	188.53	1.608		
11,100.0	7,223.0	10,920.9	7,053.0	114.1	113.7	-55.88	800.6	4,030.5	303.1	109.9	193.20	1.569		
11,200.0	7,223.0	11,020.9	7,053.0	116.8	116.5	-55.88	801.3	4,130.5	303.1	105.2	197.86	1.532		
11,300.0	7,223.0	11,120.9	7,053.0	119.6	119.3	-55.88	802.0	4,230.5	303.1	100.5	202.53	1.496 Level 3		
11,400.0	7,223.0	11,220.9	7,053.0	122.4	122.1	-55.88	802.8	4,330.5	303.1	95.9	207.20	1.463 Level 3		
11,500.0	7,223.0	11,320.9	7,053.0	125.2	124.8	-55.88	803.5	4,430.5	303.1	91.2	211.88	1.430 Level 3		
11,600.0	7,223.0	11,420.9	7,053.0	128.0	127.6	-55.88	804.2	4,530.5	303.1	86.5	216.56	1.399 Level 3		
11,700.0	7,223.0	11,520.9	7,053.0	130.7	130.4	-55.88	804.9	4,630.5	303.0	81.8	221.23	1.370 Level 3		
11,800.0	7,223.0	11,620.9	7,053.0	133.5	133.2	-55.88	805.6	4,730.5	303.0	77.1	225.91	1.341 Level 3		
11,900.0	7,223.0	11,720.9	7,053.0	136.3	135.9	-55.88	806.4	4,830.5	303.0	72.4	230.60	1.314 Level 3		
12,000.0	7,223.0	11,820.9	7,053.0	139.1	138.7	-55.87	807.1	4,930.5	303.0	67.7	235.28	1.288 Level 3		
12,100.0	7,223.0	11,920.9	7,053.0	141.9	141.5	-55.87	807.8	5,030.4	303.0	63.1	239.96	1.263 Level 3		
12,200.0	7,223.0	12,020.9	7,053.0	144.7	144.3	-55.87	808.5	5,130.4	303.0	58.4	244.65	1.239 Level 2		
12,300.0	7,223.0	12,120.9	7,053.0	147.4	147.1	-55.87	809.2	5,230.4	303.0	53.7	249.34	1.215 Level 2		
12,400.0	7,223.0	12,220.9	7,053.0	150.2	149.9	-55.87	810.0	5,330.4	303.0	49.0	254.03	1.193 Level 2		
12,500.0	7,223.0	12,320.9	7,053.0	153.0	152.7	-55.87	810.7	5,430.4	303.0	44.3	258.72	1.171 Level 2		
12,600.0	7,223.0	12,420.9	7,053.0	155.8	155.4	-55.87	811.4	5,530.4	303.0	39.6	263.41	1.150 Level 2		
12,700.0	7,223.0	12,520.9	7,053.0	158.6	158.2	-55.87	812.1	5,630.4	303.0	34.9	268.10	1.130 Level 2		
12,800.0	7,223.0	12,620.9	7,053.0	161.4	161.0	-55.87	812.9	5,730.4	303.0	30.2	272.80	1.111 Level 2		
12,900.0	7,223.0	12,720.9	7,053.0	164.2	163.8	-55.87	813.6	5,830.4	303.0	25.5	277.49	1.092 Level 2		
13,000.0	7,223.0	12,820.9	7,053.0	167.0	166.6	-55.87	814.3	5,930.4	303.0	20.8	282.19	1.074 Level 2		
13,100.0	7,223.0	12,920.9	7,053.0	169.8	169.4	-55.87	815.0	6,030.4	303.0	16.1	286.88	1.056 Level 2		
13,200.0	7,223.0	13,020.9	7,053.0	172.6	172.2	-55.87	815.7	6,130.4	303.0	11.4	291.58	1.039 Level 2		
13,300.0	7,223.0	13,120.9	7,053.0	175.3	175.0	-55.86	816.5	6,230.4	303.0	6.7	296.28	1.023 Level 2		
13,400.0	7,223.0	13,220.9	7,053.0	178.1	177.8	-55.86	817.2	6,330.4	302.9	2.0	300.98	1.007 Level 2		
13,500.0	7,223.0	13,320.9	7,053.0	180.9	180.5	-55.86	817.9	6,430.4	302.9	-2.7	305.67	0.991 Level 1		
13,600.0	7,223.0	13,420.9	7,053.0	183.7	183.3	-55.86	818.6	6,530.4	302.9	-7.4	310.37	0.976 Level 1		

Company:	Synergy Resources	Local Co-ordinate Reference:	Well SRC Wiedeman 21-5-3NBHZ
Project:	Sec.5-T5N-R66W	TVD Reference:	WELL @ 4796.0ft (RKB - 13')
Reference Site:	SRC Wiedeman Pad Sec.5-T5N-R66W	MD Reference:	WELL @ 4796.0ft (RKB - 13')
Site Error:	0.0ft	North Reference:	True
Reference Well:	SRC Wiedeman 21-5-3NBHZ	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 (9-24-14)	Offset TVD Reference:	Offset Datum

Offset Design SRC Wiedeman Pad Sec.5-T5N-R66W - SRC Wiedeman 21-5-3CHZ - Wellbore #1 - Plan #2 (9-24-14)													Offset Site Error:	0.0 ft
Survey Program: 0-MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
13,700.0	7,223.0	13,520.9	7,053.0	186.5	186.1	-55.86	819.3	6,630.4	302.9	-12.1	315.07	0.961	Level 1	
13,800.0	7,223.0	13,620.9	7,053.0	189.3	188.9	-55.86	820.1	6,730.4	302.9	-16.9	319.78	0.947	Level 1	
13,900.0	7,223.0	13,720.9	7,053.0	192.1	191.7	-55.86	820.8	6,830.4	302.9	-21.6	324.48	0.934	Level 1	
14,000.0	7,223.0	13,820.9	7,053.0	194.9	194.5	-55.86	821.5	6,930.4	302.9	-26.3	329.18	0.920	Level 1	
14,100.0	7,223.0	13,920.9	7,053.0	197.7	197.3	-55.86	822.2	7,030.4	302.9	-31.0	333.88	0.907	Level 1	
14,200.0	7,223.0	14,020.9	7,053.0	200.5	200.1	-55.86	822.9	7,130.4	302.9	-35.7	338.59	0.895	Level 1	
14,300.0	7,223.0	14,120.9	7,053.0	203.3	202.9	-55.86	823.7	7,230.4	302.9	-40.4	343.29	0.882	Level 1	
14,400.0	7,223.0	14,220.9	7,053.0	206.1	205.7	-55.86	824.4	7,330.4	302.9	-45.1	347.99	0.870	Level 1	
14,500.0	7,223.0	14,320.9	7,053.0	208.9	208.5	-55.86	825.1	7,430.4	302.9	-49.8	352.70	0.859	Level 1	
14,600.0	7,223.0	14,420.9	7,053.0	211.7	211.3	-55.85	825.8	7,530.4	302.9	-54.5	357.40	0.847	Level 1	
14,700.0	7,223.0	14,520.9	7,053.0	214.5	214.1	-55.85	826.5	7,630.4	302.9	-59.2	362.11	0.836	Level 1	
14,800.0	7,223.0	14,620.9	7,053.0	217.3	216.9	-55.85	827.3	7,730.4	302.9	-64.0	366.81	0.826	Level 1	
14,900.0	7,223.0	14,720.9	7,053.0	220.1	219.7	-55.85	828.0	7,830.4	302.9	-68.7	371.52	0.815	Level 1	
15,000.0	7,223.0	14,820.9	7,053.0	222.9	222.5	-55.85	828.7	7,930.4	302.9	-73.4	376.23	0.805	Level 1	
15,100.0	7,223.0	14,920.9	7,053.0	225.7	225.3	-55.85	829.4	8,030.4	302.8	-78.1	380.93	0.795	Level 1	
15,200.0	7,223.0	15,020.9	7,053.0	228.5	228.1	-55.85	830.1	8,130.4	302.8	-82.8	385.64	0.785	Level 1	
15,300.0	7,223.0	15,120.9	7,053.0	231.3	230.9	-55.85	830.9	8,230.4	302.8	-87.5	390.35	0.776	Level 1	
15,400.0	7,223.0	15,220.9	7,053.0	234.1	233.7	-55.85	831.6	8,330.4	302.8	-92.2	395.05	0.767	Level 1	
15,500.0	7,223.0	15,320.9	7,053.0	236.9	236.5	-55.85	832.3	8,430.4	302.8	-96.9	399.76	0.758	Level 1	
15,600.0	7,223.0	15,420.9	7,053.0	239.7	239.3	-55.85	833.0	8,530.4	302.8	-101.7	404.47	0.749	Level 1	
15,700.0	7,223.0	15,520.9	7,053.0	242.5	242.1	-55.85	833.7	8,630.4	302.8	-106.4	409.18	0.740	Level 1	
15,800.0	7,223.0	15,620.9	7,053.0	245.3	244.9	-55.85	834.5	8,730.4	302.8	-111.1	413.89	0.732	Level 1	
15,900.0	7,223.0	15,720.9	7,053.0	248.1	247.7	-55.85	835.2	8,830.4	302.8	-115.8	418.59	0.723	Level 1	
16,000.0	7,223.0	15,820.9	7,053.0	250.9	250.5	-55.84	835.9	8,930.3	302.8	-120.5	423.30	0.715	Level 1	
16,100.0	7,223.0	15,920.9	7,053.0	253.7	253.3	-55.84	836.6	9,030.3	302.8	-125.2	428.01	0.707	Level 1	
16,200.0	7,223.0	16,020.9	7,053.0	256.5	256.1	-55.84	837.3	9,130.3	302.8	-129.9	432.72	0.700	Level 1	
16,300.0	7,223.0	16,120.9	7,053.0	259.3	258.9	-55.84	838.1	9,230.3	302.8	-134.7	437.43	0.692	Level 1	
16,400.0	7,223.0	16,220.9	7,053.0	262.1	261.7	-55.84	838.8	9,330.3	302.8	-139.4	442.14	0.685	Level 1	
16,500.0	7,223.0	16,320.9	7,053.0	264.9	264.5	-55.84	839.5	9,430.3	302.8	-144.1	446.85	0.678	Level 1	
16,600.0	7,223.0	16,420.9	7,053.0	267.7	267.3	-55.84	840.2	9,530.3	302.8	-148.8	451.56	0.670	Level 1	
16,700.0	7,223.0	16,520.9	7,053.0	270.5	270.1	-55.84	840.9	9,630.3	302.7	-153.5	456.27	0.664	Level 1	
16,800.0	7,223.0	16,620.9	7,053.0	273.3	272.9	-55.84	841.7	9,730.3	302.7	-158.2	460.98	0.657	Level 1	
16,900.0	7,223.0	16,720.9	7,053.0	276.1	275.7	-55.84	842.4	9,830.3	302.7	-163.0	465.69	0.650	Level 1	
17,000.0	7,223.0	16,820.9	7,053.0	278.9	278.5	-55.84	843.1	9,930.3	302.7	-167.7	470.40	0.644	Level 1	
17,044.9	7,223.0	16,865.8	7,053.0	280.1	279.7	-55.84	843.4	9,975.3	302.7	-169.8	472.52	0.641	Level 1, ES, SF	

Company:	Synergy Resources	Local Co-ordinate Reference:	Well SRC Wiedeman 21-5-3NBHZ
Project:	Sec.5-T5N-R66W	TVD Reference:	WELL @ 4796.0ft (RKB - 13')
Reference Site:	SRC Wiedeman Pad Sec.5-T5N-R66W	MD Reference:	WELL @ 4796.0ft (RKB - 13')
Site Error:	0.0ft	North Reference:	True
Reference Well:	SRC Wiedeman 21-5-3NBHZ	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 (9-24-14)	Offset TVD Reference:	Offset Datum

Offset Design SRC Wiedeman Pad Sec.5-T5N-R66W - SRC Wiedeman 22-5-4CHZ - Wellbore #1 - Plan #2 (9-02-14)													Offset Site Error:	0.0 ft
Survey Program: 0-MWD													Offset Well Error:	0.0 ft
Reference	Offset	Semi Major Axis		Distance		Warning								
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.0	0.0	0.0	0.0	0.0	0.0	-174.50	-89.6	-8.6	90.0					
100.0	100.0	100.0	100.0	0.1	0.1	-174.50	-89.6	-8.6	90.0	89.8	0.22	400.540		
200.0	200.0	200.0	200.0	0.3	0.3	-174.50	-89.6	-8.6	90.0	89.4	0.67	133.513		
300.0	300.0	300.0	300.0	0.6	0.6	-174.50	-89.6	-8.6	90.0	88.9	1.12	80.108		
400.0	400.0	400.0	400.0	0.8	0.8	-174.50	-89.6	-8.6	90.0	88.5	1.57	57.220		
500.0	500.0	500.0	500.0	1.0	1.0	-174.50	-89.6	-8.6	90.0	88.0	2.02	44.504 CC, ES		
600.0	600.0	597.0	596.9	1.2	1.2	-174.32	-91.2	-9.1	91.7	89.3	2.44	37.566		
700.0	700.0	693.7	693.6	1.5	1.4	-173.82	-95.9	-10.4	96.7	93.8	2.85	33.934		
800.0	800.0	790.0	789.5	1.7	1.6	-173.10	-103.7	-12.5	105.0	101.8	3.27	32.115		
900.0	900.0	885.6	884.5	1.9	1.8	-172.27	-114.6	-15.6	116.7	113.0	3.70	31.530 SF		
1,000.0	1,000.0	980.4	978.2	2.1	2.1	-171.42	-128.3	-19.4	131.6	127.5	4.14	31.802		
1,100.0	1,100.0	1,075.9	1,072.1	2.4	2.4	-158.31	-144.9	-24.0	151.1	146.5	4.60	32.871		
1,200.0	1,199.8	1,173.2	1,167.7	2.6	2.8	-158.11	-162.3	-28.8	174.3	169.3	5.04	34.554		
1,300.0	1,299.5	1,269.6	1,262.5	2.8	3.1	-158.27	-179.6	-33.6	200.7	195.2	5.49	36.564		
1,400.0	1,398.7	1,365.2	1,356.3	3.1	3.5	-158.66	-196.6	-38.3	230.1	224.2	5.93	38.824		
1,423.0	1,421.5	1,387.0	1,377.8	3.1	3.6	-158.77	-200.6	-39.4	237.4	231.3	6.03	39.374		
1,500.0	1,497.6	1,460.0	1,449.5	3.3	3.9	-159.28	-213.6	-43.0	261.8	255.4	6.38	41.063		
1,600.0	1,596.5	1,554.8	1,542.6	3.6	4.2	-159.81	-230.5	-47.7	293.6	286.8	6.84	42.929		
1,700.0	1,695.5	1,649.5	1,635.8	3.9	4.6	-160.24	-247.5	-52.4	325.4	318.1	7.30	44.551		
1,800.0	1,794.4	1,744.3	1,728.9	4.2	5.0	-160.59	-264.4	-57.1	357.2	349.4	7.77	45.950		
1,900.0	1,893.3	1,839.1	1,822.0	4.5	5.4	-160.89	-281.4	-61.8	389.0	380.8	8.25	47.169		
2,000.0	1,992.2	1,933.9	1,915.2	4.8	5.8	-161.14	-298.3	-66.5	420.9	412.2	8.73	48.238		
2,100.0	2,091.1	2,028.7	2,008.3	5.1	6.2	-161.36	-315.3	-71.2	452.7	443.5	9.20	49.183		
2,200.0	2,190.0	2,123.5	2,101.5	5.5	6.5	-161.54	-332.2	-75.9	484.6	474.9	9.69	50.023		
2,300.0	2,288.9	2,218.2	2,194.6	5.8	6.9	-161.71	-349.2	-80.6	516.4	506.3	10.17	50.774		
2,400.0	2,387.8	2,313.0	2,287.7	6.1	7.3	-161.85	-366.1	-85.3	548.3	537.6	10.66	51.449		
2,500.0	2,486.7	2,407.8	2,380.9	6.5	7.7	-161.98	-383.1	-90.0	580.1	569.0	11.14	52.059		
2,600.0	2,585.7	2,502.6	2,474.0	6.8	8.1	-162.10	-400.0	-94.7	612.0	600.4	11.63	52.612		
2,700.0	2,684.6	2,597.4	2,567.1	7.1	8.5	-162.20	-417.0	-99.3	643.9	631.7	12.12	53.115		
2,800.0	2,783.5	2,692.1	2,660.3	7.5	8.9	-162.30	-433.9	-104.0	675.7	663.1	12.61	53.576		
2,900.0	2,882.4	2,786.9	2,753.4	7.8	9.3	-162.38	-450.9	-108.7	707.6	694.5	13.10	53.998		
3,000.0	2,981.3	2,881.7	2,846.5	8.1	9.7	-162.46	-467.8	-113.4	739.5	725.9	13.60	54.386		
3,100.0	3,080.2	2,976.5	2,939.7	8.5	10.1	-162.53	-484.7	-118.1	771.3	757.2	14.09	54.745		
3,200.0	3,179.1	3,071.3	3,032.8	8.8	10.5	-162.60	-501.7	-122.8	803.2	788.6	14.58	55.077		
3,300.0	3,278.0	3,166.1	3,126.0	9.2	10.9	-162.66	-518.6	-127.5	835.1	820.0	15.08	55.385		
3,400.0	3,377.0	3,260.8	3,219.1	9.5	11.3	-162.72	-535.6	-132.2	866.9	851.4	15.57	55.671		
3,500.0	3,475.9	3,355.6	3,312.2	9.9	11.7	-162.77	-552.5	-136.9	898.8	882.7	16.07	55.938		
3,600.0	3,574.8	3,450.4	3,405.4	10.2	12.1	-162.82	-569.5	-141.6	930.7	914.1	16.56	56.188		
3,700.0	3,673.7	3,545.2	3,498.5	10.5	12.5	-162.87	-586.4	-146.3	962.6	945.5	17.06	56.422		
3,800.0	3,772.6	3,640.0	3,591.6	10.9	12.9	-162.91	-603.4	-151.0	994.4	976.9	17.56	56.641		

SRC Wiedeman Pad Sec.5-T5N-R66W - SRC Wiedeman 22-5-4NBHZ - Wellbore #1 - Plan #3 (9-24-1)													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	-174.46	-74.7	-7.2	75.0					
100.0	100.0	100.0	100.0	0.1	0.1	-174.46	-74.7	-7.2	75.0	74.8	0.22	333.833		
200.0	200.0	200.0	200.0	0.3	0.3	-174.46	-74.7	-7.2	75.0	74.4	0.67	111.278		
300.0	300.0	300.0	300.0	0.6	0.6	-174.46	-74.7	-7.2	75.0	73.9	1.12	66.767		
400.0	400.0	400.0	400.0	0.8	0.8	-174.46	-74.7	-7.2	75.0	73.5	1.57	47.690		
500.0	500.0	500.0	500.0	1.0	1.0	-174.46	-74.7	-7.2	75.0	73.0	2.02	37.093		
600.0	600.0	600.0	600.0	1.2	1.2	-174.46	-74.7	-7.2	75.0	72.6	2.47	30.348		
700.0	700.0	700.0	700.0	1.5	1.5	-174.46	-74.7	-7.2	75.0	72.1	2.92	25.679		
800.0	800.0	800.0	800.0	1.7	1.7	-174.46	-74.7	-7.2	75.0	71.7	3.37	22.256	CC, ES	
900.0	900.0	897.5	897.5	1.9	1.9	-174.19	-76.3	-7.8	76.7	72.9	3.79	20.239		
1,000.0	1,000.0	994.7	994.6	2.1	2.1	-173.45	-81.0	-9.3	81.7	77.5	4.19	19.485	SF	
1,100.0	1,100.0	1,091.3	1,090.8	2.4	2.2	-160.29	-88.7	-11.9	91.6	87.0	4.61	19.881		
1,200.0	1,199.8	1,186.7	1,185.5	2.6	2.5	-159.93	-99.4	-15.4	108.1	103.1	5.03	21.480		
1,300.0	1,299.5	1,280.7	1,278.4	2.8	2.7	-159.87	-112.9	-19.8	131.0	125.5	5.46	23.973		
1,400.0	1,398.7	1,376.9	1,373.3	3.1	3.0	-160.10	-127.8	-24.7	158.2	152.3	5.89	26.873		
1,423.0	1,421.5	1,398.9	1,395.0	3.1	3.0	-160.19	-131.2	-25.8	165.0	159.0	5.98	27.564		
1,500.0	1,497.6	1,472.4	1,467.6	3.3	3.3	-160.61	-142.7	-29.6	187.7	181.4	6.32	29.709		
1,600.0	1,596.5	1,567.9	1,561.8	3.6	3.6	-161.03	-157.5	-34.5	217.3	210.6	6.76	32.143		
1,700.0	1,695.5	1,663.4	1,656.0	3.9	3.9	-161.35	-172.4	-39.3	246.9	239.7	7.21	34.246		
1,800.0	1,794.4	1,758.9	1,750.2	4.2	4.2	-161.60	-187.2	-44.2	276.6	268.9	7.67	36.060		
1,900.0	1,893.3	1,854.4	1,844.5	4.5	4.6	-161.80	-202.0	-49.1	306.2	298.0	8.13	37.664		
2,000.0	1,992.2	1,949.9	1,938.7	4.8	4.9	-161.97	-216.9	-54.0	335.8	327.2	8.59	39.072		
2,100.0	2,091.1	2,045.4	2,032.9	5.1	5.2	-162.11	-231.7	-58.8	365.4	356.3	9.06	40.318		
2,200.0	2,190.0	2,141.0	2,127.1	5.5	5.6	-162.23	-246.5	-63.7	395.0	385.5	9.54	41.428		
2,300.0	2,288.9	2,236.5	2,221.3	5.8	5.9	-162.33	-261.4	-68.6	424.7	414.6	10.01	42.422		
2,400.0	2,387.8	2,332.0	2,315.6	6.1	6.3	-162.42	-276.2	-73.5	454.3	443.8	10.49	43.316		
2,500.0	2,486.7	2,427.5	2,409.8	6.5	6.6	-162.50	-291.1	-78.3	483.9	472.9	10.97	44.124		
2,600.0	2,585.7	2,523.0	2,504.0	6.8	7.0	-162.56	-305.9	-83.2	513.5	502.1	11.45	44.857		
2,700.0	2,684.6	2,618.5	2,598.2	7.1	7.4	-162.63	-320.7	-88.1	543.2	531.2	11.93	45.526		
2,800.0	2,783.5	2,714.0	2,692.5	7.5	7.7	-162.68	-335.6	-93.0	572.8	560.4	12.41	46.137		
2,900.0	2,882.4	2,809.5	2,786.7	7.8	8.1	-162.73	-350.4	-97.9	602.4	589.5	12.90	46.698		
3,000.0	2,981.3	2,905.0	2,880.9	8.1	8.4	-162.78	-365.3	-102.7	632.0	618.7	13.39	47.214		
3,100.0	3,080.2	3,000.5	2,975.1	8.5	8.8	-162.82	-380.1	-107.6	661.7	647.8	13.87	47.691		
3,200.0	3,179.1	3,096.0	3,069.4	8.8	9.2	-162.85	-394.9	-112.5	691.3	676.9	14.36	48.132		
3,300.0	3,278.0	3,191.6	3,163.6	9.2	9.5	-162.89	-409.8	-117.4	720.9	706.1	14.85	48.541		
3,400.0	3,377.0	3,287.1	3,257.8	9.5	9.9	-162.92	-424.6	-122.2	750.6	735.2	15.34	48.922		
3,500.0	3,475.9	3,382.6	3,352.0	9.9	10.3	-162.95	-439.5	-127.1	780.2	764.4	15.83	49.277		
3,600.0	3,574.8	3,478.1	3,446.2	10.2	10.6	-162.98	-454.3	-132.0	809.8	793.5	16.32	49.609		
3,700.0	3,673.7	3,573.6	3,540.5	10.5	11.0	-163.00	-469.1	-136.9	839.4	822.6	16.82	49.920		
3,800.0	3,772.6	3,669.1	3,634.7	10.9	11.3	-163.02	-484.0	-141.7	869.1	851.8	17.31	50.211		
3,900.0	3,871.5	3,764.6	3,728.9	11.2	11.7	-163.05	-498.8	-146.6	898.7	880.9	17.80	50.485		
4,000.0	3,970.4	3,860.1	3,823.1	11.6	12.1	-163.07	-513.6	-151.5	928.3	910.0	18.29	50.743		
4,100.0	4,069.3	3,955.6	3,917.4	11.9	12.4	-163.09	-528.5	-156.4	958.0	939.2	18.79	50.986		
4,200.0	4,168.2	4,051.1	4,011.6	12.3	12.8	-163.10	-543.3	-161.3	987.6	968.3	19.28	51.216		

Company:	Synergy Resources	Local Co-ordinate Reference:	Well SRC Wiedeman 21-5-3NBHZ
Project:	Sec.5-T5N-R66W	TVD Reference:	WELL @ 4796.0ft (RKB - 13')
Reference Site:	SRC Wiedeman Pad Sec.5-T5N-R66W	MD Reference:	WELL @ 4796.0ft (RKB - 13')
Site Error:	0.0ft	North Reference:	True
Reference Well:	SRC Wiedeman 21-5-3NBHZ	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 (9-24-14)	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.0 ft
Survey Program: 0-MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.0	0.0	0.0	0.0	0.0	0.0	-174.68	-29.9	-2.8	30.0					
100.0	100.0	100.0	100.0	0.1	0.1	-174.68	-29.9	-2.8	30.0	29.8	0.22	133.468		
200.0	200.0	200.0	200.0	0.3	0.3	-174.68	-29.9	-2.8	30.0	29.3	0.67	44.489		
300.0	300.0	300.0	300.0	0.6	0.6	-174.68	-29.9	-2.8	30.0	28.9	1.12	26.694		
400.0	400.0	400.0	400.0	0.8	0.8	-174.68	-29.9	-2.8	30.0	28.4	1.57	19.067		
500.0	500.0	500.0	500.0	1.0	1.0	-174.68	-29.9	-2.8	30.0	28.0	2.02	14.830		
600.0	600.0	600.0	600.0	1.2	1.2	-174.68	-29.9	-2.8	30.0	27.5	2.47	12.133		
700.0	700.0	700.0	700.0	1.5	1.5	-174.68	-29.9	-2.8	30.0	27.1	2.92	10.267		
800.0	800.0	800.0	800.0	1.7	1.7	-174.68	-29.9	-2.8	30.0	26.6	3.37	8.898		
900.0	900.0	900.0	900.0	1.9	1.9	-174.68	-29.9	-2.8	30.0	26.2	3.82	7.851		
1,000.0	1,000.0	1,000.0	1,000.0	2.1	2.1	-174.68	-29.9	-2.8	30.0	25.7	4.27	7.025 CC		
1,100.0	1,100.0	1,100.0	1,100.0	2.4	2.4	-163.23	-29.9	-2.8	31.7	26.9	4.72	6.710		
1,200.0	1,199.8	1,199.8	1,199.8	2.6	2.6	-165.56	-29.9	-2.8	36.7	31.5	5.16	7.107		
1,300.0	1,299.5	1,299.5	1,299.5	2.8	2.8	-168.28	-29.9	-2.8	45.2	39.6	5.61	8.063		
1,400.0	1,398.7	1,398.7	1,398.7	3.1	3.0	-170.72	-29.9	-2.8	57.2	51.1	6.04	9.466		
1,423.0	1,421.5	1,421.5	1,421.5	3.1	3.1	-171.22	-29.9	-2.8	60.4	54.3	6.14	9.843		
1,500.0	1,497.6	1,497.6	1,497.6	3.3	3.3	-172.60	-29.9	-2.8	71.7	65.2	6.49	11.047		
1,600.0	1,596.5	1,596.5	1,596.5	3.6	3.5	-173.86	-29.9	-2.8	86.3	79.3	6.94	12.434		
1,700.0	1,695.5	1,695.5	1,695.5	3.9	3.7	-174.75	-29.9	-2.8	100.9	93.5	7.39	13.651		
1,800.0	1,794.4	1,794.4	1,794.4	4.2	3.9	-175.42	-29.9	-2.8	115.6	107.7	7.85	14.727		
1,900.0	1,893.3	1,893.3	1,893.3	4.5	4.1	-175.94	-29.9	-2.8	130.2	121.9	8.30	15.684		
2,000.0	1,992.2	1,992.2	1,992.2	4.8	4.4	-176.35	-29.9	-2.8	144.9	136.2	8.76	16.539		
2,100.0	2,091.1	2,094.7	2,094.7	5.1	4.6	-176.29	-29.0	-4.1	158.6	149.3	9.22	17.190		
2,200.0	2,190.0	2,198.1	2,198.0	5.5	4.8	-175.32	-25.9	-8.4	169.8	160.1	9.69	17.525		
2,300.0	2,288.9	2,301.8	2,301.2	5.8	5.0	-173.59	-20.8	-15.8	178.6	168.5	10.16	17.578		
2,400.0	2,387.8	2,401.3	2,400.2	6.1	5.3	-171.67	-14.8	-24.3	186.5	175.9	10.64	17.529		
2,500.0	2,486.7	2,500.8	2,499.1	6.5	5.5	-169.91	-8.8	-32.9	194.6	183.4	11.13	17.486		
2,600.0	2,585.7	2,600.3	2,598.1	6.8	5.8	-168.29	-2.8	-41.4	202.8	191.2	11.62	17.448		
2,700.0	2,684.6	2,699.8	2,697.0	7.1	6.0	-166.79	3.1	-49.9	211.2	199.1	12.13	17.415		
2,800.0	2,783.5	2,799.3	2,796.0	7.5	6.3	-165.42	9.1	-58.4	219.7	207.1	12.64	17.385		
2,900.0	2,882.4	2,898.8	2,895.0	7.8	6.5	-164.14	15.1	-67.0	228.4	215.2	13.16	17.357		
3,000.0	2,981.3	2,998.3	2,993.9	8.1	6.8	-162.96	21.0	-75.5	237.1	223.4	13.68	17.332		
3,100.0	3,080.2	3,097.8	3,092.9	8.5	7.0	-161.86	27.0	-84.0	245.9	231.7	14.21	17.308		
3,200.0	3,179.1	3,197.3	3,191.8	8.8	7.3	-160.84	33.0	-92.6	254.9	240.1	14.74	17.285		
3,300.0	3,278.0	3,296.8	3,290.8	9.2	7.6	-159.89	39.0	-101.1	263.8	248.6	15.28	17.263		
3,400.0	3,377.0	3,396.3	3,389.7	9.5	7.8	-159.00	44.9	-109.6	272.9	257.1	15.83	17.243		
3,500.0	3,475.9	3,495.8	3,488.7	9.9	8.1	-158.16	50.9	-118.1	282.0	265.7	16.38	17.223		
3,600.0	3,574.8	3,595.3	3,587.6	10.2	8.4	-157.38	56.9	-126.7	291.2	274.3	16.93	17.204		
3,700.0	3,673.7	3,694.8	3,686.6	10.5	8.6	-156.65	62.8	-135.2	300.4	283.0	17.48	17.186		
3,800.0	3,772.6	3,794.3	3,785.6	10.9	8.9	-155.96	68.8	-143.7	309.7	291.7	18.04	17.169		
3,900.0	3,871.5	3,890.3	3,881.1	11.2	9.2	-155.53	73.9	-151.0	319.5	301.0	18.55	17.223		
4,000.0	3,970.4	3,985.4	3,976.1	11.6	9.3	-155.63	77.2	-155.7	330.6	311.6	19.00	17.401		
4,100.0	4,069.3	4,080.1	4,070.7	11.9	9.5	-156.20	78.6	-157.8	343.0	323.6	19.41	17.672		
4,200.0	4,168.2	4,177.6	4,168.2	12.3	9.7	-157.12	78.7	-157.9	356.4	336.6	19.81	17.990		
4,300.0	4,267.2	4,276.5	4,267.2	12.6	9.9	-158.00	78.7	-157.9	370.1	349.8	20.24	18.282		
4,400.0	4,366.1	4,375.5	4,366.1	13.0	10.1	-158.83	78.7	-157.9	383.8	363.1	20.68	18.560		
4,500.0	4,465.0	4,474.4	4,465.0	13.3	10.3	-159.59	78.7	-157.9	397.5	376.4	21.11	18.828		
4,600.0	4,563.9	4,573.3	4,563.9	13.7	10.5	-160.30	78.7	-157.9	411.4	389.8	21.55	19.087		
4,614.8	4,578.5	4,587.9	4,578.5	13.7	10.5	-160.41	78.7	-157.9	413.4	391.8	21.62	19.125		
4,700.0	4,663.0	4,672.4	4,663.0	14.0	10.7	-160.99	78.7	-157.9	424.1	402.1	21.99	19.283		
4,800.0	4,762.5	4,771.9	4,762.5	14.2	10.9	-161.48	78.7	-157.9	433.6	411.2	22.39	19.368		
4,900.0	4,862.3	4,871.6	4,862.3	14.4	11.1	-161.79	78.7	-157.9	439.8	417.0	22.76	19.323		

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 Wiedeman 21-5-3NBHZ
Project:	Sec.5-T5N-R66W	TVD Reference:	WELL @ 4796.0ft (RKB - 13')
Reference Site:	SRC Wiedeman Pad Sec.5-T5N-R66W	MD Reference:	WELL @ 4796.0ft (RKB - 13')
Site Error:	0.0ft	North Reference:	True
Reference Well:	SRC Wiedeman 21-5-3NBHZ	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 (9-24-14)	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
5,000.0	4,962.2	4,971.6	4,962.2	14.6	11.4	-161.93	78.7	-157.9	442.7	419.6	23.11	19.154	
5,037.8	5,000.0	5,009.4	5,000.0	14.6	11.4	-174.34	78.7	-157.9	443.0	417.7	25.30	17.510	
5,100.0	5,062.2	5,071.6	5,062.2	14.7	11.6	-174.34	78.7	-157.9	443.0	417.4	25.53	17.351	
5,200.0	5,162.2	5,171.6	5,162.2	14.9	11.8	-174.34	78.7	-157.9	443.0	417.0	25.92	17.093	
5,300.0	5,262.2	5,271.6	5,262.2	15.0	12.0	-174.34	78.7	-157.9	443.0	416.7	26.30	16.840	
5,400.0	5,362.2	5,371.6	5,362.2	15.2	12.2	-174.34	78.7	-157.9	443.0	416.3	26.69	16.594	
5,500.0	5,462.2	5,471.6	5,462.2	15.4	12.4	-174.34	78.7	-157.9	443.0	415.9	27.08	16.354	
5,600.0	5,562.2	5,571.6	5,562.2	15.5	12.6	-174.34	78.7	-157.9	443.0	415.5	27.48	16.120	
5,700.0	5,662.2	5,671.6	5,662.2	15.7	12.8	-174.34	78.7	-157.9	443.0	415.1	27.87	15.892	
5,800.0	5,762.2	5,771.6	5,762.2	15.9	13.1	-174.34	78.7	-157.9	443.0	414.7	28.27	15.669	
5,900.0	5,862.2	5,871.6	5,862.2	16.1	13.3	-174.34	78.7	-157.9	443.0	414.3	28.67	15.452	
6,000.0	5,962.2	5,971.6	5,962.2	16.2	13.5	-174.34	78.7	-157.9	443.0	413.9	29.07	15.240	
6,100.0	6,062.2	6,071.6	6,062.2	16.4	13.7	-174.34	78.7	-157.9	443.0	413.5	29.47	15.033	
6,200.0	6,162.2	6,171.6	6,162.2	16.6	13.9	-174.34	78.7	-157.9	443.0	413.1	29.87	14.831	
6,300.0	6,262.2	6,271.6	6,262.2	16.8	14.1	-174.34	78.7	-157.9	443.0	412.7	30.27	14.634	
6,400.0	6,362.2	6,371.6	6,362.2	16.9	14.4	-174.34	78.7	-157.9	443.0	412.3	30.67	14.441	
6,500.0	6,462.2	6,471.6	6,462.2	17.1	14.6	-174.34	78.7	-157.9	443.0	411.9	31.08	14.253	
6,544.6	6,506.8	6,516.2	6,506.8	17.2	14.7	-174.34	78.7	-157.9	443.0	411.7	31.26	14.170	
6,550.0	6,512.2	6,522.0	6,512.6	17.2	14.7	96.08	78.7	-157.9	443.0	413.3	29.66	14.932	
6,600.0	6,562.1	6,575.5	6,566.0	17.3	14.8	96.06	78.7	-155.4	442.9	413.1	29.86	14.835	
6,650.0	6,611.8	6,628.9	6,619.1	17.4	14.9	96.01	78.8	-149.0	442.9	412.9	30.03	14.750	
6,700.0	6,661.0	6,682.4	6,671.5	17.4	14.9	95.92	78.9	-138.7	442.8	412.6	30.18	14.673	
6,750.0	6,709.4	6,735.7	6,722.9	17.5	15.0	95.81	79.0	-124.5	442.7	412.4	30.32	14.601	
6,800.0	6,756.8	6,789.0	6,773.1	17.6	15.1	95.67	79.1	-106.5	442.6	412.2	30.46	14.529	
6,850.0	6,803.0	6,842.2	6,821.7	17.6	15.2	95.50	79.3	-84.9	442.5	411.9	30.62	14.453	
6,900.0	6,847.8	6,895.3	6,868.4	17.7	15.2	95.30	79.5	-59.9	442.3	411.6	30.79	14.366	
6,950.0	6,890.9	6,948.2	6,913.1	17.7	15.3	95.07	79.7	-31.5	442.2	411.2	31.01	14.261	
7,000.0	6,932.1	7,001.0	6,955.4	17.8	15.5	94.82	79.9	0.0	442.0	410.7	31.28	14.129	
7,050.0	6,971.3	7,053.6	6,995.2	17.9	15.7	94.54	80.1	34.5	441.8	410.2	31.65	13.962	
7,100.0	7,008.2	7,106.0	7,032.2	17.9	15.9	94.24	80.4	71.6	441.7	409.5	32.11	13.754	
7,150.0	7,042.6	7,158.3	7,066.3	18.0	16.3	93.92	80.7	111.2	441.5	408.8	32.70	13.502	
7,200.0	7,074.5	7,210.3	7,097.2	18.2	16.7	93.58	81.0	152.9	441.3	407.9	33.43	13.202	
7,250.0	7,103.6	7,262.1	7,125.0	18.4	17.1	93.22	81.3	196.7	441.1	406.8	34.31	12.858	
7,300.0	7,129.7	7,313.7	7,149.4	18.7	17.7	92.85	81.7	242.1	441.0	405.6	35.35	12.475	
7,350.0	7,152.9	7,365.1	7,170.4	19.1	18.3	92.46	82.0	289.0	440.8	404.3	36.55	12.060	
7,400.0	7,172.9	7,416.2	7,188.0	19.6	19.0	92.06	82.4	337.0	440.7	402.8	37.91	11.624	
7,450.0	7,189.6	7,467.2	7,202.0	20.3	19.8	91.65	82.7	386.0	440.6	401.2	39.42	11.176	
7,500.0	7,203.0	7,517.9	7,212.4	21.0	20.7	91.24	83.1	435.6	440.5	399.4	41.06	10.727	
7,550.0	7,213.0	7,568.3	7,219.3	21.8	21.6	90.82	83.5	485.5	440.4	397.6	42.82	10.286	
7,600.0	7,219.6	7,618.5	7,222.6	22.7	22.5	90.39	83.8	535.6	440.4	395.7	44.67	9.859	
7,650.0	7,222.7	7,668.5	7,223.0	23.6	23.5	90.03	84.2	585.6	440.4	393.8	46.60	9.451	
7,669.6	7,223.0	7,688.1	7,223.0	24.0	23.9	90.00	84.4	605.2	440.4	393.0	47.37	9.296	
7,700.0	7,223.0	7,718.5	7,223.0	24.6	24.6	90.00	84.6	635.6	440.4	391.8	48.61	9.060	
7,800.0	7,223.0	7,818.5	7,223.0	26.6	26.7	90.00	85.3	735.6	440.4	387.5	52.85	8.333	
7,900.0	7,223.0	7,918.5	7,223.0	28.8	29.0	90.00	86.1	835.6	440.4	383.0	57.32	7.683	
8,000.0	7,223.0	8,018.5	7,223.0	31.1	31.3	90.00	86.8	935.6	440.4	378.4	61.98	7.105	
8,100.0	7,223.0	8,118.5	7,223.0	33.4	33.7	90.00	87.5	1,035.6	440.3	373.6	66.79	6.593	
8,200.0	7,223.0	8,218.5	7,223.0	35.9	36.2	90.00	88.3	1,135.6	440.3	368.6	71.71	6.141	
8,300.0	7,223.0	8,318.5	7,223.0	38.3	38.7	90.00	89.0	1,235.6	440.3	363.6	76.73	5.739	
8,400.0	7,223.0	8,418.5	7,223.0	40.9	41.3	90.00	89.7	1,335.6	440.3	358.5	81.83	5.381	
8,500.0	7,223.0	8,518.5	7,223.0	43.4	43.9	90.00	90.5	1,435.6	440.3	353.3	86.99	5.062	
8,600.0	7,223.0	8,618.5	7,223.0	46.0	46.5	90.00	91.2	1,535.6	440.3	348.1	92.20	4.775	

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

SRC Wiedeman Pad Sec.5-T5N-R66W - SRC Wiedeman A-5-3NBHZ - Wellbore #1 - Plan #3 (9-24-14)													Offset Site Error:	0.0 ft
Survey Program: 0-MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance							
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning	
8,700.0	7,223.0	8,718.5	7,223.0	48.6	49.1	90.00	92.0	1,635.6	440.3	342.8	97.46	4.518		
8,800.0	7,223.0	8,818.5	7,223.0	51.2	51.8	90.00	92.7	1,735.6	440.3	337.5	102.75	4.285		
8,900.0	7,223.0	8,918.5	7,223.0	53.9	54.5	90.00	93.4	1,835.6	440.3	332.2	108.08	4.073		
9,000.0	7,223.0	9,018.5	7,223.0	56.5	57.1	90.00	94.2	1,935.6	440.3	326.8	113.44	3.881		
9,100.0	7,223.0	9,118.5	7,223.0	59.2	59.8	90.00	94.9	2,035.6	440.2	321.4	118.82	3.705		
9,200.0	7,223.0	9,218.5	7,223.0	61.9	62.5	90.00	95.6	2,135.6	440.2	316.0	124.22	3.544		
9,300.0	7,223.0	9,318.5	7,223.0	64.6	65.3	90.00	96.4	2,235.6	440.2	310.6	129.64	3.396		
9,400.0	7,223.0	9,418.5	7,223.0	67.3	68.0	90.00	97.1	2,335.6	440.2	305.1	135.07	3.259		
9,500.0	7,223.0	9,518.5	7,223.0	70.0	70.7	90.00	97.9	2,435.6	440.2	299.7	140.52	3.133		
9,600.0	7,223.0	9,618.5	7,223.0	72.7	73.4	90.00	98.6	2,535.6	440.2	294.2	145.98	3.015		
9,700.0	7,223.0	9,718.5	7,223.0	75.5	76.2	90.00	99.3	2,635.6	440.2	288.7	151.45	2.906		
9,800.0	7,223.0	9,818.5	7,223.0	78.2	78.9	90.00	100.1	2,735.6	440.2	283.2	156.94	2.805		
9,900.0	7,223.0	9,918.5	7,223.0	80.9	81.7	90.00	100.8	2,835.6	440.2	277.7	162.43	2.710		
10,000.0	7,223.0	10,018.5	7,223.0	83.7	84.4	90.00	101.5	2,935.6	440.2	272.2	167.93	2.621		
10,100.0	7,223.0	10,118.5	7,223.0	86.4	87.2	90.00	102.3	3,035.6	440.1	266.7	173.44	2.538		
10,200.0	7,223.0	10,218.5	7,223.0	89.2	89.9	90.00	103.0	3,135.6	440.1	261.2	178.95	2.460		
10,300.0	7,223.0	10,318.5	7,223.0	91.9	92.7	90.00	103.8	3,235.6	440.1	255.7	184.47	2.386		
10,400.0	7,223.0	10,418.5	7,223.0	94.7	95.4	90.00	104.5	3,335.5	440.1	250.1	190.00	2.316		
10,500.0	7,223.0	10,518.5	7,223.0	97.5	98.2	90.00	105.2	3,435.5	440.1	244.6	195.53	2.251		
10,600.0	7,223.0	10,618.5	7,223.0	100.2	101.0	90.00	106.0	3,535.5	440.1	239.0	201.06	2.189		
10,700.0	7,223.0	10,718.5	7,223.0	103.0	103.8	90.00	106.7	3,635.5	440.1	233.5	206.60	2.130		
10,800.0	7,223.0	10,818.5	7,223.0	105.8	106.5	90.00	107.5	3,735.5	440.1	227.9	212.14	2.074		
10,900.0	7,223.0	10,918.5	7,223.0	108.5	109.3	90.00	108.2	3,835.5	440.1	222.4	217.69	2.022		
11,000.0	7,223.0	11,018.5	7,223.0	111.3	112.1	90.00	108.9	3,935.5	440.1	216.8	223.24	1.971		
11,100.0	7,223.0	11,118.5	7,223.0	114.1	114.9	90.00	109.7	4,035.5	440.0	211.2	228.79	1.923		
11,200.0	7,223.0	11,218.5	7,223.0	116.8	117.6	90.00	110.4	4,135.5	440.0	205.7	234.35	1.878		
11,300.0	7,223.0	11,318.5	7,223.0	119.6	120.4	90.00	111.1	4,235.5	440.0	200.1	239.91	1.834		
11,400.0	7,223.0	11,418.5	7,223.0	122.4	123.2	90.00	111.9	4,335.5	440.0	194.5	245.47	1.793		
11,500.0	7,223.0	11,518.5	7,223.0	125.2	126.0	90.00	112.6	4,435.5	440.0	189.0	251.04	1.753		
11,600.0	7,223.0	11,618.5	7,223.0	128.0	128.8	90.00	113.4	4,535.5	440.0	183.4	256.60	1.715		
11,700.0	7,223.0	11,718.5	7,223.0	130.7	131.5	90.00	114.1	4,635.5	440.0	177.8	262.17	1.678		
11,800.0	7,223.0	11,818.5	7,223.0	133.5	134.3	90.00	114.8	4,735.5	440.0	172.2	267.74	1.643		
11,900.0	7,223.0	11,918.5	7,223.0	136.3	137.1	90.00	115.6	4,835.5	440.0	166.7	273.31	1.610		
12,000.0	7,223.0	12,018.5	7,223.0	139.1	139.9	90.00	116.3	4,935.5	440.0	161.1	278.89	1.578		
12,100.0	7,223.0	12,118.5	7,223.0	141.9	142.7	90.00	117.0	5,035.5	439.9	155.5	284.46	1.547		
12,200.0	7,223.0	12,218.5	7,223.0	144.7	145.5	90.00	117.8	5,135.5	439.9	149.9	290.04	1.517		
12,300.0	7,223.0	12,318.5	7,223.0	147.4	148.3	90.00	118.5	5,235.5	439.9	144.3	295.62	1.488	Level 3	
12,400.0	7,223.0	12,418.5	7,223.0	150.2	151.1	90.00	119.3	5,335.5	439.9	138.7	301.20	1.461	Level 3	
12,500.0	7,223.0	12,518.5	7,223.0	153.0	153.9	90.00	120.0	5,435.5	439.9	133.1	306.78	1.434	Level 3	
12,600.0	7,223.0	12,618.5	7,223.0	155.8	156.6	90.00	120.7	5,535.5	439.9	127.5	312.36	1.408	Level 3	
12,700.0	7,223.0	12,718.5	7,223.0	158.6	159.4	90.00	121.5	5,635.5	439.9	121.9	317.94	1.384	Level 3	
12,800.0	7,223.0	12,818.5	7,223.0	161.4	162.2	90.00	122.2	5,735.5	439.9	116.3	323.53	1.360	Level 3	
12,900.0	7,223.0	12,918.5	7,223.0	164.2	165.0	90.00	122.9	5,835.5	439.9	110.8	329.11	1.337	Level 3	
13,000.0	7,223.0	13,018.5	7,223.0	167.0	167.8	90.00	123.7	5,935.5	439.9	105.2	334.70	1.314	Level 3	
13,100.0	7,223.0	13,118.5	7,223.0	169.8	170.6	90.00	124.4	6,035.5	439.8	99.6	340.28	1.293	Level 3	
13,200.0	7,223.0	13,218.5	7,223.0	172.6	173.4	90.00	125.2	6,135.5	439.8	94.0	345.87	1.272	Level 3	
13,300.0	7,223.0	13,318.5	7,223.0	175.3	176.2	90.00	125.9	6,235.5	439.8	88.4	351.46	1.251	Level 3	
13,400.0	7,223.0	13,418.5	7,223.0	178.1	179.0	90.00	126.6	6,335.5	439.8	82.8	357.05	1.232	Level 2	
13,500.0	7,223.0	13,518.5	7,223.0	180.9	181.8	90.00	127.4	6,435.5	439.8	77.2	362.64	1.213	Level 2	
13,600.0	7,223.0	13,618.5	7,223.0	183.7	184.6	90.00	128.1	6,535.5	439.8	71.6	368.23	1.194	Level 2	
13,700.0	7,223.0	13,718.5	7,223.0	186.5	187.4	90.00	128.8	6,635.5	439.8	66.0	373.82	1.176	Level 2	
13,800.0	7,223.0	13,818.5	7,223.0	189.3	190.2	90.00	129.6	6,735.5	439.8	60.4	379.42	1.159	Level 2	

Company:	Synergy Resources	Local Co-ordinate Reference:	Well SRC Wiedeman 21-5-3NBHZ
Project:	Sec.5-T5N-R66W	TVD Reference:	WELL @ 4796.0ft (RKB - 13')
Reference Site:	SRC Wiedeman Pad Sec.5-T5N-R66W	MD Reference:	WELL @ 4796.0ft (RKB - 13')
Site Error:	0.0ft	North Reference:	True
Reference Well:	SRC Wiedeman 21-5-3NBHZ	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 (9-24-14)	Offset TVD Reference:	Offset Datum

Offset Design SRC Wiedeman Pad Sec.5-T5N-R66W - SRC Wiedeman A-5-3NBHZ - Wellbore #1 - Plan #3 (9-24-14)													Offset Site Error:	0.0 ft
Survey Program: 0-MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
13,900.0	7,223.0	13,918.5	7,223.0	192.1	193.0	90.00	130.3	6,835.5	439.8	54.7	385.01	1.142	Level 2	
14,000.0	7,223.0	14,018.5	7,223.0	194.9	195.8	90.00	131.1	6,935.5	439.7	49.1	390.60	1.126	Level 2	
14,100.0	7,223.0	14,118.5	7,223.0	197.7	198.6	90.00	131.8	7,035.4	439.7	43.5	396.20	1.110	Level 2	
14,200.0	7,223.0	14,218.5	7,223.0	200.5	201.4	90.00	132.5	7,135.4	439.7	37.9	401.79	1.094	Level 2	
14,300.0	7,223.0	14,318.5	7,223.0	203.3	204.2	90.00	133.3	7,235.4	439.7	32.3	407.39	1.079	Level 2	
14,400.0	7,223.0	14,418.5	7,223.0	206.1	207.0	90.00	134.0	7,335.4	439.7	26.7	412.98	1.065	Level 2	
14,500.0	7,223.0	14,518.5	7,223.0	208.9	209.8	90.00	134.7	7,435.4	439.7	21.1	418.58	1.050	Level 2	
14,600.0	7,223.0	14,618.5	7,223.0	211.7	212.6	90.00	135.5	7,535.4	439.7	15.5	424.18	1.037	Level 2	
14,700.0	7,223.0	14,718.5	7,223.0	214.5	215.4	90.00	136.2	7,635.4	439.7	9.9	429.78	1.023	Level 2	
14,800.0	7,223.0	14,818.5	7,223.0	217.3	218.2	90.00	137.0	7,735.4	439.7	4.3	435.37	1.010	Level 2	
14,900.0	7,223.0	14,918.5	7,223.0	220.1	221.0	90.00	137.7	7,835.4	439.7	-1.3	440.97	0.997	Level 1	
15,000.0	7,223.0	15,018.5	7,223.0	222.9	223.8	90.00	138.4	7,935.4	439.6	-6.9	446.57	0.985	Level 1	
15,100.0	7,223.0	15,118.5	7,223.0	225.7	226.6	90.00	139.2	8,035.4	439.6	-12.5	452.17	0.972	Level 1	
15,200.0	7,223.0	15,218.5	7,223.0	228.5	229.4	90.00	139.9	8,135.4	439.6	-18.1	457.77	0.960	Level 1	
15,300.0	7,223.0	15,318.5	7,223.0	231.3	232.2	90.00	140.6	8,235.4	439.6	-23.8	463.37	0.949	Level 1	
15,400.0	7,223.0	15,418.5	7,223.0	234.1	235.0	90.00	141.4	8,335.4	439.6	-29.4	468.97	0.937	Level 1	
15,500.0	7,223.0	15,518.5	7,223.0	236.9	237.8	90.00	142.1	8,435.4	439.6	-35.0	474.57	0.926	Level 1	
15,600.0	7,223.0	15,618.5	7,223.0	239.7	240.6	90.00	142.9	8,535.4	439.6	-40.6	480.17	0.915	Level 1	
15,700.0	7,223.0	15,718.5	7,223.0	242.5	243.4	90.00	143.6	8,635.4	439.6	-46.2	485.77	0.905	Level 1	
15,800.0	7,223.0	15,818.5	7,223.0	245.3	246.2	90.00	144.3	8,735.4	439.6	-51.8	491.37	0.895	Level 1	
15,900.0	7,223.0	15,918.5	7,223.0	248.1	249.0	90.00	145.1	8,835.4	439.6	-57.4	496.97	0.884	Level 1	
16,000.0	7,223.0	16,018.5	7,223.0	250.9	251.8	90.00	145.8	8,935.4	439.5	-63.0	502.58	0.875	Level 1	
16,100.0	7,223.0	16,118.5	7,223.0	253.7	254.6	90.00	146.5	9,035.4	439.5	-68.6	508.18	0.865	Level 1	
16,200.0	7,223.0	16,218.5	7,223.0	256.5	257.4	90.00	147.3	9,135.4	439.5	-74.3	513.78	0.855	Level 1	
16,300.0	7,223.0	16,318.5	7,223.0	259.3	260.2	90.00	148.0	9,235.4	439.5	-79.9	519.38	0.846	Level 1	
16,400.0	7,223.0	16,418.5	7,223.0	262.1	263.0	90.00	148.8	9,335.4	439.5	-85.5	524.99	0.837	Level 1	
16,500.0	7,223.0	16,518.5	7,223.0	264.9	265.8	90.00	149.5	9,435.4	439.5	-91.1	530.59	0.828	Level 1	
16,600.0	7,223.0	16,618.5	7,223.0	267.7	268.6	90.00	150.2	9,535.4	439.5	-96.7	536.19	0.820	Level 1	
16,700.0	7,223.0	16,718.5	7,223.0	270.5	271.4	90.00	151.0	9,635.4	439.5	-102.3	541.80	0.811	Level 1	
16,800.0	7,223.0	16,818.5	7,223.0	273.3	274.2	90.00	151.7	9,735.4	439.5	-107.9	547.40	0.803	Level 1	
16,900.0	7,223.0	16,918.5	7,223.0	276.1	277.0	90.00	152.5	9,835.4	439.5	-113.5	553.01	0.795	Level 1	
17,000.0	7,223.0	17,018.5	7,223.0	278.9	279.8	90.00	153.2	9,935.4	439.4	-119.2	558.61	0.787	Level 1	
17,002.1	7,223.0	17,020.6	7,223.0	278.9	279.8	90.00	153.2	9,937.4	439.4	-119.3	558.73	0.787	Level 1, ES, SF	
17,044.9	7,223.0	17,020.6	7,223.0	280.1	279.8	90.00	153.2	9,937.4	441.5	-118.4	559.93	0.789	Level 1	

Company:	Synergy Resources	Local Co-ordinate Reference:	Well SRC Wiedeman 21-5-3NBHZ
Project:	Sec.5-T5N-R66W	TVD Reference:	WELL @ 4796.0ft (RKB - 13')
Reference Site:	SRC Wiedeman Pad Sec.5-T5N-R66W	MD Reference:	WELL @ 4796.0ft (RKB - 13')
Site Error:	0.0ft	North Reference:	True
Reference Well:	SRC Wiedeman 21-5-3NBHZ	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 (9-24-14)	Offset TVD Reference:	Offset Datum

Reference Depths are relative to WELL @ 4796.0ft (RKB - 13')

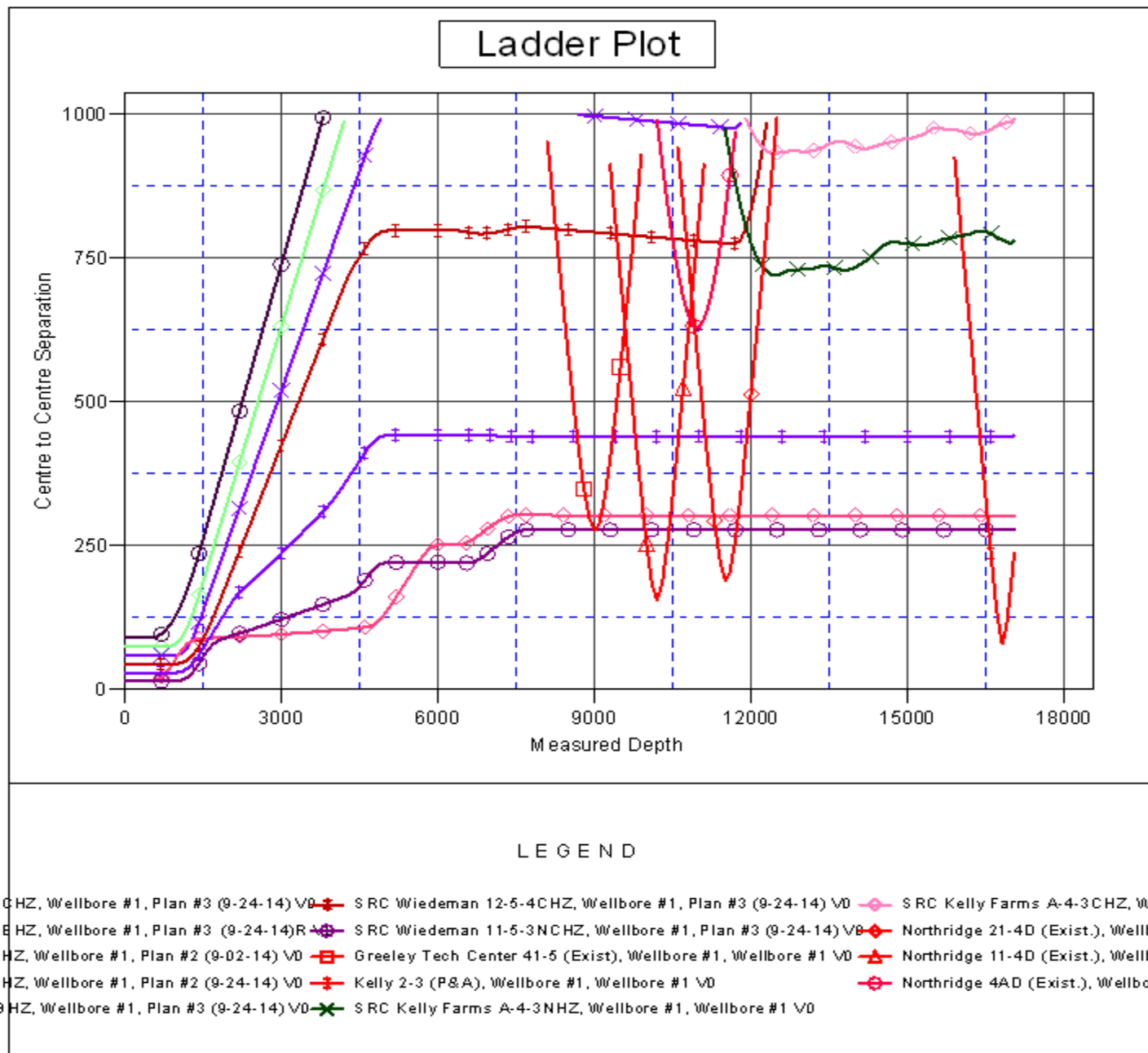
Offset Depths are relative to Offset Datum

Central Meridian is -105.500000 °

Coordinates are relative to: SRC Wiedeman 21-5-3NBHZ

Coordinate System is US State Plane 1983, Colorado Northern Zone

Grid Convergence at Surface is: 0.45°



Company: Synergy Resources
Project: Sec.5-T5N-R66W
Reference Site: SRC Wiedeman Pad Sec.5-T5N-R66W
Site Error: 0.0ft
Reference Well: SRC Wiedeman 21-5-3NBHZ
Well Error: 0.0ft
Reference Wellbore: Wellbore #1
Reference Design: Plan #3 (9-24-14)

Local Co-ordinate Reference: Well SRC Wiedeman 21-5-3NBHZ
TVD Reference: WELL @ 4796.0ft (RKB - 13')
MD Reference: WELL @ 4796.0ft (RKB - 13')
North Reference: True
Survey Calculation Method: Minimum Curvature
Output errors are at 2.00 sigma
Database: Landmark
Offset TVD Reference: Offset Datum

Reference Depths are relative to WELL @ 4796.0ft (RKB - 13')

Offset Depths are relative to Offset Datum

Central Meridian is -105.500000 °

Coordinates are relative to: SRC Wiedeman 21-5-3NBHZ

Coordinate System is US State Plane 1983, Colorado Northern Zone

Grid Convergence at Surface is: 0.45°

