

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	700.0	0.00	0.00	700.0	0.0	0.0	0.00	0.00	0.0	
3	1258.6	5.59	326.68	1257.7	22.7	-14.9	1.00	326.68	27.2	
4	7580.9	5.59	326.68	7550.0	537.0	-353.0	0.00	0.00	642.6	TARGET BHL 1989'FSL, 663'FWL



Directional

Synergy Resources

SEC.26-T7N-R66W

SRC Leffler 13-26D Pad Sec.26-T7N-R66W

SRC Leffler 13-26D

Wellbore #1

Plan: Plan #1 (6-29-11)

Standard Planning Report

30 June, 2011

Database:	Landmark	Local Co-ordinate Reference:	Well SRC Leffler 13-26D
Company:	Synergy Resources	TVD Reference:	WELL @ 4883.0ft (Original Well Elev)
Project:	SEC.26-T7N-R66W	MD Reference:	WELL @ 4883.0ft (Original Well Elev)
Site:	SRC Leffler 13-26D Pad Sec.26-T7N-R66W	North Reference:	True
Well:	SRC Leffler 13-26D	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan #1 (6-29-11)		

Project	SEC.26-T7N-R66W, Weld County, Colorado		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		Using Well Reference Point
Map Zone:	Colorado Northern Zone		Using geodetic scale factor

Site	SRC Leffler 13-26D Pad Sec.26-T7N-R66W				
Site Position:		Northing:	1,441,456.48 ft	Latitude:	40.542782
From:	Lat/Long	Easting:	3,208,286.93 ft	Longitude:	-104.750552
Position Uncertainty:	0.0 ft	Slot Radius:	"	Grid Convergence:	0.48 °

Well	SRC Leffler 13-26D					
Well Position	+N/-S	0.0 ft	Northing:	1,441,456.46 ft	Latitude:	40.542782
	+E/-W	0.0 ft	Easting:	3,208,286.93 ft	Longitude:	-104.750552
Position Uncertainty		0.0 ft	Wellhead Elevation:	ft	Ground Level:	4,870.0 ft

Wellbore	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	6/29/2011	8.86	67.17	53,203

Design	Plan #1 (6-29-11)			
Audit Notes:				
Version:	Phase:	PROTOTYPE	Tie On Depth:	0.0
Vertical Section:	Depth From (TVD)	+N/-S (ft)	+E/-W (ft)	Direction (°)
	0.0	0.0	0.0	326.68

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	
700.0	0.00	0.00	700.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,258.6	5.59	326.68	1,257.7	22.7	-14.9	1.00	1.00	0.00	326.68	
7,580.9	5.59	326.68	7,550.0	537.0	-353.0	0.00	0.00	0.00	0.00	TARGET BHL 1989

Database: Landmark
Company: Synergy Resources
Project: SEC.26-T7N-R66W
Site: SRC Leffler 13-26D Pad Sec.26-T7N-R66W
Well: SRC Leffler 13-26D
Wellbore: Wellbore #1
Design: Plan #1 (6-29-11)

Local Co-ordinate Reference: Well SRC Leffler 13-26D
TVD Reference: WELL @ 4883.0ft (Original Well Elev)
MD Reference: WELL @ 4883.0ft (Original Well Elev)
North Reference: True
Survey Calculation Method: Minimum Curvature

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
40.0	0.00	0.00	40.0	0.0	0.0	0.0	0.00	0.00	0.00
80.0	0.00	0.00	80.0	0.0	0.0	0.0	0.00	0.00	0.00
120.0	0.00	0.00	120.0	0.0	0.0	0.0	0.00	0.00	0.00
160.0	0.00	0.00	160.0	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
240.0	0.00	0.00	240.0	0.0	0.0	0.0	0.00	0.00	0.00
280.0	0.00	0.00	280.0	0.0	0.0	0.0	0.00	0.00	0.00
320.0	0.00	0.00	320.0	0.0	0.0	0.0	0.00	0.00	0.00
360.0	0.00	0.00	360.0	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
8 5/8"									
440.0	0.00	0.00	440.0	0.0	0.0	0.0	0.00	0.00	0.00
480.0	0.00	0.00	480.0	0.0	0.0	0.0	0.00	0.00	0.00
520.0	0.00	0.00	520.0	0.0	0.0	0.0	0.00	0.00	0.00
560.0	0.00	0.00	560.0	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
640.0	0.00	0.00	640.0	0.0	0.0	0.0	0.00	0.00	0.00
680.0	0.00	0.00	680.0	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
720.0	0.20	326.68	720.0	0.0	0.0	0.0	1.00	1.00	0.00
760.0	0.60	326.68	760.0	0.3	-0.2	0.3	1.00	1.00	0.00
800.0	1.00	326.68	800.0	0.7	-0.5	0.9	1.00	1.00	0.00
840.0	1.40	326.68	840.0	1.4	-0.9	1.7	1.00	1.00	0.00
880.0	1.80	326.68	880.0	2.4	-1.6	2.8	1.00	1.00	0.00
920.0	2.20	326.68	919.9	3.5	-2.3	4.2	1.00	1.00	0.00
960.0	2.60	326.68	959.9	4.9	-3.2	5.9	1.00	1.00	0.00
1,000.0	3.00	326.68	999.9	6.6	-4.3	7.9	1.00	1.00	0.00
1,040.0	3.40	326.68	1,039.8	8.4	-5.5	10.1	1.00	1.00	0.00
1,080.0	3.80	326.68	1,079.7	10.5	-6.9	12.6	1.00	1.00	0.00
1,120.0	4.20	326.68	1,119.6	12.9	-8.5	15.4	1.00	1.00	0.00
1,160.0	4.60	326.68	1,159.5	15.4	-10.1	18.5	1.00	1.00	0.00
1,200.0	5.00	326.68	1,199.4	18.2	-12.0	21.8	1.00	1.00	0.00
1,240.0	5.40	326.68	1,239.2	21.2	-14.0	25.4	1.00	1.00	0.00
1,258.6	5.59	326.68	1,257.7	22.7	-14.9	27.2	1.00	1.00	0.00
1,280.0	5.59	326.68	1,279.0	24.5	-16.1	29.3	0.00	0.00	0.00
1,320.0	5.59	326.68	1,318.8	27.7	-18.2	33.2	0.00	0.00	0.00
1,360.0	5.59	326.68	1,358.6	31.0	-20.4	37.1	0.00	0.00	0.00
1,400.0	5.59	326.68	1,398.4	34.2	-22.5	41.0	0.00	0.00	0.00
1,440.0	5.59	326.68	1,438.3	37.5	-24.6	44.9	0.00	0.00	0.00
1,480.0	5.59	326.68	1,478.1	40.7	-26.8	48.8	0.00	0.00	0.00
1,520.0	5.59	326.68	1,517.9	44.0	-28.9	52.7	0.00	0.00	0.00
1,560.0	5.59	326.68	1,557.7	47.3	-31.1	56.5	0.00	0.00	0.00
1,600.0	5.59	326.68	1,597.5	50.5	-33.2	60.4	0.00	0.00	0.00
1,640.0	5.59	326.68	1,637.3	53.8	-35.3	64.3	0.00	0.00	0.00
1,680.0	5.59	326.68	1,677.1	57.0	-37.5	68.2	0.00	0.00	0.00
1,720.0	5.59	326.68	1,716.9	60.3	-39.6	72.1	0.00	0.00	0.00
1,760.0	5.59	326.68	1,756.7	63.5	-41.8	76.0	0.00	0.00	0.00
1,800.0	5.59	326.68	1,796.5	66.8	-43.9	79.9	0.00	0.00	0.00
1,840.0	5.59	326.68	1,836.4	70.0	-46.0	83.8	0.00	0.00	0.00
1,880.0	5.59	326.68	1,876.2	73.3	-48.2	87.7	0.00	0.00	0.00
1,920.0	5.59	326.68	1,916.0	76.5	-50.3	91.6	0.00	0.00	0.00
1,960.0	5.59	326.68	1,955.8	79.8	-52.4	95.5	0.00	0.00	0.00
2,000.0	5.59	326.68	1,995.6	83.0	-54.6	99.4	0.00	0.00	0.00

Database: Landmark
Company: Synergy Resources
Project: SEC.26-T7N-R66W
Site: SRC Leffler 13-26D Pad Sec.26-T7N-R66W
Well: SRC Leffler 13-26D
Wellbore: Wellbore #1
Design: Plan #1 (6-29-11)

Local Co-ordinate Reference: Well SRC Leffler 13-26D
TVD Reference: WELL @ 4883.0ft (Original Well Elev)
MD Reference: WELL @ 4883.0ft (Original Well Elev)
North Reference: True
Survey Calculation Method: Minimum Curvature

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)
2,040.0	5.59	326.68	2,035.4	86.3	-56.7	103.3	0.00	0.00	0.00
2,080.0	5.59	326.68	2,075.2	89.6	-58.9	107.2	0.00	0.00	0.00
2,120.0	5.59	326.68	2,115.0	92.8	-61.0	111.1	0.00	0.00	0.00
2,160.0	5.59	326.68	2,154.8	96.1	-63.1	115.0	0.00	0.00	0.00
2,200.0	5.59	326.68	2,194.6	99.3	-65.3	118.8	0.00	0.00	0.00
2,240.0	5.59	326.68	2,234.5	102.6	-67.4	122.7	0.00	0.00	0.00
2,280.0	5.59	326.68	2,274.3	105.8	-69.6	126.6	0.00	0.00	0.00
2,320.0	5.59	326.68	2,314.1	109.1	-71.7	130.5	0.00	0.00	0.00
2,360.0	5.59	326.68	2,353.9	112.3	-73.8	134.4	0.00	0.00	0.00
2,400.0	5.59	326.68	2,393.7	115.6	-76.0	138.3	0.00	0.00	0.00
2,440.0	5.59	326.68	2,433.5	118.8	-78.1	142.2	0.00	0.00	0.00
2,480.0	5.59	326.68	2,473.3	122.1	-80.2	146.1	0.00	0.00	0.00
2,520.0	5.59	326.68	2,513.1	125.3	-82.4	150.0	0.00	0.00	0.00
2,560.0	5.59	326.68	2,552.9	128.6	-84.5	153.9	0.00	0.00	0.00
2,600.0	5.59	326.68	2,592.7	131.9	-86.7	157.8	0.00	0.00	0.00
2,640.0	5.59	326.68	2,632.6	135.1	-88.8	161.7	0.00	0.00	0.00
2,680.0	5.59	326.68	2,672.4	138.4	-90.9	165.6	0.00	0.00	0.00
2,720.0	5.59	326.68	2,712.2	141.6	-93.1	169.5	0.00	0.00	0.00
2,760.0	5.59	326.68	2,752.0	144.9	-95.2	173.4	0.00	0.00	0.00
2,800.0	5.59	326.68	2,791.8	148.1	-97.4	177.3	0.00	0.00	0.00
2,840.0	5.59	326.68	2,831.6	151.4	-99.5	181.1	0.00	0.00	0.00
2,880.0	5.59	326.68	2,871.4	154.6	-101.6	185.0	0.00	0.00	0.00
2,920.0	5.59	326.68	2,911.2	157.9	-103.8	188.9	0.00	0.00	0.00
2,960.0	5.59	326.68	2,951.0	161.1	-105.9	192.8	0.00	0.00	0.00
3,000.0	5.59	326.68	2,990.8	164.4	-108.0	196.7	0.00	0.00	0.00
3,040.0	5.59	326.68	3,030.7	167.6	-110.2	200.6	0.00	0.00	0.00
3,080.0	5.59	326.68	3,070.5	170.9	-112.3	204.5	0.00	0.00	0.00
3,120.0	5.59	326.68	3,110.3	174.2	-114.5	208.4	0.00	0.00	0.00
3,160.0	5.59	326.68	3,150.1	177.4	-116.6	212.3	0.00	0.00	0.00
3,200.0	5.59	326.68	3,189.9	180.7	-118.7	216.2	0.00	0.00	0.00
3,240.0	5.59	326.68	3,229.7	183.9	-120.9	220.1	0.00	0.00	0.00
3,280.0	5.59	326.68	3,269.5	187.2	-123.0	224.0	0.00	0.00	0.00
3,320.0	5.59	326.68	3,309.3	190.4	-125.2	227.9	0.00	0.00	0.00
3,360.0	5.59	326.68	3,349.1	193.7	-127.3	231.8	0.00	0.00	0.00
3,400.0	5.59	326.68	3,388.9	196.9	-129.4	235.7	0.00	0.00	0.00
3,440.0	5.59	326.68	3,428.8	200.2	-131.6	239.6	0.00	0.00	0.00
3,480.0	5.59	326.68	3,468.6	203.4	-133.7	243.4	0.00	0.00	0.00
3,520.0	5.59	326.68	3,508.4	206.7	-135.8	247.3	0.00	0.00	0.00
3,560.0	5.59	326.68	3,548.2	209.9	-138.0	251.2	0.00	0.00	0.00
3,600.0	5.59	326.68	3,588.0	213.2	-140.1	255.1	0.00	0.00	0.00
3,640.0	5.59	326.68	3,627.8	216.5	-142.3	259.0	0.00	0.00	0.00
3,680.0	5.59	326.68	3,667.6	219.7	-144.4	262.9	0.00	0.00	0.00
3,720.0	5.59	326.68	3,707.4	223.0	-146.5	266.8	0.00	0.00	0.00
3,760.0	5.59	326.68	3,747.2	226.2	-148.7	270.7	0.00	0.00	0.00
3,800.0	5.59	326.68	3,787.0	229.5	-150.8	274.6	0.00	0.00	0.00
3,840.0	5.59	326.68	3,826.9	232.7	-153.0	278.5	0.00	0.00	0.00
3,880.0	5.59	326.68	3,866.7	236.0	-155.1	282.4	0.00	0.00	0.00
3,920.0	5.59	326.68	3,906.5	239.2	-157.2	286.3	0.00	0.00	0.00
3,960.0	5.59	326.68	3,946.3	242.5	-159.4	290.2	0.00	0.00	0.00
4,000.0	5.59	326.68	3,986.1	245.7	-161.5	294.1	0.00	0.00	0.00
4,040.0	5.59	326.68	4,025.9	249.0	-163.7	298.0	0.00	0.00	0.00
4,080.0	5.59	326.68	4,065.7	252.2	-165.8	301.9	0.00	0.00	0.00
4,120.0	5.59	326.68	4,105.5	255.5	-167.9	305.7	0.00	0.00	0.00
4,160.0	5.59	326.68	4,145.3	258.8	-170.1	309.6	0.00	0.00	0.00

Database: Landmark
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Project: SEC.26-T7N-R66W
Site: SRC Leffler 13-26D Pad Sec.26-T7N-R66W
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MD Reference: WELL @ 4883.0ft (Original Well Elev)
North Reference: True
Survey Calculation Method: Minimum Curvature

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)
4,200.0	5.59	326.68	4,185.1	262.0	-172.2	313.5	0.00	0.00	0.00
4,240.0	5.59	326.68	4,225.0	265.3	-174.3	317.4	0.00	0.00	0.00
4,280.0	5.59	326.68	4,264.8	268.5	-176.5	321.3	0.00	0.00	0.00
4,320.0	5.59	326.68	4,304.6	271.8	-178.6	325.2	0.00	0.00	0.00
4,360.0	5.59	326.68	4,344.4	275.0	-180.8	329.1	0.00	0.00	0.00
4,400.0	5.59	326.68	4,384.2	278.3	-182.9	333.0	0.00	0.00	0.00
4,440.0	5.59	326.68	4,424.0	281.5	-185.0	336.9	0.00	0.00	0.00
4,480.0	5.59	326.68	4,463.8	284.8	-187.2	340.8	0.00	0.00	0.00
4,520.0	5.59	326.68	4,503.6	288.0	-189.3	344.7	0.00	0.00	0.00
4,560.0	5.59	326.68	4,543.4	291.3	-191.5	348.6	0.00	0.00	0.00
4,600.0	5.59	326.68	4,583.2	294.5	-193.6	352.5	0.00	0.00	0.00
4,640.0	5.59	326.68	4,623.1	297.8	-195.7	356.4	0.00	0.00	0.00
4,680.0	5.59	326.68	4,662.9	301.1	-197.9	360.3	0.00	0.00	0.00
4,720.0	5.59	326.68	4,702.7	304.3	-200.0	364.2	0.00	0.00	0.00
4,760.0	5.59	326.68	4,742.5	307.6	-202.1	368.0	0.00	0.00	0.00
4,800.0	5.59	326.68	4,782.3	310.8	-204.3	371.9	0.00	0.00	0.00
4,840.0	5.59	326.68	4,822.1	314.1	-206.4	375.8	0.00	0.00	0.00
4,880.0	5.59	326.68	4,861.9	317.3	-208.6	379.7	0.00	0.00	0.00
4,920.0	5.59	326.68	4,901.7	320.6	-210.7	383.6	0.00	0.00	0.00
4,960.0	5.59	326.68	4,941.5	323.8	-212.8	387.5	0.00	0.00	0.00
5,000.0	5.59	326.68	4,981.3	327.1	-215.0	391.4	0.00	0.00	0.00
5,040.0	5.59	326.68	5,021.2	330.3	-217.1	395.3	0.00	0.00	0.00
5,080.0	5.59	326.68	5,061.0	333.6	-219.3	399.2	0.00	0.00	0.00
5,120.0	5.59	326.68	5,100.8	336.8	-221.4	403.1	0.00	0.00	0.00
5,160.0	5.59	326.68	5,140.6	340.1	-223.5	407.0	0.00	0.00	0.00
5,200.0	5.59	326.68	5,180.4	343.4	-225.7	410.9	0.00	0.00	0.00
5,240.0	5.59	326.68	5,220.2	346.6	-227.8	414.8	0.00	0.00	0.00
5,280.0	5.59	326.68	5,260.0	349.9	-229.9	418.7	0.00	0.00	0.00
5,320.0	5.59	326.68	5,299.8	353.1	-232.1	422.6	0.00	0.00	0.00
5,360.0	5.59	326.68	5,339.6	356.4	-234.2	426.5	0.00	0.00	0.00
5,400.0	5.59	326.68	5,379.4	359.6	-236.4	430.3	0.00	0.00	0.00
5,440.0	5.59	326.68	5,419.3	362.9	-238.5	434.2	0.00	0.00	0.00
5,480.0	5.59	326.68	5,459.1	366.1	-240.6	438.1	0.00	0.00	0.00
5,520.0	5.59	326.68	5,498.9	369.4	-242.8	442.0	0.00	0.00	0.00
5,560.0	5.59	326.68	5,538.7	372.6	-244.9	445.9	0.00	0.00	0.00
5,600.0	5.59	326.68	5,578.5	375.9	-247.1	449.8	0.00	0.00	0.00
5,640.0	5.59	326.68	5,618.3	379.1	-249.2	453.7	0.00	0.00	0.00
5,680.0	5.59	326.68	5,658.1	382.4	-251.3	457.6	0.00	0.00	0.00
5,720.0	5.59	326.68	5,697.9	385.7	-253.5	461.5	0.00	0.00	0.00
5,760.0	5.59	326.68	5,737.7	388.9	-255.6	465.4	0.00	0.00	0.00
5,800.0	5.59	326.68	5,777.5	392.2	-257.8	469.3	0.00	0.00	0.00
5,840.0	5.59	326.68	5,817.4	395.4	-259.9	473.2	0.00	0.00	0.00
5,880.0	5.59	326.68	5,857.2	398.7	-262.0	477.1	0.00	0.00	0.00
5,920.0	5.59	326.68	5,897.0	401.9	-264.2	481.0	0.00	0.00	0.00
5,960.0	5.59	326.68	5,936.8	405.2	-266.3	484.9	0.00	0.00	0.00
6,000.0	5.59	326.68	5,976.6	408.4	-268.4	488.8	0.00	0.00	0.00
6,040.0	5.59	326.68	6,016.4	411.7	-270.6	492.6	0.00	0.00	0.00
6,080.0	5.59	326.68	6,056.2	414.9	-272.7	496.5	0.00	0.00	0.00
6,120.0	5.59	326.68	6,096.0	418.2	-274.9	500.4	0.00	0.00	0.00
6,160.0	5.59	326.68	6,135.8	421.4	-277.0	504.3	0.00	0.00	0.00
6,200.0	5.59	326.68	6,175.6	424.7	-279.1	508.2	0.00	0.00	0.00
6,240.0	5.59	326.68	6,215.5	428.0	-281.3	512.1	0.00	0.00	0.00
6,280.0	5.59	326.68	6,255.3	431.2	-283.4	516.0	0.00	0.00	0.00
6,320.0	5.59	326.68	6,295.1	434.5	-285.6	519.9	0.00	0.00	0.00

Database: Landmark
Company: Synergy Resources
Project: SEC.26-T7N-R66W
Site: SRC Leffler 13-26D Pad Sec.26-T7N-R66W
Well: SRC Leffler 13-26D
Wellbore: Wellbore #1
Design: Plan #1 (6-29-11)

Local Co-ordinate Reference: Well SRC Leffler 13-26D
TVD Reference: WELL @ 4883.0ft (Original Well Elev)
MD Reference: WELL @ 4883.0ft (Original Well Elev)
North Reference: True
Survey Calculation Method: Minimum Curvature

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)
6,360.0	5.59	326.68	6,334.9	437.7	-287.7	523.8	0.00	0.00	0.00
6,400.0	5.59	326.68	6,374.7	441.0	-289.8	527.7	0.00	0.00	0.00
6,440.0	5.59	326.68	6,414.5	444.2	-292.0	531.6	0.00	0.00	0.00
6,480.0	5.59	326.68	6,454.3	447.5	-294.1	535.5	0.00	0.00	0.00
6,520.0	5.59	326.68	6,494.1	450.7	-296.2	539.4	0.00	0.00	0.00
6,560.0	5.59	326.68	6,533.9	454.0	-298.4	543.3	0.00	0.00	0.00
6,600.0	5.59	326.68	6,573.7	457.2	-300.5	547.2	0.00	0.00	0.00
6,640.0	5.59	326.68	6,613.6	460.5	-302.7	551.1	0.00	0.00	0.00
6,680.0	5.59	326.68	6,653.4	463.7	-304.8	554.9	0.00	0.00	0.00
6,720.0	5.59	326.68	6,693.2	467.0	-306.9	558.8	0.00	0.00	0.00
6,734.9	5.59	326.68	6,708.1	468.2	-307.7	560.3	0.00	0.00	0.00
LEGAL BOX 400' X 400' 1989'FSL & 663'FWL									
6,760.0	5.59	326.68	6,733.0	470.3	-309.1	562.7	0.00	0.00	0.00
6,800.0	5.59	326.68	6,772.8	473.5	-311.2	566.6	0.00	0.00	0.00
6,840.0	5.59	326.68	6,812.6	476.8	-313.4	570.5	0.00	0.00	0.00
6,880.0	5.59	326.68	6,852.4	480.0	-315.5	574.4	0.00	0.00	0.00
6,920.0	5.59	326.68	6,892.2	483.3	-317.6	578.3	0.00	0.00	0.00
6,960.0	5.59	326.68	6,932.0	486.5	-319.8	582.2	0.00	0.00	0.00
7,000.0	5.59	326.68	6,971.8	489.8	-321.9	586.1	0.00	0.00	0.00
7,040.0	5.59	326.68	7,011.7	493.0	-324.0	590.0	0.00	0.00	0.00
7,080.0	5.59	326.68	7,051.5	496.3	-326.2	593.9	0.00	0.00	0.00
7,120.0	5.59	326.68	7,091.3	499.5	-328.3	597.8	0.00	0.00	0.00
7,160.0	5.59	326.68	7,131.1	502.8	-330.5	601.7	0.00	0.00	0.00
7,200.0	5.59	326.68	7,170.9	506.0	-332.6	605.6	0.00	0.00	0.00
7,240.0	5.59	326.68	7,210.7	509.3	-334.7	609.5	0.00	0.00	0.00
7,280.0	5.59	326.68	7,250.5	512.6	-336.9	613.4	0.00	0.00	0.00
7,320.0	5.59	326.68	7,290.3	515.8	-339.0	617.2	0.00	0.00	0.00
7,360.0	5.59	326.68	7,330.1	519.1	-341.2	621.1	0.00	0.00	0.00
7,400.0	5.59	326.68	7,369.9	522.3	-343.3	625.0	0.00	0.00	0.00
7,440.0	5.59	326.68	7,409.8	525.6	-345.4	628.9	0.00	0.00	0.00
7,480.0	5.59	326.68	7,449.6	528.8	-347.6	632.8	0.00	0.00	0.00
7,520.0	5.59	326.68	7,489.4	532.1	-349.7	636.7	0.00	0.00	0.00
7,560.0	5.59	326.68	7,529.2	535.3	-351.8	640.6	0.00	0.00	0.00
7,580.9	5.59	326.68	7,550.0	537.0	-353.0	642.6	0.00	0.00	0.00
TARGET BHL 1989'FSL, 663'FWL									

Targets

Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (ft)	Easting (ft)	Latitude	Longitude
- hit/miss target									
- Shape									
TARGET BHL 1989'F	0.00	0.00	7,550.0	537.0	-353.0	1,441,990.48	3,207,929.45	40.544256	-104.751822
- plan hits target center									
- Point									
LEGAL BOX 400' X 400'	0.00	0.00	6,700.0	537.0	-353.0	1,441,990.46	3,207,929.42	40.544256	-104.751822
- plan misses target center by 82.7ft at 6734.9ft MD (6708.1 TVD, 468.2 N, -307.7 E)									
- Rectangle (sides W400.0 H400.0 D850.0)									

Database: Landmark
Company: Synergy Resources
Project: SEC.26-T7N-R66W
Site: SRC Leffler 13-26D Pad Sec.26-T7N-R66W
Well: SRC Leffler 13-26D
Wellbore: Wellbore #1
Design: Plan #1 (6-29-11)

Local Co-ordinate Reference: Well SRC Leffler 13-26D
TVD Reference: WELL @ 4883.0ft (Original Well Elev)
MD Reference: WELL @ 4883.0ft (Original Well Elev)
North Reference: True
Survey Calculation Method: Minimum Curvature

Casing Points

Measured Depth (ft)	Vertical Depth (ft)	Name	Casing Diameter (")	Hole Diameter (")
400.0	400.0	8 5/8"	8-5/8	12-1/4



Directional

Synergy Resources

SEC.26-T7N-R66W

SRC Leffler 13-26D Pad Sec.26-T7N-R66W

SRC Leffler 13-26D

Wellbore #1

Plan #1 (6-29-11)

Anticollision Report

30 June, 2011

Company:	Synergy Resources	Local Co-ordinate Reference:	Well SRC Leffler 13-26D
Project:	SEC.26-T7N-R66W	TVD Reference:	WELL @ 4883.0ft (Original Well Elev)
Reference Site:	SRC Leffler 13-26D Pad Sec.26-T7N-R66W	MD Reference:	WELL @ 4883.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	SRC Leffler 13-26D	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 #1 (6-29-11)	Offset TVD Reference:	Offset Datum

Reference	Plan #1 (6-29-11)
Filter type:	NO GLOBAL FILTER: Using user defined selection & filtering criteria
Interpolation Method:	Stations
Depth Range:	Unlimited
Results Limited by:	Maximum center-center distance of 10,000.0ft
Warning Levels Evaluated at:	2.00 Sigma
Error Model:	ISCWSA
Scan Method:	Closest Approach 3D
Error Surface:	Elliptical Conic

Survey Tool Program		Date	6/30/2011		
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description	
0.0	7,580.0	Plan #1 (6-29-11) (Wellbore #1)	MWD	MWD - Standard	

Summary						
Site Name	Reference Measured Depth (ft)	Offset Measured Depth (ft)	Distance Between Centres (ft)	Separation Factor	Warning	
Offset Well - Wellbore - Design						
SRC Leffler 13-26D Pad Sec.26-T7N-R66W						
SRC Leffler 14-26D - Wellbore #1 - Plan #1 (6-28-11)	700.0	701.0	20.0	17.1	6.844	CC, ES
SRC Leffler 14-26D - Wellbore #1 - Plan #1 (6-28-11)	900.0	901.0	22.1	18.3	5.785	SF

Offset Design	SRC Leffler 13-26D Pad Sec.26-T7N-R66W - SRC Leffler 14-26D - Wellbore #1 - Plan #1 (6-28-11)										Offset Site Error:	0.0 ft
Survey Program:	0-MWD										Offset Well Error:	0.0 ft
Reference	Offset	Semi Major Axis	Highside	Offset Wellbore Centre	Distance	Minimum	Separation	Warning				
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Toolface (°)	+N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Separation (ft)	Factor
0.0	0.0	1.0	1.0	0.0	0.0	88.93	0.4	20.0	20.0	20.0	0.00	N/A
100.0	100.0	101.0	101.0	0.1	0.1	88.93	0.4	20.0	20.0	19.8	0.23	88.165
200.0	200.0	201.0	201.0	0.3	0.3	88.93	0.4	20.0	20.0	19.3	0.68	29.584
300.0	300.0	301.0	301.0	0.6	0.6	88.93	0.4	20.0	20.0	18.9	1.13	17.774
400.0	400.0	401.0	401.0	0.8	0.8	88.93	0.4	20.0	20.0	18.4	1.58	12.703
500.0	500.0	501.0	501.0	1.0	1.0	88.93	0.4	20.0	20.0	18.0	2.03	9.883
600.0	600.0	601.0	601.0	1.2	1.2	88.93	0.4	20.0	20.0	17.5	2.47	8.088
700.0	700.0	701.0	701.0	1.5	1.5	88.93	0.4	20.0	20.0	17.1	2.92	6.844 CC, ES
800.0	800.0	801.0	801.0	1.7	1.7	124.31	0.4	20.0	20.5	17.1	3.37	6.079
900.0	900.0	901.0	901.0	1.9	1.9	129.92	0.4	20.0	22.1	18.3	3.82	5.785 SF
1,000.0	999.9	1,000.9	1,000.9	2.1	2.1	139.56	-0.4	19.6	25.0	20.7	4.23	5.892
1,100.0	1,099.7	1,100.6	1,100.6	2.4	2.3	152.18	-2.8	18.5	29.9	25.3	4.63	6.460
1,200.0	1,199.4	1,200.0	1,199.9	2.6	2.5	164.28	-6.8	16.7	38.0	33.0	5.04	7.541
1,258.6	1,257.7	1,257.9	1,257.7	2.7	2.6	170.30	-9.8	15.3	44.4	39.1	5.29	8.397
1,300.0	1,298.9	1,298.7	1,298.4	2.8	2.7	173.99	-12.2	14.2	49.5	44.1	5.47	9.060
1,400.0	1,398.4	1,397.1	1,396.5	3.1	2.9	-178.73	-19.2	11.0	63.1	57.2	5.90	10.693
1,500.0	1,498.0	1,494.9	1,493.9	3.4	3.1	-173.10	-27.6	7.0	78.4	72.0	6.35	12.349
1,600.0	1,597.5	1,592.3	1,590.6	3.6	3.3	-168.59	-37.5	2.5	95.3	88.5	6.80	14.009
1,700.0	1,697.0	1,689.1	1,686.6	3.9	3.6	-164.87	-48.9	-2.8	113.9	106.6	7.27	15.666
1,800.0	1,796.5	1,786.9	1,783.5	4.2	3.9	-161.92	-61.1	-8.4	133.4	125.7	7.74	17.235
1,900.0	1,896.1	1,884.8	1,880.4	4.4	4.2	-159.72	-73.3	-14.1	153.2	145.0	8.22	18.650
2,000.0	1,995.6	1,982.7	1,977.4	4.7	4.4	-158.03	-85.5	-19.8	173.2	164.5	8.70	19.920
2,100.0	2,095.1	2,080.5	2,074.3	5.0	4.7	-156.68	-97.8	-25.4	193.3	184.1	9.18	21.064
2,200.0	2,194.6	2,178.4	2,171.2	5.3	5.0	-155.59	-110.0	-31.1	213.5	203.8	9.66	22.096
2,300.0	2,294.2	2,276.3	2,268.2	5.5	5.4	-154.69	-122.2	-36.7	233.7	223.6	10.15	23.031

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

Company: Synergy Resources
Project: SEC.26-T7N-R66W
Reference Site: SRC Leffler 13-26D Pad Sec.26-T7N-R66W
Site Error: 0.0ft
Reference Well: SRC Leffler 13-26D
Well Error: 0.0ft
Reference Wellbore: Wellbore #1
Reference Design: Plan #1 (6-29-11)

Local Co-ordinate Reference: Well SRC Leffler 13-26D
TVD Reference: WELL @ 4883.0ft (Original Well Elev)
MD Reference: WELL @ 4883.0ft (Original Well Elev)
North Reference: True
Survey Calculation Method: Minimum Curvature
Output errors are at 2.00 sigma
Database: Landmark
Offset TVD Reference: Offset Datum

Offset Design SRC Leffler 13-26D Pad Sec.26-T7N-R66W - SRC Leffler 14-26D - Wellbore #1 - Plan #1 (6-28-11)														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)	Semi Major Axis Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Distance Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning		
2,400.0	2,393.7	2,374.1	2,365.1	5.8	5.7	-153.93	-134.4	-42.4	254.0	243.4	10.64	23.880			
2,500.0	2,493.2	2,472.0	2,462.1	6.1	6.0	-153.29	-146.7	-48.1	274.3	263.2	11.13	24.653			
2,600.0	2,592.7	2,569.9	2,559.0	6.4	6.3	-152.73	-158.9	-53.7	294.7	283.0	11.62	25.361			
2,700.0	2,692.3	2,667.7	2,655.9	6.7	6.6	-152.25	-171.1	-59.4	315.0	302.9	12.11	26.010			
2,800.0	2,791.8	2,765.6	2,752.9	6.9	7.0	-151.82	-183.3	-65.1	335.4	322.8	12.61	26.607			
2,900.0	2,891.3	2,863.5	2,849.8	7.2	7.3	-151.44	-195.6	-70.7	355.8	342.7	13.10	27.158			
3,000.0	2,990.8	2,961.4	2,946.8	7.5	7.6	-151.11	-207.8	-76.4	376.2	362.6	13.60	27.668			
3,100.0	3,090.4	3,059.2	3,043.7	7.8	7.9	-150.81	-220.0	-82.0	396.7	382.6	14.10	28.141			
3,200.0	3,189.9	3,157.1	3,140.6	8.1	8.3	-150.53	-232.2	-87.7	417.1	402.5	14.59	28.580			
3,300.0	3,289.4	3,255.0	3,237.6	8.4	8.6	-150.29	-244.5	-93.4	437.6	422.5	15.09	28.990			
3,400.0	3,388.9	3,352.8	3,334.5	8.6	8.9	-150.06	-256.7	-99.0	458.0	442.4	15.59	29.373			
3,500.0	3,488.5	3,450.7	3,431.4	8.9	9.3	-149.86	-268.9	-104.7	478.5	462.4	16.09	29.731			
3,600.0	3,588.0	3,548.6	3,528.4	9.2	9.6	-149.67	-281.1	-110.3	498.9	482.3	16.59	30.067			
3,700.0	3,687.5	3,646.5	3,625.3	9.5	9.9	-149.50	-293.4	-116.0	519.4	502.3	17.10	30.383			
3,800.0	3,787.0	3,744.3	3,722.3	9.8	10.3	-149.33	-305.6	-121.7	539.9	522.3	17.60	30.680			
3,900.0	3,886.6	3,842.2	3,819.2	10.1	10.6	-149.19	-317.8	-127.3	560.4	542.3	18.10	30.961			
4,000.0	3,986.1	3,940.1	3,916.1	10.3	10.9	-149.05	-330.1	-133.0	580.8	562.2	18.60	31.225			
4,100.0	4,085.6	4,037.9	4,013.1	10.6	11.3	-148.92	-342.3	-138.6	601.3	582.2	19.10	31.475			
4,200.0	4,185.1	4,135.8	4,110.0	10.9	11.6	-148.80	-354.5	-144.3	621.8	602.2	19.61	31.712			
4,300.0	4,284.7	4,233.7	4,207.0	11.2	11.9	-148.69	-366.7	-150.0	642.3	622.2	20.11	31.937			
4,400.0	4,384.2	4,331.5	4,303.9	11.5	12.3	-148.58	-379.0	-155.6	662.8	642.2	20.62	32.150			
4,500.0	4,483.7	4,429.4	4,400.8	11.8	12.6	-148.48	-391.2	-161.3	683.3	662.2	21.12	32.353			
4,600.0	4,583.2	4,527.3	4,497.8	12.1	12.9	-148.39	-403.4	-167.0	703.8	682.2	21.62	32.546			
4,700.0	4,682.8	4,625.2	4,594.7	12.3	13.3	-148.30	-415.6	-172.6	724.3	702.2	22.13	32.730			
4,800.0	4,782.3	4,723.0	4,691.7	12.6	13.6	-148.21	-427.9	-178.3	744.8	722.2	22.63	32.906			
4,900.0	4,881.8	4,820.9	4,788.6	12.9	14.0	-148.14	-440.1	-183.9	765.3	742.2	23.14	33.073			
5,000.0	4,981.3	4,918.8	4,885.5	13.2	14.3	-148.06	-452.3	-189.6	785.8	762.2	23.65	33.233			
5,100.0	5,080.9	5,016.6	4,982.5	13.5	14.6	-147.99	-464.5	-195.3	806.3	782.2	24.15	33.386			
5,200.0	5,180.4	5,114.5	5,079.4	13.8	15.0	-147.92	-476.8	-200.9	826.8	802.2	24.66	33.533			
5,300.0	5,279.9	5,212.4	5,176.3	14.1	15.3	-147.86	-489.0	-206.6	847.3	822.2	25.16	33.674			
5,400.0	5,379.4	5,310.3	5,273.3	14.3	15.6	-147.80	-501.2	-212.2	867.8	842.2	25.67	33.808			
5,500.0	5,479.0	5,408.1	5,370.2	14.6	16.0	-147.74	-513.4	-217.9	888.3	862.2	26.18	33.938			
5,600.0	5,578.5	5,506.0	5,467.2	14.9	16.3	-147.68	-525.7	-223.6	908.8	882.2	26.68	34.062			
5,700.0	5,678.0	5,603.9	5,564.1	15.2	16.7	-147.63	-537.9	-229.2	929.4	902.2	27.19	34.182			
5,800.0	5,777.5	5,701.7	5,661.0	15.5	17.0	-147.58	-550.1	-234.9	949.9	922.2	27.70	34.297			
5,900.0	5,877.1	5,799.6	5,758.0	15.8	17.3	-147.53	-562.4	-240.6	970.4	942.2	28.20	34.407			
6,000.0	5,976.6	5,897.5	5,854.9	16.1	17.7	-147.48	-574.6	-246.2	990.9	962.2	28.71	34.514			
6,100.0	6,076.1	5,995.3	5,951.9	16.3	18.0	-147.44	-586.8	-251.9	1,011.4	982.2	29.22	34.617			
6,200.0	6,175.6	6,093.2	6,048.8	16.6	18.4	-147.39	-599.0	-257.5	1,031.9	1,002.2	29.72	34.716			
6,300.0	6,275.2	6,191.1	6,145.7	16.9	18.7	-147.35	-611.3	-263.2	1,052.4	1,022.2	30.23	34.811			
6,400.0	6,374.7	6,289.0	6,242.7	17.2	19.0	-147.31	-623.5	-268.9	1,072.9	1,042.2	30.74	34.904			
6,500.0	6,474.2	6,386.8	6,339.6	17.5	19.4	-147.27	-635.7	-274.5	1,093.5	1,062.2	31.25	34.993			
6,600.0	6,573.7	6,484.7	6,436.5	17.8	19.7	-147.24	-647.9	-280.2	1,114.0	1,082.2	31.76	35.079			
6,700.0	6,673.3	6,582.6	6,533.5	18.1	20.1	-147.20	-660.2	-285.8	1,134.5	1,102.2	32.26	35.163			
6,800.0	6,772.8	6,680.4	6,630.4	18.3	20.4	-147.17	-672.4	-291.5	1,155.0	1,122.2	32.77	35.243			
6,900.0	6,872.3	6,778.3	6,727.4	18.6	20.7	-147.13	-684.6	-297.2	1,175.5	1,142.2	33.28	35.322			
7,000.0	6,971.8	6,876.2	6,824.3	18.9	21.1	-147.10	-696.8	-302.8	1,196.0	1,162.2	33.79	35.397			
7,100.0	7,071.4	6,974.1	6,921.2	19.2	21.4	-147.07	-709.1	-308.5	1,216.5	1,182.3	34.30	35.471			
7,200.0	7,170.9	7,071.9	7,018.2	19.5	21.8	-147.04	-721.3	-314.1	1,237.1	1,202.3	34.81	35.542			
7,300.0	7,270.4	7,169.8	7,115.1	19.8	22.1	-147.01	-733.5	-319.8	1,257.6	1,222.3	35.31	35.611			
7,400.0	7,369.9	7,267.7	7,212.1	20.1	22.4	-146.98	-745.7	-325.5	1,278.1	1,242.3	35.82	35.677			
7,500.0	7,469.5	7,365.5	7,309.0	20.4	22.8	-146.96	-758.0	-331.1	1,298.6	1,262.3	36.33	35.742			

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

Company: Synergy Resources
Project: SEC.26-T7N-R66W
Reference Site: SRC Leffler 13-26D Pad Sec.26-T7N-R66W
Site Error: 0.0ft
Reference Well: SRC Leffler 13-26D
Well Error: 0.0ft
Reference Wellbore: Wellbore #1
Reference Design: Plan #1 (6-29-11)

Local Co-ordinate Reference: Well SRC Leffler 13-26D
TVD Reference: WELL @ 4883.0ft (Original Well Elev)
MD Reference: WELL @ 4883.0ft (Original Well Elev)
North Reference: True
Survey Calculation Method: Minimum Curvature
Output errors are at 2.00 sigma
Database: Landmark
Offset TVD Reference: Offset Datum

Offset Design SRC Leffler 13-26D Pad Sec.26-T7N-R66W - SRC Leffler 14-26D - Wellbore #1 - Plan #1 (6-28-11)													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	
7,580.9	7,550.0	7,444.7	7,387.4	20.5	23.1	-146.94	-767.9	-335.7	1,315.2	1,278.6	36.65	35.884	

Company: Synergy Resources
Project: SEC.26-T7N-R66W
Reference Site: SRC Leffler 13-26D Pad Sec.26-T7N-R66W
Site Error: 0.0ft
Reference Well: SRC Leffler 13-26D
Well Error: 0.0ft
Reference Wellbore: Wellbore #1
Reference Design: Plan #1 (6-29-11)

Local Co-ordinate Reference: Well SRC Leffler 13-26D
TVD Reference: WELL @ 4883.0ft (Original Well Elev)
MD Reference: WELL @ 4883.0ft (Original Well Elev)
North Reference: True
Survey Calculation Method: Minimum Curvature
Output errors are at: 2.00 sigma
Database: Landmark
Offset TVD Reference: Offset Datum

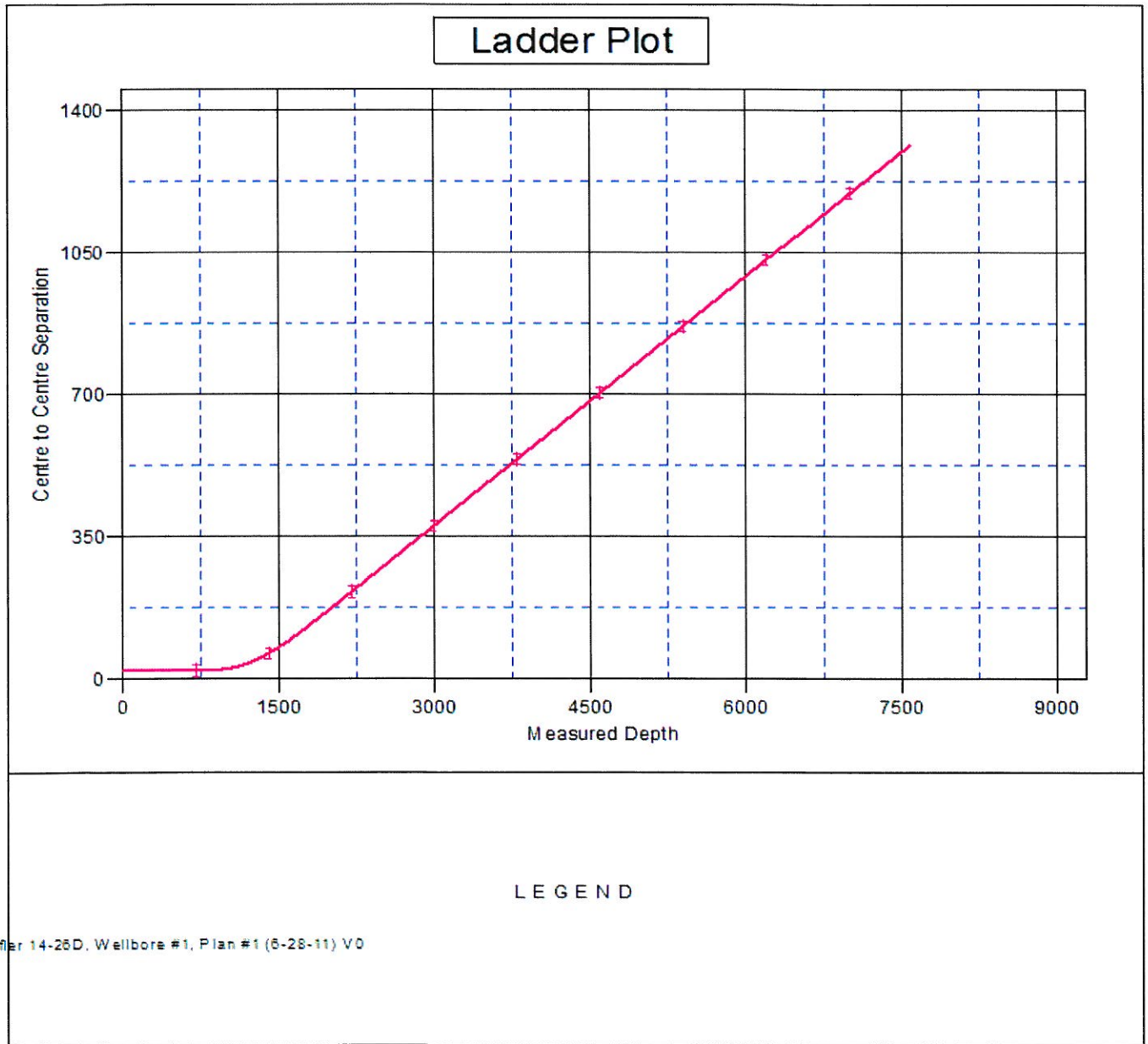
Reference Depths are relative to WELL @ 4883.0ft (Original Well Elev) Coordinates are relative to: SRC Leffler 13-26D

Offset Depths are relative to Offset Datum

Coordinate System is US State Plane 1983, Colorado Northern Zone

Central Meridian is -105.500000 °

Grid Convergence at Surface is: 0.48°



Company: Synergy Resources
Project: SEC.26-T7N-R66W
Reference Site: SRC Leffler 13-26D Pad Sec.26-T7N-R66W
Site Error: 0.0ft
Reference Well: SRC Leffler 13-26D
Well Error: 0.0ft
Reference Wellbore: Wellbore #1
Reference Design: Plan #1 (6-29-11)

Local Co-ordinate Reference: Well SRC Leffler 13-26D
TVD Reference: WELL @ 4883.0ft (Original Well Elev)
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Survey Calculation Method: Minimum Curvature
Output errors are at 2.00 sigma
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Reference Depths are relative to WELL @ 4883.0ft (Original Well Elev) Coordinates are relative to: SRC Leffler 13-26D

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