

Synergy Resources

Well Name: **SRC Leffler 23-26NHZ**

Surface Location: SRC Leffler 14-26NHZ Pad Sec.26-T7N-R66W
North American Datum 1983 , US State Plane 1983 , Colorado Northern Zone

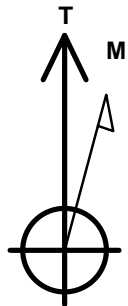
Ground Elevation: 4900.0

+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
0.0	0.0	1445116.23	3208253.78	40.552828	-104.750560	

RKB-12' WELL @ 4912.0ft (RKB-12')

WELLBORE TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Shape Point
SHL 210'FNL & 1031'FWL	1.0	0.0	0.0	Point
BHL 460'FSL & 1630'FWL	7231.0	-4636.4	625.1	Point



Azimuths to True North
Magnetic North: 8.58°

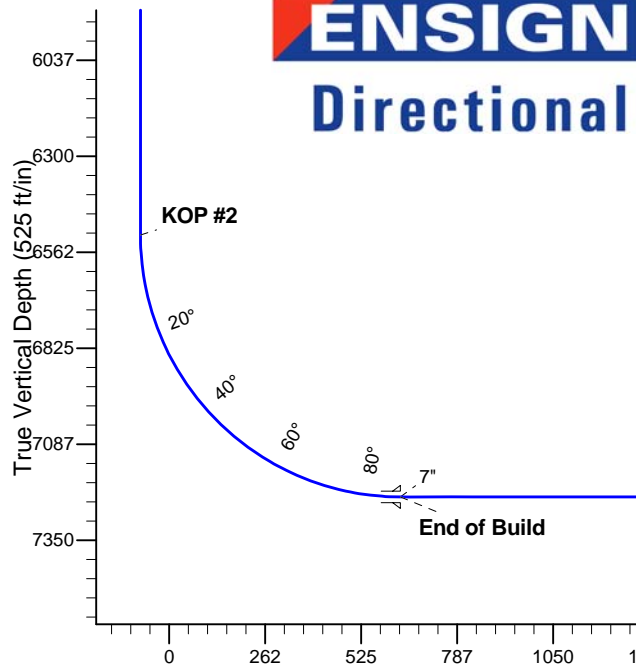
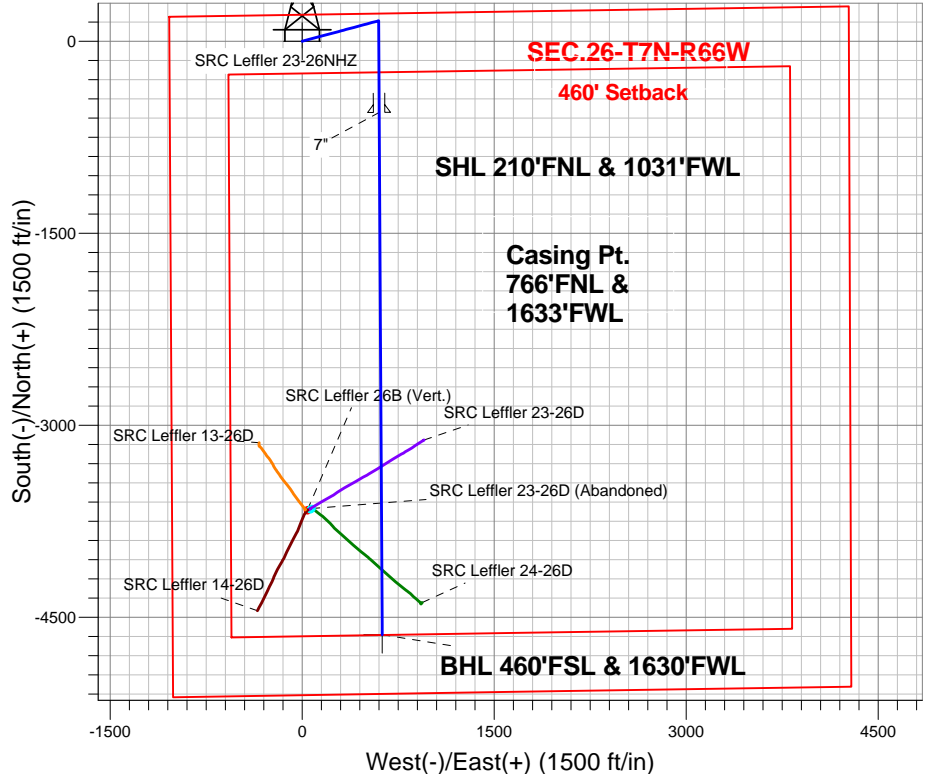
Magnetic Field
Strength: 52985.7snT
Dip Angle: 67.10°
Date: 8/8/2013
Model: IGRF2010

SRC Leffler 14-26NHZ Pad Sec.26-T7N-R66W
SRC Leffler 23-26NHZ
Plan #2 (8-08-13)
14:03, August 14 2013

ANNOTATIONS

TVD	MD	Annotation
1200.0	1200.0	KOP #1
6514.8	6575.8	KOP #2
7231.0	7700.8	End of Build

South(-)/North(+) (1500 ft/in)



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	1200.0	0.00	0.00	1200.0	0.0	0.0	0.00	0.00	0.0	
3	1803.7	12.07	75.02	1799.2	16.4	61.2	2.00	75.02	-8.1	
4	4157.3	12.07	75.02	4100.8	143.6	536.8	0.00	0.00	-70.6	
5	4761.0	0.00	0.00	4700.0	160.0	598.0	2.00	180.00	-78.7	
6	6575.8	0.00	0.00	6514.8	160.0	598.0	0.00	0.00	-78.7	
7	7700.8	90.00	179.68	7231.0	-556.2	602.0	8.00	179.68	631.6	
8	11781.0	90.00	179.68	7231.0	-4636.4	625.1	0.00	0.00	4678.3	BHL 460'FSL & 1630'FWL

BHL 460'FSL & 1630'FWL

Vertical Section at 172.32° (525 ft/in)



Synergy Resources

SEC.26-T7N-R66W

SRC Leffler 14-26NHZ Pad Sec.26-T7N-R66W

SRC Leffler 23-26NHZ

Wellbore #1

Plan: Plan #2 (8-08-13)

Standard Planning Report

14 August, 2013

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	
1,200.0	0.00	0.00	1,200.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,803.7	12.07	75.02	1,799.2	16.4	61.2	2.00	2.00	0.00	75.02	
4,157.3	12.07	75.02	4,100.8	143.6	536.8	0.00	0.00	0.00	0.00	
4,761.0	0.00	0.00	4,700.0	160.0	598.0	2.00	-2.00	0.00	180.00	
6,575.8	0.00	0.00	6,514.8	160.0	598.0	0.00	0.00	0.00	0.00	
7,700.8	90.00	179.68	7,231.0	-556.2	602.0	8.00	8.00	0.00	179.68	
11,781.0	90.00	179.68	7,231.0	-4,636.4	625.1	0.00	0.00	0.00	0.00	BHL 460'FSL & 163

Database:	Landmark	Local Co-ordinate Reference:	Well SRC Leffler 23-26NHZ
Company:	Synergy Resources	TVD Reference:	WELL @ 4912.0ft (RKB-12')
Project:	SEC.26-T7N-R66W	MD Reference:	WELL @ 4912.0ft (RKB-12')
Site:	SRC Leffler 14-26NHZ Pad	North Reference:	True
	Sec.26-T7N-R66W		
Well:	SRC Leffler 23-26NHZ	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan #2 (8-08-13)		

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 210'FNL & 1031'FWL									
100.0	0.00	0.00	100.0	0.0	0.0	0.0	0.00	0.00	0.00
200.0	0.00	0.00	200.0	0.0	0.0	0.0	0.00	0.00	0.00
300.0	0.00	0.00	300.0	0.0	0.0	0.0	0.00	0.00	0.00
400.0	0.00	0.00	400.0	0.0	0.0	0.0	0.00	0.00	0.00
500.0	0.00	0.00	500.0	0.0	0.0	0.0	0.00	0.00	0.00
600.0	0.00	0.00	600.0	0.0	0.0	0.0	0.00	0.00	0.00
700.0	0.00	0.00	700.0	0.0	0.0	0.0	0.00	0.00	0.00
800.0	0.00	0.00	800.0	0.0	0.0	0.0	0.00	0.00	0.00
900.0	0.00	0.00	900.0	0.0	0.0	0.0	0.00	0.00	0.00
1,000.0	0.00	0.00	1,000.0	0.0	0.0	0.0	0.00	0.00	0.00
1,100.0	0.00	0.00	1,100.0	0.0	0.0	0.0	0.00	0.00	0.00
1,200.0	0.00	0.00	1,200.0	0.0	0.0	0.0	0.00	0.00	0.00
KOP #1									
1,300.0	2.00	75.02	1,300.0	0.5	1.7	-0.2	2.00	2.00	0.00
1,400.0	4.00	75.02	1,399.8	1.8	6.7	-0.9	2.00	2.00	0.00
1,500.0	6.00	75.02	1,499.5	4.1	15.2	-2.0	2.00	2.00	0.00
1,600.0	8.00	75.02	1,598.7	7.2	26.9	-3.5	2.00	2.00	0.00
1,700.0	10.00	75.02	1,697.5	11.2	42.0	-5.5	2.00	2.00	0.00
1,800.0	12.00	75.02	1,795.6	16.2	60.5	-8.0	2.00	2.00	0.00
1,803.7	12.07	75.02	1,799.2	16.4	61.2	-8.1	2.00	2.00	0.00
1,900.0	12.07	75.02	1,893.4	21.6	80.7	-10.6	0.00	0.00	0.00
2,000.0	12.07	75.02	1,991.2	27.0	100.9	-13.3	0.00	0.00	0.00
2,100.0	12.07	75.02	2,089.0	32.4	121.1	-15.9	0.00	0.00	0.00
2,200.0	12.07	75.02	2,186.8	37.8	141.3	-18.6	0.00	0.00	0.00
2,300.0	12.07	75.02	2,284.6	43.2	161.5	-21.2	0.00	0.00	0.00
2,400.0	12.07	75.02	2,382.4	48.6	181.7	-23.9	0.00	0.00	0.00
2,500.0	12.07	75.02	2,480.1	54.0	201.9	-26.6	0.00	0.00	0.00
2,600.0	12.07	75.02	2,577.9	59.4	222.1	-29.2	0.00	0.00	0.00
2,700.0	12.07	75.02	2,675.7	64.8	242.3	-31.9	0.00	0.00	0.00
2,800.0	12.07	75.02	2,773.5	70.2	262.5	-34.5	0.00	0.00	0.00
2,900.0	12.07	75.02	2,871.3	75.6	282.7	-37.2	0.00	0.00	0.00
3,000.0	12.07	75.02	2,969.1	81.1	302.9	-39.9	0.00	0.00	0.00
3,100.0	12.07	75.02	3,066.9	86.5	323.1	-42.5	0.00	0.00	0.00
3,200.0	12.07	75.02	3,164.7	91.9	343.4	-45.2	0.00	0.00	0.00
3,300.0	12.07	75.02	3,262.4	97.3	363.6	-47.8	0.00	0.00	0.00
3,400.0	12.07	75.02	3,360.2	102.7	383.8	-50.5	0.00	0.00	0.00
3,500.0	12.07	75.02	3,458.0	108.1	404.0	-53.1	0.00	0.00	0.00
3,600.0	12.07	75.02	3,555.8	113.5	424.2	-55.8	0.00	0.00	0.00
3,700.0	12.07	75.02	3,653.6	118.9	444.4	-58.5	0.00	0.00	0.00
3,800.0	12.07	75.02	3,751.4	124.3	464.6	-61.1	0.00	0.00	0.00
3,900.0	12.07	75.02	3,849.2	129.7	484.8	-63.8	0.00	0.00	0.00
4,000.0	12.07	75.02	3,947.0	135.1	505.0	-66.4	0.00	0.00	0.00
4,100.0	12.07	75.02	4,044.7	140.5	525.2	-69.1	0.00	0.00	0.00
4,157.3	12.07	75.02	4,100.8	143.6	536.8	-70.6	0.00	0.00	0.00
4,200.0	11.22	75.02	4,142.6	145.8	545.1	-71.7	2.00	-2.00	0.00
4,300.0	9.22	75.02	4,241.0	150.4	562.2	-74.0	2.00	-2.00	0.00
4,400.0	7.22	75.02	4,340.0	154.1	576.1	-75.8	2.00	-2.00	0.00
4,500.0	5.22	75.02	4,439.4	156.9	586.5	-77.2	2.00	-2.00	0.00
4,600.0	3.22	75.02	4,539.1	158.8	593.6	-78.1	2.00	-2.00	0.00
4,700.0	1.22	75.02	4,639.0	159.8	597.4	-78.6	2.00	-2.00	0.00

Database:	Landmark	Local Co-ordinate Reference:	Well SRC Leffler 23-26NHZ
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Project:	SEC.26-T7N-R66W	MD Reference:	WELL @ 4912.0ft (RKB-12')
Site:	SRC Leffler 14-26NHZ Pad	North Reference:	True
	Sec.26-T7N-R66W		
Well:	SRC Leffler 23-26NHZ	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan #2 (8-08-13)		

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)
4,761.0	0.00	0.00	4,700.0	160.0	598.0	-78.7	2.00	-2.00	0.00
4,800.0	0.00	0.00	4,739.0	160.0	598.0	-78.7	0.00	0.00	0.00
4,900.0	0.00	0.00	4,839.0	160.0	598.0	-78.7	0.00	0.00	0.00
5,000.0	0.00	0.00	4,939.0	160.0	598.0	-78.7	0.00	0.00	0.00
5,100.0	0.00	0.00	5,039.0	160.0	598.0	-78.7	0.00	0.00	0.00
5,200.0	0.00	0.00	5,139.0	160.0	598.0	-78.7	0.00	0.00	0.00
5,300.0	0.00	0.00	5,239.0	160.0	598.0	-78.7	0.00	0.00	0.00
5,400.0	0.00	0.00	5,339.0	160.0	598.0	-78.7	0.00	0.00	0.00
5,500.0	0.00	0.00	5,439.0	160.0	598.0	-78.7	0.00	0.00	0.00
5,600.0	0.00	0.00	5,539.0	160.0	598.0	-78.7	0.00	0.00	0.00
5,700.0	0.00	0.00	5,639.0	160.0	598.0	-78.7	0.00	0.00	0.00
5,800.0	0.00	0.00	5,739.0	160.0	598.0	-78.7	0.00	0.00	0.00
5,900.0	0.00	0.00	5,839.0	160.0	598.0	-78.7	0.00	0.00	0.00
6,000.0	0.00	0.00	5,939.0	160.0	598.0	-78.7	0.00	0.00	0.00
6,100.0	0.00	0.00	6,039.0	160.0	598.0	-78.7	0.00	0.00	0.00
6,200.0	0.00	0.00	6,139.0	160.0	598.0	-78.7	0.00	0.00	0.00
6,300.0	0.00	0.00	6,239.0	160.0	598.0	-78.7	0.00	0.00	0.00
6,400.0	0.00	0.00	6,339.0	160.0	598.0	-78.7	0.00	0.00	0.00
6,500.0	0.00	0.00	6,439.0	160.0	598.0	-78.7	0.00	0.00	0.00
6,575.8	0.00	0.00	6,514.8	160.0	598.0	-78.7	0.00	0.00	0.00
KOP #2									
6,600.0	1.94	179.68	6,539.0	159.6	598.0	-78.3	8.01	8.01	0.00
6,700.0	9.94	179.68	6,638.4	149.3	598.1	-68.0	8.00	8.00	0.00
6,800.0	17.94	179.68	6,735.4	125.2	598.2	-44.1	8.00	8.00	0.00
6,900.0	25.94	179.68	6,828.1	87.9	598.4	-7.1	8.00	8.00	0.00
7,000.0	33.94	179.68	6,914.6	38.0	598.7	42.3	8.00	8.00	0.00
7,100.0	41.94	179.68	6,993.5	-23.4	599.0	103.3	8.00	8.00	0.00
7,200.0	49.94	179.68	7,062.9	-95.2	599.4	174.5	8.00	8.00	0.00
7,300.0	57.94	179.68	7,121.8	-176.0	599.9	254.6	8.00	8.00	0.00
7,400.0	65.94	179.68	7,168.8	-264.2	600.4	342.0	8.00	8.00	0.00
7,500.0	73.94	179.68	7,203.0	-358.0	600.9	435.1	8.00	8.00	0.00
7,600.0	81.94	179.68	7,223.9	-455.7	601.5	532.0	8.00	8.00	0.00
7,700.0	89.94	179.68	7,231.0	-555.4	602.0	630.9	8.00	8.00	0.00
7,700.8	90.00	179.68	7,231.0	-556.2	602.0	631.7	7.80	7.80	0.00
End of Build - 7"									
7,800.0	90.00	179.68	7,231.0	-655.4	602.6	730.0	0.00	0.00	0.00
7,900.0	90.00	179.68	7,231.0	-755.4	603.2	829.2	0.00	0.00	0.00
8,000.0	90.00	179.68	7,231.0	-855.4	603.7	928.4	0.00	0.00	0.00
8,100.0	90.00	179.68	7,231.0	-955.4	604.3	1,027.6	0.00	0.00	0.00
8,200.0	90.00	179.68	7,231.0	-1,055.4	604.9	1,126.8	0.00	0.00	0.00
8,300.0	90.00	179.68	7,231.0	-1,155.4	605.4	1,225.9	0.00	0.00	0.00
8,400.0	90.00	179.68	7,231.0	-1,255.4	606.0	1,325.1	0.00	0.00	0.00
8,500.0	90.00	179.68	7,231.0	-1,355.4	606.6	1,424.3	0.00	0.00	0.00
8,600.0	90.00	179.68	7,231.0	-1,455.4	607.1	1,523.5	0.00	0.00	0.00
8,700.0	90.00	179.68	7,231.0	-1,555.4	607.7	1,622.6	0.00	0.00	0.00
8,800.0	90.00	179.68	7,231.0	-1,655.4	608.3	1,721.8	0.00	0.00	0.00
8,900.0	90.00	179.68	7,231.0	-1,755.4	608.8	1,821.0	0.00	0.00	0.00
9,000.0	90.00	179.68	7,231.0	-1,855.4	609.4	1,920.2	0.00	0.00	0.00
9,100.0	90.00	179.68	7,231.0	-1,955.4	609.9	2,019.3	0.00	0.00	0.00
9,200.0	90.00	179.68	7,231.0	-2,055.4	610.5	2,118.5	0.00	0.00	0.00
9,300.0	90.00	179.68	7,231.0	-2,155.4	611.1	2,217.7	0.00	0.00	0.00
9,400.0	90.00	179.68	7,231.0	-2,255.4	611.6	2,316.9	0.00	0.00	0.00
9,500.0	90.00	179.68	7,231.0	-2,355.4	612.2	2,416.1	0.00	0.00	0.00

Database:	Landmark	Local Co-ordinate Reference:	Well SRC Leffler 23-26NHZ
Company:	Synergy Resources	TVD Reference:	WELL @ 4912.0ft (RKB-12')
Project:	SEC.26-T7N-R66W	MD Reference:	WELL @ 4912.0ft (RKB-12')
Site:	SRC Leffler 14-26NHZ Pad	North Reference:	True
	Sec.26-T7N-R66W		
Well:	SRC Leffler 23-26NHZ	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan #2 (8-08-13)		

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)
9,600.0	90.00	179.68	7,231.0	-2,455.4	612.8	2,515.2	0.00	0.00	0.00
9,700.0	90.00	179.68	7,231.0	-2,555.4	613.3	2,614.4	0.00	0.00	0.00
9,800.0	90.00	179.68	7,231.0	-2,655.4	613.9	2,713.6	0.00	0.00	0.00
9,900.0	90.00	179.68	7,231.0	-2,755.4	614.5	2,812.8	0.00	0.00	0.00
10,000.0	90.00	179.68	7,231.0	-2,855.4	615.0	2,911.9	0.00	0.00	0.00
10,100.0	90.00	179.68	7,231.0	-2,955.4	615.6	3,011.1	0.00	0.00	0.00
10,200.0	90.00	179.68	7,231.0	-3,055.4	616.2	3,110.3	0.00	0.00	0.00
10,300.0	90.00	179.68	7,231.0	-3,155.4	616.7	3,209.5	0.00	0.00	0.00
10,400.0	90.00	179.68	7,231.0	-3,255.4	617.3	3,308.7	0.00	0.00	0.00
10,500.0	90.00	179.68	7,231.0	-3,355.4	617.9	3,407.8	0.00	0.00	0.00
10,600.0	90.00	179.68	7,231.0	-3,455.4	618.4	3,507.0	0.00	0.00	0.00
10,700.0	90.00	179.68	7,231.0	-3,555.4	619.0	3,606.2	0.00	0.00	0.00
10,800.0	90.00	179.68	7,231.0	-3,655.4	619.6	3,705.4	0.00	0.00	0.00
10,900.0	90.00	179.68	7,231.0	-3,755.4	620.1	3,804.5	0.00	0.00	0.00
11,000.0	90.00	179.68	7,231.0	-3,855.4	620.7	3,903.7	0.00	0.00	0.00
11,100.0	90.00	179.68	7,231.0	-3,955.4	621.2	4,002.9	0.00	0.00	0.00
11,200.0	90.00	179.68	7,231.0	-4,055.4	621.8	4,102.1	0.00	0.00	0.00
11,300.0	90.00	179.68	7,231.0	-4,155.3	622.4	4,201.2	0.00	0.00	0.00
11,400.0	90.00	179.68	7,231.0	-4,255.3	622.9	4,300.4	0.00	0.00	0.00
11,500.0	90.00	179.68	7,231.0	-4,355.3	623.5	4,399.6	0.00	0.00	0.00
11,600.0	90.00	179.68	7,231.0	-4,455.3	624.1	4,498.8	0.00	0.00	0.00
11,700.0	90.00	179.68	7,231.0	-4,555.3	624.6	4,598.0	0.00	0.00	0.00
11,781.0	90.00	179.68	7,231.0	-4,636.4	625.1	4,678.3	0.00	0.00	0.00
BHL 460'FSL & 1630'FWL									

Casing Points

Measured Depth (ft)	Vertical Depth (ft)	Name	Casing Diameter (")	Hole Diameter (")
7,700.8	7,231.0	7"	7	7-1/2

Plan Annotations

Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates		Comment
		+N/-S (ft)	+E/-W (ft)	
1,200.0	1,200.0	0.0	0.0	KOP #1
6,575.8	6,514.8	160.0	598.0	KOP #2
7,700.8	7,231.0	-556.2	602.0	End of Build



Synergy Resources

SEC.26-T7N-R66W

SRC Leffler 14-26NHZ Pad Sec.26-T7N-R66W

SRC Leffler 23-26NHZ

Wellbore #1

Plan #2 (8-08-13)

Anticollision Report

14 August, 2013

Company:	Synergy Resources	Local Co-ordinate Reference:	Well SRC Leffler 23-26NHZ
Project:	SEC.26-T7N-R66W	TVD Reference:	WELL @ 4912.0ft (RKB-12')
Reference Site:	SRC Leffler 14-26NHZ Pad Sec.26-T7N-R66W	MD Reference:	WELL @ 4912.0ft (RKB-12')
Site Error:	0.0ft	North Reference:	True
Reference Well:	SRC Leffler 23-26NHZ	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	Landmark
Reference Design:	Plan #2 (8-08-13)	Offset TVD Reference:	Offset Datum

Offset Design												Offset Site Error:	0.0 ft
Survey Program: 88-MWD												Offset Well Error:	0.0 ft
Reference													
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
10,400.0	7,231.0	7,168.0	7,138.2	65.6	18.3	86.15	-3,167.8	-330.5	954.0	871.9	82.10	11.620	
10,500.0	7,231.0	7,163.1	7,133.3	67.5	18.3	85.85	-3,168.0	-330.2	968.8	884.9	83.92	11.545 SF	
10,600.0	7,231.0	7,158.7	7,129.0	69.3	18.3	85.59	-3,168.2	-329.9	993.5	907.8	85.75	11.587	

Company:	Synergy Resources	Local Co-ordinate Reference:	Well SRC Leffler 23-26NHZ
Project:	SEC.26-T7N-R66W	TVD Reference:	WELL @ 4912.0ft (RKB-12')
Reference Site:	SRC Leffler 14-26NHZ Pad Sec.26-T7N-R66W	MD Reference:	WELL @ 4912.0ft (RKB-12')
Site Error:	0.0ft	North Reference:	True
Reference Well:	SRC Leffler 23-26NHZ	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	Landmark
Reference Design:	Plan #2 (8-08-13)	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.0 ft
Survey Program: 88-MWD													Offset Well Error:	0.0 ft
SRC Leffler 13-26D Pad Sec.26-T7N-R66W - SRC Leffler 14-26D - Wellbore #1 - Wellbore #1														
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	
11,300.0	7,231.0	7,181.0	7,128.7	82.4	20.9	85.52	-4,403.9	-325.3	982.6	881.1	101.49	9.682		
11,400.0	7,231.0	7,190.7	7,138.4	84.3	20.9	86.11	-4,405.0	-325.8	962.7	859.2	103.48	9.303		
11,500.0	7,231.0	7,200.7	7,148.3	86.2	21.0	86.70	-4,406.1	-326.3	952.7	847.3	105.47	9.033		
11,545.9	7,231.0	7,205.3	7,152.9	87.0	21.0	86.98	-4,406.7	-326.5	951.7	845.3	106.38	8.946 CC, ES		
11,600.0	7,231.0	7,210.8	7,158.3	88.0	21.0	87.31	-4,407.3	-326.8	953.2	845.7	107.45	8.870		
11,700.0	7,231.0	7,221.1	7,168.6	89.9	21.0	87.93	-4,408.5	-327.4	963.9	854.5	109.43	8.808 SF		
11,781.0	7,231.0	7,230.0	7,177.3	91.5	21.0	88.46	-4,409.5	-327.9	979.9	868.9	111.04	8.825		

Company:	Synergy Resources	Local Co-ordinate Reference:	Well SRC Leffler 23-26NHZ
Project:	SEC.26-T7N-R66W	TVD Reference:	WELL @ 4912.0ft (RKB-12')
Reference Site:	SRC Leffler 14-26NHZ Pad Sec.26-T7N-R66W	MD Reference:	WELL @ 4912.0ft (RKB-12')
Site Error:	0.0ft	North Reference:	True
Reference Well:	SRC Leffler 23-26NHZ	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	Landmark
Reference Design:	Plan #2 (8-08-13)	Offset TVD Reference:	Offset Datum

Offset Design										SRC Leffler 13-26D Pad Sec.26-T7N-R66W - SRC Leffler 23-26D - Wellbore #1 - Wellbore #1				Offset Site Error:		0.0 ft	
Survey Program: 91-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)						
9,400.0	7,231.0	7,301.5	7,210.0	47.4	24.0	-91.20	-3,116.9	949.5	925.4	860.1	65.31	14.170					
9,500.0	7,231.0	7,300.1	7,208.6	49.2	24.0	-90.96	-3,116.9	949.5	832.9	765.8	67.14	12.406					
9,600.0	7,231.0	7,298.7	7,207.1	51.0	24.0	-90.71	-3,116.9	949.5	742.3	673.3	68.98	10.762					
9,700.0	7,231.0	7,297.2	7,205.7	52.8	24.0	-90.46	-3,117.0	949.4	654.5	583.7	70.82	9.241					
9,800.0	7,231.0	7,295.7	7,204.2	54.6	24.0	-90.20	-3,117.0	949.4	570.7	498.0	72.67	7.852					
9,900.0	7,231.0	7,294.2	7,202.6	56.4	24.0	-89.94	-3,117.0	949.4	492.9	418.4	74.53	6.613					
10,000.0	7,231.0	7,292.6	7,201.1	58.3	24.0	-89.66	-3,117.0	949.4	424.6	348.2	76.39	5.558					
10,100.0	7,231.0	7,291.0	7,199.4	60.1	24.0	-89.39	-3,117.0	949.3	370.9	292.6	78.26	4.739					
10,200.0	7,231.0	7,289.3	7,197.8	61.9	24.0	-89.10	-3,117.1	949.3	338.8	258.7	80.12	4.229					
10,263.6	7,231.0	7,288.3	7,196.7	63.1	24.0	-88.92	-3,117.1	949.3	332.8	251.5	81.31	4.093 CC, ES					
10,300.0	7,231.0	7,287.7	7,196.1	63.8	24.0	-88.81	-3,117.1	949.3	334.8	252.8	81.99	4.083 SF					
10,400.0	7,231.0	7,285.9	7,194.4	65.6	24.0	-88.52	-3,117.1	949.2	359.7	275.8	83.87	4.289					
10,500.0	7,231.0	7,284.2	7,192.6	67.5	24.0	-88.21	-3,117.2	949.2	408.2	322.5	85.74	4.761					
10,600.0	7,231.0	7,282.3	7,190.8	69.3	24.0	-87.90	-3,117.2	949.2	473.2	385.6	87.61	5.401					
10,700.0	7,231.0	7,280.5	7,188.9	71.2	24.0	-87.58	-3,117.2	949.1	548.8	459.3	89.49	6.133					
10,800.0	7,231.0	7,278.6	7,187.0	73.0	24.0	-87.25	-3,117.2	949.1	631.2	539.8	91.36	6.909					
10,900.0	7,231.0	7,276.6	7,185.1	74.9	24.0	-86.91	-3,117.3	949.1	718.1	624.9	93.23	7.702					
11,000.0	7,231.0	7,274.6	7,183.0	76.8	24.0	-86.57	-3,117.3	949.0	808.0	712.9	95.10	8.497					
11,100.0	7,231.0	7,272.5	7,181.0	78.7	24.0	-86.21	-3,117.4	949.0	900.1	803.1	96.97	9.282					
11,200.0	7,231.0	7,270.4	7,178.9	80.5	24.0	-85.85	-3,117.4	948.9	993.7	894.8	98.83	10.054					

Company:	Synergy Resources	Local Co-ordinate Reference:	Well SRC Leffler 23-26NHZ
Project:	SEC.26-T7N-R66W	TVD Reference:	WELL @ 4912.0ft (RKB-12')
Reference Site:	SRC Leffler 14-26NHZ Pad Sec.26-T7N-R66W	MD Reference:	WELL @ 4912.0ft (RKB-12')
Site Error:	0.0ft	North Reference:	True
Reference Well:	SRC Leffler 23-26NHZ	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	Landmark
Reference Design:	Plan #2 (8-08-13)	Offset TVD Reference:	Offset Datum

Offset Design												Offset Site Error:	0.0 ft
Survey Program: 548-MWD												Offset Well Error:	0.0 ft
SRC Leffler 13-26D Pad Sec.26-T7N-R66W - SRC Leffler 24-26D - Wellbore #1 - Wellbore #1													
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	7,231.0	7,337.3	7,214.1	69.3	25.1	-91.87	-4,392.7	932.1	988.5	899.3	89.21	11.081	
10,700.0	7,231.0	7,335.6	7,212.4	71.2	25.1	-91.55	-4,392.7	932.1	894.0	802.9	91.11	9.812	
10,800.0	7,231.0	7,333.9	7,210.7	73.0	25.1	-91.24	-4,392.8	932.1	800.9	707.9	93.02	8.610	
10,900.0	7,231.0	7,332.2	7,209.0	74.9	25.1	-90.93	-4,392.8	932.0	709.7	614.7	94.92	7.476	
11,000.0	7,231.0	7,330.6	7,207.4	76.8	25.1	-90.63	-4,392.8	932.0	621.1	524.3	96.82	6.415	
11,100.0	7,231.0	7,329.0	7,205.8	78.7	25.1	-90.33	-4,392.8	932.0	536.6	437.9	98.73	5.435	
11,200.0	7,231.0	7,327.4	7,204.2	80.5	25.1	-90.03	-4,392.9	931.9	458.4	357.7	100.63	4.555	
11,300.0	7,231.0	7,325.8	7,202.6	82.4	25.1	-89.74	-4,392.9	931.9	390.2	287.7	102.53	3.805	
11,400.0	7,231.0	7,324.3	7,201.1	84.3	25.1	-89.46	-4,392.9	931.9	338.2	233.8	104.43	3.238	
11,500.0	7,231.0	7,322.8	7,199.6	86.2	25.1	-89.18	-4,392.9	931.9	310.7	204.3	106.34	2.922	
11,539.3	7,231.0	7,322.2	7,199.0	86.9	25.1	-89.07	-4,392.9	931.9	308.2	201.1	107.08	2.878 CC, ES, SF	
11,600.0	7,231.0	7,321.3	7,198.1	88.0	25.1	-88.90	-4,393.0	931.9	314.1	205.9	108.23	2.902	
11,700.0	7,231.0	7,319.8	7,196.6	89.9	25.1	-88.62	-4,393.0	931.8	347.5	237.4	110.13	3.156	
11,781.0	7,231.0	7,318.6	7,195.4	91.5	25.1	-88.40	-4,393.0	931.8	391.6	280.0	111.67	3.507	

Offset Design		SRC Leffler 13-26D Pad Sec.26-T7N-R66W - SRC Leffler 26B (Vert.) - Wellbore #1 - Design #1											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)				
10,000.0	7,231.0	7,203.0	7,203.0	58.3	16.1	90.00	-3,659.7	42.2	987.4	913.8	73.56	13.423			
10,100.0	7,231.0	7,203.0	7,203.0	60.1	16.1	90.00	-3,659.7	42.2	908.2	832.8	75.42	12.042			
10,200.0	7,231.0	7,203.0	7,203.0	61.9	16.1	90.00	-3,659.7	42.2	833.4	756.1	77.27	10.785			
10,300.0	7,231.0	7,203.0	7,203.0	63.8	16.1	90.00	-3,659.7	42.2	764.4	685.3	79.14	9.660			
10,400.0	7,231.0	7,203.0	7,203.0	65.6	16.1	90.00	-3,659.7	42.2	703.0	622.0	81.00	8.678			
10,500.0	7,231.0	7,203.0	7,203.0	67.5	16.1	90.00	-3,659.7	42.2	651.1	568.2	82.87	7.857			
10,600.0	7,231.0	7,203.0	7,203.0	69.3	16.1	90.00	-3,659.7	42.2	611.3	526.6	84.74	7.214			
10,700.0	7,231.0	7,203.0	7,203.0	71.2	16.1	90.00	-3,659.7	42.2	586.1	499.5	86.62	6.766			
10,800.0	7,231.0	7,203.0	7,203.0	73.0	16.1	90.00	-3,659.7	42.2	577.3	488.8	88.50	6.524			
10,801.1	7,231.0	7,203.0	7,203.0	73.1	16.1	90.00	-3,659.7	42.2	577.3	488.8	88.52	6.522 CC, ES			
10,900.0	7,231.0	7,203.0	7,203.0	74.9	16.1	90.00	-3,659.7	42.2	585.7	495.4	90.38	6.481 SF			
11,000.0	7,231.0	7,203.0	7,203.0	76.8	16.1	90.00	-3,659.7	42.2	610.6	518.4	92.26	6.619			
11,100.0	7,231.0	7,203.0	7,203.0	78.7	16.1	90.00	-3,659.7	42.2	650.1	556.0	94.15	6.906			
11,200.0	7,231.0	7,203.0	7,203.0	80.5	16.1	90.00	-3,659.7	42.2	701.8	605.7	96.03	7.308			
11,300.0	7,231.0	7,203.0	7,203.0	82.4	16.1	90.00	-3,659.7	42.2	763.1	665.1	97.92	7.793			
11,400.0	7,231.0	7,203.0	7,203.0	84.3	16.1	90.00	-3,659.7	42.2	831.9	732.1	99.81	8.335			
11,500.0	7,231.0	7,203.0	7,203.0	86.2	16.1	90.00	-3,659.7	42.2	906.6	804.8	101.70	8.914			
11,600.0	7,231.0	7,203.0	7,203.0	88.0	16.1	90.00	-3,659.7	42.2	985.7	882.1	103.60	9.515			

SRC Leffler 14-26NHZ Pad Sec.26-T7N-R66W - SRC Leffler 13-26NHZ - Wellbore #1 - Plan #2 (8-08-1)													Offset Site Error:	0.0 ft
Survey Program: 0-MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset	Highside Toolface	Offset Wellbore Centre		Between Centres	Between Ellipses	Minimum Separation	Separation Factor		
(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(°)	+N/-S (ft)	+E/-W (ft)	(ft)	(ft)	(ft)			
0.0	0.0	0.0	0.0	0.0	0.0	-90.90	-0.7	-45.0	45.0					
100.0	100.0	100.0	100.0	0.1	0.1	-90.90	-0.7	-45.0	45.0	44.8	0.22	200.314		
200.0	200.0	200.0	200.0	0.3	0.3	-90.90	-0.7	-45.0	45.0	44.3	0.67	66.771		
300.0	300.0	300.0	300.0	0.6	0.6	-90.90	-0.7	-45.0	45.0	43.9	1.12	40.063		
400.0	400.0	400.0	400.0	0.8	0.8	-90.90	-0.7	-45.0	45.0	43.5	1.57	28.616		
500.0	500.0	500.0	500.0	1.0	1.0	-90.90	-0.7	-45.0	45.0	43.0	2.02	22.257		
600.0	600.0	600.0	600.0	1.2	1.2	-90.90	-0.7	-45.0	45.0	42.6	2.47	18.210		
700.0	700.0	700.0	700.0	1.5	1.5	-90.90	-0.7	-45.0	45.0	42.1	2.92	15.409		
800.0	800.0	800.0	800.0	1.7	1.7	-90.90	-0.7	-45.0	45.0	41.7	3.37	13.354		
900.0	900.0	900.0	900.0	1.9	1.9	-90.90	-0.7	-45.0	45.0	41.2	3.82	11.783		
1,000.0	1,000.0	1,000.0	1,000.0	2.1	2.1	-90.90	-0.7	-45.0	45.0	40.8	4.27	10.543		
1,100.0	1,100.0	1,100.0	1,100.0	2.4	2.4	-90.90	-0.7	-45.0	45.0	40.3	4.72	9.539		
1,200.0	1,200.0	1,200.0	1,200.0	2.6	2.6	-90.90	-0.7	-45.0	45.0	39.9	5.17	8.709 CC, ES		
1,300.0	1,300.0	1,300.0	1,300.0	2.8	2.8	-166.43	-0.7	-45.0	46.7	41.1	5.61	8.332		
1,400.0	1,399.8	1,399.8	1,399.8	3.0	3.0	-167.77	-0.7	-45.0	51.8	45.8	6.03	8.592		
1,500.0	1,499.5	1,499.5	1,499.5	3.2	3.3	-169.49	-0.7	-45.0	60.4	53.9	6.45	9.356		
1,600.0	1,598.7	1,598.7	1,598.7	3.5	3.5	-171.21	-0.7	-45.0	72.4	65.5	6.87	10.539		
1,700.0	1,697.5	1,697.5	1,697.5	3.7	3.7	-172.73	-0.7	-45.0	87.9	80.6	7.28	12.074		
1,800.0	1,795.6	1,795.6	1,795.6	4.0	3.9	-173.98	-0.7	-45.0	106.8	99.2	7.68	13.904		
1,900.0	1,893.4	1,893.4	1,893.4	4.4	4.1	-174.97	-0.7	-45.0	127.7	119.5	8.12	15.712		
2,000.0	1,991.2	1,991.2	1,991.2	4.7	4.4	-175.67	-0.7	-45.0	148.5	139.9	8.57	17.324		
2,100.0	2,089.0	2,089.0	2,089.0	5.1	4.6	-176.21	-0.7	-45.0	169.4	160.4	9.02	18.769		
2,200.0	2,186.8	2,186.8	2,186.8	5.5	4.8	-176.62	-0.7	-45.0	190.3	180.8	9.48	20.070		
2,300.0	2,284.6	2,284.6	2,284.6	5.9	5.0	-176.96	-0.7	-45.0	211.1	201.2	9.94	21.246		
2,400.0	2,382.4	2,382.4	2,382.4	6.3	5.2	-177.23	-0.7	-45.0	232.0	221.6	10.40	22.313		
2,500.0	2,480.1	2,480.1	2,480.1	6.7	5.5	-177.46	-0.7	-45.0	252.9	242.1	10.86	23.286		
2,600.0	2,577.9	2,581.1	2,581.1	7.1	5.7	-177.44	0.4	-44.8	273.4	262.0	11.33	24.123		
2,700.0	2,675.7	2,683.3	2,683.2	7.6	5.9	-176.77	5.0	-43.8	292.4	280.6	11.81	24.772		
2,800.0	2,773.5	2,785.7	2,785.2	8.0	6.2	-175.56	13.2	-42.1	310.2	297.9	12.28	25.252		
2,900.0	2,871.3	2,886.3	2,885.2	8.4	6.4	-173.96	24.5	-39.8	326.9	314.1	12.77	25.601		
3,000.0	2,969.1	2,984.5	2,982.7	8.9	6.6	-172.46	36.0	-37.5	343.6	330.4	13.26	25.911		
3,100.0	3,066.9	3,082.7	3,080.2	9.3	6.8	-171.11	47.5	-35.1	360.6	346.8	13.77	26.192		
3,200.0	3,164.7	3,180.9	3,177.7	9.7	7.1	-169.87	59.0	-32.7	377.7	363.4	14.28	26.448		
3,300.0	3,262.4	3,279.1	3,275.2	10.2	7.3	-168.75	70.5	-30.3	395.0	380.2	14.81	26.680		
3,400.0	3,360.2	3,377.3	3,372.7	10.6	7.6	-167.71	82.0	-28.0	412.4	397.1	15.34	26.890		
3,500.0	3,458.0	3,475.6	3,470.2	11.1	7.8	-166.76	93.5	-25.6	430.0	414.1	15.88	27.080		
3,600.0	3,555.8	3,573.8	3,567.7	11.5	8.1	-165.89	105.0	-23.2	447.6	431.2	16.43	27.252		
3,700.0	3,653.6	3,672.0	3,665.2	12.0	8.4	-165.08	116.5	-20.8	465.4	448.4	16.98	27.409		
3,800.0	3,751.4	3,770.2	3,762.7	12.4	8.6	-164.33	128.0	-18.5	483.2	465.7	17.54	27.551		
3,900.0	3,849.2	3,868.3	3,860.1	12.8	8.9	-163.63	139.5	-16.1	501.1	483.0	18.10	27.681		
4,000.0	3,947.0	3,963.5	3,954.8	13.3	9.1	-163.19	149.0	-14.1	519.4	500.8	18.61	27.915		
4,100.0	4,044.7	4,058.6	4,049.7	13.7	9.3	-163.11	155.4	-12.8	538.3	519.2	19.08	28.216		
4,200.0	4,142.6	4,153.5	4,144.5	14.2	9.5	-163.40	158.8	-12.1	557.4	537.9	19.53	28.535		
4,300.0	4,241.0	4,250.0	4,241.0	14.5	9.6	-163.94	159.3	-12.0	574.3	554.4	19.97	28.766		
4,400.0	4,340.0	4,349.0	4,340.0	14.8	9.8	-164.40	159.3	-12.0	588.1	567.7	20.40	28.835		
4,500.0	4,439.4	4,448.4	4,439.4	15.0	10.0	-164.73	159.3	-12.0	598.5	577.7	20.81	28.760		
4,600.0	4,539.1	4,548.1	4,539.1	15.2	10.3	-164.95	159.3	-12.0	605.7	584.4	21.20	28.563		
4,700.0	4,639.0	4,648.0	4,639.0	15.4	10.5	-165.07	159.3	-12.0	609.4	587.8	21.57	28.251		
4,800.0	4,739.0	4,748.0	4,739.0	15.5	10.7	-90.07	159.3	-12.0	610.0	588.1	21.95	27.790		
4,900.0	4,839.0	4,848.0	4,839.0	15.6	10.9	-90.07	159.3	-12.0	610.0	587.7	22.36	27.285		
5,000.0	4,939.0	4,948.0	4,939.0	15.8	11.1	-90.07	159.3	-12.0	610.0	587.3	22.76	26.797		

Company:	Synergy Resources	Local Co-ordinate Reference:	Well SRC Leffler 23-26NHZ
Project:	SEC.26-T7N-R66W	TVD Reference:	WELL @ 4912.0ft (RKB-12')
Reference Site:	SRC Leffler 14-26NHZ Pad Sec.26-T7N-R66W	MD Reference:	WELL @ 4912.0ft (RKB-12')
Site Error:	0.0ft	North Reference:	True
Reference Well:	SRC Leffler 23-26NHZ	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	Landmark
Reference Design:	Plan #2 (8-08-13)	Offset TVD Reference:	Offset Datum

Offset Design SRC Leffler 14-26NHZ Pad Sec.26-T7N-R66W - SRC Leffler 13-26NHZ - Wellbore #1 - Plan #2 (8-08-1)													Offset Site Error:	0.0 ft
Survey Program: 0-MWD													Offset Well Error:	0.0 ft
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference	Offset	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning	
5,100.0	5,039.0	5,048.0	5,039.0	15.9	11.3	-90.07	159.3	-12.0	610.0	586.8	23.17	26.323		
5,200.0	5,139.0	5,148.0	5,139.0	16.1	11.6	-90.07	159.3	-12.0	610.0	586.4	23.58	25.865		
5,300.0	5,239.0	5,248.0	5,239.0	16.2	11.8	-90.07	159.3	-12.0	610.0	586.0	24.00	25.421		
5,400.0	5,339.0	5,348.0	5,339.0	16.4	12.0	-90.07	159.3	-12.0	610.0	585.6	24.41	24.991		
5,500.0	5,439.0	5,448.0	5,439.0	16.6	12.2	-90.07	159.3	-12.0	610.0	585.2	24.82	24.573		
5,600.0	5,539.0	5,548.0	5,539.0	16.7	12.4	-90.07	159.3	-12.0	610.0	584.8	25.24	24.169		
5,700.0	5,639.0	5,648.0	5,639.0	16.9	12.6	-90.07	159.3	-12.0	610.0	584.4	25.66	23.776		
5,800.0	5,739.0	5,748.0	5,739.0	17.0	12.9	-90.07	159.3	-12.0	610.0	583.9	26.07	23.395		
5,900.0	5,839.0	5,848.0	5,839.0	17.2	13.1	-90.07	159.3	-12.0	610.0	583.5	26.49	23.025		
6,000.0	5,939.0	5,948.0	5,939.0	17.4	13.3	-90.07	159.3	-12.0	610.0	583.1	26.91	22.666		
6,100.0	6,039.0	6,048.0	6,039.0	17.5	13.5	-90.07	159.3	-12.0	610.0	582.7	27.33	22.317		
6,200.0	6,139.0	6,148.0	6,139.0	17.7	13.7	-90.07	159.3	-12.0	610.0	582.3	27.76	21.978		
6,300.0	6,239.0	6,248.0	6,239.0	17.8	14.0	-90.07	159.3	-12.0	610.0	581.8	28.18	21.649		
6,400.0	6,339.0	6,348.0	6,339.0	18.0	14.2	-90.07	159.3	-12.0	610.0	581.4	28.60	21.328		
6,500.0	6,439.0	6,448.0	6,439.0	18.2	14.4	-90.07	159.3	-12.0	610.0	581.0	29.03	21.017		
6,549.6	6,488.7	6,497.6	6,488.7	18.3	14.5	90.30	159.3	-12.0	610.0	580.8	29.22	20.874		
6,600.0	6,539.0	6,548.0	6,539.1	18.4	14.6	90.29	159.2	-12.0	610.0	580.6	29.43	20.726		
6,700.0	6,638.4	6,648.6	6,639.2	18.5	14.7	90.45	150.6	-12.0	610.0	580.3	29.72	20.526		
6,800.0	6,735.4	6,749.4	6,737.3	18.6	14.9	90.61	128.0	-11.8	610.0	580.1	29.93	20.384		
6,900.0	6,828.1	6,850.4	6,831.5	18.6	14.9	90.76	91.7	-11.6	610.1	580.0	30.10	20.269		
7,000.0	6,914.6	6,951.6	6,919.8	18.7	15.1	90.89	42.5	-11.4	610.1	579.8	30.30	20.138		
7,100.0	6,993.5	7,053.1	7,000.5	18.8	15.2	91.00	-18.9	-11.0	610.1	579.5	30.60	19.936		
7,200.0	7,062.9	7,154.6	7,071.8	18.9	15.4	91.10	-91.1	-10.6	610.1	579.0	31.11	19.612		
7,300.0	7,121.8	7,256.4	7,132.3	19.2	15.8	91.17	-172.8	-10.1	610.1	578.2	31.89	19.130		
7,400.0	7,168.8	7,358.2	7,180.6	19.5	16.4	91.22	-262.3	-9.6	610.1	577.1	33.02	18.480		
7,500.0	7,203.0	7,460.0	7,215.8	20.0	17.1	91.24	-357.8	-9.1	610.1	575.6	34.50	17.686		
7,600.0	7,223.9	7,561.9	7,237.1	20.7	18.1	91.24	-457.4	-8.5	610.1	573.8	36.32	16.797		
7,700.0	7,231.0	7,663.8	7,244.0	21.5	19.1	91.22	-558.9	-7.9	610.1	571.7	38.44	15.872		
7,800.0	7,231.0	7,763.8	7,244.0	22.6	20.3	91.22	-658.9	-7.4	610.1	569.3	40.78	14.960		
7,900.0	7,231.0	7,863.8	7,244.0	23.7	21.6	91.22	-758.9	-6.8	610.1	566.8	43.33	14.081		
8,000.0	7,231.0	7,963.8	7,244.0	24.9	23.0	91.22	-858.9	-6.2	610.1	564.1	46.06	13.246		
8,100.0	7,231.0	8,063.8	7,244.0	26.3	24.4	91.22	-958.9	-5.7	610.1	561.2	48.94	12.467		
8,200.0	7,231.0	8,163.8	7,244.0	27.7	25.9	91.22	-1,058.9	-5.1	610.1	558.2	51.94	11.745		
8,300.0	7,231.0	8,263.8	7,244.0	29.1	27.5	91.22	-1,158.9	-4.5	610.1	555.0	55.06	11.082		
8,400.0	7,231.0	8,363.8	7,244.0	30.6	29.1	91.22	-1,258.9	-4.0	610.1	551.8	58.26	10.473		
8,500.0	7,231.0	8,463.8	7,244.0	32.2	30.7	91.22	-1,358.9	-3.4	610.1	548.6	61.53	9.915		
8,600.0	7,231.0	8,563.8	7,244.0	33.8	32.4	91.22	-1,458.9	-2.8	610.1	545.2	64.87	9.405		
8,700.0	7,231.0	8,663.8	7,244.0	35.4	34.1	91.22	-1,558.9	-2.3	610.1	541.8	68.26	8.938		
8,800.0	7,231.0	8,763.8	7,244.0	37.1	35.8	91.22	-1,658.9	-1.7	610.1	538.4	71.70	8.509		
8,900.0	7,231.0	8,863.8	7,244.0	38.8	37.6	91.22	-1,758.9	-1.1	610.1	534.9	75.18	8.115		
9,000.0	7,231.0	8,963.8	7,244.0	40.5	39.3	91.22	-1,858.9	-0.5	610.1	531.4	78.69	7.753		
9,100.0	7,231.0	9,063.8	7,244.0	42.2	41.1	91.22	-1,958.9	0.0	610.1	527.8	82.24	7.419		
9,200.0	7,231.0	9,163.8	7,244.0	43.9	42.9	91.22	-2,058.9	0.6	610.1	524.3	85.81	7.110		
9,300.0	7,231.0	9,263.8	7,244.0	45.7	44.7	91.22	-2,158.8	1.2	610.1	520.7	89.40	6.824		
9,400.0	7,231.0	9,363.8	7,244.0	47.4	46.5	91.22	-2,258.8	1.7	610.1	517.1	93.01	6.559		
9,500.0	7,231.0	9,463.8	7,244.0	49.2	48.3	91.22	-2,358.8	2.3	610.1	513.4	96.65	6.312		
9,600.0	7,231.0	9,563.8	7,244.0	51.0	50.1	91.22	-2,458.8	2.9	610.1	509.8	100.30	6.083		
9,700.0	7,231.0	9,663.8	7,244.0	52.8	52.0	91.22	-2,558.8	3.4	610.1	506.1	103.96	5.868		
9,800.0	7,231.0	9,763.8	7,244.0	54.6	53.8	91.22	-2,658.8	4.0	610.1	502.4	107.64	5.668		
9,900.0	7,231.0	9,863.8	7,244.0	56.4	55.7	91.22	-2,758.8	4.6	610.0	498.7	111.32	5.480		
10,000.0	7,231.0	9,963.8	7,244.0	58.3	57.5	91.22	-2,858.8	5.1	610.0	495.0	115.02	5.304		

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 Leffler 23-26NHZ
Project:	SEC.26-T7N-R66W	TVD Reference:	WELL @ 4912.0ft (RKB-12')
Reference Site:	SRC Leffler 14-26NHZ Pad Sec.26-T7N-R66W	MD Reference:	WELL @ 4912.0ft (RKB-12')
Site Error:	0.0ft	North Reference:	True
Reference Well:	SRC Leffler 23-26NHZ	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	Landmark
Reference Design:	Plan #2 (8-08-13)	Offset TVD Reference:	Offset Datum

Offset Design SRC Leffler 14-26NHZ Pad Sec.26-T7N-R66W - SRC Leffler 13-26NHZ - Wellbore #1 - Plan #2 (8-08-1													Offset Site Error:	0.0 ft
Survey Program: 0-MWD													Offset Well Error:	0.0 ft
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference	Offset	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning	
10,100.0	7,231.0	10,063.8	7,244.0	60.1	59.4	91.22	-2,958.8	5.7	610.0	491.3	118.73	5.138		
10,200.0	7,231.0	10,163.8	7,244.0	61.9	61.2	91.22	-3,058.8	6.3	610.0	487.6	122.45	4.982		
10,300.0	7,231.0	10,263.8	7,244.0	63.8	63.1	91.22	-3,158.8	6.8	610.0	483.9	126.18	4.835		
10,400.0	7,231.0	10,363.8	7,244.0	65.6	65.0	91.22	-3,258.8	7.4	610.0	480.1	129.91	4.696		
10,500.0	7,231.0	10,463.8	7,244.0	67.5	66.8	91.22	-3,358.8	8.0	610.0	476.4	133.65	4.564		
10,600.0	7,231.0	10,563.8	7,244.0	69.3	68.7	91.22	-3,458.8	8.5	610.0	472.6	137.39	4.440		
10,700.0	7,231.0	10,663.8	7,244.0	71.2	70.6	91.22	-3,558.8	9.1	610.0	468.9	141.15	4.322		
10,800.0	7,231.0	10,763.8	7,244.0	73.0	72.5	91.22	-3,658.8	9.7	610.0	465.1	144.90	4.210		
10,900.0	7,231.0	10,863.8	7,244.0	74.9	74.4	91.22	-3,758.8	10.3	610.0	461.3	148.66	4.103		
11,000.0	7,231.0	10,963.8	7,244.0	76.8	76.2	91.22	-3,858.8	10.8	610.0	457.6	152.43	4.002		
11,100.0	7,231.0	11,063.8	7,244.0	78.7	78.1	91.22	-3,958.8	11.4	610.0	453.8	156.20	3.905		
11,200.0	7,231.0	11,163.8	7,244.0	80.5	80.0	91.22	-4,058.8	12.0	610.0	450.0	159.98	3.813		
11,300.0	7,231.0	11,263.8	7,244.0	82.4	81.9	91.22	-4,158.8	12.5	610.0	446.2	163.75	3.725		
11,400.0	7,231.0	11,363.8	7,244.0	84.3	83.8	91.22	-4,258.8	13.1	610.0	442.5	167.53	3.641		
11,500.0	7,231.0	11,463.8	7,244.0	86.2	85.7	91.22	-4,358.8	13.7	610.0	438.7	171.32	3.561		
11,600.0	7,231.0	11,563.8	7,244.0	88.0	87.6	91.22	-4,458.8	14.2	610.0	434.9	175.11	3.484		
11,700.0	7,231.0	11,663.8	7,244.0	89.9	89.5	91.22	-4,558.8	14.8	610.0	431.1	178.90	3.410		
11,781.0	7,231.0	11,744.8	7,244.0	91.5	91.0	91.22	-4,639.9	15.3	610.0	428.0	181.97	3.352 SF		

Company:	Synergy Resources	Local Co-ordinate Reference:	Well SRC Leffler 23-26NHZ
Project:	SEC.26-T7N-R66W	TVD Reference:	WELL @ 4912.0ft (RKB-12')
Reference Site:	SRC Leffler 14-26NHZ Pad Sec.26-T7N-R66W	MD Reference:	WELL @ 4912.0ft (RKB-12')
Site Error:	0.0ft	North Reference:	True
Reference Well:	SRC Leffler 23-26NHZ	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	Landmark
Reference Design:	Plan #2 (8-08-13)	Offset TVD Reference:	Offset Datum

Offset Design SRC Leffler 14-26NHZ Pad Sec.26-T7N-R66W - SRC Leffler 14-26NHZ - Wellbore #1 - Plan #2 (8-08-13)													Offset Site Error:	0.0 ft
Survey Program: 0-MWD													Offset Well Error:	0.0 ft
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference	Offset	Semi Major Axis Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +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	-90.94	-1.1	-67.5	67.5					
100.0	100.0	100.0	100.0	0.1	0.1	-90.94	-1.1	-67.5	67.5	67.3	0.22	300.475		
200.0	200.0	200.0	200.0	0.3	0.3	-90.94	-1.1	-67.5	67.5	66.9	0.67	100.158		
300.0	300.0	300.0	300.0	0.6	0.6	-90.94	-1.1	-67.5	67.5	66.4	1.12	60.095		
400.0	400.0	400.0	400.0	0.8	0.8	-90.94	-1.1	-67.5	67.5	66.0	1.57	42.925 CC		
500.0	500.0	499.4	499.4	1.0	1.0	-90.81	-1.0	-67.9	67.9	65.9	2.01	33.750 ES		
600.0	600.0	598.9	598.9	1.2	1.2	-90.44	-0.5	-69.2	69.2	66.7	2.45	28.237		
700.0	700.0	698.3	698.3	1.5	1.4	-89.85	0.2	-71.2	71.2	68.3	2.89	24.634		
800.0	800.0	797.6	797.6	1.7	1.7	-89.08	1.2	-74.0	74.1	70.7	3.34	22.206		
900.0	900.0	896.9	896.8	1.9	1.9	-88.17	2.5	-77.7	77.8	74.0	3.79	20.551		
1,000.0	1,000.0	996.2	995.9	2.1	2.1	-87.18	4.0	-82.2	82.4	78.1	4.24	19.427		
1,100.0	1,100.0	1,095.3	1,094.9	2.4	2.3	-86.14	5.9	-87.4	87.8	83.1	4.70	18.684		
1,200.0	1,200.0	1,194.3	1,193.7	2.6	2.6	-85.08	8.0	-93.5	94.0	88.9	5.16	18.222 SF		
1,300.0	1,300.0	1,293.1	1,292.2	2.8	2.8	-159.35	10.5	-100.3	102.8	97.3	5.55	18.514		
1,400.0	1,399.8	1,391.4	1,390.1	3.0	3.1	-159.21	13.1	-107.9	115.7	109.7	5.98	19.345		
1,500.0	1,499.5	1,488.9	1,487.3	3.2	3.3	-159.50	16.1	-116.3	132.6	126.2	6.40	20.709		
1,600.0	1,598.7	1,585.5	1,583.4	3.5	3.6	-160.04	19.3	-125.3	153.5	146.7	6.82	22.508		
1,700.0	1,697.5	1,681.0	1,678.3	3.7	3.9	-160.70	22.7	-135.0	178.4	171.2	7.23	24.668		
1,800.0	1,795.6	1,775.1	1,771.8	4.0	4.1	-161.39	26.3	-145.3	207.3	199.7	7.65	27.121		
1,900.0	1,893.4	1,868.3	1,864.3	4.4	4.4	-162.13	30.1	-156.1	238.7	230.7	8.09	29.512		
2,000.0	1,991.2	1,961.4	1,956.6	4.7	4.7	-162.66	34.2	-167.7	270.9	262.3	8.54	31.706		
2,100.0	2,089.0	2,056.0	2,050.3	5.1	5.0	-163.07	38.4	-179.7	303.3	294.3	9.01	33.678		
2,200.0	2,186.8	2,150.6	2,144.1	5.5	5.3	-163.40	42.6	-191.6	335.7	326.2	9.47	35.442		
2,300.0	2,284.6	2,245.2	2,237.8	5.9	5.6	-163.68	46.8	-203.6	368.1	358.2	9.94	37.025		
2,400.0	2,382.4	2,339.8	2,331.5	6.3	5.9	-163.90	51.1	-215.6	400.5	390.1	10.42	38.450		
2,500.0	2,480.1	2,434.4	2,425.3	6.7	6.2	-164.10	55.3	-227.5	432.9	422.0	10.89	39.738		
2,600.0	2,577.9	2,528.9	2,519.0	7.1	6.5	-164.27	59.5	-239.5	465.4	454.0	11.38	40.908		
2,700.0	2,675.7	2,623.5	2,612.7	7.6	6.8	-164.41	63.7	-251.5	497.8	485.9	11.86	41.974		
2,800.0	2,773.5	2,718.1	2,706.5	8.0	7.1	-164.54	67.9	-263.4	530.2	517.9	12.35	42.949		
2,900.0	2,871.3	2,812.7	2,800.2	8.4	7.4	-164.65	72.2	-275.4	562.7	549.8	12.83	43.843		
3,000.0	2,969.1	2,907.3	2,893.9	8.9	7.7	-164.75	76.4	-287.4	595.1	581.8	13.32	44.665		
3,100.0	3,066.9	3,001.9	2,987.7	9.3	8.1	-164.84	80.6	-299.3	627.5	613.7	13.81	45.424		
3,200.0	3,164.7	3,096.5	3,081.4	9.7	8.4	-164.92	84.8	-311.3	660.0	645.7	14.31	46.126		
3,300.0	3,262.4	3,191.1	3,175.1	10.2	8.7	-165.00	89.0	-323.3	692.4	677.6	14.80	46.777		
3,400.0	3,360.2	3,285.6	3,268.9	10.6	9.0	-165.06	93.2	-335.2	724.8	709.6	15.30	47.383		
3,500.0	3,458.0	3,380.2	3,362.6	11.1	9.3	-165.12	97.5	-347.2	757.3	741.5	15.79	47.947		
3,600.0	3,555.8	3,474.8	3,456.3	11.5	9.6	-165.18	101.7	-359.2	789.7	773.4	16.29	48.474		
3,700.0	3,653.6	3,569.4	3,550.1	12.0	9.9	-165.23	105.9	-371.1	822.2	805.4	16.79	48.967		
3,800.0	3,751.4	3,664.0	3,643.8	12.4	10.3	-165.28	110.1	-383.1	854.6	837.3	17.29	49.429		
3,900.0	3,849.2	3,758.6	3,737.5	12.8	10.6	-165.33	114.3	-395.1	887.1	869.3	17.79	49.863		
4,000.0	3,947.0	3,853.2	3,831.3	13.3	10.9	-165.37	118.6	-407.0	919.5	901.2	18.29	50.271		
4,100.0	4,044.7	3,947.8	3,925.0	13.7	11.2	-165.41	122.8	-419.0	952.0	933.2	18.79	50.656		
4,200.0	4,142.6	4,047.4	4,023.8	14.2	11.5	-165.51	127.2	-431.5	984.0	964.7	19.31	50.953		

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	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)				
0.0	0.0	0.0	0.0	0.0	0.0	88.98	0.4	22.2	22.2						
100.0	100.0	100.0	100.0	0.1	0.1	88.98	0.4	22.2	22.2	22.0	0.22	98.924			
200.0	200.0	200.0	200.0	0.3	0.3	88.98	0.4	22.2	22.2	21.6	0.67	32.975			
300.0	300.0	300.0	300.0	0.6	0.6	88.98	0.4	22.2	22.2	21.1	1.12	19.785			
400.0	400.0	400.0	400.0	0.8	0.8	88.98	0.4	22.2	22.2	20.7	1.57	14.132			
500.0	500.0	500.0	500.0	1.0	1.0	88.98	0.4	22.2	22.2	20.2	2.02	10.992			
600.0	600.0	600.0	600.0	1.2	1.2	88.98	0.4	22.2	22.2	19.8	2.47	8.993			
700.0	700.0	700.0	700.0	1.5	1.5	88.98	0.4	22.2	22.2	19.3	2.92	7.610			
800.0	800.0	800.0	800.0	1.7	1.7	88.98	0.4	22.2	22.2	18.9	3.37	6.595			
900.0	900.0	900.0	900.0	1.9	1.9	88.98	0.4	22.2	22.2	18.4	3.82	5.819			
1,000.0	1,000.0	1,000.0	1,000.0	2.1	2.1	88.98	0.4	22.2	22.2	18.0	4.27	5.207 CC, ES			
1,100.0	1,100.0	1,099.2	1,099.2	2.4	2.3	88.45	0.6	23.9	24.0	19.2	4.71	5.088			
1,200.0	1,200.0	1,198.2	1,198.0	2.6	2.6	87.25	1.4	29.0	29.1	24.0	5.14	5.664			
1,300.0	1,300.0	1,296.8	1,296.3	2.8	2.8	11.45	2.6	37.4	36.0	30.4	5.55	6.482			
1,400.0	1,399.8	1,395.2	1,394.0	3.0	3.0	11.44	4.4	49.2	42.9	36.9	5.96	7.195			
1,500.0	1,499.5	1,493.4	1,491.0	3.2	3.3	11.89	6.6	64.2	49.8	43.4	6.37	7.815			
1,600.0	1,598.7	1,591.3	1,587.1	3.5	3.6	12.61	9.3	82.4	56.7	49.9	6.79	8.355			
1,700.0	1,697.5	1,689.5	1,682.9	3.7	3.9	13.54	12.4	103.8	63.5	56.3	7.21	8.812			
1,800.0	1,795.6	1,789.4	1,780.1	4.0	4.3	14.92	15.8	126.6	68.0	60.3	7.64	8.895			
1,900.0	1,893.4	1,889.4	1,877.4	4.4	4.7	16.57	19.1	149.5	70.7	62.5	8.13	8.693			
2,000.0	1,991.2	1,989.3	1,974.6	4.7	5.2	18.09	22.5	172.3	73.4	64.8	8.63	8.504			
2,100.0	2,089.0	2,089.3	2,071.9	5.1	5.6	19.50	25.9	195.1	76.2	67.1	9.16	8.323			
2,200.0	2,186.8	2,189.2	2,169.1	5.5	6.1	20.82	29.2	217.9	79.1	69.4	9.70	8.152			
2,300.0	2,284.6	2,289.1	2,266.4	5.9	6.5	22.04	32.6	240.7	82.0	71.7	10.26	7.990			
2,400.0	2,382.4	2,389.1	2,363.6	6.3	7.0	23.18	35.9	263.5	84.9	74.0	10.83	7.836			
2,500.0	2,480.1	2,489.0	2,460.9	6.7	7.4	24.24	39.3	286.3	87.8	76.4	11.42	7.691			
2,600.0	2,577.9	2,589.0	2,558.1	7.1	7.9	25.23	42.7	309.1	90.8	78.8	12.02	7.554			
2,700.0	2,675.7	2,688.9	2,655.3	7.6	8.4	26.16	46.0	331.9	93.8	81.2	12.63	7.424			
2,800.0	2,773.5	2,788.9	2,752.6	8.0	8.9	27.03	49.4	354.7	96.8	83.6	13.26	7.302			
2,900.0	2,871.3	2,888.8	2,849.8	8.4	9.3	27.85	52.7	377.6	99.9	86.0	13.90	7.186			
3,000.0	2,969.1	2,988.8	2,947.1	8.9	9.8	28.62	56.1	400.4	102.9	88.4	14.55	7.076			
3,100.0	3,066.9	3,088.7	3,044.3	9.3	10.3	29.34	59.5	423.2	106.0	90.8	15.20	6.973			
3,200.0	3,164.7	3,188.6	3,141.6	9.7	10.8	30.03	62.8	446.0	109.1	93.3	15.87	6.876			
3,300.0	3,262.4	3,288.6	3,238.8	10.2	11.3	30.67	66.2	468.8	112.2	95.7	16.55	6.784			
3,400.0	3,360.2	3,388.5	3,336.1	10.6	11.8	31.28	69.5	491.6	115.4	98.1	17.23	6.697			
3,500.0	3,458.0	3,488.5	3,433.3	11.1	12.3	31.86	72.9	514.4	118.5	100.6	17.92	6.615			
3,600.0	3,555.8	3,588.4	3,530.6	11.5	12.8	32.41	76.3	537.2	121.7	103.0	18.61	6.537			
3,700.0	3,653.6	3,688.4	3,627.8	12.0	13.2	32.93	79.6	560.0	124.8	105.5	19.31	6.463			
3,800.0	3,751.4	3,788.3	3,725.1	12.4	13.7	33.43	83.0	582.8	128.0	108.0	20.02	6.393			
3,900.0	3,849.2	3,888.2	3,822.3	12.8	14.2	33.90	86.4	605.7	131.2	110.4	20.73	6.327			
4,000.0	3,947.0	3,988.2	3,919.6	13.3	14.7	34.35	89.7	628.5	134.4	112.9	21.45	6.265			
4,100.0	4,044.7	4,088.1	4,016.8	13.7	15.2	34.78	93.1	651.3	137.6	115.4	22.17	6.205			
4,200.0	4,142.6	4,188.1	4,114.1	14.2	15.7	35.13	96.4	674.1	141.0	118.2	22.88	6.165			
4,300.0	4,241.0	4,287.9	4,211.2	14.5	16.2	34.85	99.8	696.9	146.9	123.5	23.42	6.271			
4,400.0	4,340.0	4,387.5	4,308.1	14.8	16.7	33.91	103.1	719.6	155.6	131.8	23.82	6.533			
4,500.0	4,439.4	4,486.7	4,404.6	15.0	17.2	32.45	106.5	742.2	167.3	143.2	24.09	6.947			
4,600.0	4,539.1	4,585.4	4,500.7	15.2	17.7	30.66	109.8	764.8	182.1	157.9	24.25	7.509			
4,700.0	4,639.0	4,683.5	4,596.1	15.4	18.2	28.69	113.1	787.1	200.1	175.7	24.35	8.217			
4,800.0	4,739.0	4,781.0	4,690.9	15.5	18.6	101.66	116.4	809.4	221.1	196.6	24.49	9.030			
4,900.0	4,839.0	4,878.3	4,785.6	15.6	19.1	99.80	119.6	831.6	243.0	218.3	24.67	9.850			
5,000.0	4,939.0	4,975.6	4,880.3	15.8	19.6	98.25	122.9	853.8	265.1	240.2	24.91	10.642			

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Company:	Synergy Resources	Local Co-ordinate Reference:	Well SRC Leffler 23-26NHZ
Project:	SEC.26-T7N-R66W	TVD Reference:	WELL @ 4912.0ft (RKB-12')
Reference Site:	SRC Leffler 14-26NHZ Pad Sec.26-T7N-R66W	MD Reference:	WELL @ 4912.0ft (RKB-12')
Site Error:	0.0ft	North Reference:	True
Reference Well:	SRC Leffler 23-26NHZ	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	Landmark
Reference Design:	Plan #2 (8-08-13)	Offset TVD Reference:	Offset Datum

Offset Design SRC Leffler 14-26NHZ Pad Sec.26-T7N-R66W - SRC Leffler 24-26NHZ - Wellbore #1 - Plan #2 (8-08-13)													Offset Site Error:	0.0 ft
Survey Program: 0-MWD													Offset Well Error:	0.0 ft
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference	Offset	Semi Major Axis	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
5,100.0	5,039.0	5,072.9	4,975.0	15.9	20.1	96.94	96.94	126.2	876.0	287.3	262.1	25.19	11.404	
5,200.0	5,139.0	5,170.2	5,069.7	16.1	20.6	95.81	95.81	129.5	898.2	309.6	284.1	25.51	12.139	
5,300.0	5,239.0	5,267.5	5,164.3	16.2	21.1	94.84	94.84	132.7	920.4	332.1	306.2	25.85	12.846	
5,400.0	5,339.0	5,364.8	5,259.0	16.4	21.5	93.98	93.98	136.0	942.6	354.6	328.4	26.21	13.528	
5,500.0	5,439.0	5,462.1	5,353.7	16.6	22.0	93.23	93.23	139.3	964.8	377.2	350.6	26.59	14.185	
5,600.0	5,539.0	5,559.4	5,448.4	16.7	22.5	92.57	92.57	142.5	987.0	399.8	372.9	26.98	14.818	
5,700.0	5,639.0	5,656.7	5,543.1	16.9	23.0	91.98	91.98	145.8	1,009.3	422.5	395.2	27.39	15.428	
5,800.0	5,739.0	5,754.0	5,637.7	17.0	23.5	91.44	91.44	149.1	1,031.5	445.3	417.5	27.80	16.017	
5,900.0	5,839.0	5,869.7	5,750.8	17.2	23.9	90.92	90.92	152.7	1,055.7	466.1	437.9	28.22	16.517	
6,000.0	5,939.0	5,987.5	5,866.8	17.4	24.3	90.53	90.53	155.6	1,075.6	483.1	454.4	28.64	16.867	
6,100.0	6,039.0	6,106.8	5,985.1	17.5	24.6	90.25	90.25	157.9	1,091.1	496.0	466.9	29.06	17.069	
6,200.0	6,139.0	6,227.2	6,105.0	17.7	24.8	90.07	90.07	159.4	1,101.7	504.8	475.3	29.47	17.130	
6,300.0	6,239.0	6,348.3	6,226.0	17.8	25.0	89.97	89.97	160.3	1,107.3	509.5	479.6	29.87	17.054	
6,400.0	6,339.0	6,461.3	6,339.0	18.0	25.2	89.96	89.96	160.4	1,108.2	510.2	480.0	30.26	16.860	
6,500.0	6,439.0	6,561.3	6,439.0	18.2	25.3	89.96	89.96	160.4	1,108.2	510.2	479.6	30.64	16.651	
6,522.1	6,461.1	6,583.4	6,461.1	18.2	25.3	-89.73	-89.73	160.4	1,108.2	510.2	479.5	30.70	16.621	
6,600.0	6,539.0	6,661.1	6,538.8	18.4	25.4	-89.61	-89.61	159.0	1,108.2	510.2	479.2	31.00	16.462	
6,700.0	6,638.4	6,760.4	6,637.1	18.5	25.5	-89.29	-89.29	145.9	1,108.3	510.3	479.0	31.29	16.306	
6,800.0	6,735.4	6,859.3	6,732.4	18.6	25.5	-88.98	-88.98	119.5	1,108.5	510.3	478.8	31.52	16.192	
6,900.0	6,828.1	6,957.8	6,822.7	18.6	25.6	-88.69	-88.69	80.4	1,108.7	510.4	478.7	31.70	16.098	
7,000.0	6,914.6	7,056.1	6,906.6	18.7	25.6	-88.43	-88.43	29.5	1,109.0	510.4	478.5	31.91	15.993	
7,100.0	6,993.5	7,154.0	6,982.5	18.8	25.7	-88.20	-88.20	-32.3	1,109.3	510.5	478.2	32.23	15.840	
7,200.0	7,062.9	7,251.7	7,049.2	18.9	25.8	-88.01	-88.01	-103.6	1,109.7	510.5	477.8	32.73	15.600	
7,300.0	7,121.8	7,349.1	7,105.4	19.2	26.0	-87.85	-87.85	-183.1	1,110.2	510.6	477.1	33.49	15.246	
7,400.0	7,168.8	7,446.5	7,150.2	19.5	26.3	-87.73	-87.73	-269.4	1,110.6	510.6	476.0	34.58	14.766	
7,500.0	7,203.0	7,543.7	7,183.0	20.0	26.6	-87.66	-87.66	-360.8	1,111.2	510.6	474.6	36.02	14.177	
7,600.0	7,223.9	7,640.8	7,203.0	20.7	27.1	-87.63	-87.63	-455.8	1,111.7	510.6	472.8	37.80	13.511	
7,700.0	7,231.0	7,737.9	7,210.0	21.5	27.7	-87.64	-87.64	-552.6	1,112.2	510.6	470.8	39.86	12.810	
7,800.0	7,231.0	7,837.8	7,210.0	22.6	28.4	-87.64	-87.64	-652.5	1,112.8	510.6	468.5	42.14	12.118	
7,900.0	7,231.0	7,937.8	7,210.0	23.7	29.2	-87.64	-87.64	-752.5	1,113.4	510.6	466.0	44.62	11.444	
8,000.0	7,231.0	8,037.8	7,210.0	24.9	30.2	-87.64	-87.64	-852.5	1,113.9	510.6	463.3	47.28	10.799	
8,100.0	7,231.0	8,137.8	7,210.0	26.3	31.2	-87.64	-87.64	-952.5	1,114.5	510.6	460.5	50.10	10.191	
8,200.0	7,231.0	8,237.8	7,210.0	27.7	32.4	-87.64	-87.64	-1,052.5	1,115.0	510.6	457.6	53.05	9.625	
8,300.0	7,231.0	8,337.8	7,210.0	29.1	33.6	-87.64	-87.64	-1,152.5	1,115.6	510.6	454.5	56.11	9.100	
8,400.0	7,231.0	8,437.8	7,210.0	30.6	34.9	-87.64	-87.64	-1,252.5	1,116.2	510.6	451.3	59.26	8.616	
8,500.0	7,231.0	8,537.8	7,210.0	32.2	36.3	-87.64	-87.64	-1,352.5	1,116.7	510.6	448.1	62.49	8.171	
8,600.0	7,231.0	8,637.8	7,210.0	33.8	37.7	-87.64	-87.64	-1,452.5	1,117.3	510.6	444.8	65.79	7.761	
8,700.0	7,231.0	8,737.8	7,210.0	35.4	39.1	-87.64	-87.64	-1,552.5	1,117.8	510.6	441.5	69.14	7.385	
8,800.0	7,231.0	8,837.8	7,210.0	37.1	40.6	-87.64	-87.64	-1,652.5	1,118.4	510.6	438.1	72.54	7.039	
8,900.0	7,231.0	8,937.8	7,210.0	38.8	42.2	-87.64	-87.64	-1,752.5	1,119.0	510.6	434.6	75.99	6.719	
9,000.0	7,231.0	9,037.8	7,210.0	40.5	43.7	-87.64	-87.64	-1,852.5	1,119.5	510.6	431.1	79.47	6.425	
9,100.0	7,231.0	9,137.8	7,210.0	42.2	45.3	-87.64	-87.64	-1,952.5	1,120.1	510.6	427.6	82.98	6.153	
9,200.0	7,231.0	9,237.8	7,210.0	43.9	47.0	-87.64	-87.64	-2,052.5	1,120.7	510.6	424.1	86.53	5.901	
9,300.0	7,231.0	9,337.8	7,210.0	45.7	48.6	-87.64	-87.64	-2,152.5	1,121.2	510.6	420.5	90.09	5.667	
9,400.0	7,231.0	9,437.8	7,210.0	47.4	50.3	-87.64	-87.64	-2,252.5	1,121.8	510.6	416.9	93.68	5.450	
9,500.0	7,231.0	9,537.8	7,210.0	49.2	52.0	-87.64	-87.64	-2,352.5	1,122.3	510.6	413.3	97.29	5.248	
9,600.0	7,231.0	9,637.8	7,210.0	51.0	53.7	-87.64	-87.64	-2,452.5	1,122.9	510.6	409.6	100.92	5.059	
9,700.0	7,231.0	9,737.8	7,210.0	52.8	55.4	-87.64	-87.64	-2,552.5	1,123.5	510.6	406.0	104.57	4.883	
9,800.0	7,231.0	9,837.8	7,210.0	54.6	57.1	-87.64	-87.64	-2,652.5	1,124.0	510.6	402.3	108.22	4.718	
9,900.0	7,231.0	9,937.8	7,210.0	56.4	58.9	-87.64	-87.64	-2,752.5	1,124.6	510.6	398.7	111.90	4.563	
10,000.0	7,231.0	10,037.8	7,210.0	58.3	60.6	-87.64	-87.64	-2,852.5	1,125.1	510.6	395.0	115.58	4.417	

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

Company:	Synergy Resources	Local Co-ordinate Reference:	Well SRC Leffler 23-26NHZ
Project:	SEC.26-T7N-R66W	TVD Reference:	WELL @ 4912.0ft (RKB-12')
Reference Site:	SRC Leffler 14-26NHZ Pad Sec.26-T7N-R66W	MD Reference:	WELL @ 4912.0ft (RKB-12')
Site Error:	0.0ft	North Reference:	True
Reference Well:	SRC Leffler 23-26NHZ	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	Landmark
Reference Design:	Plan #2 (8-08-13)	Offset TVD Reference:	Offset Datum

Offset Design SRC Leffler 14-26NHZ Pad Sec.26-T7N-R66W - SRC Leffler 24-26NHZ - Wellbore #1 - Plan #2 (8-08-1												Offset Site Error:	0.0 ft
Survey Program: 0-MWD												Offset Well Error:	0.0 ft
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference	Offset	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
10,100.0	7,231.0	10,137.8	7,210.0	60.1	62.4	-87.64	-2,952.5	1,125.7	510.5	391.3	119.27	4.281	
10,200.0	7,231.0	10,237.8	7,210.0	61.9	64.1	-87.64	-3,052.5	1,126.3	510.5	387.6	122.97	4.152	
10,300.0	7,231.0	10,337.8	7,210.0	63.8	65.9	-87.64	-3,152.5	1,126.8	510.5	383.9	126.68	4.030	
10,400.0	7,231.0	10,437.8	7,210.0	65.6	67.7	-87.64	-3,252.5	1,127.4	510.5	380.1	130.40	3.915	
10,500.0	7,231.0	10,537.8	7,210.0	67.5	69.5	-87.64	-3,352.5	1,128.0	510.5	376.4	134.13	3.806	
10,600.0	7,231.0	10,637.8	7,210.0	69.3	71.3	-87.64	-3,452.5	1,128.5	510.5	372.7	137.86	3.703	
10,700.0	7,231.0	10,737.8	7,210.0	71.2	73.1	-87.64	-3,552.5	1,129.1	510.5	368.9	141.60	3.605	
10,800.0	7,231.0	10,837.8	7,210.0	73.0	74.9	-87.64	-3,652.5	1,129.6	510.5	365.2	145.35	3.512	
10,900.0	7,231.0	10,937.8	7,210.0	74.9	76.8	-87.64	-3,752.5	1,130.2	510.5	361.4	149.10	3.424	
11,000.0	7,231.0	11,037.8	7,210.0	76.8	78.6	-87.64	-3,852.5	1,130.8	510.5	357.7	152.85	3.340	
11,100.0	7,231.0	11,137.8	7,210.0	78.7	80.4	-87.64	-3,952.5	1,131.3	510.5	353.9	156.61	3.260	
11,200.0	7,231.0	11,237.8	7,210.0	80.5	82.3	-87.64	-4,052.5	1,131.9	510.5	350.1	160.38	3.183	
11,300.0	7,231.0	11,337.8	7,210.0	82.4	84.1	-87.64	-4,152.5	1,132.4	510.5	346.4	164.15	3.110	
11,400.0	7,231.0	11,437.8	7,210.0	84.3	85.9	-87.64	-4,252.5	1,133.0	510.5	342.6	167.92	3.040	
11,500.0	7,231.0	11,537.8	7,210.0	86.2	87.8	-87.64	-4,352.5	1,133.6	510.5	338.8	171.69	2.973	
11,600.0	7,231.0	11,637.8	7,210.0	88.0	89.6	-87.64	-4,452.5	1,134.1	510.5	335.0	175.47	2.909	
11,700.0	7,231.0	11,737.8	7,210.0	89.9	91.5	-87.64	-4,552.5	1,134.7	510.5	331.2	179.25	2.848	
11,757.5	7,231.0	11,795.3	7,210.0	91.0	92.6	-87.64	-4,610.0	1,135.0	510.5	329.1	181.43	2.814	
11,781.0	7,231.0	11,814.1	7,210.0	91.5	92.9	-87.64	-4,628.7	1,135.1	510.5	328.3	182.23	2.801 SF	

SRC Leffler 14-26NHZ Pad Sec.26-T7N-R66W - SRC Leffler B-26CHZ - Wellbore #1 - Plan #2 (8-08-13)												Offset Site Error:		0.0 ft
Survey Program: 0-MWD												Offset Well Error:		0.0 ft
Reference		Offset		Semi Major Axis			Distance		Between		Minimum	Separation	Warning	
Measured Depth	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset	Highside Toolface	Offset Wellbore Centre	+N/-S	+E/-W	Centres	Ellipses	Separation	Factor	
(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(°)	(ft)	(ft)	(ft)	(ft)	(ft)	(ft)		
0.0	0.0	0.0	0.0	0.0	0.0	-91.02	-0.4	-22.5	22.5					
100.0	100.0	100.0	100.0	0.1	0.1	-91.02	-0.4	-22.5	22.5	22.3		0.22	100.161	
200.0	200.0	200.0	200.0	0.3	0.3	-91.02	-0.4	-22.5	22.5	21.8		0.67	33.387	
300.0	300.0	300.0	300.0	0.6	0.6	-91.02	-0.4	-22.5	22.5	21.4		1.12	20.032	
400.0	400.0	400.0	400.0	0.8	0.8	-91.02	-0.4	-22.5	22.5	20.9		1.57	14.309	
500.0	500.0	500.0	500.0	1.0	1.0	-91.02	-0.4	-22.5	22.5	20.5		2.02	11.129	
600.0	600.0	600.0	600.0	1.2	1.2	-91.02	-0.4	-22.5	22.5	20.0		2.47	9.106	
700.0	700.0	700.0	700.0	1.5	1.5	-91.02	-0.4	-22.5	22.5	19.6		2.92	7.705	
800.0	800.0	800.0	800.0	1.7	1.7	-91.02	-0.4	-22.5	22.5	19.1		3.37	6.677	
900.0	900.0	900.0	900.0	1.9	1.9	-91.02	-0.4	-22.5	22.5	18.7		3.82	5.892	
1,000.0	1,000.0	1,000.0	1,000.0	2.1	2.1	-91.02	-0.4	-22.5	22.5	18.2		4.27	5.272	
1,100.0	1,100.0	1,100.0	1,100.0	2.4	2.4	-91.02	-0.4	-22.5	22.5	17.8		4.72	4.770	
1,200.0	1,200.0	1,200.0	1,200.0	2.6	2.6	-91.02	-0.4	-22.5	22.5	17.3		5.17	4.355	CC, ES
1,300.0	1,300.0	1,300.0	1,300.0	2.8	2.8	-167.03	-0.4	-22.5	24.2	18.6		5.61	4.318	
1,400.0	1,399.8	1,399.8	1,399.8	3.0	3.0	-169.30	-0.4	-22.5	29.3	23.3		6.03	4.863	
1,500.0	1,499.5	1,500.7	1,500.6	3.2	3.3	-170.77	0.4	-20.9	36.3	29.9		6.44	5.633	
1,600.0	1,598.7	1,601.7	1,601.5	3.5	3.5	-170.79	2.8	-16.2	43.4	36.6		6.85	6.346	
1,700.0	1,697.5	1,703.0	1,702.4	3.7	3.7	-169.96	6.9	-8.3	50.7	43.5		7.25	7.002	
1,800.0	1,795.6	1,802.8	1,801.6	4.0	3.9	-169.16	11.9	1.4	59.5	51.9		7.65	7.784	
1,900.0	1,893.4	1,902.2	1,900.4	4.4	4.2	-168.90	16.9	11.0	70.2	62.1		8.10	8.665	
2,000.0	1,991.2	2,001.6	1,999.3	4.7	4.4	-168.70	21.8	20.7	80.8	72.2		8.55	9.443	
2,100.0	2,089.0	2,101.1	2,098.1	5.1	4.7	-168.55	26.8	30.3	91.4	82.4		9.02	10.134	
2,200.0	2,186.8	2,200.5	2,197.0	5.5	4.9	-168.44	31.7	40.0	102.0	92.5		9.49	10.751	
2,300.0	2,284.6	2,299.9	2,295.8	5.9	5.2	-168.34	36.7	49.6	112.6	102.7		9.97	11.303	
2,400.0	2,382.4	2,399.4	2,394.7	6.3	5.5	-168.26	41.7	59.3	123.3	112.8		10.45	11.799	
2,500.0	2,480.1	2,498.8	2,493.5	6.7	5.7	-168.19	46.6	68.9	133.9	122.9		10.93	12.247	
2,600.0	2,577.9	2,598.2	2,592.3	7.1	6.0	-168.14	51.6	78.6	144.5	133.1		11.42	12.653	
2,700.0	2,675.7	2,697.7	2,691.2	7.6	6.3	-168.09	56.6	88.2	155.1	143.2		11.91	13.023	
2,800.0	2,773.5	2,797.1	2,790.0	8.0	6.6	-168.04	61.5	97.9	165.7	153.3		12.40	13.360	
2,900.0	2,871.3	2,896.5	2,888.9	8.4	6.9	-168.01	66.5	107.5	176.3	163.4		12.90	13.669	
3,000.0	2,969.1	2,996.0	2,987.7	8.9	7.1	-167.97	71.5	117.2	187.0	173.6		13.40	13.953	
3,100.0	3,066.9	3,095.4	3,086.5	9.3	7.4	-167.94	76.4	126.8	197.6	183.7		13.90	14.214	
3,200.0	3,164.7	3,194.8	3,185.4	9.7	7.7	-167.91	81.4	136.4	208.2	193.8		14.40	14.456	
3,300.0	3,262.4	3,294.3	3,284.2	10.2	8.0	-167.89	86.3	146.1	218.8	203.9		14.91	14.680	
3,400.0	3,360.2	3,393.7	3,383.1	10.6	8.3	-167.87	91.3	155.7	229.5	214.0		15.41	14.887	
3,500.0	3,458.0	3,493.1	3,481.9	11.1	8.6	-167.85	96.3	165.4	240.1	224.2		15.92	15.081	
3,600.0	3,555.8	3,592.6	3,580.7	11.5	8.9	-167.83	101.2	175.0	250.7	234.3		16.43	15.261	
3,700.0	3,653.6	3,692.0	3,679.6	12.0	9.2	-167.81	106.2	184.7	261.3	244.4		16.94	15.430	
3,800.0	3,751.4	3,791.5	3,778.4	12.4	9.4	-167.80	111.2	194.3	271.9	254.5		17.45	15.588	
3,900.0	3,849.2	3,890.9	3,877.3	12.8	9.7	-167.78	116.1	204.0	282.6	264.6		17.96	15.736	
4,000.0	3,947.0	3,990.3	3,976.1	13.3	10.0	-167.77	121.1	213.6	293.2	274.7		18.47	15.875	
4,100.0	4,044.7	4,089.8	4,074.9	13.7	10.3	-167.76	126.0	223.3	303.8	284.8		18.98	16.007	
4,200.0	4,142.6	4,189.2	4,173.8	14.2	10.6	-167.75	131.0	232.9	314.1	294.6		19.51	16.103	
4,300.0	4,241.0	4,288.9	4,272.9	14.5	10.9	-167.65	136.0	242.6	321.6	301.6		20.02	16.066	
4,400.0	4,340.0	4,388.8	4,372.2	14.8	11.2	-167.41	141.0	252.3	325.6	305.1		20.51	15.880	
4,500.0	4,439.4	4,488.8	4,471.6	15.0	11.5	-167.02	146.0	262.0	326.3	305.4		20.98	15.557	
4,600.0	4,539.1	4,588.7	4,570.9	15.2	11.8	-166.48	150.9	271.7	323.6	302.2		21.42	15.106	
4,700.0	4,639.0	4,680.9	4,662.7	15.4	12.0	-165.89	155.1	279.7	318.6	296.7		21.80	14.609	
4,800.0	4,739.0	4,771.8	4,753.3	15.5	12.2	-90.39	157.9	285.2	313.2	291.0		22.17	14.125	
4,900.0	4,839.0	4,862.9	4,844.4	15.6	12.4	-90.12	159.4	288.0	310.0	287.5		22.55	13.752	
4,985.4	4,924.4	4,942.9	4,924.4	15.8	12.5	-90.07	159.6	288.5	309.5	286.7		22.86	13.542	

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Company:	Synergy Resources	Local Co-ordinate Reference:	Well SRC Leffler 23-26NHZ
Project:	SEC.26-T7N-R66W	TVD Reference:	WELL @ 4912.0ft (RKB-12')
Reference Site:	SRC Leffler 14-26NHZ Pad Sec.26-T7N-R66W	MD Reference:	WELL @ 4912.0ft (RKB-12')
Site Error:	0.0ft	North Reference:	True
Reference Well:	SRC Leffler 23-26NHZ	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	Landmark
Reference Design:	Plan #2 (8-08-13)	Offset TVD Reference:	Offset Datum

Offset Design SRC Leffler 14-26NHZ Pad Sec.26-T7N-R66W - SRC Leffler B-26CHZ - Wellbore #1 - Plan #2 (8-08-13)													Offset Site Error:	0.0 ft
Survey Program: 0-MWD													Offset Well Error:	0.0 ft
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference	Offset	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning	
5,000.0	4,939.0	4,957.5	4,939.0	15.8	12.5	-90.07	159.6	288.5	309.5	286.6	22.91	13.509		
5,100.0	5,039.0	5,057.5	5,039.0	15.9	12.7	-90.07	159.6	288.5	309.5	286.2	23.30	13.282		
5,200.0	5,139.0	5,157.5	5,139.0	16.1	12.9	-90.07	159.6	288.5	309.5	285.8	23.70	13.057		
5,300.0	5,239.0	5,257.5	5,239.0	16.2	13.1	-90.07	159.6	288.5	309.5	285.4	24.11	12.840		
5,400.0	5,339.0	5,357.5	5,339.0	16.4	13.3	-90.07	159.6	288.5	309.5	285.0	24.51	12.629		
5,500.0	5,439.0	5,457.5	5,439.0	16.6	13.5	-90.07	159.6	288.5	309.5	284.6	24.91	12.423		
5,600.0	5,539.0	5,557.5	5,539.0	16.7	13.7	-90.07	159.6	288.5	309.5	284.2	25.32	12.224		
5,700.0	5,639.0	5,657.5	5,639.0	16.9	13.9	-90.07	159.6	288.5	309.5	283.8	25.73	12.030		
5,800.0	5,739.0	5,757.5	5,739.0	17.0	14.1	-90.07	159.6	288.5	309.5	283.4	26.14	11.842		
5,900.0	5,839.0	5,857.5	5,839.0	17.2	14.3	-90.07	159.6	288.5	309.5	283.0	26.55	11.659		
6,000.0	5,939.0	5,957.5	5,939.0	17.4	14.5	-90.07	159.6	288.5	309.5	282.6	26.96	11.481		
6,100.0	6,039.0	6,057.5	6,039.0	17.5	14.7	-90.07	159.6	288.5	309.5	282.1	27.37	11.307		
6,200.0	6,139.0	6,157.5	6,139.0	17.7	14.9	-90.07	159.6	288.5	309.5	281.7	27.79	11.139		
6,300.0	6,239.0	6,257.5	6,239.0	17.8	15.1	-90.07	159.6	288.5	309.5	281.3	28.20	10.975		
6,400.0	6,339.0	6,357.5	6,339.0	18.0	15.3	-90.07	159.6	288.5	309.5	280.9	28.62	10.815		
6,500.0	6,439.0	6,457.5	6,439.0	18.2	15.5	-90.07	159.6	288.5	309.5	280.5	29.03	10.660		
6,557.6	6,496.6	6,515.1	6,496.6	18.3	15.6	90.35	159.6	288.5	309.5	280.3	29.26	10.577		
6,600.0	6,539.0	6,557.5	6,539.0	18.4	15.7	90.33	159.6	288.5	309.5	280.1	29.44	10.515		
6,700.0	6,638.4	6,656.9	6,638.4	18.5	15.9	92.20	159.6	288.5	309.7	279.9	29.89	10.363		
6,800.0	6,735.4	6,756.6	6,738.1	18.6	16.0	96.11	157.4	288.5	311.4	281.0	30.39	10.245		
6,900.0	6,828.1	6,860.6	6,840.7	18.6	16.2	100.18	141.7	288.6	314.7	284.0	30.75	10.234		
7,000.0	6,914.6	6,968.3	6,943.6	18.7	16.3	104.04	110.0	288.8	319.5	288.6	30.93	10.331		
7,100.0	6,993.5	7,080.2	7,044.1	18.8	16.4	107.59	61.2	289.0	325.3	294.4	30.94	10.516		
7,200.0	7,062.9	7,196.1	7,139.0	18.9	16.5	110.74	-5.3	289.4	331.6	300.8	30.88	10.740		
7,300.0	7,121.8	7,316.1	7,224.5	19.2	16.7	113.42	-89.2	289.9	337.9	307.0	30.95	10.919		
7,400.0	7,168.8	7,439.9	7,296.8	19.5	17.0	115.56	-189.5	290.4	343.6	312.2	31.37	10.953		
7,500.0	7,203.0	7,566.7	7,351.8	20.0	17.7	117.12	-303.6	291.1	348.0	315.7	32.36	10.754		
7,600.0	7,223.9	7,695.8	7,386.3	20.7	18.7	118.05	-427.8	291.8	350.8	316.8	34.06	10.299		
7,700.0	7,231.0	7,825.9	7,398.0	21.5	19.9	118.35	-557.1	292.5	351.7	315.3	36.48	9.641		
7,731.8	7,231.0	7,857.6	7,398.0	21.9	20.3	118.34	-588.9	292.7	351.7	314.6	37.15	9.469		
7,800.0	7,231.0	7,925.9	7,398.0	22.6	21.1	118.34	-657.1	293.0	351.7	313.2	38.59	9.114		
7,900.0	7,231.0	8,025.9	7,398.0	23.7	22.3	118.34	-757.1	293.6	351.8	310.9	40.88	8.606		
8,000.0	7,231.0	8,125.9	7,398.0	24.9	23.7	118.34	-857.1	294.1	351.8	308.4	43.32	8.121		
8,100.0	7,231.0	8,225.9	7,398.0	26.3	25.1	118.34	-957.1	294.7	351.8	305.9	45.89	7.666		
8,200.0	7,231.0	8,325.9	7,398.0	27.7	26.5	118.34	-1,057.1	295.3	351.8	303.2	48.57	7.243		
8,300.0	7,231.0	8,425.9	7,398.0	29.1	28.1	118.34	-1,157.1	295.8	351.8	300.4	51.35	6.851		
8,400.0	7,231.0	8,525.9	7,398.0	30.6	29.6	118.34	-1,257.1	296.4	351.8	297.6	54.20	6.491		
8,500.0	7,231.0	8,625.9	7,398.0	32.2	31.2	118.34	-1,357.1	296.9	351.8	294.7	57.12	6.159		
8,600.0	7,231.0	8,725.9	7,398.0	33.8	32.9	118.34	-1,457.1	297.5	351.8	291.7	60.10	5.853		
8,700.0	7,231.0	8,825.9	7,398.0	35.4	34.6	118.34	-1,557.1	298.0	351.8	288.7	63.13	5.573		
8,800.0	7,231.0	8,925.9	7,398.0	37.1	36.3	118.34	-1,657.1	298.6	351.8	285.6	66.20	5.314		
8,900.0	7,231.0	9,025.9	7,398.0	38.8	38.0	118.34	-1,757.1	299.2	351.8	282.5	69.31	5.076		
9,000.0	7,231.0	9,125.9	7,398.0	40.5	39.7	118.34	-1,857.1	299.7	351.8	279.4	72.45	4.856		
9,100.0	7,231.0	9,225.9	7,398.0	42.2	41.5	118.34	-1,957.1	300.3	351.8	276.2	75.62	4.653		
9,200.0	7,231.0	9,325.9	7,398.0	43.9	43.3	118.33	-2,057.1	300.8	351.9	273.0	78.82	4.464		
9,300.0	7,231.0	9,425.9	7,398.0	45.7	45.0	118.33	-2,157.1	301.4	351.9	269.8	82.03	4.289		
9,400.0	7,231.0	9,525.9	7,398.0	47.4	46.8	118.33	-2,257.1	301.9	351.9	266.6	85.27	4.127		
9,500.0	7,231.0	9,625.9	7,398.0	49.2	48.6	118.33	-2,357.1	302.5	351.9	263.4	88.52	3.975		
9,600.0	7,231.0	9,725.9	7,398.0	51.0	50.5	118.33	-2,457.1	303.0	351.9	260.1	91.79	3.834		
9,700.0	7,231.0	9,825.9	7,398.0	52.8	52.3	118.33	-2,557.1	303.6	351.9	256.8	95.07	3.701		
9,800.0	7,231.0	9,925.9	7,398.0	54.6	54.1	118.33	-2,657.1	304.2	351.9	253.5	98.36	3.578		

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 Leffler 23-26NHZ
Project:	SEC.26-T7N-R66W	TVD Reference:	WELL @ 4912.0ft (RKB-12')
Reference Site:	SRC Leffler 14-26NHZ Pad Sec.26-T7N-R66W	MD Reference:	WELL @ 4912.0ft (RKB-12')
Site Error:	0.0ft	North Reference:	True
Reference Well:	SRC Leffler 23-26NHZ	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	Landmark
Reference Design:	Plan #2 (8-08-13)	Offset TVD Reference:	Offset Datum

Offset Design SRC Leffler 14-26NHZ Pad Sec.26-T7N-R66W - SRC Leffler B-26CHZ - Wellbore #1 - Plan #2 (8-08-13)												Offset Site Error:	0.0 ft
Survey Program: 0-MWD												Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance				Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)		+N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	
9,900.0	7,231.0	10,025.9	7,398.0	56.4	55.9	118.33	-2,757.1	304.7	351.9	250.2	101.67	3.461	
10,000.0	7,231.0	10,125.9	7,398.0	58.3	57.8	118.33	-2,857.1	305.3	351.9	246.9	104.99	3.352	
10,100.0	7,231.0	10,225.9	7,398.0	60.1	59.6	118.33	-2,957.1	305.8	351.9	243.6	108.31	3.249	
10,200.0	7,231.0	10,325.9	7,398.0	61.9	61.5	118.33	-3,057.1	306.4	351.9	240.3	111.64	3.152	
10,300.0	7,231.0	10,425.9	7,398.0	63.8	63.3	118.33	-3,157.1	306.9	351.9	237.0	114.98	3.061	
10,400.0	7,231.0	10,525.9	7,398.0	65.6	65.2	118.33	-3,257.1	307.5	351.9	233.6	118.33	2.974	
10,500.0	7,231.0	10,625.9	7,398.0	67.5	67.1	118.33	-3,357.1	308.0	352.0	230.3	121.69	2.892	
10,600.0	7,231.0	10,725.9	7,398.0	69.3	68.9	118.33	-3,457.1	308.6	352.0	226.9	125.05	2.815	
10,700.0	7,231.0	10,825.9	7,398.0	71.2	70.8	118.32	-3,557.1	309.2	352.0	223.6	128.41	2.741	
10,800.0	7,231.0	10,925.9	7,398.0	73.0	72.7	118.32	-3,657.1	309.7	352.0	220.2	131.78	2.671	
10,900.0	7,231.0	11,025.9	7,398.0	74.9	74.5	118.32	-3,757.1	310.3	352.0	216.8	135.16	2.604	
11,000.0	7,231.0	11,125.9	7,398.0	76.8	76.4	118.32	-3,857.1	310.8	352.0	213.5	138.54	2.541	
11,100.0	7,231.0	11,225.9	7,398.0	78.7	78.3	118.32	-3,957.1	311.4	352.0	210.1	141.92	2.480	
11,200.0	7,231.0	11,325.9	7,398.0	80.5	80.2	118.32	-4,057.1	311.9	352.0	206.7	145.31	2.422	
11,300.0	7,231.0	11,425.9	7,398.0	82.4	82.1	118.32	-4,157.1	312.5	352.0	203.3	148.70	2.367	
11,400.0	7,231.0	11,525.9	7,398.0	84.3	84.0	118.32	-4,257.1	313.1	352.0	199.9	152.10	2.314	
11,500.0	7,231.0	11,625.9	7,398.0	86.2	85.9	118.32	-4,357.1	313.6	352.0	196.5	155.50	2.264	
11,600.0	7,231.0	11,725.9	7,398.0	88.0	87.7	118.32	-4,457.1	314.2	352.0	193.1	158.90	2.216	
11,700.0	7,231.0	11,825.9	7,398.0	89.9	89.6	118.32	-4,557.1	314.7	352.0	189.7	162.30	2.169	
11,781.0	7,231.0	11,906.9	7,398.0	91.5	91.2	118.32	-4,638.1	315.2	352.1	187.0	165.06	2.133 SF	

Company:	Synergy Resources	Local Co-ordinate Reference:	Well SRC Leffler 23-26NHZ
Project:	SEC.26-T7N-R66W	TVD Reference:	WELL @ 4912.0ft (RKB-12')
Reference Site:	SRC Leffler 14-26NHZ Pad Sec.26-T7N-R66W	MD Reference:	WELL @ 4912.0ft (RKB-12')
Site Error:	0.0ft	North Reference:	True
Reference Well:	SRC Leffler 23-26NHZ	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	Landmark
Reference Design:	Plan #2 (8-08-13)	Offset TVD Reference:	Offset Datum

Offset Design SRC Leffler 14-26NHZ Pad Sec.26-T7N-R66W - SRC Leffler P-26NHZ - Wellbore #1 - Plan #3 (8-08-13)													Offset Site Error:	0.0 ft
Survey Program: 0-MWD													Offset Well Error:	0.0 ft
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference	Offset	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning	
0.0	0.0	0.0	0.0	0.0	0.0	89.11	1.0	67.5	67.5					
100.0	100.0	100.0	100.0	0.1	0.1	89.11	1.0	67.5	67.5	67.3	0.22	300.471		
200.0	200.0	200.0	200.0	0.3	0.3	89.11	1.0	67.5	67.5	66.9	0.67	100.157 CC, ES		
300.0	300.0	297.7	297.6	0.6	0.5	88.99	1.2	69.2	69.2	68.1	1.11	62.360		
400.0	400.0	395.1	395.0	0.8	0.8	88.65	1.7	74.1	74.3	72.8	1.55	47.835		
500.0	500.0	492.1	491.6	1.0	1.0	88.18	2.6	82.3	82.8	80.8	2.02	40.980		
600.0	600.0	588.4	587.2	1.2	1.3	87.66	3.8	93.7	94.6	92.1	2.52	37.597		
700.0	700.0	683.9	681.6	1.5	1.6	87.16	5.4	108.1	109.8	106.7	3.05	35.994		
800.0	800.0	778.3	774.3	1.7	2.0	86.71	7.2	125.4	128.2	124.5	3.62	35.382		
900.0	900.0	871.4	865.2	1.9	2.4	86.32	9.3	145.4	149.8	145.5	4.24	35.333		
1,000.0	1,000.0	963.1	954.1	2.1	2.8	86.00	11.8	168.0	174.5	169.6	4.90	35.645		
1,100.0	1,100.0	1,058.5	1,046.0	2.4	3.3	85.72	14.5	193.4	201.3	195.7	5.61	35.864		
1,200.0	1,200.0	1,154.8	1,138.8	2.6	3.8	85.51	17.2	219.1	228.2	221.8	6.35	35.943		
1,300.0	1,300.0	1,251.6	1,232.0	2.8	4.4	10.30	20.0	245.0	253.3	247.6	5.75	44.068		
1,400.0	1,399.8	1,349.1	1,326.0	3.0	4.9	10.28	22.7	271.0	275.2	269.0	6.22	44.277		
1,500.0	1,499.5	1,447.4	1,420.7	3.2	5.5	10.38	25.5	297.2	293.7	287.0	6.69	43.892		
1,600.0	1,598.7	1,546.2	1,515.9	3.5	6.0	10.60	28.3	323.6	308.8	301.6	7.17	43.051		
1,700.0	1,697.5	1,645.5	1,611.5	3.7	6.6	10.92	31.2	350.1	320.5	312.8	7.66	41.844		
1,800.0	1,795.6	1,745.2	1,707.5	4.0	7.1	11.34	34.0	376.7	328.8	320.6	8.15	40.338		
1,900.0	1,893.4	1,844.9	1,803.5	4.4	7.7	11.84	36.8	403.3	335.3	326.6	8.67	38.664		
2,000.0	1,991.2	1,944.6	1,899.6	4.7	8.3	12.32	39.7	430.0	341.8	332.6	9.20	37.146		
2,100.0	2,089.0	2,044.4	1,995.7	5.1	8.8	12.79	42.5	456.6	348.4	338.6	9.74	35.770		
2,200.0	2,186.8	2,144.1	2,091.8	5.5	9.4	13.23	45.4	483.2	354.9	344.7	10.28	34.518		
2,300.0	2,284.6	2,243.9	2,187.9	5.9	10.0	13.66	48.2	509.8	361.5	350.7	10.83	33.376		
2,400.0	2,382.4	2,343.6	2,284.0	6.3	10.5	14.08	51.0	536.5	368.2	356.8	11.39	32.329		
2,500.0	2,480.1	2,443.4	2,380.1	6.7	11.1	14.48	53.9	563.1	374.8	362.8	11.95	31.368		
2,600.0	2,577.9	2,543.1	2,476.1	7.1	11.7	14.87	56.7	589.7	381.4	368.9	12.51	30.483		
2,700.0	2,675.7	2,642.9	2,572.2	7.6	12.3	15.24	59.5	616.4	388.1	375.0	13.08	29.665		
2,800.0	2,773.5	2,742.6	2,668.3	8.0	12.8	15.60	62.4	643.0	394.8	381.1	13.66	28.907		
2,900.0	2,871.3	2,842.4	2,764.4	8.4	13.4	15.95	65.2	669.6	401.5	387.3	14.24	28.203		
3,000.0	2,969.1	2,942.1	2,860.5	8.9	14.0	16.28	68.1	696.2	408.2	393.4	14.82	27.547		
3,100.0	3,066.9	3,041.8	2,956.6	9.3	14.5	16.61	70.9	722.9	414.9	399.5	15.40	26.936		
3,200.0	3,164.7	3,141.6	3,052.6	9.7	15.1	16.93	73.7	749.5	421.7	405.7	15.99	26.364		
3,300.0	3,262.4	3,241.3	3,148.7	10.2	15.7	17.23	76.6	776.1	428.4	411.8	16.59	25.829		
3,400.0	3,360.2	3,341.1	3,244.8	10.6	16.3	17.53	79.4	802.7	435.2	418.0	17.18	25.326		
3,500.0	3,458.0	3,440.8	3,340.9	11.1	16.8	17.81	82.3	829.4	442.0	424.2	17.78	24.853		
3,600.0	3,555.8	3,540.6	3,437.0	11.5	17.4	18.09	85.1	856.0	448.8	430.4	18.39	24.408		
3,700.0	3,653.6	3,640.3	3,533.1	12.0	18.0	18.36	87.9	882.6	455.6	436.6	18.99	23.988		
3,800.0	3,751.4	3,740.1	3,629.2	12.4	18.5	18.63	90.8	909.2	462.4	442.8	19.60	23.591		
3,900.0	3,849.2	3,839.8	3,725.2	12.8	19.1	18.88	93.6	935.9	469.2	449.0	20.21	23.215		
4,000.0	3,947.0	3,939.6	3,821.3	13.3	19.7	19.13	96.4	962.5	476.0	455.2	20.82	22.859		
4,100.0	4,044.7	4,039.3	3,917.4	13.7	20.3	19.37	99.3	989.1	482.8	461.4	21.44	22.521		
4,200.0	4,142.6	4,139.0	4,013.5	14.2	20.8	19.61	102.1	1,015.7	490.0	467.9	22.05	22.225		
4,300.0	4,241.0	4,238.5	4,109.3	14.5	21.4	19.78	105.0	1,042.3	499.9	477.3	22.59	22.131		
4,400.0	4,340.0	4,337.7	4,204.8	14.8	22.0	19.83	107.8	1,068.8	513.0	489.9	23.08	22.231		
4,500.0	4,439.4	4,436.3	4,299.8	15.0	22.5	19.78	110.6	1,095.1	529.4	505.9	23.51	22.514		
4,600.0	4,539.1	4,534.3	4,394.2	15.2	23.1	19.64	113.4	1,121.3	549.0	525.1	23.90	22.971		
4,700.0	4,639.0	4,631.6	4,487.9	15.4	23.7	19.42	116.1	1,147.2	571.9	547.7	24.24	23.597		
4,800.0	4,739.0	4,728.1	4,580.9	15.5	24.2	19.09	118.9	1,173.0	597.7	573.1	24.62	24.281		
4,900.0	4,839.0	4,824.4	4,673.7	15.6	24.8	19.66	121.6	1,198.7	624.2	599.2	25.03	24.940		
5,000.0	4,939.0	4,920.7	4,766.5	15.8	25.3	19.26	124.4	1,224.4	650.7	625.3	25.45	25.572		

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

Company:	Synergy Resources	Local Co-ordinate Reference:	Well SRC Leffler 23-26NHZ
Project:	SEC.26-T7N-R66W	TVD Reference:	WELL @ 4912.0ft (RKB-12')
Reference Site:	SRC Leffler 14-26NHZ Pad Sec.26-T7N-R66W	MD Reference:	WELL @ 4912.0ft (RKB-12')
Site Error:	0.0ft	North Reference:	True
Reference Well:	SRC Leffler 23-26NHZ	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	Landmark
Reference Design:	Plan #2 (8-08-13)	Offset TVD Reference:	Offset Datum

Offset Design SRC Leffler 14-26NHZ Pad Sec.26-T7N-R66W - SRC Leffler P-26NHZ - Wellbore #1 - Plan #3 (8-08-13)													Offset Site Error:	0.0 ft
Survey Program: 0-MWD													Offset Well Error:	0.0 ft
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference	Offset	Semi Major Axis	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
5,100.0	5,039.0	5,017.1	4,859.3	15.9	25.9	92.89		127.1	1,250.1	677.2	651.4	25.87	26.179	
5,200.0	5,139.0	5,113.4	4,952.1	16.1	26.4	92.55		129.8	1,275.8	703.8	677.5	26.30	26.761	
5,300.0	5,239.0	5,209.7	5,044.9	16.2	27.0	92.23		132.6	1,301.6	730.4	703.6	26.73	27.320	
5,400.0	5,339.0	5,306.1	5,137.7	16.4	27.5	91.94		135.3	1,327.3	757.0	729.8	27.17	27.857	
5,500.0	5,439.0	5,402.4	5,230.5	16.6	28.1	91.66		138.1	1,353.0	783.6	756.0	27.62	28.374	
5,600.0	5,539.0	5,498.7	5,323.2	16.7	28.6	91.41		140.8	1,378.7	810.2	782.1	28.06	28.871	
5,700.0	5,639.0	5,595.0	5,416.0	16.9	29.2	91.17		143.6	1,404.4	836.8	808.3	28.51	29.350	
5,800.0	5,739.0	5,691.4	5,508.8	17.0	29.7	90.94		146.3	1,430.1	863.5	834.5	28.97	29.811	
5,900.0	5,839.0	5,787.7	5,601.6	17.2	30.3	90.73		149.0	1,455.8	890.1	860.7	29.42	30.256	
6,000.0	5,939.0	5,914.7	5,724.4	17.4	30.9	90.48		152.5	1,488.2	915.7	885.8	29.93	30.592	
6,100.0	6,039.0	6,058.8	5,865.2	17.5	31.4	90.27		155.7	1,518.4	936.7	906.3	30.44	30.774	
6,200.0	6,139.0	6,205.6	6,010.1	17.7	31.9	90.11		158.2	1,542.0	952.8	921.9	30.93	30.804	
6,300.0	6,239.0	6,354.6	6,158.1	17.8	32.2	90.00		160.0	1,558.4	963.8	932.4	31.40	30.694	
6,400.0	6,339.0	6,504.8	6,308.1	18.0	32.4	89.95		160.9	1,567.1	969.6	937.7	31.85	30.446	
6,500.0	6,439.0	6,635.8	6,439.0	18.2	32.6	89.94		161.0	1,568.5	970.5	938.3	32.25	30.094	
6,600.0	6,539.0	6,735.8	6,539.0	18.4	32.6	-89.76		161.0	1,568.5	970.5	938.0	32.57	29.795	
6,655.5	6,594.4	6,791.1	6,594.4	18.4	32.7	-90.00		161.0	1,568.5	970.5	937.8	32.72	29.666	
6,700.0	6,638.4	6,835.3	6,638.6	18.5	32.7	-90.35		160.7	1,568.5	970.5	937.7	32.81	29.580	
6,800.0	6,735.4	6,936.2	6,738.8	18.6	32.8	-91.19		150.7	1,568.6	970.7	937.8	32.96	29.449	
6,900.0	6,828.1	7,039.1	6,838.7	18.6	32.9	-92.01		126.1	1,568.7	971.1	938.0	33.09	29.344	
7,000.0	6,914.6	7,144.3	6,936.0	18.7	32.9	-92.81		86.4	1,568.9	971.7	938.4	33.26	29.213	
7,100.0	6,993.5	7,251.7	7,028.3	18.8	33.0	-93.55		31.7	1,569.2	972.4	938.9	33.53	28.999	
7,200.0	7,062.9	7,361.2	7,112.9	18.9	33.0	-94.23		-37.7	1,569.6	973.2	939.2	33.97	28.647	
7,300.0	7,121.8	7,472.8	7,187.1	19.2	33.1	-94.82		-120.8	1,570.1	973.9	939.3	34.64	28.113	
7,400.0	7,168.8	7,586.1	7,248.5	19.5	33.3	-95.31		-216.0	1,570.6	974.7	939.1	35.59	27.384	
7,500.0	7,203.0	7,701.0	7,294.5	20.0	33.6	-95.69		-321.0	1,571.2	975.3	938.4	36.84	26.474	
7,600.0	7,223.9	7,816.9	7,323.4	20.7	34.0	-95.94		-433.2	1,571.8	975.7	937.3	38.39	25.413	
7,700.0	7,231.0	7,933.5	7,333.9	21.5	34.5	-96.05		-549.2	1,572.4	975.8	935.6	40.22	24.264	
7,800.0	7,231.0	8,037.2	7,331.5	22.6	35.1	-95.91		-652.8	1,573.0	975.6	933.1	42.46	22.976	
7,900.0	7,231.0	8,137.1	7,328.7	23.7	35.7	-95.75		-752.8	1,573.6	975.3	930.4	44.89	21.728	
8,000.0	7,231.0	8,237.1	7,326.0	24.9	36.5	-95.59		-852.7	1,574.1	975.0	927.5	47.50	20.525	
8,100.0	7,231.0	8,337.1	7,323.2	26.3	37.3	-95.43		-952.6	1,574.7	974.7	924.4	50.28	19.386	
8,200.0	7,231.0	8,437.0	7,320.4	27.7	38.3	-95.27		-1,052.5	1,575.2	974.5	921.3	53.19	18.320	
8,300.0	7,231.0	8,537.0	7,317.7	29.1	39.3	-95.11		-1,152.5	1,575.8	974.2	918.0	56.22	17.328	
8,400.0	7,231.0	8,636.9	7,314.9	30.6	40.3	-94.94		-1,252.4	1,576.3	973.9	914.6	59.34	16.411	
8,500.0	7,231.0	8,736.9	7,312.2	32.2	41.5	-94.78		-1,352.3	1,576.8	973.7	911.1	62.55	15.566	
8,600.0	7,231.0	8,836.9	7,309.4	33.8	42.7	-94.62		-1,452.2	1,577.4	973.4	907.6	65.83	14.787	
8,700.0	7,231.0	8,936.8	7,306.7	35.4	44.0	-94.46		-1,552.1	1,577.9	973.2	904.0	69.17	14.069	
8,800.0	7,231.0	9,036.8	7,303.9	37.1	45.3	-94.30		-1,652.1	1,578.5	973.0	900.4	72.57	13.408	
8,900.0	7,231.0	9,136.8	7,301.1	38.8	46.6	-94.14		-1,752.0	1,579.0	972.8	896.8	76.01	12.798	
9,000.0	7,231.0	9,236.7	7,298.4	40.5	48.1	-93.97		-1,851.9	1,579.6	972.6	893.1	79.49	12.235	
9,100.0	7,231.0	9,336.7	7,295.6	42.2	49.5	-93.81		-1,951.8	1,580.1	972.4	889.4	83.00	11.715	
9,200.0	7,231.0	9,436.6	7,292.9	43.9	51.0	-93.65		-2,051.8	1,580.7	972.2	885.6	86.55	11.232	
9,300.0	7,231.0	9,536.6	7,290.1	45.7	52.5	-93.49		-2,151.7	1,581.2	972.0	881.8	90.12	10.785	
9,400.0	7,231.0	9,636.6	7,287.4	47.4	54.0	-93.33		-2,251.6	1,581.8	971.8	878.1	93.72	10.369	
9,500.0	7,231.0	9,736.5	7,284.6	49.2	55.6	-93.16		-2,351.5	1,582.3	971.6	874.3	97.34	9.982	
9,600.0	7,231.0	9,836.5	7,281.9	51.0	57.2	-93.00		-2,451.4	1,582.9	971.5	870.5	100.98	9.621	
9,700.0	7,231.0	9,936.4	7,279.1	52.8	58.8	-92.84		-2,551.4	1,583.4	971.3	866.7	104.63	9.283	
9,800.0	7,231.0	10,036.4	7,276.3	54.6	60.4	-92.68		-2,651.3	1,584.0	971.2	862.9	108.30	8.967	
9,900.0	7,231.0	10,136.4	7,273.6	56.4	62.0	-92.51		-2,751.2	1,584.5	971.0	859.0	111.99	8.671	
10,000.0	7,231.0	10,236.3	7,270.8	58.3	63.7	-92.35		-2,851.1	1,585.1	970.9	855.2	115.68	8.392	

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

Offset Design										SRC Leffler 14-26NHZ Pad Sec.26-T7N-R66W - SRC Leffler P-26NHZ - Wellbore #1 - Plan #3 (8-08-13)				Offset Site Error:		0.0 ft
Survey Program: 0-MWD														Offset Well Error:		0.0 ft
Reference		Offset		Semi Major Axis			Distance							Warning		
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor				
10,100.0	7,231.0	10,336.3	7,268.1	60.1	65.4	-92.19	-2,951.1	1,585.6	970.8	851.4	119.39	8.131				
10,200.0	7,231.0	10,436.3	7,265.3	61.9	67.1	-92.03	-3,051.0	1,586.2	970.6	847.5	123.11	7.884				
10,300.0	7,231.0	10,536.2	7,262.6	63.8	68.8	-91.86	-3,150.9	1,586.7	970.5	843.7	126.84	7.652				
10,400.0	7,231.0	10,636.2	7,259.8	65.6	70.5	-91.70	-3,250.8	1,587.3	970.4	839.9	130.58	7.432				
10,500.0	7,231.0	10,736.1	7,257.0	67.5	72.2	-91.54	-3,350.7	1,587.8	970.3	836.0	134.32	7.224				
10,600.0	7,231.0	10,836.1	7,254.3	69.3	74.0	-91.38	-3,450.7	1,588.4	970.3	832.2	138.07	7.027				
10,700.0	7,231.0	10,936.1	7,251.5	71.2	75.7	-91.21	-3,550.6	1,588.9	970.2	828.4	141.83	6.841				
10,800.0	7,231.0	11,036.0	7,248.8	73.0	77.5	-91.05	-3,650.5	1,589.5	970.1	824.5	145.59	6.663				
10,900.0	7,231.0	11,136.0	7,246.0	74.9	79.2	-90.89	-3,750.4	1,590.0	970.0	820.7	149.35	6.495				
11,000.0	7,231.0	11,236.0	7,243.3	76.8	81.0	-90.72	-3,850.4	1,590.6	970.0	816.9	153.13	6.335				
11,100.0	7,231.0	11,335.9	7,240.5	78.7	82.8	-90.56	-3,950.3	1,591.1	969.9	813.0	156.90	6.182				
11,200.0	7,231.0	11,435.9	7,237.8	80.5	84.6	-90.40	-4,050.2	1,591.7	969.9	809.2	160.68	6.036				
11,300.0	7,231.0	11,535.8	7,235.0	82.4	86.3	-90.24	-4,150.1	1,592.2	969.9	805.4	164.46	5.897				
11,400.0	7,231.0	11,635.8	7,232.2	84.3	88.1	-90.07	-4,250.0	1,592.8	969.9	801.6	168.25	5.764				
11,500.0	7,231.0	11,735.8	7,229.5	86.2	89.9	-89.91	-4,350.0	1,593.3	969.8	797.8	172.04	5.637				
11,600.0	7,231.0	11,835.7	7,226.7	88.0	91.7	-89.75	-4,449.9	1,593.9	969.8	794.0	175.83	5.516				
11,636.5	7,231.0	11,872.3	7,225.7	88.7	92.4	-89.69	-4,486.4	1,594.1	969.8	792.6	177.21	5.473				
11,700.0	7,231.0	11,935.7	7,224.0	89.9	93.6	-89.58	-4,549.8	1,594.4	969.8	790.2	179.62	5.399				
11,744.5	7,231.0	11,980.2	7,222.7	90.8	94.4	-89.51	-4,594.3	1,594.7	969.8	788.5	181.31	5.349				
11,781.0	7,231.0	12,007.3	7,222.0	91.5	94.9	-89.47	-4,621.4	1,594.8	969.9	787.4	182.51	5.314 SF				

Company:	Synergy Resources	Local Co-ordinate Reference:	Well SRC Leffler 23-26NHZ
Project:	SEC.26-T7N-R66W	TVD Reference:	WELL @ 4912.0ft (RKB-12')
Reference Site:	SRC Leffler 14-26NHZ Pad Sec.26-T7N-R66W	MD Reference:	WELL @ 4912.0ft (RKB-12')
Site Error:	0.0ft	North Reference:	True
Reference Well:	SRC Leffler 23-26NHZ	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	Landmark
Reference Design:	Plan #2 (8-08-13)	Offset TVD Reference:	Offset Datum

Reference Depths are relative to WELL @ 4912.0ft (RKB-12')

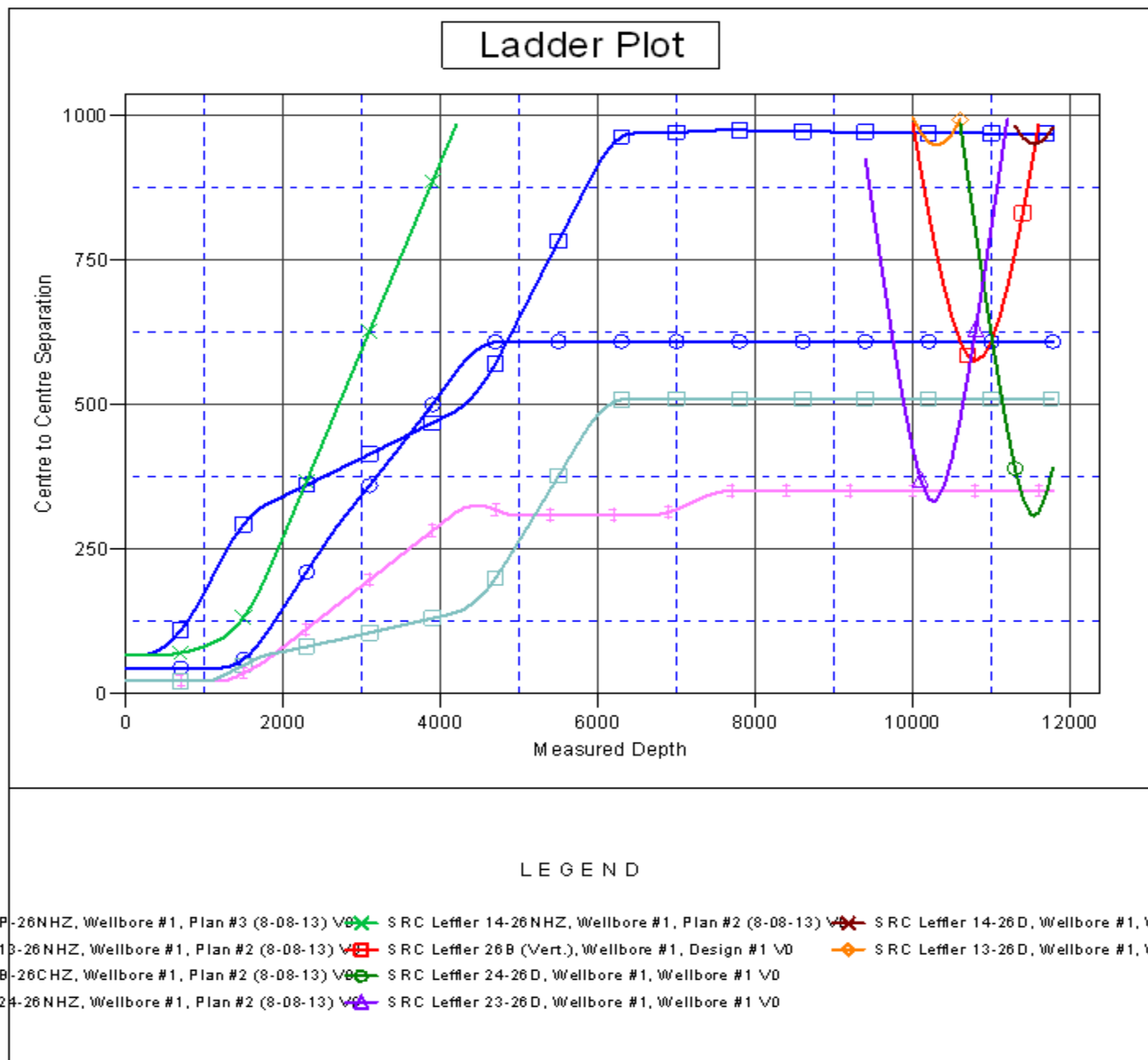
Offset Depths are relative to Offset Datum

Central Meridian is -105.500000 °

Coordinates are relative to: SRC Leffler 23-26NHZ

Coordinate System is US State Plane 1983, Colorado Northern Zone

Grid Convergence at Surface is: 0.48°



Reference Depths are relative to WELL @ 4912.0ft (RKB-12')
Offset Depths are relative to Offset Datum
Central Meridian is -105.500000 °

Coordinates are relative to: SRC Leffler 23-26NHZ
Coordinate System is US State Plane 1983, Colorado Northern Zone
Grid Convergence at Surface is: 0.48°

