

# Synergy Resources

Well Name: **SRC Weis 12-9CHZ**

Surface Location: SRC Kiehn Pad Sec.4-T4N-R68W

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

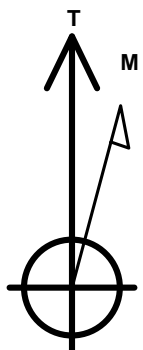
Ground Elevation: 5064.0

+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
0.0	0.0	1365531.01	3137951.63	40.335727	-105.005147	

Original Well Elev WELL @ 5077.0ft (Original Well Elev)

## WELLBORE TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Shape
SHL 171'FSL & 1742'FEL, Sec.4	1.0	0.0	0.0	Point
BHL 2190'FSL & 460'FWL, Sec.9	7160.0	-2415.9	-3070.6	Point



Azimuths to True North  
Magnetic North: 8.54°

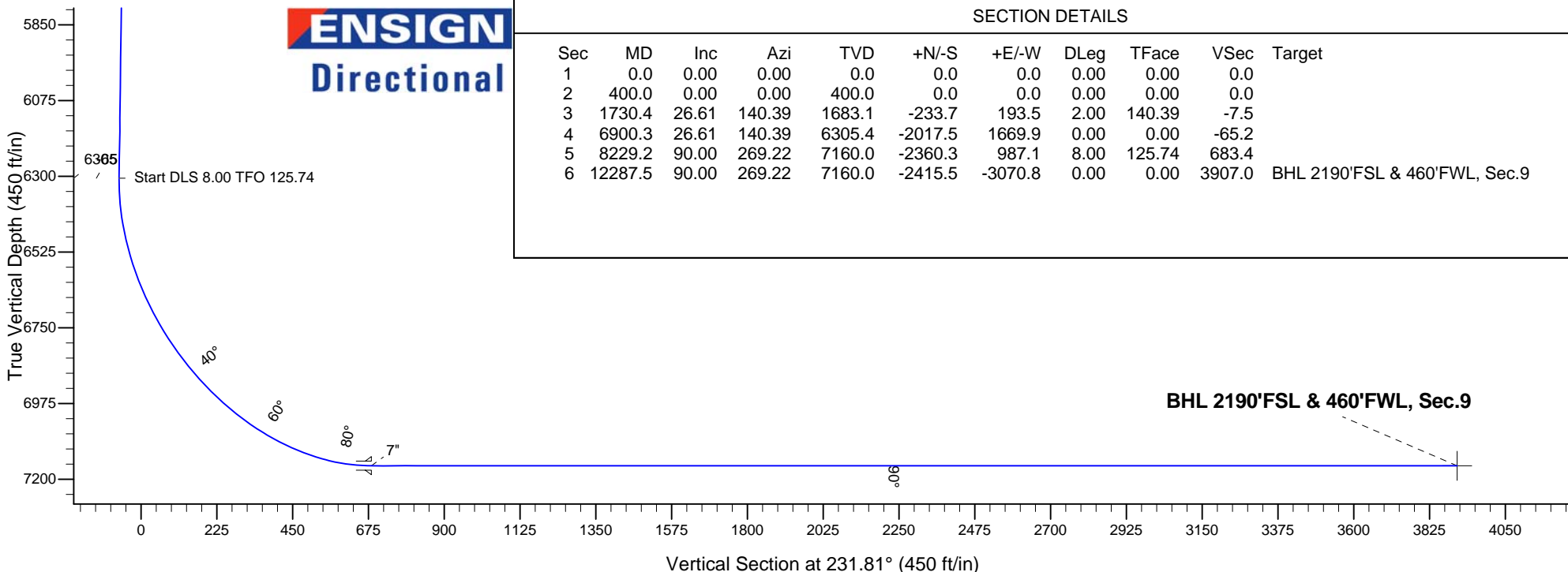
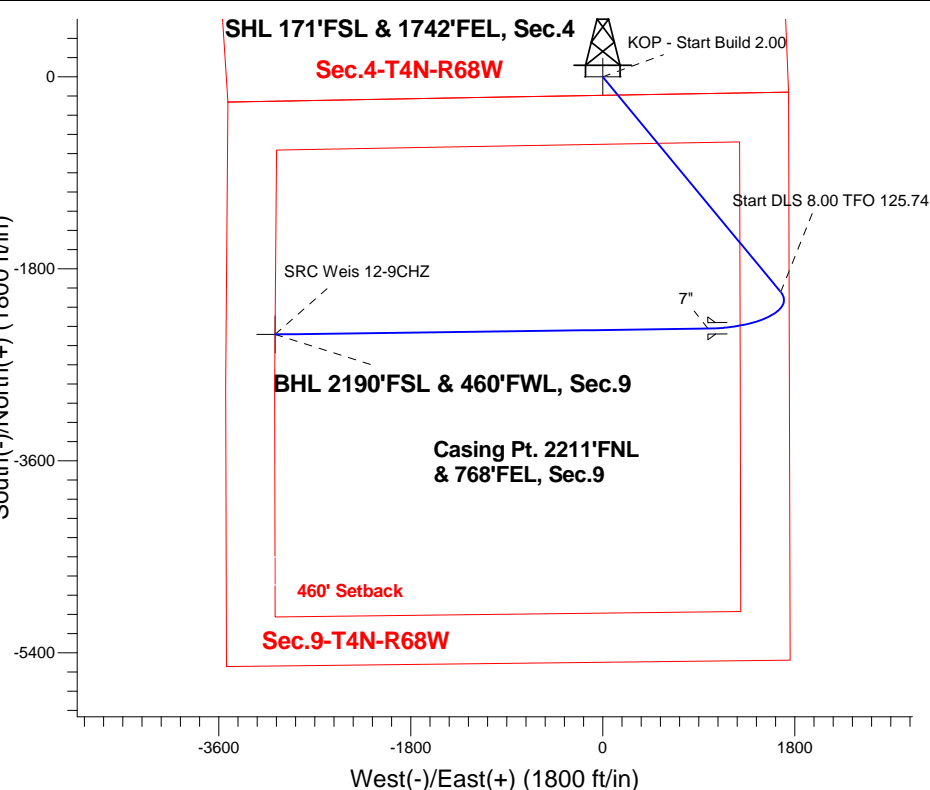
Magnetic Field  
Strength: 52722.9snT  
Dip Angle: 66.85°  
Date: 10/2/2014  
Model: IGRF2010

## ANNOTATIONS

TVD	MD	Annotation
400.0	400.0	KOP - Start Build 2.00
6305.4	6900.3	Start DLS 8.00 TFO 125.74
7160.0	12287.5	TD at 12287.5

SRC Kiehn Pad Sec.4-T4N-R68W  
SRC Weis 12-9CHZ  
Plan #1 (10-2-14)  
16:57, October 03 2014

South(-)/North(+) (1800 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	400.0	0.00	0.00	400.0	0.0	0.0	0.00	0.00	0.0	
3	1730.4	26.61	140.39	1683.1	-233.7	193.5	2.00	140.39	-7.5	
4	6900.3	26.61	140.39	6305.4	-2017.5	1669.9	0.00	0.00	-65.2	
5	8229.2	90.00	269.22	7160.0	-2360.3	987.1	8.00	125.74	683.4	
6	12287.5	90.00	269.22	7160.0	-2415.5	-3070.8	0.00	0.00	3907.0	BHL 2190'FSL & 460'FWL, Sec.9



## **Synergy Resources**

**SEC.4-T4N-R68W**

**SRC Kiehn Pad Sec.4-T4N-R68W**

**SRC Weis 12-9CHZ**

**Wellbore #1**

**Plan: Plan #1 (10-2-14)**

## **Standard Planning Report**

**03 October, 2014**

Plan Sections										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	TFO (°)	Target
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
400.0	0.00	0.00	400.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,730.4	26.61	140.39	1,683.1	-233.7	193.5	2.00	2.00	0.00	140.39	
6,900.3	26.61	140.39	6,305.4	-2,017.5	1,669.9	0.00	0.00	0.00	0.00	
8,229.2	90.00	269.22	7,160.0	-2,360.3	987.1	8.00	4.77	9.69	125.74	
12,287.5	90.00	269.22	7,160.0	-2,415.5	-3,070.8	0.00	0.00	0.00	0.00	BHL 2190'FSL & 46

<b>Database:</b>	Landmark	<b>Local Co-ordinate Reference:</b>	Well SRC Weis 12-9CHZ
<b>Company:</b>	Synergy Resources	<b>TVD Reference:</b>	WELL @ 5077.0ft (Original Well Elev)
<b>Project:</b>	SEC.4-T4N-R68W	<b>MD Reference:</b>	WELL @ 5077.0ft (Original Well Elev)
<b>Site:</b>	SRC Kiehn Pad Sec.4-T4N-R68W	<b>North Reference:</b>	True
<b>Well:</b>	SRC Weis 12-9CHZ	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Wellbore #1		
<b>Design:</b>	Plan #1 (10-2-14)		

Planned Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
100.0	0.00	0.00	100.0	0.0	0.0	0.0	0.00	0.00	0.00
200.0	0.00	0.00	200.0	0.0	0.0	0.0	0.00	0.00	0.00
300.0	0.00	0.00	300.0	0.0	0.0	0.0	0.00	0.00	0.00
400.0	0.00	0.00	400.0	0.0	0.0	0.0	0.00	0.00	0.00
KOP - Start Build 2.00									
500.0	2.00	140.39	500.0	-1.3	1.1	0.0	2.00	2.00	0.00
600.0	4.00	140.39	599.8	-5.4	4.4	-0.2	2.00	2.00	0.00
700.0	6.00	140.39	699.5	-12.1	10.0	-0.4	2.00	2.00	0.00
800.0	8.00	140.39	798.7	-21.5	17.8	-0.7	2.00	2.00	0.00
900.0	10.00	140.39	897.5	-33.5	27.8	-1.1	2.00	2.00	0.00
1,000.0	12.00	140.39	995.6	-48.2	39.9	-1.6	2.00	2.00	0.00
1,100.0	14.00	140.39	1,093.1	-65.6	54.3	-2.1	2.00	2.00	0.00
1,200.0	16.00	140.39	1,189.6	-85.5	70.8	-2.8	2.00	2.00	0.00
1,300.0	18.00	140.39	1,285.3	-108.0	89.4	-3.5	2.00	2.00	0.00
1,400.0	20.00	140.39	1,379.8	-133.1	110.2	-4.3	2.00	2.00	0.00
1,500.0	22.00	140.39	1,473.2	-160.7	133.0	-5.2	2.00	2.00	0.00
1,600.0	24.00	140.39	1,565.2	-190.8	157.9	-6.2	2.00	2.00	0.00
1,700.0	26.00	140.39	1,655.8	-223.4	184.9	-7.2	2.00	2.00	0.00
1,730.4	26.61	140.39	1,683.1	-233.7	193.5	-7.5	2.00	2.00	0.00
1,800.0	26.61	140.39	1,745.3	-257.7	213.3	-8.3	0.00	0.00	0.00
1,900.0	26.61	140.39	1,834.7	-292.2	241.9	-9.4	0.00	0.00	0.00
2,000.0	26.61	140.39	1,924.1	-326.7	270.4	-10.6	0.00	0.00	0.00
2,100.0	26.61	140.39	2,013.5	-361.3	299.0	-11.7	0.00	0.00	0.00
2,200.0	26.61	140.39	2,103.0	-395.8	327.6	-12.8	0.00	0.00	0.00
2,300.0	26.61	140.39	2,192.4	-430.3	356.1	-13.9	0.00	0.00	0.00
2,400.0	26.61	140.39	2,281.8	-464.8	384.7	-15.0	0.00	0.00	0.00
2,500.0	26.61	140.39	2,371.2	-499.3	413.2	-16.1	0.00	0.00	0.00
2,600.0	26.61	140.39	2,460.6	-533.8	441.8	-17.2	0.00	0.00	0.00
2,700.0	26.61	140.39	2,550.0	-568.3	470.4	-18.4	0.00	0.00	0.00
2,800.0	26.61	140.39	2,639.4	-602.8	498.9	-19.5	0.00	0.00	0.00
2,900.0	26.61	140.39	2,728.8	-637.3	527.5	-20.6	0.00	0.00	0.00
3,000.0	26.61	140.39	2,818.2	-671.8	556.0	-21.7	0.00	0.00	0.00
3,100.0	26.61	140.39	2,907.6	-706.3	584.6	-22.8	0.00	0.00	0.00
3,200.0	26.61	140.39	2,997.0	-740.8	613.1	-23.9	0.00	0.00	0.00
3,300.0	26.61	140.39	3,086.5	-775.3	641.7	-25.0	0.00	0.00	0.00
3,400.0	26.61	140.39	3,175.9	-809.8	670.3	-26.2	0.00	0.00	0.00
3,500.0	26.61	140.39	3,265.3	-844.3	698.8	-27.3	0.00	0.00	0.00
3,600.0	26.61	140.39	3,354.7	-878.8	727.4	-28.4	0.00	0.00	0.00
3,700.0	26.61	140.39	3,444.1	-913.3	755.9	-29.5	0.00	0.00	0.00
3,800.0	26.61	140.39	3,533.5	-947.8	784.5	-30.6	0.00	0.00	0.00
3,900.0	26.61	140.39	3,622.9	-982.3	813.1	-31.7	0.00	0.00	0.00
4,000.0	26.61	140.39	3,712.3	-1,016.8	841.6	-32.8	0.00	0.00	0.00
4,100.0	26.61	140.39	3,801.7	-1,051.3	870.2	-34.0	0.00	0.00	0.00
4,200.0	26.61	140.39	3,891.1	-1,085.8	898.7	-35.1	0.00	0.00	0.00
4,300.0	26.61	140.39	3,980.5	-1,120.3	927.3	-36.2	0.00	0.00	0.00
4,400.0	26.61	140.39	4,070.0	-1,154.8	955.8	-37.3	0.00	0.00	0.00
4,500.0	26.61	140.39	4,159.4	-1,189.3	984.4	-38.4	0.00	0.00	0.00
4,600.0	26.61	140.39	4,248.8	-1,223.8	1,013.0	-39.5	0.00	0.00	0.00
4,700.0	26.61	140.39	4,338.2	-1,258.3	1,041.5	-40.6	0.00	0.00	0.00
4,800.0	26.61	140.39	4,427.6	-1,292.8	1,070.1	-41.7	0.00	0.00	0.00
4,900.0	26.61	140.39	4,517.0	-1,327.3	1,098.6	-42.9	0.00	0.00	0.00
5,000.0	26.61	140.39	4,606.4	-1,361.8	1,127.2	-44.0	0.00	0.00	0.00
5,100.0	26.61	140.39	4,695.8	-1,396.4	1,155.7	-45.1	0.00	0.00	0.00

<b>Database:</b>	Landmark	<b>Local Co-ordinate Reference:</b>	Well SRC Weis 12-9CHZ
<b>Company:</b>	Synergy Resources	<b>TVD Reference:</b>	WELL @ 5077.0ft (Original Well Elev)
<b>Project:</b>	SEC.4-T4N-R68W	<b>MD Reference:</b>	WELL @ 5077.0ft (Original Well Elev)
<b>Site:</b>	SRC Kiehn Pad Sec.4-T4N-R68W	<b>North Reference:</b>	True
<b>Well:</b>	SRC Weis 12-9CHZ	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Wellbore #1		
<b>Design:</b>	Plan #1 (10-2-14)		

Planned Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
5,200.0	26.61	140.39	4,785.2	-1,430.9	1,184.3	-46.2	0.00	0.00	0.00
5,300.0	26.61	140.39	4,874.6	-1,465.4	1,212.9	-47.3	0.00	0.00	0.00
5,400.0	26.61	140.39	4,964.0	-1,499.9	1,241.4	-48.4	0.00	0.00	0.00
5,500.0	26.61	140.39	5,053.5	-1,534.4	1,270.0	-49.5	0.00	0.00	0.00
5,600.0	26.61	140.39	5,142.9	-1,568.9	1,298.5	-50.7	0.00	0.00	0.00
5,700.0	26.61	140.39	5,232.3	-1,603.4	1,327.1	-51.8	0.00	0.00	0.00
5,800.0	26.61	140.39	5,321.7	-1,637.9	1,355.7	-52.9	0.00	0.00	0.00
5,900.0	26.61	140.39	5,411.1	-1,672.4	1,384.2	-54.0	0.00	0.00	0.00
6,000.0	26.61	140.39	5,500.5	-1,706.9	1,412.8	-55.1	0.00	0.00	0.00
6,100.0	26.61	140.39	5,589.9	-1,741.4	1,441.3	-56.2	0.00	0.00	0.00
6,200.0	26.61	140.39	5,679.3	-1,775.9	1,469.9	-57.3	0.00	0.00	0.00
6,300.0	26.61	140.39	5,768.7	-1,810.4	1,498.4	-58.5	0.00	0.00	0.00
6,400.0	26.61	140.39	5,858.1	-1,844.9	1,527.0	-59.6	0.00	0.00	0.00
6,500.0	26.61	140.39	5,947.5	-1,879.4	1,555.6	-60.7	0.00	0.00	0.00
6,600.0	26.61	140.39	6,037.0	-1,913.9	1,584.1	-61.8	0.00	0.00	0.00
6,700.0	26.61	140.39	6,126.4	-1,948.4	1,612.7	-62.9	0.00	0.00	0.00
6,800.0	26.61	140.39	6,215.8	-1,982.9	1,641.2	-64.0	0.00	0.00	0.00
6,900.0	26.61	140.39	6,305.2	-2,017.4	1,669.8	-65.1	0.00	0.00	0.00
6,900.3	26.61	140.39	6,305.4	-2,017.5	1,669.9	-65.2	0.00	0.00	0.00
Start DLS 8.00 TFO 125.74									
7,000.0	22.82	157.28	6,396.1	-2,052.6	1,691.6	-60.5	8.00	-3.80	16.94
7,100.0	21.32	178.31	6,488.9	-2,088.7	1,699.7	-44.5	8.00	-1.50	21.03
7,200.0	22.59	199.54	6,581.8	-2,125.0	1,693.8	-17.4	8.00	1.27	21.24
7,300.0	26.24	216.87	6,673.0	-2,160.9	1,674.0	20.2	8.00	3.64	17.33
7,400.0	31.44	229.55	6,760.6	-2,195.5	1,640.9	67.7	8.00	5.20	12.68
7,500.0	37.54	238.71	6,843.1	-2,228.3	1,594.9	124.1	8.00	6.11	9.16
7,600.0	44.18	245.55	6,918.7	-2,258.6	1,537.1	188.3	8.00	6.64	6.84
7,700.0	51.14	250.90	6,986.0	-2,285.9	1,468.4	259.1	8.00	6.96	5.35
7,800.0	58.30	255.28	7,043.8	-2,309.4	1,390.4	335.0	8.00	7.16	4.38
7,900.0	65.59	259.02	7,090.8	-2,329.0	1,304.4	414.7	8.00	7.29	3.74
8,000.0	72.96	262.35	7,126.1	-2,344.0	1,212.2	496.5	8.00	7.37	3.33
8,100.0	80.38	265.43	7,149.2	-2,354.3	1,115.5	578.8	8.00	7.42	3.08
8,200.0	87.83	268.37	7,159.4	-2,359.7	1,016.2	660.1	8.00	7.45	2.94
8,229.2	90.00	269.22	7,160.0	-2,360.3	987.1	683.5	7.99	7.44	2.91
7"									
8,300.0	90.00	269.22	7,160.0	-2,361.3	916.3	739.7	0.00	0.00	0.00
8,400.0	90.00	269.22	7,160.0	-2,362.6	816.3	819.1	0.00	0.00	0.00
8,500.0	90.00	269.22	7,160.0	-2,364.0	716.3	898.6	0.00	0.00	0.00
8,600.0	90.00	269.22	7,160.0	-2,365.3	616.3	978.0	0.00	0.00	0.00
8,700.0	90.00	269.22	7,160.0	-2,366.7	516.3	1,057.4	0.00	0.00	0.00
8,800.0	90.00	269.22	7,160.0	-2,368.1	416.3	1,136.9	0.00	0.00	0.00
8,900.0	90.00	269.22	7,160.0	-2,369.4	316.3	1,216.3	0.00	0.00	0.00
9,000.0	90.00	269.22	7,160.0	-2,370.8	216.3	1,295.7	0.00	0.00	0.00
9,100.0	90.00	269.22	7,160.0	-2,372.2	116.3	1,375.2	0.00	0.00	0.00
9,200.0	90.00	269.22	7,160.0	-2,373.5	16.3	1,454.6	0.00	0.00	0.00
9,300.0	90.00	269.22	7,160.0	-2,374.9	-83.6	1,534.0	0.00	0.00	0.00
9,400.0	90.00	269.22	7,160.0	-2,376.2	-183.6	1,613.5	0.00	0.00	0.00
9,500.0	90.00	269.22	7,160.0	-2,377.6	-283.6	1,692.9	0.00	0.00	0.00
9,600.0	90.00	269.22	7,160.0	-2,379.0	-383.6	1,772.3	0.00	0.00	0.00
9,700.0	90.00	269.22	7,160.0	-2,380.3	-483.6	1,851.8	0.00	0.00	0.00
9,800.0	90.00	269.22	7,160.0	-2,381.7	-583.6	1,931.2	0.00	0.00	0.00
9,900.0	90.00	269.22	7,160.0	-2,383.0	-683.6	2,010.6	0.00	0.00	0.00
10,000.0	90.00	269.22	7,160.0	-2,384.4	-783.6	2,090.0	0.00	0.00	0.00
10,100.0	90.00	269.22	7,160.0	-2,385.8	-883.6	2,169.5	0.00	0.00	0.00

<b>Database:</b>	Landmark	<b>Local Co-ordinate Reference:</b>	Well SRC Weis 12-9CHZ
<b>Company:</b>	Synergy Resources	<b>TVD Reference:</b>	WELL @ 5077.0ft (Original Well Elev)
<b>Project:</b>	SEC.4-T4N-R68W	<b>MD Reference:</b>	WELL @ 5077.0ft (Original Well Elev)
<b>Site:</b>	SRC Kiehn Pad Sec.4-T4N-R68W	<b>North Reference:</b>	True
<b>Well:</b>	SRC Weis 12-9CHZ	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Wellbore #1		
<b>Design:</b>	Plan #1 (10-2-14)		

Planned Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
10,200.0	90.00	269.22	7,160.0	-2,387.1	-983.6	2,248.9	0.00	0.00	0.00
10,300.0	90.00	269.22	7,160.0	-2,388.5	-1,083.6	2,328.3	0.00	0.00	0.00
10,400.0	90.00	269.22	7,160.0	-2,389.9	-1,183.5	2,407.8	0.00	0.00	0.00
10,500.0	90.00	269.22	7,160.0	-2,391.2	-1,283.5	2,487.2	0.00	0.00	0.00
10,600.0	90.00	269.22	7,160.0	-2,392.6	-1,383.5	2,566.6	0.00	0.00	0.00
10,700.0	90.00	269.22	7,160.0	-2,393.9	-1,483.5	2,646.1	0.00	0.00	0.00
10,800.0	90.00	269.22	7,160.0	-2,395.3	-1,583.5	2,725.5	0.00	0.00	0.00
10,900.0	90.00	269.22	7,160.0	-2,396.7	-1,683.5	2,804.9	0.00	0.00	0.00
11,000.0	90.00	269.22	7,160.0	-2,398.0	-1,783.5	2,884.4	0.00	0.00	0.00
11,100.0	90.00	269.22	7,160.0	-2,399.4	-1,883.5	2,963.8	0.00	0.00	0.00
11,200.0	90.00	269.22	7,160.0	-2,400.7	-1,983.5	3,043.2	0.00	0.00	0.00
11,300.0	90.00	269.22	7,160.0	-2,402.1	-2,083.5	3,122.7	0.00	0.00	0.00
11,400.0	90.00	269.22	7,160.0	-2,403.5	-2,183.5	3,202.1	0.00	0.00	0.00
11,500.0	90.00	269.22	7,160.0	-2,404.8	-2,283.4	3,281.5	0.00	0.00	0.00
11,600.0	90.00	269.22	7,160.0	-2,406.2	-2,383.4	3,361.0	0.00	0.00	0.00
11,700.0	90.00	269.22	7,160.0	-2,407.5	-2,483.4	3,440.4	0.00	0.00	0.00
11,800.0	90.00	269.22	7,160.0	-2,408.9	-2,583.4	3,519.8	0.00	0.00	0.00
11,900.0	90.00	269.22	7,160.0	-2,410.3	-2,683.4	3,599.3	0.00	0.00	0.00
12,000.0	90.00	269.22	7,160.0	-2,411.6	-2,783.4	3,678.7	0.00	0.00	0.00
12,100.0	90.00	269.22	7,160.0	-2,413.0	-2,883.4	3,758.1	0.00	0.00	0.00
12,200.0	90.00	269.22	7,160.0	-2,414.4	-2,983.4	3,837.6	0.00	0.00	0.00
12,287.5	90.00	269.22	7,160.0	-2,415.5	-3,070.8	3,907.0	0.00	0.00	0.00

Targets									
Target Name	- hit/miss target	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (ft)	Easting (ft)	
BHL 2190'FSL & 460'I	- plan misses target center by 0.3ft at 12287.2ft MD (7160.0 TVD, -2415.5 N, -3070.6 E)	0.00	0.00	7,160.0	-2,415.9	-3,070.6	1,363,098.13	3,134,894.72	40.329095 -105.016160
SHL 171'FSL & 1742'I	- plan hits target center	0.00	0.00	1.0	0.0	0.0	1,365,531.02	3,137,951.63	40.335727 -105.005147

Casing Points					
Measured Depth (ft)	Vertical Depth (ft)	Name		Casing Diameter (")	Hole Diameter (")
8,229.2	7,160.0	7"		7	7-1/2

Plan Annotations				
Measured Depth (ft)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Comment
400.0	400.0	0.0	0.0	KOP - Start Build 2.00
6,900.3	6,305.4	-233.7	193.5	Start DLS 8.00 TFO 125.74
12,287.5	7,160.0	-2,017.5	1,669.9	TD at 12287.5



# **Synergy Resources**

**SEC.4-T4N-R68W**

**SRC Kiehn Pad Sec.4-T4N-R68W**

**SRC Weis 12-9CHZ**

**Wellbore #1**

**Plan #1 (10-2-14)**

## **Anticollision Report**

**03 October, 2014**





Offset Design      SRC Kiehn Pad Sec.4-T4N-R68W - SRC Kiehn 22-4NHZ - Wellbore #1 - Plan #2 (4-25-14)													Offset Site Error:      0.0 ft	
Survey Program:    0-MWD													Offset Well Error:      0.0 ft	
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth Depth (ft)	Vertical Depth Depth (ft)	Measured Depth Depth (ft)	Vertical Depth Depth (ft)	Reference  (ft)	Offset  (ft)	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		
0.0	0.0	0.0	0.0	0.0	0.0	-79.85	27.7	-154.7	157.2					
100.0	100.0	100.0	100.0	0.1	0.1	-79.85	27.7	-154.7	157.2	157.0	0.22	699.324		
200.0	200.0	200.0	200.0	0.3	0.3	-79.85	27.7	-154.7	157.2	156.5	0.67	233.108		
300.0	300.0	300.0	300.0	0.6	0.6	-79.85	27.7	-154.7	157.2	156.1	1.12	139.865		
400.0	400.0	400.0	400.0	0.8	0.8	-79.85	27.7	-154.7	157.2	155.6	1.57	99.903 CC, ES		
500.0	500.0	500.0	500.0	1.0	1.0	140.15	27.7	-154.7	158.5	156.5	2.00	79.212		
600.0	599.8	599.8	599.8	1.2	1.2	141.28	27.7	-154.7	162.6	160.2	2.42	67.135		
700.0	699.5	699.5	699.5	1.4	1.5	143.04	27.7	-154.7	169.5	166.6	2.86	59.275		
800.0	798.7	798.7	798.7	1.7	1.7	145.26	27.7	-154.7	179.4	176.1	3.31	54.161		
900.0	897.5	897.5	897.5	2.0	1.9	147.76	27.7	-154.7	192.5	188.7	3.78	50.946		
1,000.0	995.6	995.6	995.6	2.4	2.1	150.38	27.7	-154.7	208.9	204.7	4.25	49.113		
1,100.0	1,093.1	1,087.1	1,087.1	2.8	2.3	152.62	27.5	-156.0	230.1	225.3	4.72	48.758 SF		
1,200.0	1,189.6	1,176.5	1,176.4	3.3	2.5	154.36	27.0	-160.1	257.2	252.0	5.19	49.551		
1,300.0	1,285.3	1,263.8	1,263.4	3.8	2.7	155.63	26.1	-166.8	290.0	284.3	5.68	51.092		
1,400.0	1,379.8	1,348.5	1,347.7	4.5	2.9	156.50	24.9	-175.7	328.2	322.1	6.18	53.120		
1,500.0	1,473.2	1,430.4	1,428.8	5.1	3.1	157.03	23.5	-186.7	371.7	365.0	6.70	55.451		
1,600.0	1,565.2	1,509.2	1,506.5	5.9	3.3	157.29	21.8	-199.5	420.0	412.7	7.25	57.945		
1,700.0	1,655.8	1,584.6	1,580.6	6.8	3.5	157.35	20.0	-213.7	473.0	465.2	7.82	60.486		
1,800.0	1,745.3	1,657.0	1,651.3	7.7	3.8	157.58	18.0	-229.1	529.7	521.3	8.43	62.833		
1,900.0	1,834.7	1,727.4	1,719.6	8.6	4.1	157.77	15.8	-245.8	588.2	579.1	9.07	64.863		
2,000.0	1,924.1	1,803.9	1,793.5	9.5	4.4	157.84	13.2	-265.4	647.9	638.1	9.74	66.538		
2,100.0	2,013.5	1,884.0	1,870.9	10.4	4.8	157.89	10.5	-285.9	707.6	697.2	10.42	67.927		
2,200.0	2,103.0	1,964.2	1,948.4	11.3	5.1	157.94	7.8	-306.5	767.4	756.3	11.12	69.002		
2,300.0	2,192.4	2,044.4	2,025.8	12.3	5.5	157.97	5.2	-327.1	827.1	815.3	11.82	69.985		
2,400.0	2,281.8	2,124.6	2,103.3	13.2	5.9	158.01	2.5	-347.7	886.9	874.4	12.53	70.776		
2,500.0	2,371.2	2,204.8	2,180.7	14.1	6.3	158.04	-0.2	-368.3	946.7	933.4	13.25	71.440		

<b>Company:</b>	Synergy Resources	<b>Local Co-ordinate Reference:</b>	Well SRC Weis 12-9CHZ
<b>Project:</b>	SEC.4-T4N-R68W	<b>TVD Reference:</b>	WELL @ 5077.0ft (Original Well Elev)
<b>Reference Site:</b>	SRC Kiehn Pad Sec.4-T4N-R68W	<b>MD Reference:</b>	WELL @ 5077.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	SRC Weis 12-9CHZ	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	Landmark
<b>Reference Design:</b>	Plan #1 (10-2-14)	<b>Offset TVD Reference:</b>	Offset Datum

<b>Offset Design</b>												<b>Offset Site Error:</b>	0.0 ft
Survey Program: 67-MWD												<b>Offset Well Error:</b>	0.0 ft
Reference		Offset		Semi Major Axis			Distance						
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
0.0	0.0	0.5	0.5	0.0	0.0	-71.75	28.8	-87.3	91.9				
100.0	100.0	100.0	100.0	0.1	0.1	-72.42	27.9	-87.9	92.2	92.0	0.26	358.271	
200.0	200.0	200.0	200.0	0.3	0.4	-73.14	26.9	-88.7	92.7	92.0	0.69	134.325	
300.0	300.0	299.8	299.8	0.6	0.6	-73.37	26.7	-89.5	93.4	92.2	1.12	83.003	
400.0	400.0	400.8	400.7	0.8	0.8	-73.92	26.0	-90.2	93.9	92.3	1.56	60.177	
435.0	435.0	436.5	436.5	0.9	0.8	145.64	25.7	-90.1	93.8	92.1	1.71	55.036	
500.0	500.0	502.3	502.3	1.0	1.0	146.22	25.5	-89.1	94.1	92.2	1.98	47.629	
600.0	599.8	602.6	602.6	1.2	1.2	148.59	25.9	-86.4	96.1	93.8	2.38	40.412	
700.0	699.5	698.5	698.4	1.4	1.4	151.53	26.6	-85.3	102.9	100.1	2.80	36.793	
800.0	798.7	798.3	798.2	1.7	1.6	154.08	26.9	-87.4	115.7	112.5	3.23	35.813	
900.0	897.5	899.8	899.7	2.0	1.8	156.19	25.0	-87.9	129.6	125.9	3.67	35.294 SF	
1,000.0	995.6	997.1	997.0	2.4	2.0	158.75	23.8	-87.2	146.2	142.0	4.12	35.504	
1,100.0	1,093.1	1,092.1	1,092.0	2.8	2.2	161.33	23.9	-87.4	167.5	163.0	4.57	36.699	
1,200.0	1,189.6	1,188.5	1,188.3	3.3	2.4	163.76	24.8	-88.0	193.3	188.3	5.02	38.515	
1,300.0	1,285.3	1,278.7	1,278.6	3.8	2.6	165.91	26.7	-88.8	223.5	218.1	5.46	40.909	
1,400.0	1,379.8	1,373.2	1,373.0	4.5	2.8	167.43	28.3	-91.4	258.3	252.4	5.92	43.624	
1,500.0	1,473.2	1,464.9	1,464.6	5.1	3.0	168.48	28.9	-94.4	296.2	289.8	6.38	46.459	
1,600.0	1,565.2	1,561.3	1,561.0	5.9	3.2	169.54	29.6	-96.7	336.8	329.9	6.84	49.269	
1,700.0	1,655.8	1,655.0	1,654.7	6.8	3.4	170.61	30.2	-97.2	379.3	372.0	7.29	52.050	
1,800.0	1,745.3	1,727.4	1,727.1	7.7	3.6	171.35	31.2	-98.6	425.6	417.9	7.76	54.819	
1,900.0	1,834.7	1,801.9	1,801.4	8.6	3.7	171.78	32.8	-103.2	475.3	467.0	8.28	57.402	
2,000.0	1,924.1	1,896.0	1,895.1	9.5	3.9	171.97	34.2	-111.2	526.1	517.3	8.83	59.569	
2,100.0	2,013.5	1,992.8	1,991.4	10.4	4.2	171.61	30.2	-120.5	574.3	564.9	9.40	61.070	
2,200.0	2,103.0	2,083.3	2,081.0	11.3	4.4	170.92	23.4	-131.5	622.1	612.1	10.00	62.213	
2,300.0	2,192.4	2,174.4	2,171.1	12.3	4.6	170.27	15.8	-142.6	669.4	658.8	10.62	63.005	
2,400.0	2,281.8	2,257.0	2,252.7	13.2	4.8	169.72	8.5	-152.8	716.8	705.5	11.24	63.742	
2,500.0	2,371.2	2,333.0	2,327.8	14.1	5.0	169.31	2.8	-162.7	765.3	753.4	11.86	64.538	
2,600.0	2,460.6	2,408.4	2,402.4	15.1	5.2	169.05	-1.1	-172.6	815.3	802.8	12.46	65.428	
2,700.0	2,550.0	2,492.1	2,485.4	16.0	5.5	168.84	-4.5	-183.7	865.9	852.8	13.08	66.197	
2,800.0	2,639.4	2,581.1	2,573.6	17.0	5.7	168.65	-8.2	-195.4	916.5	902.8	13.71	66.831	
2,900.0	2,728.8	2,661.4	2,653.0	17.9	5.9	168.45	-11.8	-206.4	967.3	952.9	14.34	67.457	

<b>Company:</b>	Synergy Resources	<b>Local Co-ordinate Reference:</b>	Well SRC Weis 12-9CHZ
<b>Project:</b>	SEC.4-T4N-R68W	<b>TVD Reference:</b>	WELL @ 5077.0ft (Original Well Elev)
<b>Reference Site:</b>	SRC Kiehn Pad Sec.4-T4N-R68W	<b>MD Reference:</b>	WELL @ 5077.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	SRC Weis 12-9CHZ	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	Landmark
<b>Reference Design:</b>	Plan #1 (10-2-14)	<b>Offset TVD Reference:</b>	Offset Datum

<b>Offset Design</b>												<b>Offset Site Error:</b>	0.0 ft
Survey Program: 161-MWD												<b>Offset Well Error:</b>	0.0 ft
Reference		Offset		Semi Major Axis			Distance						
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
0.0	0.0	0.0	0.0	0.0	0.0	-65.84	29.1	-65.0	71.2				
100.0	100.0	99.3	99.3	0.1	0.1	-65.96	29.3	-65.8	72.0	71.8	0.23	317.265	
200.0	200.0	199.1	199.1	0.3	0.3	-66.25	29.9	-68.0	74.3	73.7	0.60	123.750	
300.0	300.0	300.0	299.9	0.6	0.5	-65.99	30.7	-68.8	75.4	74.3	1.03	73.094	
400.0	400.0	399.2	399.0	0.8	0.7	-63.48	34.1	-68.4	76.4	75.0	1.47	52.064	
500.0	500.0	497.7	497.4	1.0	0.9	160.48	40.2	-68.4	81.0	79.1	1.90	42.590	
600.0	599.8	596.1	595.6	1.2	1.2	165.51	47.8	-68.8	90.6	88.3	2.34	38.716	
700.0	699.5	694.8	693.9	1.4	1.4	169.62	55.3	-70.0	104.8	102.0	2.78	37.754 SF	
800.0	798.7	794.5	793.4	1.7	1.6	170.65	58.9	-74.0	122.1	118.9	3.19	38.333	
900.0	897.5	897.0	895.8	2.0	1.8	170.07	58.2	-79.2	140.9	137.3	3.60	39.145	
1,000.0	995.6	999.5	998.3	2.4	2.0	170.79	57.3	-79.9	159.7	155.7	4.01	39.800	
1,100.0	1,093.1	1,094.5	1,093.3	2.8	2.2	171.85	56.8	-79.3	181.1	176.7	4.44	40.834	
1,200.0	1,189.6	1,185.8	1,184.6	3.3	2.4	172.43	56.8	-81.0	208.1	203.3	4.88	42.676	
1,300.0	1,285.3	1,280.0	1,278.7	3.8	2.6	172.99	57.9	-83.8	240.0	234.6	5.33	45.043	
1,400.0	1,379.8	1,377.7	1,376.4	4.5	2.8	173.72	59.3	-85.5	274.5	268.7	5.77	47.564	
1,500.0	1,473.2	1,467.8	1,466.5	5.1	3.0	174.12	59.6	-87.5	311.8	305.6	6.21	50.236	
1,600.0	1,565.2	1,558.1	1,556.7	5.9	3.2	174.34	59.9	-90.4	353.0	346.3	6.66	53.000	
1,700.0	1,655.8	1,648.6	1,647.1	6.8	3.4	174.62	60.4	-93.0	397.3	390.2	7.11	55.849	
1,800.0	1,745.3	1,742.3	1,740.9	7.7	3.6	175.02	60.9	-94.9	443.3	435.7	7.61	58.272	
1,900.0	1,834.7	1,831.6	1,830.2	8.6	3.8	175.42	61.3	-95.9	488.9	480.8	8.12	60.212	
2,000.0	1,924.1	1,930.5	1,929.0	9.5	4.0	175.59	59.9	-97.5	533.8	525.1	8.66	61.665	
2,100.0	2,013.5	2,016.6	2,015.0	10.4	4.1	175.47	56.8	-100.1	578.0	568.8	9.19	62.922	
2,200.0	2,103.0	2,117.7	2,115.8	11.3	4.3	175.02	50.6	-105.2	621.8	612.1	9.76	63.698	
2,300.0	2,192.4	2,207.1	2,204.8	12.3	4.5	174.59	43.9	-109.7	664.8	654.4	10.32	64.398	
2,400.0	2,281.8	2,294.5	2,291.9	13.2	4.7	174.25	37.5	-114.1	707.9	697.1	10.89	65.012	
2,500.0	2,371.2	2,370.9	2,368.0	14.1	4.9	173.98	32.7	-118.5	752.1	740.7	11.44	65.717	
2,600.0	2,460.6	2,445.5	2,442.3	15.1	5.1	173.74	28.9	-123.8	798.0	786.0	12.00	66.481	
2,700.0	2,550.0	2,522.8	2,519.3	16.0	5.3	173.49	25.6	-130.5	845.3	832.8	12.57	67.225	
2,800.0	2,639.4	2,607.2	2,603.2	17.0	5.5	173.19	22.0	-138.7	893.5	880.3	13.17	67.856	
2,900.0	2,728.8	2,695.3	2,690.8	17.9	5.7	172.89	18.0	-147.5	941.5	927.7	13.77	68.376	
3,000.0	2,818.2	2,779.3	2,774.2	18.9	5.9	172.60	14.1	-156.5	990.0	975.6	14.37	68.890	

<b>Company:</b>	Synergy Resources	<b>Local Co-ordinate Reference:</b>	Well SRC Weis 12-9CHZ
<b>Project:</b>	SEC.4-T4N-R68W	<b>TVD Reference:</b>	WELL @ 5077.0ft (Original Well Elev)
<b>Reference Site:</b>	SRC Kiehn Pad Sec.4-T4N-R68W	<b>MD Reference:</b>	WELL @ 5077.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	SRC Weis 12-9CHZ	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	Landmark
<b>Reference Design:</b>	Plan #1 (10-2-14)	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design      SRC Kiehn Pad Sec.4-T4N-R68W - SRC Kiehn 32-4CHZ - Wellbore #1 - Wellbore #1													Offset Site Error:      0.0 ft	
Survey Program: 72-MWD													Offset Well Error:      0.0 ft	
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.0	0.0	0.5	0.5	0.0	0.0	-55.16	29.5	-42.4	51.6	51.6	0.00	N/A CC, ES		
100.0	100.0	99.9	99.9	0.1	0.1	-55.07	29.8	-42.7	52.1	51.9	0.26	204.202		
200.0	200.0	199.1	199.1	0.3	0.4	-56.50	29.8	-45.1	54.1	53.3	0.70	77.083		
300.0	300.0	298.1	298.0	0.6	0.6	-60.01	28.7	-49.7	57.5	56.3	1.16	49.582		
400.0	400.0	397.0	396.5	0.8	0.9	-65.31	26.2	-57.1	62.9	61.3	1.64	38.440		
500.0	500.0	496.3	495.3	1.0	1.1	148.97	22.4	-66.1	71.5	69.4	2.08	34.380		
600.0	599.8	595.4	593.9	1.2	1.4	145.25	17.3	-75.3	83.2	80.6	2.52	32.962 SF		
700.0	699.5	691.9	689.7	1.4	1.7	143.15	11.8	-85.5	99.0	96.0	2.99	33.150		
800.0	798.7	787.0	784.0	1.7	2.0	143.80	9.5	-97.5	120.4	116.9	3.46	34.838		
900.0	897.5	883.5	879.7	2.0	2.2	146.79	11.9	-109.8	146.0	142.1	3.91	37.303		
1,000.0	995.6	981.8	977.3	2.4	2.5	149.95	15.3	-121.0	174.0	169.6	4.38	39.720		
1,100.0	1,093.1	1,082.3	1,077.1	2.8	2.8	151.12	12.8	-132.3	203.0	198.1	4.88	41.616		
1,200.0	1,189.6	1,182.9	1,177.1	3.3	3.1	151.71	6.9	-142.3	232.6	227.2	5.41	42.998		
1,300.0	1,285.3	1,285.4	1,278.8	3.8	3.3	152.01	-2.1	-150.9	262.7	256.7	5.98	43.911		
1,400.0	1,379.8	1,383.0	1,375.7	4.5	3.6	152.62	-10.9	-157.1	293.9	287.3	6.55	44.861		
1,500.0	1,473.2	1,485.3	1,477.7	5.1	3.8	153.87	-18.7	-160.6	326.1	319.0	7.11	45.852		
1,600.0	1,565.2	1,573.1	1,565.3	5.9	4.0	155.12	-24.2	-162.9	361.5	353.8	7.65	47.238		
1,700.0	1,655.8	1,666.3	1,658.3	6.8	4.2	156.37	-30.0	-165.8	400.4	392.2	8.22	48.732		
1,800.0	1,745.3	1,755.7	1,747.4	7.7	4.4	157.71	-35.4	-168.3	441.7	432.9	8.80	50.168		
1,900.0	1,834.7	1,839.0	1,830.5	8.6	4.6	158.81	-40.2	-171.6	484.3	474.9	9.40	51.505		
2,000.0	1,924.1	1,944.7	1,935.9	9.5	4.8	159.87	-47.6	-175.4	526.1	516.1	10.04	52.385		
2,100.0	2,013.5	2,030.9	2,021.9	10.4	5.0	160.63	-53.9	-177.6	567.1	556.5	10.64	53.283		
2,200.0	2,103.0	2,119.9	2,110.6	11.3	5.2	161.35	-59.8	-180.1	608.8	597.5	11.25	54.121		
2,300.0	2,192.4	2,207.8	2,198.3	12.3	5.4	161.97	-65.5	-182.8	650.8	638.9	11.85	54.903		
2,400.0	2,281.8	2,295.8	2,286.1	13.2	5.7	162.51	-71.1	-185.9	693.2	680.8	12.46	55.623		
2,500.0	2,371.2	2,376.6	2,366.7	14.1	5.8	162.98	-75.5	-189.0	736.4	723.4	13.05	56.419		
2,600.0	2,460.6	2,475.6	2,465.5	15.1	6.1	163.50	-80.8	-193.1	780.0	766.3	13.67	57.054		
2,700.0	2,550.0	2,568.1	2,557.7	16.0	6.3	163.83	-87.3	-196.9	822.6	808.3	14.30	57.530		
2,800.0	2,639.4	2,646.5	2,635.8	17.0	6.5	164.05	-92.9	-200.7	865.7	850.8	14.91	58.063		
2,900.0	2,728.8	2,728.4	2,717.4	17.9	6.7	164.27	-98.0	-205.4	910.0	894.5	15.53	58.609		
3,000.0	2,818.2	2,834.4	2,823.0	18.9	7.0	164.54	-104.6	-211.4	954.3	938.1	16.19	58.958		
3,100.0	2,907.6	2,926.3	2,914.5	19.8	7.2	164.74	-111.4	-215.5	997.0	980.2	16.81	59.303		

Offset Design      SRC Kiehn Pad Sec.4-T4N-R68W - SRC Kiehn 32-4NHZ - Wellbore #1 - Wellbore #1													Offset Site Error:      0.0 ft	
Survey Program:    110-MWD													Offset Well Error:      0.0 ft	
Reference		Offset		Semi Major Axis			Distance							
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning	
0.0	0.0	0.5	0.5	0.0	0.0	-33.54	29.9	-19.8	35.8	35.8	0.00	N/A	CC	
100.0	100.0	100.4	100.3	0.1	0.1	-34.90	29.5	-20.6	36.0	35.8	0.23	158.872	ES	
200.0	200.0	200.2	200.2	0.3	0.3	-38.21	28.8	-22.7	36.7	36.0	0.66	55.465		
300.0	300.0	300.2	300.2	0.6	0.5	-40.93	28.4	-24.7	37.6	36.6	1.09	34.486		
400.0	400.0	400.5	400.4	0.8	0.7	-43.54	27.7	-26.3	38.2	36.7	1.52	25.084		
500.0	500.0	500.8	500.7	1.0	0.9	174.32	26.6	-27.1	39.7	37.7	1.94	20.463		
600.0	599.8	599.8	599.7	1.2	1.2	172.58	25.3	-28.5	45.0	42.6	2.35	19.155	SF	
700.0	699.5	700.3	700.2	1.4	1.4	171.03	24.0	-30.9	54.6	51.8	2.77	19.677		
800.0	798.7	799.2	799.1	1.7	1.6	171.10	22.3	-31.6	65.9	62.8	3.19	20.657		
900.0	897.5	896.9	896.8	2.0	1.8	173.27	23.5	-31.7	82.4	78.8	3.62	22.776		
1,000.0	995.6	994.6	994.4	2.4	2.0	174.80	25.0	-32.5	103.0	98.9	4.05	25.412		
1,100.0	1,093.1	1,091.9	1,091.7	2.8	2.2	175.67	26.0	-33.6	126.9	122.4	4.49	28.266		
1,200.0	1,189.6	1,192.5	1,192.2	3.3	2.4	175.55	24.7	-35.3	152.9	148.0	4.94	30.975		
1,300.0	1,285.3	1,287.2	1,286.9	3.8	2.6	175.77	23.0	-35.6	181.0	175.7	5.37	33.711		
1,400.0	1,379.8	1,378.1	1,377.8	4.5	2.8	176.64	23.9	-35.0	213.8	208.0	5.81	36.820		
1,500.0	1,473.2	1,465.3	1,465.0	5.1	3.0	177.25	25.9	-35.7	251.7	245.5	6.25	40.265		
1,600.0	1,565.2	1,565.7	1,565.4	5.9	3.2	177.68	27.5	-36.8	292.6	285.9	6.71	43.604		
1,700.0	1,655.8	1,657.0	1,656.7	6.8	3.4	178.06	27.6	-36.0	334.3	327.2	7.14	46.805		
1,800.0	1,745.3	1,742.2	1,741.9	7.7	3.6	178.44	28.2	-35.3	378.9	371.3	7.63	49.671		
1,900.0	1,834.7	1,836.0	1,835.6	8.6	3.7	178.78	29.3	-34.8	424.2	416.1	8.15	52.029		
2,000.0	1,924.1	1,919.9	1,919.5	9.5	3.9	179.06	30.4	-34.1	469.4	460.7	8.66	54.177		
2,100.0	2,013.5	2,010.1	2,009.8	10.4	4.1	179.21	31.5	-34.3	515.1	505.9	9.20	56.023		
2,200.0	2,103.0	2,112.0	2,111.7	11.3	4.3	179.25	31.2	-34.4	559.8	550.0	9.74	57.449		
2,300.0	2,192.4	2,196.2	2,195.8	12.3	4.5	179.28	30.3	-33.9	603.6	593.3	10.27	58.784		
2,400.0	2,281.8	2,303.0	2,302.6	13.2	4.7	179.11	27.6	-34.7	647.0	636.2	10.84	59.692		
2,500.0	2,371.2	2,381.3	2,380.8	14.1	4.9	178.96	24.8	-35.2	689.8	678.4	11.36	60.702		
2,600.0	2,460.6	2,472.6	2,472.0	15.1	5.1	178.77	22.1	-36.7	733.5	721.6	11.92	61.547		
2,700.0	2,550.0	2,566.0	2,565.4	16.0	5.3	178.60	18.9	-37.9	776.7	764.2	12.48	62.262		
2,800.0	2,639.4	2,655.5	2,654.8	17.0	5.5	178.37	15.0	-39.7	819.8	806.8	13.03	62.914		
2,900.0	2,728.8	2,743.1	2,742.3	17.9	5.7	178.16	11.3	-41.7	863.1	849.5	13.59	63.525		
3,000.0	2,818.2	2,860.1	2,859.0	18.9	5.9	177.77	4.2	-45.2	905.5	891.3	14.21	63.735		
3,100.0	2,907.6	2,974.7	2,973.2	19.8	6.2	177.53	-4.9	-44.8	944.6	929.8	14.82	63.761		
3,200.0	2,997.0	3,059.2	3,057.6	20.7	6.4	177.53	-10.1	-42.3	983.4	968.1	15.36	64.016		

<b>Company:</b>	Synergy Resources	<b>Local Co-ordinate Reference:</b>	Well SRC Weis 12-9CHZ
<b>Project:</b>	SEC.4-T4N-R68W	<b>TVD Reference:</b>	WELL @ 5077.0ft (Original Well Elev)
<b>Reference Site:</b>	SRC Kiehn Pad Sec.4-T4N-R68W	<b>MD Reference:</b>	WELL @ 5077.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	SRC Weis 12-9CHZ	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	Landmark
<b>Reference Design:</b>	Plan #1 (10-2-14)	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.0 ft
SRC Kiehn Pad Sec.4-T4N-R68W - SRC Kiehn C-4CHZ - Wellbore #1 - Wellbore #1													Offset Well Error:	0.0 ft
Survey Program: 103-MWD														
Reference		Offset		Semi Major Axis			Distance							
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning	
0.0	0.0	0.5	0.5	0.0	0.0	5.27	30.2	2.8	30.4	30.4	0.00	N/A CC		
100.0	100.0	100.5	100.5	0.1	0.1	4.63	30.3	2.5	30.4	30.2	0.23	134.860		
200.0	200.0	200.2	200.2	0.3	0.3	3.25	30.7	1.7	30.7	30.0	0.66	46.353 ES		
300.0	300.0	299.6	299.6	0.6	0.5	0.95	32.8	0.5	32.9	31.8	1.11	29.711		
400.0	400.0	399.2	399.1	0.8	0.8	-0.77	36.0	-0.5	36.0	34.4	1.55	23.178		
500.0	500.0	498.7	498.5	1.0	1.0	-144.55	40.3	-2.0	41.8	39.8	1.98	21.086 SF		
600.0	599.8	597.9	597.5	1.2	1.2	-150.28	45.1	-4.5	51.4	49.0	2.40	21.360		
700.0	699.5	698.2	697.7	1.4	1.4	-155.55	49.6	-6.9	64.0	61.2	2.82	22.681		
800.0	798.7	800.0	799.4	1.7	1.6	-159.26	51.2	-7.3	76.9	73.7	3.22	23.861		
900.0	897.5	899.1	898.5	2.0	1.8	-162.48	50.6	-6.8	90.9	87.3	3.64	24.992		
1,000.0	995.6	996.3	995.8	2.4	2.0	-165.91	49.9	-7.6	109.1	105.0	4.07	26.789		
1,100.0	1,093.1	1,092.3	1,091.8	2.8	2.2	-168.88	49.9	-9.4	131.8	127.3	4.51	29.231		
1,200.0	1,189.6	1,191.6	1,191.1	3.3	2.4	-171.00	49.9	-10.4	157.9	152.9	4.94	31.931		
1,300.0	1,285.3	1,286.0	1,285.5	3.8	2.6	-172.28	49.8	-10.2	186.6	181.3	5.37	34.740		
1,400.0	1,379.8	1,377.7	1,377.2	4.5	2.8	-172.88	51.3	-9.4	219.8	213.9	5.82	37.752		
1,500.0	1,473.2	1,471.3	1,470.8	5.1	3.0	-173.35	53.3	-8.5	256.6	250.3	6.27	40.911		
1,600.0	1,565.2	1,565.7	1,565.1	5.9	3.2	-173.72	54.9	-7.1	296.0	289.3	6.72	44.059		
1,700.0	1,655.8	1,652.7	1,652.1	6.8	3.4	-174.21	56.0	-6.7	338.7	331.6	7.16	47.295		
1,800.0	1,745.3	1,740.6	1,739.9	7.7	3.6	-174.87	56.9	-7.5	384.5	376.8	7.65	50.228		
1,900.0	1,834.7	1,833.5	1,832.8	8.6	3.8	-175.52	57.4	-8.6	430.1	421.9	8.17	52.643		
2,000.0	1,924.1	1,917.4	1,916.8	9.5	4.0	-176.13	57.2	-10.3	475.7	467.0	8.68	54.816		
2,100.0	2,013.5	2,009.6	2,008.9	10.4	4.2	-176.64	57.4	-12.3	521.8	512.5	9.21	56.666		
2,200.0	2,103.0	2,109.8	2,109.1	11.3	4.4	-177.02	57.1	-12.9	566.5	556.8	9.74	58.141		
2,300.0	2,192.4	2,198.4	2,197.8	12.3	4.5	-177.27	56.1	-12.6	610.4	600.1	10.27	59.426		
2,400.0	2,281.8	2,282.1	2,281.4	13.2	4.7	-177.48	55.7	-12.7	654.8	644.0	10.80	60.615		
2,500.0	2,371.2	2,371.3	2,370.7	14.1	4.9	-177.71	55.4	-13.4	699.8	688.5	11.34	61.687		
2,600.0	2,460.6	2,454.5	2,453.8	15.1	5.1	-177.95	54.9	-14.6	745.0	733.1	11.88	62.732		
2,700.0	2,550.0	2,544.2	2,543.5	16.0	5.3	-178.14	55.2	-16.0	790.8	778.4	12.42	63.677		
2,800.0	2,639.4	2,637.8	2,637.1	17.0	5.5	-178.29	55.3	-16.8	836.0	823.1	12.97	64.477		
2,900.0	2,728.8	2,743.0	2,742.3	17.9	5.7	-178.40	54.8	-16.7	880.5	867.0	13.53	65.061		
3,000.0	2,818.2	2,836.8	2,836.1	18.9	5.9	-178.53	53.1	-16.1	923.6	909.5	14.08	65.581		
3,100.0	2,907.6	2,940.5	2,939.8	19.8	6.1	-178.58	51.3	-14.3	966.2	951.6	14.66	65.925		

Offset Design      SRC Kiehn Pad Sec.4-T4N-R68W - SRC Kiehn C-4NHZ - Wellbore #1 - Wellbore #1													Offset Site Error:	0.0 ft
Survey Program: 169-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	0.5	0.5	0.0	0.0	36.44	30.6	22.6	38.0	38.0	0.00	N/A		
100.0	100.0	100.9	100.9	0.1	0.1	35.19	30.6	21.6	37.5	37.2	0.23	163.888		
200.0	200.0	201.2	201.1	0.3	0.3	31.53	30.6	18.8	35.9	35.3	0.60	60.004		
300.0	300.0	301.1	301.1	0.6	0.5	28.74	30.0	16.4	34.2	33.2	1.03	33.248		
400.0	400.0	401.0	400.9	0.8	0.7	27.00	29.1	14.8	32.7	31.2	1.46	22.441		
446.9	446.9	447.7	447.6	0.9	0.8	-113.93	28.7	14.7	32.4	30.8	1.66	19.596 CC		
500.0	500.0	500.9	500.8	1.0	0.9	-115.70	28.3	14.7	32.6	30.7	1.87	17.389 ES		
600.0	599.8	600.9	600.8	1.2	1.1	-124.43	27.2	13.8	33.9	31.6	2.28	14.877		
700.0	699.5	701.1	701.0	1.4	1.3	-136.96	25.8	12.2	38.0	35.3	2.71	14.025 SF		
800.0	798.7	799.4	799.2	1.7	1.5	-145.42	23.7	13.6	45.4	42.2	3.14	14.446		
900.0	897.5	898.8	898.6	2.0	1.7	-153.67	23.7	13.9	58.9	55.3	3.58	16.438		
1,000.0	995.6	996.6	996.4	2.4	1.9	-162.58	21.8	10.9	75.8	71.8	4.01	18.889		
1,100.0	1,093.1	1,093.3	1,093.0	2.8	2.1	-167.36	21.3	9.3	97.7	93.3	4.45	21.977		
1,200.0	1,189.6	1,189.0	1,188.8	3.3	2.3	-170.17	21.7	8.4	124.0	119.1	4.89	25.378		
1,300.0	1,285.3	1,286.7	1,286.4	3.8	2.5	-172.18	21.8	7.7	153.4	148.1	5.32	28.812		
1,400.0	1,379.8	1,379.1	1,378.8	4.5	2.7	-172.99	22.7	8.8	185.8	180.0	5.76	32.247		
1,500.0	1,473.2	1,474.4	1,474.1	5.1	2.9	-173.36	24.3	10.8	221.8	215.6	6.21	35.687		
1,600.0	1,565.2	1,568.6	1,568.2	5.9	3.1	-173.27	26.2	14.6	260.1	253.4	6.67	38.992		
1,700.0	1,655.8	1,658.8	1,658.2	6.8	3.3	-172.95	28.7	19.6	301.4	294.2	7.14	42.237		
1,800.0	1,745.3	1,755.7	1,754.9	7.7	3.5	-172.76	30.8	25.6	344.3	336.6	7.65	44.983		
1,900.0	1,834.7	1,857.1	1,856.0	8.6	3.7	-172.79	30.4	32.5	385.1	377.0	8.20	46.986		
2,000.0	1,924.1	1,957.2	1,955.8	9.5	4.0	-172.85	27.7	40.5	423.7	415.0	8.75	48.421		
2,100.0	2,013.5	2,055.4	2,053.5	10.4	4.2	-172.75	24.8	49.8	461.2	451.9	9.32	49.471		
2,200.0	2,103.0	2,171.4	2,168.6	11.3	4.5	-172.78	17.9	61.7	496.0	486.1	9.93	49.964		
2,300.0	2,192.4	2,280.9	2,276.9	12.3	4.7	-173.03	6.2	74.1	526.4	515.9	10.52	50.053		
2,400.0	2,281.8	2,373.8	2,368.4	13.2	5.0	-173.11	-3.8	85.7	556.1	545.0	11.09	50.121		
2,500.0	2,371.2	2,467.5	2,460.9	14.1	5.3	-173.13	-13.1	97.6	586.4	574.7	11.68	50.189		
2,600.0	2,460.6	2,560.3	2,552.5	15.1	5.5	-172.98	-21.3	110.8	616.9	604.6	12.29	50.204		
2,700.0	2,550.0	2,644.0	2,634.9	16.0	5.8	-172.62	-26.5	124.3	648.4	635.5	12.90	50.267		
2,800.0	2,639.4	2,732.3	2,722.1	17.0	6.0	-172.28	-30.9	137.5	681.5	668.0	13.52	50.412		
2,900.0	2,728.8	2,826.1	2,814.7	17.9	6.3	-172.01	-35.6	151.1	714.8	700.7	14.15	50.515		
3,000.0	2,818.2	2,915.7	2,903.2	18.9	6.6	-171.71	-39.5	164.5	748.4	733.7	14.79	50.606		
3,100.0	2,907.6	2,999.6	2,986.1	19.8	6.8	-171.41	-42.3	177.1	783.0	767.6	15.42	50.774		
3,200.0	2,997.0	3,093.5	3,079.2	20.7	7.1	-171.22	-45.3	189.3	818.6	802.5	16.06	50.965		
3,300.0	3,086.5	3,194.0	3,178.8	21.7	7.4	-171.09	-49.8	202.2	853.2	836.5	16.71	51.051		
3,400.0	3,175.9	3,300.1	3,283.8	22.6	7.7	-170.93	-54.9	216.8	887.1	869.7	17.39	51.014		
3,500.0	3,265.3	3,420.4	3,402.4	23.6	8.1	-170.77	-63.2	234.5	918.8	900.7	18.11	50.737		
3,600.0	3,354.7	3,525.5	3,505.6	24.5	8.5	-170.53	-71.2	252.7	948.7	929.9	18.83	50.393		
3,700.0	3,444.1	3,619.0	3,597.2	25.5	8.9	-170.24	-78.1	270.2	978.1	958.6	19.54	50.065		

<b>Company:</b>	Synergy Resources	<b>Local Co-ordinate Reference:</b>	Well SRC Weis 12-9CHZ
<b>Project:</b>	SEC.4-T4N-R68W	<b>TVD Reference:</b>	WELL @ 5077.0ft (Original Well Elev)
<b>Reference Site:</b>	SRC Kiehn Pad Sec.4-T4N-R68W	<b>MD Reference:</b>	WELL @ 5077.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	SRC Weis 12-9CHZ	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	Landmark
<b>Reference Design:</b>	Plan #1 (10-2-14)	<b>Offset TVD Reference:</b>	Offset Datum

<b>Offset Design</b>												<b>Offset Site Error:</b>	0.0 ft
SRC Kiehn Pad Sec.4-T4N-R68W - SRC Kiehn N-4NHZ - Wellbore #1 - Plan #3 (9-24-14)R												<b>Offset Well Error:</b>	0.0 ft
Survey Program: 0-MWD													
Reference		Offset		Semi Major Axis			Distance						
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
0.0	0.0	0.5	0.5	0.0	0.0	-75.50	28.4	-109.8	113.5				
100.0	100.0	100.5	100.5	0.1	0.1	-75.50	28.4	-109.8	113.5	113.2	0.23	502.271	
200.0	200.0	200.5	200.5	0.3	0.3	-75.50	28.4	-109.8	113.5	112.8	0.68	167.981	
300.0	300.0	300.5	300.5	0.6	0.6	-75.50	28.4	-109.8	113.5	112.3	1.12	100.856	
400.0	400.0	400.5	400.5	0.8	0.8	-75.50	28.4	-109.8	113.5	111.9	1.57	72.060 CC, ES	
500.0	500.0	500.5	500.5	1.0	1.0	144.61	28.4	-109.8	114.9	112.9	2.00	57.364	
600.0	599.8	600.3	600.3	1.2	1.2	146.02	28.4	-109.8	119.2	116.8	2.42	49.189	
700.0	699.5	700.0	700.0	1.4	1.5	148.15	28.4	-109.8	126.5	123.6	2.86	44.253	
800.0	798.7	799.2	799.2	1.7	1.7	150.73	28.4	-109.8	137.0	133.7	3.31	41.432	
900.0	897.5	898.0	898.0	2.0	1.9	153.50	28.4	-109.8	150.9	147.1	3.77	40.077	
1,000.0	995.6	996.1	996.1	2.4	2.1	156.25	28.4	-109.8	168.2	164.0	4.23	39.780 SF	
1,100.0	1,093.1	1,093.6	1,093.6	2.8	2.3	158.84	28.4	-109.8	189.1	184.4	4.70	40.267	
1,200.0	1,189.6	1,190.1	1,190.1	3.3	2.6	161.17	28.4	-109.8	213.5	208.4	5.16	41.344	
1,300.0	1,285.3	1,285.8	1,285.8	3.8	2.8	163.24	28.4	-109.8	241.5	235.8	5.63	42.867	
1,400.0	1,379.8	1,380.3	1,380.3	4.5	3.0	165.03	28.4	-109.8	272.9	266.8	6.10	44.729	
1,500.0	1,473.2	1,468.8	1,468.8	5.1	3.2	166.37	28.3	-110.7	308.4	301.8	6.56	47.032	
1,600.0	1,565.2	1,553.8	1,553.7	5.9	3.4	167.14	27.6	-113.9	348.9	341.9	7.02	49.732	
1,700.0	1,655.8	1,636.0	1,635.7	6.8	3.5	167.49	26.5	-119.4	394.2	386.8	7.49	52.667	
1,800.0	1,745.3	1,715.6	1,715.0	7.7	3.7	167.69	25.0	-126.9	443.5	435.5	8.00	55.410	
1,900.0	1,834.7	1,793.7	1,792.4	8.6	3.9	167.69	23.2	-136.3	494.3	485.8	8.55	57.796	
2,000.0	1,924.1	1,870.1	1,868.0	9.5	4.1	167.49	20.9	-147.6	546.7	537.5	9.12	59.923	
2,100.0	2,013.5	1,947.3	1,944.0	10.4	4.3	167.15	18.3	-160.9	600.4	590.7	9.72	61.773	
2,200.0	2,103.0	2,031.3	2,026.6	11.3	4.5	166.79	15.3	-175.9	654.5	644.2	10.34	63.318	
2,300.0	2,192.4	2,115.3	2,109.2	12.3	4.8	166.48	12.3	-191.0	708.7	697.7	10.96	64.638	
2,400.0	2,281.8	2,199.3	2,191.8	13.2	5.1	166.22	9.3	-206.0	762.8	751.2	11.61	65.728	
2,500.0	2,371.2	2,283.4	2,274.4	14.1	5.3	165.99	6.3	-221.1	817.0	804.7	12.26	66.659	
2,600.0	2,460.6	2,367.4	2,357.0	15.1	5.6	165.79	3.3	-236.1	871.2	858.2	12.91	67.468	
2,700.0	2,550.0	2,451.4	2,439.6	16.0	5.9	165.61	0.3	-251.2	925.3	911.8	13.58	68.163	
2,800.0	2,639.4	2,535.4	2,522.2	17.0	6.2	165.45	-2.6	-266.3	979.5	965.3	14.24	68.765	



<b>Company:</b>	Synergy Resources	<b>Local Co-ordinate Reference:</b>	Well SRC Weis 12-9CHZ
<b>Project:</b>	SEC.4-T4N-R68W	<b>TVD Reference:</b>	WELL @ 5077.0ft (Original Well Elev)
<b>Reference Site:</b>	SRC Kiehn Pad Sec.4-T4N-R68W	<b>MD Reference:</b>	WELL @ 5077.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	SRC Weis 12-9CHZ	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	Landmark
<b>Reference Design:</b>	Plan #1 (10-2-14)	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.0 ft
Survey Program: 0-MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.0	0.0	0.0	0.0	0.0	0.0	-90.92	-0.4	-22.6	22.6					
100.0	100.0	100.0	100.0	0.1	0.1	-90.92	-0.4	-22.6	22.6	22.4	0.22	100.481		
200.0	200.0	200.0	200.0	0.3	0.3	-90.92	-0.4	-22.6	22.6	21.9	0.67	33.494		
300.0	300.0	300.0	300.0	0.6	0.6	-90.92	-0.4	-22.6	22.6	21.5	1.12	20.096		
400.0	400.0	400.0	400.0	0.8	0.8	-90.92	-0.4	-22.6	22.6	21.0	1.57	14.354 CC, ES		
500.0	500.0	500.0	500.0	1.0	1.0	131.97	-0.4	-22.6	23.7	21.7	2.00	11.853		
600.0	599.8	599.8	599.8	1.2	1.2	140.05	-0.4	-22.6	27.5	25.1	2.42	11.353		
700.0	699.5	699.5	699.5	1.4	1.5	149.27	-0.4	-22.6	34.6	31.8	2.86	12.121		
800.0	798.7	800.2	800.1	1.7	1.7	156.38	-1.6	-21.4	43.9	40.6	3.27	13.412		
900.0	897.5	901.3	901.1	2.0	1.9	161.18	-5.5	-17.8	53.6	49.9	3.68	14.561		
1,000.0	995.6	1,002.7	1,002.2	2.4	2.1	164.68	-12.0	-11.7	63.3	59.3	4.10	15.465		
1,100.0	1,093.1	1,104.6	1,103.2	2.8	2.3	167.41	-21.2	-3.1	73.2	68.7	4.53	16.165		
1,200.0	1,189.6	1,206.8	1,204.2	3.3	2.6	169.62	-33.0	8.0	83.1	78.1	4.98	16.695		
1,300.0	1,285.3	1,309.4	1,304.8	3.8	3.0	171.49	-47.5	21.6	93.0	87.5	5.44	17.084		
1,400.0	1,379.8	1,412.4	1,405.1	4.5	3.4	173.13	-64.7	37.6	102.8	96.9	5.93	17.353		
1,500.0	1,473.2	1,515.8	1,504.8	5.1	3.8	174.58	-84.6	56.3	112.6	106.2	6.43	17.519		
1,600.0	1,565.2	1,619.5	1,603.8	5.9	4.4	175.90	-107.2	77.4	122.3	115.4	6.95	17.589		
1,700.0	1,655.8	1,723.6	1,702.0	6.8	5.0	177.13	-132.5	101.1	132.0	124.5	7.50	17.594		
1,800.0	1,745.3	1,828.2	1,799.3	7.7	5.7	178.27	-160.5	127.3	140.6	132.5	8.12	17.318		
1,900.0	1,834.7	1,933.3	1,895.5	8.6	6.6	179.34	-191.2	156.1	145.9	137.1	8.80	16.583		
2,000.0	1,924.1	2,038.6	1,990.5	9.5	7.4	-179.57	-224.5	187.3	147.5	138.0	9.50	15.519		
2,100.0	2,013.5	2,140.0	2,080.6	10.4	8.4	-178.45	-258.4	219.0	146.5	136.3	10.23	14.318		
2,200.0	2,103.0	2,240.0	2,169.4	11.3	9.3	-177.34	-291.9	250.4	145.4	134.4	10.98	13.243		
2,300.0	2,192.4	2,339.9	2,258.2	12.3	10.2	-176.21	-325.5	281.8	144.4	132.6	11.76	12.280		
2,400.0	2,281.8	2,439.9	2,347.0	13.2	11.2	-175.06	-359.0	313.1	143.4	130.8	12.57	11.411		
2,500.0	2,371.2	2,539.8	2,435.8	14.1	12.1	-173.89	-392.5	344.5	142.5	129.1	13.41	10.623		
2,600.0	2,460.6	2,639.8	2,524.6	15.1	13.1	-172.72	-426.0	375.9	141.6	127.3	14.30	9.905		
2,700.0	2,550.0	2,739.8	2,613.4	16.0	14.0	-171.52	-459.5	407.2	140.8	125.6	15.23	9.247		
2,800.0	2,639.4	2,839.7	2,702.1	17.0	15.0	-170.32	-493.0	438.6	140.1	123.9	16.21	8.644		
2,900.0	2,728.8	2,939.7	2,790.9	17.9	16.0	-169.10	-526.5	470.0	139.4	122.2	17.24	8.089		
3,000.0	2,818.2	3,039.6	2,879.7	18.9	16.9	-167.87	-560.0	501.3	138.8	120.5	18.32	7.578		
3,100.0	2,907.6	3,139.6	2,968.5	19.8	17.9	-166.64	-593.5	532.7	138.3	118.8	19.46	7.106		
3,200.0	2,997.0	3,239.5	3,057.3	20.7	18.9	-165.39	-627.0	564.1	137.8	117.2	20.66	6.670		
3,300.0	3,086.5	3,339.5	3,146.1	21.7	19.8	-164.13	-660.5	595.4	137.4	115.5	21.92	6.268		
3,400.0	3,175.9	3,439.4	3,234.9	22.6	20.8	-162.87	-694.0	626.8	137.1	113.8	23.25	5.896		
3,500.0	3,265.3	3,539.4	3,323.7	23.6	21.8	-161.60	-727.5	658.2	136.8	112.1	24.63	5.552		
3,600.0	3,354.7	3,639.3	3,412.5	24.5	22.8	-160.33	-761.0	689.5	136.6	110.5	26.09	5.235		
3,700.0	3,444.1	3,739.3	3,501.3	25.5	23.7	-159.05	-794.5	720.9	136.4	108.8	27.60	4.942		
3,800.0	3,533.5	3,839.2	3,590.1	26.4	24.7	-157.78	-828.0	752.3	136.4	107.2	29.18	4.672		
3,859.2	3,586.4	3,898.4	3,642.7	27.0	25.3	-157.02	-847.8	770.9	136.3	106.2	30.15	4.522		
3,900.0	3,622.9	3,939.2	3,678.9	27.4	25.7	-156.50	-861.5	783.6	136.3	105.5	30.83	4.423		
4,000.0	3,712.3	4,039.1	3,767.7	28.3	26.7	-155.22	-895.0	815.0	136.4	103.9	32.53	4.193		
4,100.0	3,801.7	4,139.1	3,856.5	29.3	27.6	-153.94	-928.5	846.4	136.5	102.2	34.29	3.981		
4,200.0	3,891.1	4,239.1	3,945.3	30.2	28.6	-152.67	-962.0	877.7	136.7	100.6	36.12	3.786		
4,300.0	3,980.5	4,339.0	4,034.1	31.2	29.6	-151.40	-995.5	909.1	137.0	99.0	37.99	3.606		
4,400.0	4,070.0	4,439.0	4,122.8	32.1	30.6	-150.14	-1,029.0	940.5	137.3	97.4	39.93	3.440		
4,500.0	4,159.4	4,538.9	4,211.6	33.1	31.6	-148.88	-1,062.5	971.8	137.7	95.8	41.91	3.287		
4,600.0	4,248.8	4,638.9	4,300.4	34.0	32.5	-147.63	-1,096.0	1,003.2	138.2	94.3	43.94	3.145		
4,700.0	4,338.2	4,738.8	4,389.2	35.0	33.5	-146.39	-1,129.5	1,034.6	138.7	92.7	46.01	3.015		
4,800.0	4,427.6	4,838.8	4,478.0	35.9	34.5	-145.16	-1,163.0	1,066.0	139.3	91.2	48.13	2.895		
4,900.0	4,517.0	4,938.7	4,566.8	36.9	35.5	-143.94	-1,196.5	1,097.3	140.0	89.7	50.28	2.784		
5,000.0	4,606.4	5,038.7	4,655.6	37.8	36.5	-142.73	-1,230.0	1,128.7	140.7	88.2	52.47	2.681		

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

<b>Company:</b>	Synergy Resources	<b>Local Co-ordinate Reference:</b>	Well SRC Weis 12-9CHZ
<b>Project:</b>	SEC.4-T4N-R68W	<b>TVD Reference:</b>	WELL @ 5077.0ft (Original Well Elev)
<b>Reference Site:</b>	SRC Kiehn Pad Sec.4-T4N-R68W	<b>MD Reference:</b>	WELL @ 5077.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	SRC Weis 12-9CHZ	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	Landmark
<b>Reference Design:</b>	Plan #1 (10-2-14)	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design												Offset Site Error:	0.0ft
Survey Program: 0-MWID												Offset Well Error:	0.0ft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	
5,100.0	4,695.8	5,138.6	4,744.4	38.8	37.4	-141.54	-1,263.5	1,160.1	141.5	86.8	54.70	2.587	
5,200.0	4,785.2	5,238.6	4,833.2	39.7	38.4	-140.36	-1,297.1	1,191.4	142.3	85.4	56.95	2.499	
5,300.0	4,874.6	5,338.5	4,922.0	40.7	39.4	-139.19	-1,330.6	1,222.8	143.2	84.0	59.23	2.418	
5,400.0	4,964.0	5,438.5	5,010.8	41.6	40.4	-138.04	-1,364.1	1,254.2	144.2	82.7	61.53	2.343	
5,500.0	5,053.5	5,538.5	5,099.6	42.6	41.4	-136.91	-1,397.6	1,285.5	145.2	81.3	63.86	2.274	
5,600.0	5,142.9	5,638.4	5,188.4	43.5	42.3	-135.79	-1,431.1	1,316.9	146.3	80.1	66.21	2.209	
5,700.0	5,232.3	5,738.4	5,277.2	44.5	43.3	-134.68	-1,464.6	1,348.3	147.4	78.8	68.57	2.150	
5,800.0	5,321.7	5,838.3	5,366.0	45.4	44.3	-133.60	-1,498.1	1,379.6	148.6	77.7	70.94	2.095	
5,900.0	5,411.1	5,938.3	5,454.8	46.4	45.3	-132.53	-1,531.6	1,411.0	149.8	76.5	73.33	2.043	
6,000.0	5,500.5	6,038.2	5,543.6	47.3	46.3	-131.48	-1,565.1	1,442.4	151.1	75.4	75.72	1.996	
6,100.0	5,589.9	6,138.2	5,632.3	48.3	47.2	-130.45	-1,598.6	1,473.7	152.5	74.3	78.12	1.951	
6,200.0	5,679.3	6,238.1	5,721.1	49.2	48.2	-129.43	-1,632.1	1,505.1	153.8	73.3	80.53	1.910	
6,300.0	5,768.7	6,338.1	5,809.9	50.2	49.2	-128.44	-1,665.6	1,536.5	155.3	72.3	82.94	1.872	
6,400.0	5,858.1	6,438.0	5,898.7	51.1	50.2	-127.46	-1,699.1	1,567.8	156.8	71.4	85.36	1.836	
6,500.0	5,947.5	6,538.0	5,987.5	52.1	51.2	-126.50	-1,732.6	1,599.2	158.3	70.5	87.77	1.803	
6,600.0	6,037.0	6,637.9	6,076.3	53.0	52.1	-125.56	-1,766.1	1,630.6	159.8	69.7	90.18	1.772	
6,700.0	6,126.4	6,737.9	6,165.1	54.0	53.1	-124.64	-1,799.6	1,661.9	161.5	68.9	92.59	1.744	
6,800.0	6,215.8	6,845.4	6,262.4	54.9	53.9	-126.16	-1,836.4	1,688.5	160.8	68.1	92.77	1.734	
6,900.0	6,305.2	6,949.6	6,359.2	55.9	54.4	-133.01	-1,873.2	1,699.1	156.7	69.2	87.57	1.790	
7,000.0	6,396.1	7,048.8	6,451.7	56.6	54.8	-157.58	-1,908.6	1,695.2	154.4	75.8	78.56	1.965	
7,004.3	6,400.1	7,052.9	6,455.6	56.6	54.8	-158.74	-1,910.1	1,694.7	154.4	76.2	78.14	1.976	
7,100.0	6,488.9	7,144.5	6,539.7	57.1	55.0	173.79	-1,942.4	1,678.4	156.3	87.3	69.04	2.264	
7,200.0	6,581.8	7,237.3	6,622.1	57.5	55.1	145.58	-1,974.2	1,650.4	162.0	101.1	60.92	2.660	
7,300.0	6,673.0	7,327.4	6,698.2	57.7	55.1	122.29	-2,003.8	1,612.4	170.6	115.6	55.06	3.099	
7,400.0	6,760.6	7,415.2	6,767.5	57.8	55.0	104.82	-2,030.8	1,565.8	181.1	130.0	51.16	3.541	
7,500.0	6,843.1	7,500.0	6,828.8	57.8	54.9	92.08	-2,054.9	1,512.6	192.5	144.0	48.46	3.972	
7,600.0	6,918.7	7,585.5	6,884.2	57.8	54.8	82.63	-2,076.9	1,451.4	203.9	157.5	46.43	4.392	
7,700.0	6,986.0	7,668.4	6,931.1	57.6	54.6	75.68	-2,095.6	1,385.6	214.6	169.4	45.20	4.749	
7,800.0	7,043.8	7,750.0	6,970.0	57.5	54.5	70.57	-2,111.3	1,315.7	224.2	179.0	45.20	4.961	
7,900.0	7,090.8	7,831.2	7,001.0	57.2	54.3	66.86	-2,124.1	1,241.7	232.3	185.3	46.97	4.945	
8,000.0	7,126.1	7,911.5	7,023.8	57.0	54.1	64.30	-2,133.8	1,165.4	238.5	187.7	50.73	4.701	
8,100.0	7,149.2	7,991.4	7,038.4	56.8	53.9	62.73	-2,140.3	1,087.2	242.6	186.4	56.28	4.311	
8,200.0	7,159.4	8,071.0	7,044.7	56.5	53.7	62.03	-2,143.8	1,008.0	244.6	181.5	63.12	3.876	
8,300.0	7,160.0	8,165.5	7,045.0	56.2	53.5	61.99	-2,145.1	913.5	244.9	178.8	66.02	3.709	
8,400.0	7,160.0	8,265.5	7,045.0	56.0	53.4	62.00	-2,146.4	813.5	244.9	177.6	67.36	3.636	
8,500.0	7,160.0	8,365.5	7,045.0	55.8	53.3	62.01	-2,147.6	713.5	245.0	176.0	69.04	3.549	
8,600.0	7,160.0	8,465.5	7,045.0	55.7	53.3	62.02	-2,148.9	613.5	245.1	174.1	71.03	3.451	
8,700.0	7,160.0	8,565.5	7,045.0	55.6	53.4	62.03	-2,150.2	513.5	245.2	171.9	73.31	3.344	
8,800.0	7,160.0	8,665.5	7,045.0	55.6	53.6	62.04	-2,151.5	413.5	245.3	169.4	75.85	3.233	
8,900.0	7,160.0	8,765.5	7,045.0	55.7	53.9	62.05	-2,152.7	313.6	245.3	166.7	78.63	3.120	
9,000.0	7,160.0	8,865.5	7,045.0	55.8	54.3	62.06	-2,154.0	213.6	245.4	163.8	81.63	3.006	
9,100.0	7,160.0	8,965.5	7,045.0	56.1	55.0	62.07	-2,155.3	113.6	245.5	160.7	84.81	2.894	
9,200.0	7,160.0	9,065.5	7,045.0	56.6	55.8	62.08	-2,156.6	13.6	245.6	157.4	88.17	2.785	
9,300.0	7,160.0	9,165.5	7,045.0	57.3	56.9	62.09	-2,157.8	-86.4	245.6	154.0	91.68	2.679	
9,400.0	7,160.0	9,265.5	7,045.0	58.3	58.2	62.09	-2,159.1	-186.4	245.7	150.4	95.32	2.578	
9,500.0	7,160.0	9,365.5	7,045.0	59.5	59.7	62.10	-2,160.4	-286.4	245.8	146.7	99.08	2.481	
9,600.0	7,160.0	9,465.5	7,045.0	61.0	61.4	62.11	-2,161.7	-386.4	245.9	142.9	102.95	2.388	
9,700.0	7,160.0	9,565.5	7,045.0	62.8	63.3	62.12	-2,162.9	-486.4	246.0	139.0	106.92	2.300	
9,800.0	7,160.0	9,665.5	7,045.0	64.7	65.3	62.13	-2,164.2	-586.4	246.0	135.1	110.97	2.217	
9,900.0	7,160.0	9,765.5	7,045.0	66.7	67.4	62.14	-2,165.5	-686.4	246.1	131.0	115.10	2.138	
10,000.0	7,160.0	9,865.5	7,045.0	68.9	69.6	62.15	-2,166.8	-786.4	246.2	126.9	119.30	2.064	
10,100.0	7,160.0	9,965.5	7,045.0	71.2	71.8	62.16	-2,168.0	-886.3	246.3	122.7	123.56	1.993	

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

<b>Company:</b>	Synergy Resources	<b>Local Co-ordinate Reference:</b>	Well SRC Weis 12-9CHZ
<b>Project:</b>	SEC.4-T4N-R68W	<b>TVD Reference:</b>	WELL @ 5077.0ft (Original Well Elev)
<b>Reference Site:</b>	SRC Kiehn Pad Sec.4-T4N-R68W	<b>MD Reference:</b>	WELL @ 5077.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	SRC Weis 12-9CHZ	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	Landmark
<b>Reference Design:</b>	Plan #1 (10-2-14)	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SRC Kiehn Pad Sec.4-T4N-R68W - SRC Weis 12-9NHZ - Wellbore #1 - Plan #1 (10-2-14)												Offset Site Error:	0.0 ft
Survey Program: 0-MWD												Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	
10,200.0	7,160.0	10,065.5	7,045.0	73.5	74.2	62.17	-2,169.3	-986.3	246.3	118.5	127.88	1.926	
10,300.0	7,160.0	10,165.5	7,045.0	75.8	76.5	62.18	-2,170.6	-1,086.3	246.4	114.2	132.24	1.863	
10,400.0	7,160.0	10,265.5	7,045.0	78.3	78.9	62.19	-2,171.8	-1,186.3	246.5	109.8	136.66	1.804	
10,500.0	7,160.0	10,365.5	7,045.0	80.7	81.4	62.20	-2,173.1	-1,286.3	246.6	105.5	141.11	1.747	
10,600.0	7,160.0	10,465.5	7,045.0	83.2	83.9	62.21	-2,174.4	-1,386.3	246.6	101.0	145.60	1.694	
10,700.0	7,160.0	10,565.5	7,045.0	85.7	86.4	62.22	-2,175.7	-1,486.3	246.7	96.6	150.13	1.643	
10,800.0	7,160.0	10,665.5	7,045.0	88.2	88.9	62.23	-2,176.9	-1,586.3	246.8	92.1	154.68	1.596	
10,900.0	7,160.0	10,765.5	7,045.0	90.8	91.4	62.24	-2,178.2	-1,686.3	246.9	87.6	159.27	1.550	
11,000.0	7,160.0	10,865.5	7,045.0	93.3	94.0	62.25	-2,179.5	-1,786.3	247.0	83.1	163.88	1.507	
11,100.0	7,160.0	10,965.5	7,045.0	95.9	96.5	62.26	-2,180.8	-1,886.3	247.0	78.5	168.52	1.466 Level 3	
11,200.0	7,160.0	11,065.5	7,045.0	98.5	99.1	62.27	-2,182.0	-1,986.3	247.1	73.9	173.18	1.427 Level 3	
11,300.0	7,160.0	11,165.5	7,045.0	101.1	101.7	62.27	-2,183.3	-2,086.2	247.2	69.3	177.86	1.390 Level 3	
11,400.0	7,160.0	11,265.5	7,045.0	103.7	104.3	62.28	-2,184.6	-2,186.2	247.3	64.7	182.56	1.354 Level 3	
11,500.0	7,160.0	11,365.5	7,045.0	106.3	107.0	62.29	-2,185.9	-2,286.2	247.3	60.1	187.28	1.321 Level 3	
11,600.0	7,160.0	11,465.5	7,045.0	109.0	109.6	62.30	-2,187.1	-2,386.2	247.4	55.4	192.01	1.289 Level 3	
11,700.0	7,160.0	11,565.5	7,045.0	111.6	112.2	62.31	-2,188.4	-2,486.2	247.5	50.7	196.76	1.258 Level 3	
11,800.0	7,160.0	11,665.5	7,045.0	114.3	114.9	62.32	-2,189.7	-2,586.2	247.6	46.0	201.52	1.229 Level 2	
11,900.0	7,160.0	11,765.5	7,045.0	116.9	117.5	62.33	-2,191.0	-2,686.2	247.6	41.3	206.30	1.200 Level 2	
12,000.0	7,160.0	11,865.5	7,045.0	119.6	120.2	62.34	-2,192.2	-2,786.2	247.7	36.6	211.09	1.174 Level 2	
12,100.0	7,160.0	11,965.5	7,045.0	122.2	122.8	62.35	-2,193.5	-2,886.2	247.8	31.9	215.89	1.148 Level 2	
12,200.0	7,160.0	12,065.5	7,045.0	124.9	125.5	62.36	-2,194.8	-2,986.2	247.9	27.2	220.71	1.123 Level 2	
12,247.9	7,160.0	12,113.3	7,045.0	125.7	126.8	62.36	-2,195.4	-3,034.0	247.9	25.4	222.56	1.114 Level 2	
12,287.5	7,160.0	12,150.7	7,045.0	126.4	127.8	62.37	-2,195.9	-3,071.4	248.0	23.9	224.04	1.107 Level 2, SF	

SRC Kiehn Pad Sec.4-T4N-R68W - SRC Weis A-9CHZ - Wellbore #1 - Plan #1 (10-2-14)													Offset Site Error:	0.0 ft
Survey Program: 0-MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance							
Measured Depth	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	-90.93	-0.7	-44.9	44.9					
100.0	100.0	100.0	100.0	0.1	0.1	-90.93	-0.7	-44.9	44.9	44.7	0.22	199.721		
200.0	200.0	200.0	200.0	0.3	0.3	-90.93	-0.7	-44.9	44.9	44.2	0.67	66.574		
300.0	300.0	300.0	300.0	0.6	0.6	-90.93	-0.7	-44.9	44.9	43.8	1.12	39.944		
400.0	400.0	400.0	400.0	0.8	0.8	-90.93	-0.7	-44.9	44.9	43.3	1.57	28.532	CC, ES	
500.0	500.0	500.0	500.0	1.0	1.0	130.36	-0.7	-44.9	46.0	44.0	2.00	22.993		
600.0	599.8	599.8	599.8	1.2	1.2	134.93	-0.7	-44.9	49.6	47.1	2.42	20.465		
700.0	699.5	699.5	699.5	1.4	1.5	141.15	-0.7	-44.9	56.1	53.2	2.86	19.603		
800.0	798.7	798.7	798.7	1.7	1.7	147.68	-0.7	-44.9	66.0	62.7	3.31	19.946		
900.0	897.5	897.5	897.5	2.0	1.9	153.57	-0.7	-44.9	79.7	75.9	3.76	21.174		
1,000.0	995.6	998.8	998.8	2.4	2.1	158.34	-1.9	-43.6	95.6	91.4	4.20	22.776		
1,100.0	1,093.1	1,100.9	1,100.8	2.8	2.3	161.96	-5.6	-39.8	111.8	107.2	4.61	24.244		
1,200.0	1,189.6	1,203.6	1,203.1	3.3	2.5	164.85	-11.7	-33.2	128.1	123.1	5.04	25.435		
1,300.0	1,285.3	1,307.0	1,305.6	3.8	2.8	167.27	-20.5	-23.8	144.6	139.1	5.48	26.390		
1,400.0	1,379.8	1,411.0	1,408.3	4.5	3.0	169.35	-31.9	-11.7	161.0	155.1	5.93	27.140		
1,500.0	1,473.2	1,515.7	1,511.0	5.1	3.4	171.19	-45.9	3.2	177.4	171.0	6.40	27.713		
1,600.0	1,565.2	1,621.1	1,613.5	5.9	3.8	172.86	-62.5	20.9	193.8	186.9	6.89	28.128		
1,700.0	1,655.8	1,727.1	1,715.6	6.8	4.3	174.40	-81.9	41.5	210.1	202.7	7.40	28.399		
1,800.0	1,745.3	1,833.9	1,817.4	7.7	4.8	175.84	-104.0	65.1	225.4	217.4	7.98	28.254		
1,900.0	1,834.7	1,941.7	1,918.9	8.6	5.5	177.18	-129.0	91.7	237.3	228.7	8.60	27.598		
2,000.0	1,924.1	2,050.4	2,019.7	9.5	6.2	178.47	-156.7	121.2	245.6	236.3	9.26	26.510		
2,100.0	2,013.5	2,159.6	2,119.4	10.4	7.0	179.78	-187.3	153.7	250.2	240.2	9.97	25.103		
2,200.0	2,103.0	2,265.1	2,214.1	11.3	7.9	-178.90	-219.0	187.6	251.4	240.7	10.69	23.506		
2,300.0	2,192.4	2,364.9	2,303.5	12.3	8.8	-177.64	-249.5	220.0	252.1	240.6	11.44	22.028		
2,400.0	2,281.8	2,464.8	2,392.9	13.2	9.7	-176.38	-280.0	252.5	252.9	240.6	12.23	20.682		
2,500.0	2,371.2	2,564.6	2,482.2	14.1	10.6	-175.13	-310.5	285.0	253.8	240.7	13.05	19.450		
2,600.0	2,460.6	2,664.5	2,571.6	15.1	11.5	-173.90	-341.0	317.4	254.8	240.9	13.91	18.318		
2,700.0	2,550.0	2,764.3	2,660.9	16.0	12.4	-172.67	-371.5	349.9	256.0	241.2	14.82	17.275		
2,800.0	2,639.4	2,864.2	2,750.3	17.0	13.4	-171.45	-402.0	382.4	257.3	241.5	15.77	16.313		
2,900.0	2,728.8	2,964.0	2,839.6	17.9	14.3	-170.25	-432.5	414.8	258.6	241.9	16.77	15.423		
3,000.0	2,818.2	3,063.8	2,929.0	18.9	15.2	-169.06	-463.0	447.3	260.1	242.3	17.82	14.601		
3,100.0	2,907.6	3,163.7	3,018.3	19.8	16.2	-167.88	-493.5	479.8	261.8	242.8	18.91	13.840		
3,200.0	2,997.0	3,263.5	3,107.7	20.7	17.1	-166.72	-524.0	512.3	263.5	243.4	20.06	13.135		
3,300.0	3,086.5	3,363.4	3,197.1	21.7	18.0	-165.57	-554.5	544.7	265.3	244.1	21.25	12.483		
3,400.0	3,175.9	3,463.2	3,286.4	22.6	19.0	-164.45	-585.0	577.2	267.2	244.7	22.50	11.880		
3,500.0	3,265.3	3,563.1	3,375.8	23.6	19.9	-163.33	-615.5	609.7	269.3	245.5	23.78	11.321		
3,600.0	3,354.7	3,662.9	3,465.1	24.5	20.9	-162.24	-646.0	642.1	271.4	246.3	25.12	10.804		
3,700.0	3,444.1	3,762.7	3,554.5	25.5	21.8	-161.16	-676.5	674.6	273.6	247.1	26.50	10.326		
3,800.0	3,533.5	3,862.6	3,643.8	26.4	22.8	-160.10	-707.0	707.1	276.0	248.1	27.93	9.883		
3,900.0	3,622.9	3,962.4	3,733.2	27.4	23.7	-159.05	-737.5	739.6	278.4	249.0	29.39	9.472		
4,000.0	3,712.3	4,062.3	3,822.5	28.3	24.7	-158.03	-768.0	772.0	280.9	250.0	30.90	9.092		
4,100.0	3,801.7	4,162.1	3,911.9	29.3	25.6	-157.02	-798.5	804.5	283.5	251.1	32.44	8.739		
4,200.0	3,891.1	4,262.0	4,001.2	30.2	26.6	-156.04	-829.0	837.0	286.2	252.2	34.02	8.412		
4,300.0	3,980.5	4,361.8	4,090.6	31.2	27.5	-155.07	-859.5	869.4	289.0	253.3	35.64	8.109		
4,400.0	4,070.0	4,461.6	4,180.0	32.1	28.5	-154.12	-890.0	901.9	291.8	254.5	37.29	7.827		
4,500.0	4,159.4	4,561.5	4,269.3	33.1	29.4	-153.19	-920.5	934.4	294.8	255.8	38.96	7.565		
4,600.0	4,248.8	4,661.3	4,358.7	34.0	30.4	-152.27	-950.9	966.8	297.8	257.1	40.67	7.322		
4,700.0	4,338.2	4,761.2	4,448.0	35.0	31.3	-151.38	-981.4	999.3	300.9	258.5	42.41	7.095		
4,800.0	4,427.6	4,861.0	4,537.4	35.9	32.3	-150.50	-1,011.9	1,031.8	304.0	259.8	44.17	6.884		
4,900.0	4,517.0	4,960.9	4,626.7	36.9	33.2	-149.65	-1,042.4	1,064.3	307.2	261.3	45.95	6.687		
5,000.0	4,606.4	5,060.7	4,716.1	37.8	34.2	-148.81	-1,072.9	1,096.7	310.5	262.8	47.75	6.503		
5,100.0	4,695.8	5,160.5	4,805.4	38.8	35.1	-147.98	-1,103.4	1,129.2	313.9	264.3	49.58	6.331		

COMPASS 2003.21 Build 46

<b>Company:</b>	Synergy Resources	<b>Local Co-ordinate Reference:</b>	Well SRC Weis 12-9CHZ
<b>Project:</b>	SEC.4-T4N-R68W	<b>TVD Reference:</b>	WELL @ 5077.0ft (Original Well Elev)
<b>Reference Site:</b>	SRC Kiehn Pad Sec.4-T4N-R68W	<b>MD Reference:</b>	WELL @ 5077.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	SRC Weis 12-9CHZ	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	Landmark
<b>Reference Design:</b>	Plan #1 (10-2-14)	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design												Offset Site Error:	0.0 ft
Survey Program: 0-MWD												Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	
5,200.0	4,785.2	5,260.4	4,894.8	39.7	36.1	-147.18	-1,133.9	1,161.7	317.3	265.9	51.43	6.170	
5,300.0	4,874.6	5,360.2	4,984.1	40.7	37.1	-146.39	-1,164.4	1,194.1	320.8	267.5	53.29	6.019	
5,400.0	4,964.0	5,460.1	5,073.5	41.6	38.0	-145.62	-1,194.9	1,226.6	324.3	269.2	55.17	5.878	
5,500.0	5,053.5	5,559.9	5,162.9	42.6	39.0	-144.87	-1,225.4	1,259.1	327.9	270.9	57.07	5.746	
5,600.0	5,142.9	5,659.8	5,252.2	43.5	39.9	-144.13	-1,255.9	1,291.5	331.6	272.6	58.98	5.622	
5,700.0	5,232.3	5,759.6	5,341.6	44.5	40.9	-143.41	-1,286.4	1,324.0	335.3	274.4	60.90	5.505	
5,800.0	5,321.7	5,859.4	5,430.9	45.4	41.8	-142.70	-1,316.9	1,356.5	339.1	276.2	62.84	5.396	
5,900.0	5,411.1	5,959.3	5,520.3	46.4	42.8	-142.01	-1,347.4	1,389.0	342.9	278.1	64.78	5.292	
6,000.0	5,500.5	6,059.1	5,609.6	47.3	43.7	-141.34	-1,377.9	1,421.4	346.7	280.0	66.74	5.195	
6,100.0	5,589.9	6,159.0	5,699.0	48.3	44.7	-140.68	-1,408.4	1,453.9	350.6	281.9	68.71	5.103	
6,200.0	5,679.3	6,258.8	5,788.3	49.2	45.7	-140.03	-1,438.9	1,486.4	354.6	283.9	70.68	5.017	
6,300.0	5,768.7	6,358.7	5,877.7	50.2	46.6	-139.40	-1,469.4	1,518.8	358.6	285.9	72.66	4.935	
6,400.0	5,858.1	6,458.5	5,967.1	51.1	47.6	-138.79	-1,499.9	1,551.3	362.6	288.0	74.65	4.857	
6,500.0	5,947.5	6,558.4	6,056.4	52.1	48.5	-138.18	-1,530.4	1,583.8	366.7	290.0	76.65	4.784	
6,600.0	6,037.0	6,658.2	6,145.8	53.0	49.5	-137.59	-1,560.9	1,616.3	370.8	292.2	78.65	4.715	
6,700.0	6,126.4	6,758.0	6,235.1	54.0	50.4	-137.02	-1,591.4	1,648.7	375.0	294.3	80.66	4.649	
6,800.0	6,215.8	6,862.3	6,329.3	54.9	51.3	-136.94	-1,623.6	1,679.4	378.8	296.7	82.08	4.615	
6,900.0	6,305.2	6,967.0	6,427.0	55.9	51.8	-139.01	-1,657.2	1,696.1	381.2	300.1	81.11	4.700	
7,000.0	6,396.1	7,067.9	6,522.2	56.6	52.2	-157.67	-1,690.1	1,697.8	383.9	305.5	78.34	4.900	
7,100.0	6,488.9	7,165.9	6,614.1	57.1	52.4	179.58	-1,722.1	1,686.0	387.6	312.4	75.29	5.149	
7,200.0	6,581.8	7,261.4	6,701.2	57.5	52.5	156.74	-1,752.6	1,661.7	392.4	320.1	72.34	5.425	
7,300.0	6,673.0	7,354.6	6,782.5	57.7	52.5	137.99	-1,781.2	1,626.4	398.0	328.3	69.76	5.706	
7,400.0	6,760.6	7,445.8	6,857.2	57.8	52.4	124.15	-1,807.7	1,581.4	404.1	336.4	67.73	5.967	
7,500.0	6,843.1	7,535.2	6,924.5	57.8	52.3	114.13	-1,831.7	1,527.8	410.4	344.1	66.34	6.187	
7,600.0	6,918.7	7,623.2	6,984.0	57.8	52.1	106.77	-1,853.1	1,466.8	416.7	351.0	65.68	6.345	
7,700.0	6,986.0	7,709.8	7,035.3	57.6	51.9	101.28	-1,871.8	1,399.6	422.6	358.8	65.77	6.425	
7,800.0	7,043.8	7,795.4	7,078.0	57.5	51.8	97.17	-1,887.6	1,327.1	427.9	361.3	66.68	6.418	
7,900.0	7,090.8	7,880.2	7,112.0	57.2	51.6	94.15	-1,900.4	1,250.6	432.4	364.0	68.40	6.322	
8,000.0	7,126.1	7,964.3	7,137.0	57.0	51.4	92.02	-1,910.1	1,171.0	436.0	365.1	70.88	6.151	
8,100.0	7,149.2	8,050.0	7,153.2	56.8	51.2	90.66	-1,916.9	1,087.1	438.4	364.4	73.98	5.925	
8,200.0	7,159.4	8,131.3	7,159.7	56.5	51.1	90.05	-1,920.3	1,006.2	439.5	362.0	77.51	5.671	
8,300.0	7,160.0	8,227.2	7,160.0	56.2	51.0	90.00	-1,921.7	910.3	439.6	360.2	79.49	5.531	
8,400.0	7,160.0	8,327.2	7,160.0	56.0	50.9	90.00	-1,923.0	810.3	439.6	358.6	81.05	5.424	
8,500.0	7,160.0	8,427.2	7,160.0	55.8	50.9	90.00	-1,924.4	710.3	439.6	356.7	82.96	5.299	
8,600.0	7,160.0	8,527.2	7,160.0	55.7	51.1	90.00	-1,925.7	610.3	439.6	354.4	85.20	5.160	
8,700.0	7,160.0	8,627.2	7,160.0	55.6	51.3	90.00	-1,927.1	510.3	439.6	351.9	87.74	5.011	
8,800.0	7,160.0	8,727.2	7,160.0	55.6	51.7	90.00	-1,928.5	410.3	439.6	349.1	90.56	4.855	
8,900.0	7,160.0	8,827.2	7,160.0	55.7	52.3	90.00	-1,929.8	310.3	439.6	346.0	93.62	4.696	
9,000.0	7,160.0	8,927.2	7,160.0	55.8	53.0	90.00	-1,931.2	210.3	439.6	342.7	96.92	4.536	
9,100.0	7,160.0	9,027.2	7,160.0	56.1	53.9	90.00	-1,932.5	110.4	439.6	339.2	100.42	4.378	
9,200.0	7,160.0	9,127.2	7,160.0	56.6	55.0	90.00	-1,933.9	10.4	439.6	335.5	104.10	4.223	
9,300.0	7,160.0	9,227.2	7,160.0	57.3	56.4	90.00	-1,935.3	-89.6	439.6	331.7	107.95	4.073	
9,400.0	7,160.0	9,327.2	7,160.0	58.3	57.9	90.00	-1,936.6	-189.6	439.6	327.7	111.95	3.927	
9,500.0	7,160.0	9,427.2	7,160.0	59.5	59.6	90.00	-1,938.0	-289.6	439.6	323.6	116.09	3.787	
9,600.0	7,160.0	9,527.2	7,160.0	61.0	61.4	90.00	-1,939.4	-389.6	439.6	319.3	120.34	3.653	
9,700.0	7,160.0	9,627.2	7,160.0	62.8	63.4	90.00	-1,940.7	-489.6	439.6	314.9	124.70	3.526	
9,800.0	7,160.0	9,727.2	7,160.0	64.7	65.5	90.00	-1,942.1	-589.6	439.6	310.5	129.15	3.404	
9,900.0	7,160.0	9,827.2	7,160.0	66.7	67.6	90.00	-1,943.4	-689.6	439.6	305.9	133.70	3.288	
10,000.0	7,160.0	9,927.2	7,160.0	68.9	69.8	90.00	-1,944.8	-789.6	439.6	301.3	138.32	3.179	
10,100.0	7,160.0	10,027.2	7,160.0	71.2	72.1	90.00	-1,946.2	-889.6	439.6	296.6	143.01	3.074	
10,200.0	7,160.0	10,127.2	7,160.0	73.5	74.4	90.00	-1,947.5	-989.5	439.6	291.9	147.76	2.975	
10,300.0	7,160.0	10,227.2	7,160.0	75.8	76.8	90.00	-1,948.9	-1,089.5	439.6	287.1	152.58	2.881	

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

Offset Design      SRC Kiehn Pad Sec.4-T4N-R68W - SRC Weis A-9CHZ - Wellbore #1 - Plan #1 (10-2-14)													Offset Site Error:      0.0 ft	
Survey Program:    0-MWD													Offset Well Error:      0.0 ft	
Reference		Offset		Semi Major Axis			Distance							
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning	
10,400.0	7,160.0	10,327.2	7,160.0	78.3	79.2	90.00	-1,950.2	-1,189.5	439.6	282.2	157.44	2.792		
10,500.0	7,160.0	10,427.2	7,160.0	80.7	81.7	90.00	-1,951.6	-1,289.5	439.6	277.3	162.36	2.708		
10,600.0	7,160.0	10,527.2	7,160.0	83.2	84.1	90.00	-1,953.0	-1,389.5	439.6	272.3	167.32	2.628		
10,700.0	7,160.0	10,627.2	7,160.0	85.7	86.6	90.00	-1,954.3	-1,489.5	439.6	267.3	172.31	2.551		
10,800.0	7,160.0	10,727.2	7,160.0	88.2	89.1	90.00	-1,955.7	-1,589.5	439.6	262.3	177.35	2.479		
10,900.0	7,160.0	10,827.2	7,160.0	90.8	91.7	90.00	-1,957.1	-1,689.5	439.6	257.2	182.41	2.410		
11,000.0	7,160.0	10,927.2	7,160.0	93.3	94.2	90.00	-1,958.4	-1,789.5	439.6	252.1	187.51	2.345		
11,100.0	7,160.0	11,027.2	7,160.0	95.9	96.8	90.00	-1,959.8	-1,889.5	439.6	247.0	192.64	2.282		
11,200.0	7,160.0	11,127.2	7,160.0	98.5	99.4	90.00	-1,961.1	-1,989.5	439.6	241.9	197.79	2.223		
11,300.0	7,160.0	11,227.2	7,160.0	101.1	102.0	90.00	-1,962.5	-2,089.4	439.6	236.7	202.97	2.166		
11,400.0	7,160.0	11,327.2	7,160.0	103.7	104.6	90.00	-1,963.9	-2,189.4	439.6	231.5	208.17	2.112		
11,500.0	7,160.0	11,427.2	7,160.0	106.3	107.2	90.00	-1,965.2	-2,289.4	439.6	226.3	213.39	2.060		
11,600.0	7,160.0	11,527.2	7,160.0	109.0	109.8	90.00	-1,966.6	-2,389.4	439.6	221.0	218.63	2.011		
11,700.0	7,160.0	11,627.2	7,160.0	111.6	112.5	90.00	-1,967.9	-2,489.4	439.6	215.8	223.88	1.964		
11,800.0	7,160.0	11,727.2	7,160.0	114.3	115.1	90.00	-1,969.3	-2,589.4	439.6	210.5	229.16	1.919		
11,900.0	7,160.0	11,827.2	7,160.0	116.9	117.7	90.00	-1,970.7	-2,689.4	439.6	205.2	234.45	1.875		
12,000.0	7,160.0	11,927.2	7,160.0	119.6	120.4	90.00	-1,972.0	-2,789.4	439.6	199.9	239.75	1.834		
12,100.0	7,160.0	12,027.2	7,160.0	122.2	123.1	90.00	-1,973.4	-2,889.4	439.6	194.6	245.07	1.794		
12,200.0	7,160.0	12,127.2	7,160.0	124.9	125.7	90.00	-1,974.7	-2,989.4	439.6	189.2	250.40	1.756		
12,253.6	7,160.0	12,180.8	7,160.0	125.8	127.2	90.00	-1,975.5	-3,042.9	439.6	187.0	252.69	1.740		
12,287.5	7,160.0	12,209.7	7,160.0	126.4	127.9	90.00	-1,975.9	-3,071.9	439.7	185.7	254.02	1.731 SF		



Offset Design      SRC Kiehn Pad Sec.4-T4N-R68W - SRC Weis A-9NHZ - Wellbore #1 - Plan #1 (10-2-14)													Offset Site Error:      0.0 ft	
Survey Program: 0-MWD													Offset Well Error:      0.0 ft	
Reference		Offset		Semi Major Axis			Distance							
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning	
0.0	0.0	0.0	0.0	0.0	0.0	-90.93	-1.1	-67.5	67.5					
100.0	100.0	100.0	100.0	0.1	0.1	-90.93	-1.1	-67.5	67.5	67.3	0.22	300.202		
200.0	200.0	200.0	200.0	0.3	0.3	-90.93	-1.1	-67.5	67.5	66.8	0.67	100.067	CC	
300.0	300.0	299.9	299.9	0.6	0.5	-92.41	-2.8	-67.5	67.5	66.4	1.10	61.351		
400.0	400.0	399.8	399.7	0.8	0.7	-96.27	-7.4	-67.5	67.9	66.3	1.53	44.273	ES	
500.0	500.0	499.9	499.7	1.0	1.0	121.66	-10.9	-67.5	69.2	67.3	1.96	35.321		
600.0	599.8	600.0	599.8	1.2	1.2	123.77	-12.7	-67.5	72.3	69.9	2.38	30.366		
700.0	699.5	699.7	699.5	1.4	1.4	128.88	-12.9	-67.5	77.5	74.7	2.80	27.652		
800.0	798.7	798.9	798.7	1.7	1.6	135.10	-12.9	-67.5	85.7	82.4	3.26	26.304		
900.0	897.5	897.7	897.5	2.0	1.8	141.43	-12.9	-67.5	97.4	93.7	3.73	26.156		
1,000.0	995.6	995.8	995.6	2.4	2.1	147.26	-12.9	-67.5	113.1	108.9	4.20	26.936		
1,100.0	1,093.1	1,093.3	1,093.1	2.8	2.3	152.31	-12.9	-67.5	132.6	128.0	4.67	28.414		
1,200.0	1,189.6	1,189.8	1,189.6	3.3	2.5	156.51	-12.9	-67.5	156.1	151.0	5.14	30.401		
1,300.0	1,285.3	1,291.2	1,291.0	3.8	2.7	160.08	-13.8	-66.3	182.1	176.5	5.59	32.576		
1,400.0	1,379.8	1,394.2	1,393.9	4.5	2.9	162.98	-17.0	-62.3	208.4	202.4	6.03	34.571		
1,500.0	1,473.2	1,498.3	1,497.5	5.1	3.1	165.41	-22.6	-55.4	234.9	228.4	6.47	36.285		
1,600.0	1,565.2	1,603.4	1,601.9	5.9	3.4	167.53	-30.6	-45.4	261.4	254.5	6.93	37.731		
1,700.0	1,655.8	1,709.7	1,706.8	6.8	3.7	169.41	-41.1	-32.2	288.0	280.6	7.39	38.942		
1,800.0	1,745.3	1,817.2	1,812.3	7.7	4.0	171.16	-54.3	-15.8	313.7	305.8	7.92	39.620		
1,900.0	1,834.7	1,926.8	1,918.8	8.6	4.4	172.73	-70.2	4.1	336.1	327.6	8.48	39.626		
2,000.0	1,924.1	2,038.1	2,026.0	9.5	4.9	174.17	-88.9	27.5	354.9	345.8	9.07	39.117		
2,100.0	2,013.5	2,150.9	2,133.3	10.4	5.5	175.54	-110.6	54.5	370.1	360.4	9.68	38.234		
2,200.0	2,103.0	2,264.7	2,240.2	11.3	6.2	176.90	-135.1	85.1	381.5	371.2	10.34	36.911		
2,300.0	2,192.4	2,379.4	2,346.1	12.3	6.9	178.28	-162.4	119.3	389.2	378.2	11.02	35.302		
2,400.0	2,281.8	2,494.4	2,450.6	13.2	7.8	179.72	-192.5	156.9	393.1	381.3	11.76	33.429		
2,500.0	2,371.2	2,604.9	2,549.1	14.1	8.8	-178.81	-223.8	195.9	393.5	380.9	12.54	31.385		
2,600.0	2,460.6	2,704.4	2,637.4	15.1	9.7	-177.45	-252.5	231.7	393.1	379.7	13.32	29.504		
2,700.0	2,550.0	2,804.0	2,725.7	16.0	10.6	-176.08	-281.2	267.6	392.9	378.8	14.16	27.752		
2,721.5	2,569.3	2,825.4	2,744.8	16.2	10.8	-175.79	-287.4	275.3	392.9	378.6	14.35	27.389		
2,800.0	2,639.4	2,903.5	2,814.1	17.0	11.5	-174.72	-310.0	303.5	393.0	377.9	15.05	26.119		
2,900.0	2,728.8	3,003.1	2,902.4	17.9	12.5	-173.36	-338.7	339.4	393.3	377.3	15.99	24.596		
3,000.0	2,818.2	3,102.6	2,990.7	18.9	13.4	-172.00	-367.4	375.2	393.8	376.8	16.99	23.175		
3,100.0	2,907.6	3,202.2	3,079.0	19.8	14.4	-170.65	-396.2	411.1	394.5	376.5	18.05	21.850		
3,200.0	2,997.0	3,301.8	3,167.3	20.7	15.3	-169.30	-424.9	447.0	395.5	376.3	19.18	20.616		
3,300.0	3,086.5	3,401.3	3,255.6	21.7	16.3	-167.96	-453.6	482.9	396.6	376.3	20.37	19.469		
3,400.0	3,175.9	3,500.9	3,343.9	22.6	17.3	-166.63	-482.4	518.7	398.0	376.4	21.63	18.404		
3,500.0	3,265.3	3,600.4	3,432.3	23.6	18.2	-165.31	-511.1	554.6	399.6	376.7	22.95	17.416		
3,600.0	3,354.7	3,700.0	3,520.6	24.5	19.2	-163.99	-539.8	590.5	401.5	377.1	24.33	16.501		
3,700.0	3,444.1	3,799.6	3,608.9	25.5	20.2	-162.69	-568.6	626.4	403.5	377.7	25.77	15.655		
3,800.0	3,533.5	3,899.1	3,697.2	26.4	21.2	-161.41	-597.3	662.2	405.7	378.4	27.28	14.873		
3,900.0	3,622.9	3,998.7	3,785.5	27.4	22.2	-160.14	-626.0	698.1	408.2	379.3	28.84	14.152		
4,000.0	3,712.3	4,098.2	3,873.8	28.3	23.1	-158.88	-654.8	734.0	410.8	380.3	30.46	13.486		
4,100.0	3,801.7	4,197.8	3,962.1	29.3	24.1	-157.65	-683.5	769.8	413.6	381.5	32.13	12.873		
4,200.0	3,891.1	4,297.4	4,050.5	30.2	25.1	-156.42	-712.2	805.7	416.7	382.8	33.86	12.307		
4,300.0	3,980.5	4,396.9	4,138.8	31.2	26.1	-155.22	-740.9	841.6	419.9	384.3	35.63	11.786		
4,400.0	4,070.0	4,496.5	4,227.1	32.1	27.1	-154.04	-769.7	877.5	423.3	385.8	37.44	11.305		
4,500.0	4,159.4	4,596.0	4,315.4	33.1	28.1	-152.87	-798.4	913.3	426.9	387.6	39.30	10.862		
4,600.0	4,248.8	4,695.6	4,403.7	34.0	29.1	-151.73	-827.1	949.2	430.6	389.4	41.20	10.453		
4,700.0	4,338.2	4,795.1	4,492.0	35.0	30.1	-150.60	-855.9	985.1	434.5	391.4	43.13	10.076		
4,800.0	4,427.6	4,894.7	4,580.4	35.9	31.0	-149.49	-884.6	1,021.0	438.6	393.5	45.10	9.727		
4,900.0	4,517.0	4,994.3	4,668.7	36.9	32.0	-148.41	-913.3	1,056.8	442.9	395.8	47.09	9.405		
5,000.0	4,606.4	5,093.8	4,757.0	37.8	33.0	-147.35	-942.1	1,092.7	447.3	398.2	49.12	9.107		

<b>Company:</b>	Synergy Resources	<b>Local Co-ordinate Reference:</b>	Well SRC Weis 12-9CHZ
<b>Project:</b>	SEC.4-T4N-R68W	<b>TVD Reference:</b>	WELL @ 5077.0ft (Original Well Elev)
<b>Reference Site:</b>	SRC Kiehn Pad Sec.4-T4N-R68W	<b>MD Reference:</b>	WELL @ 5077.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	SRC Weis 12-9CHZ	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	Landmark
<b>Reference Design:</b>	Plan #1 (10-2-14)	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design												Offset Site Error:	0.0 ft
Survey Program: 0-MWD												Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	
5,100.0	4,695.8	5,193.4	4,845.3	38.8	34.0	-146.30	-970.8	1,128.6	451.9	400.7	51.17	8.831	
5,200.0	4,785.2	5,292.9	4,933.6	39.7	35.0	-145.28	-999.5	1,164.5	456.6	403.3	53.24	8.575	
5,300.0	4,874.6	5,392.5	5,021.9	40.7	36.0	-144.28	-1,028.3	1,200.3	461.4	406.1	55.34	8.338	
5,400.0	4,964.0	5,492.1	5,110.2	41.6	37.0	-143.30	-1,057.0	1,236.2	466.4	408.9	57.45	8.118	
5,500.0	5,053.5	5,591.6	5,198.6	42.6	38.0	-142.34	-1,085.7	1,272.1	471.5	411.9	59.59	7.913	
5,600.0	5,142.9	5,691.2	5,286.9	43.5	39.0	-141.41	-1,114.5	1,308.0	476.8	415.0	61.73	7.723	
5,700.0	5,232.3	5,790.7	5,375.2	44.5	40.0	-140.49	-1,143.2	1,343.8	482.2	418.3	63.89	7.546	
5,800.0	5,321.7	5,890.3	5,463.5	45.4	41.0	-139.59	-1,171.9	1,379.7	487.6	421.6	66.06	7.381	
5,900.0	5,411.1	5,989.9	5,551.8	46.4	42.0	-138.71	-1,200.7	1,415.6	493.3	425.0	68.25	7.228	
6,000.0	5,500.5	6,089.4	5,640.1	47.3	43.0	-137.86	-1,229.4	1,451.5	499.0	428.6	70.44	7.084	
6,100.0	5,589.9	6,189.0	5,728.4	48.3	44.0	-137.02	-1,258.1	1,487.3	504.8	432.2	72.63	6.950	
6,200.0	5,679.3	6,288.5	5,816.8	49.2	45.0	-136.20	-1,286.9	1,523.2	510.8	435.9	74.84	6.825	
6,300.0	5,768.7	6,388.1	5,905.1	50.2	46.0	-135.40	-1,315.6	1,559.1	516.8	439.8	77.05	6.708	
6,400.0	5,858.1	6,487.6	5,993.4	51.1	47.0	-134.62	-1,344.3	1,595.0	523.0	443.7	79.26	6.598	
6,500.0	5,947.5	6,587.2	6,081.7	52.1	48.0	-133.86	-1,373.0	1,630.8	529.2	447.7	81.48	6.495	
6,600.0	6,037.0	6,694.9	6,178.0	53.0	48.9	-133.33	-1,404.4	1,667.1	535.1	451.7	83.46	6.412	
6,700.0	6,126.4	6,808.6	6,283.8	54.0	49.5	-134.46	-1,439.1	1,690.1	538.7	455.0	83.71	6.435	
6,800.0	6,215.8	6,916.7	6,386.2	54.9	49.9	-137.24	-1,472.9	1,695.4	540.4	458.3	82.12	6.581	
6,900.0	6,305.2	7,015.2	6,479.2	55.9	50.1	-141.18	-1,503.8	1,686.0	542.5	463.5	79.04	6.864	
7,000.0	6,396.1	7,105.5	6,562.5	56.6	50.2	-161.06	-1,531.7	1,665.6	547.5	472.6	74.89	7.311	
7,100.0	6,488.9	7,191.3	6,638.9	57.1	50.2	-175.05	-1,557.3	1,636.2	555.8	485.0	70.75	7.855	
7,200.0	6,581.8	7,273.6	6,708.5	57.5	50.1	-151.18	-1,580.9	1,599.1	566.7	499.6	67.06	8.451	
7,300.0	6,673.0	7,350.0	6,769.0	57.7	50.0	-131.61	-1,601.4	1,557.4	579.5	515.3	64.15	9.033	
7,400.0	6,760.6	7,430.1	6,827.5	57.8	49.9	-116.87	-1,621.5	1,506.5	593.3	531.5	61.84	9.594	
7,500.0	6,843.1	7,500.0	6,873.9	57.8	49.7	-106.29	-1,637.5	1,456.8	607.5	547.0	60.53	10.038	
7,600.0	6,918.7	7,578.8	6,920.3	57.8	49.6	-98.23	-1,653.7	1,395.3	621.3	561.5	59.82	10.386	
7,700.0	6,986.0	7,650.0	6,956.5	57.6	49.4	-92.30	-1,666.5	1,335.4	634.2	574.1	60.08	10.555	
7,800.0	7,043.8	7,722.6	6,987.4	57.5	49.3	-87.82	-1,677.6	1,270.7	645.5	584.3	61.27	10.535	
7,900.0	7,090.8	7,800.0	7,013.3	57.2	49.2	-84.47	-1,687.2	1,198.4	655.1	591.6	63.44	10.326	
8,000.0	7,126.1	7,863.2	7,028.9	57.0	49.1	-82.24	-1,693.2	1,137.4	662.3	595.7	66.61	9.944	
8,100.0	7,149.2	7,932.8	7,040.0	56.8	49.0	-80.80	-1,697.8	1,068.9	667.2	596.6	70.56	9.456	
8,200.0	7,159.4	8,000.0	7,044.7	56.5	49.0	-80.16	-1,700.2	1,002.0	669.5	594.4	75.05	8.921	
8,300.0	7,160.0	8,094.7	7,045.0	56.2	49.0	-80.11	-1,701.6	907.3	669.7	592.3	77.33	8.659	
8,400.0	7,160.0	8,194.7	7,045.0	56.0	49.1	-80.11	-1,703.0	807.3	669.7	590.8	78.88	8.490	
8,500.0	7,160.0	8,294.7	7,045.0	55.8	49.3	-80.11	-1,704.3	707.3	669.7	588.9	80.77	8.291	
8,600.0	7,160.0	8,394.7	7,045.0	55.7	49.6	-80.11	-1,705.7	607.3	669.7	586.7	82.99	8.069	
8,700.0	7,160.0	8,494.7	7,045.0	55.6	50.1	-80.11	-1,707.1	507.3	669.7	584.1	85.51	7.831	
8,800.0	7,160.0	8,594.7	7,045.0	55.6	50.8	-80.11	-1,708.4	407.3	669.7	581.4	88.31	7.583	
8,900.0	7,160.0	8,694.7	7,045.0	55.7	51.6	-80.11	-1,709.8	307.3	669.7	578.3	91.35	7.331	
9,000.0	7,160.0	8,794.7	7,045.0	55.8	52.6	-80.11	-1,711.1	207.3	669.7	575.0	94.62	7.077	
9,100.0	7,160.0	8,894.7	7,045.0	56.1	53.8	-80.11	-1,712.5	107.4	669.7	571.6	98.10	6.826	
9,200.0	7,160.0	8,994.7	7,045.0	56.6	55.2	-80.11	-1,713.9	7.4	669.7	567.9	101.76	6.581	
9,300.0	7,160.0	9,094.7	7,045.0	57.3	56.7	-80.11	-1,715.2	-92.6	669.7	564.1	105.58	6.343	
9,400.0	7,160.0	9,194.7	7,045.0	58.3	58.4	-80.11	-1,716.6	-192.6	669.7	560.1	109.54	6.113	
9,500.0	7,160.0	9,294.7	7,045.0	59.5	60.2	-80.11	-1,718.0	-292.6	669.7	556.0	113.64	5.893	
9,600.0	7,160.0	9,394.7	7,045.0	61.0	62.1	-80.11	-1,719.3	-392.6	669.7	551.8	117.86	5.682	
9,700.0	7,160.0	9,494.7	7,045.0	62.8	64.2	-80.11	-1,720.7	-492.6	669.7	547.5	122.18	5.481	
9,800.0	7,160.0	9,594.7	7,045.0	64.7	66.3	-80.11	-1,722.0	-592.6	669.7	543.1	126.59	5.290	
9,900.0	7,160.0	9,694.7	7,045.0	66.7	68.5	-80.11	-1,723.4	-692.6	669.7	538.6	131.09	5.108	
10,000.0	7,160.0	9,794.7	7,045.0	68.9	70.7	-80.11	-1,724.8	-792.6	669.7	534.0	135.67	4.936	
10,100.0	7,160.0	9,894.7	7,045.0	71.2	73.0	-80.11	-1,726.1	-892.6	669.7	529.3	140.31	4.773	
10,200.0	7,160.0	9,994.7	7,045.0	73.5	75.3	-80.11	-1,727.5	-992.5	669.7	524.6	145.02	4.618	

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



<b>Company:</b>	Synergy Resources	<b>Local Co-ordinate Reference:</b>	Well SRC Weis 12-9CHZ
<b>Project:</b>	SEC.4-T4N-R68W	<b>TVD Reference:</b>	WELL @ 5077.0ft (Original Well Elev)
<b>Reference Site:</b>	SRC Kiehn Pad Sec.4-T4N-R68W	<b>MD Reference:</b>	WELL @ 5077.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	SRC Weis 12-9CHZ	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	Landmark
<b>Reference Design:</b>	Plan #1 (10-2-14)	<b>Offset TVD Reference:</b>	Offset Datum

<b>Offset Design</b> SRC Kiehn Pad Sec.4-T4N-R68W - SRC Weis A-9NHZ - Wellbore #1 - Plan #1 (10-2-14)												<b>Offset Site Error:</b>	0.0 ft
Survey Program: 0-MWD												<b>Offset Well Error:</b>	0.0 ft
Reference		Offset		Semi Major Axis			Distance						
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
10,300.0	7,160.0	10,094.7	7,045.0	75.8	77.7	80.11	-1,728.8	-1,092.5	669.7	519.9	149.78	4.471	
10,400.0	7,160.0	10,194.7	7,045.0	78.3	80.1	80.11	-1,730.2	-1,192.5	669.7	515.1	154.60	4.332	
10,500.0	7,160.0	10,294.7	7,045.0	80.7	82.5	80.11	-1,731.6	-1,292.5	669.7	510.2	159.46	4.199	
10,600.0	7,160.0	10,394.7	7,045.0	83.2	85.0	80.11	-1,732.9	-1,392.5	669.7	505.3	164.37	4.074	
10,700.0	7,160.0	10,494.7	7,045.0	85.7	87.5	80.11	-1,734.3	-1,492.5	669.7	500.3	169.31	3.955	
10,800.0	7,160.0	10,594.7	7,045.0	88.2	90.0	80.11	-1,735.7	-1,592.5	669.7	495.4	174.29	3.842	
10,900.0	7,160.0	10,694.7	7,045.0	90.8	92.5	80.11	-1,737.0	-1,692.5	669.7	490.4	179.30	3.735	
11,000.0	7,160.0	10,794.7	7,045.0	93.3	95.1	80.11	-1,738.4	-1,792.5	669.7	485.3	184.34	3.633	
11,100.0	7,160.0	10,894.7	7,045.0	95.9	97.7	80.11	-1,739.7	-1,892.5	669.7	480.3	189.40	3.536	
11,200.0	7,160.0	10,994.7	7,045.0	98.5	100.2	80.11	-1,741.1	-1,992.5	669.7	475.2	194.50	3.443	
11,300.0	7,160.0	11,094.7	7,045.0	101.1	102.8	80.11	-1,742.5	-2,092.4	669.7	470.0	199.61	3.355	
11,400.0	7,160.0	11,194.7	7,045.0	103.7	105.4	80.11	-1,743.8	-2,192.4	669.7	464.9	204.75	3.271	
11,500.0	7,160.0	11,294.7	7,045.0	106.3	108.0	80.11	-1,745.2	-2,292.4	669.7	459.7	209.91	3.190	
11,600.0	7,160.0	11,394.7	7,045.0	109.0	110.7	80.11	-1,746.5	-2,392.4	669.7	454.6	215.09	3.113	
11,700.0	7,160.0	11,494.7	7,045.0	111.6	113.3	80.11	-1,747.9	-2,492.4	669.7	449.4	220.28	3.040	
11,800.0	7,160.0	11,594.7	7,045.0	114.3	115.9	80.11	-1,749.3	-2,592.4	669.7	444.2	225.49	2.970	
11,900.0	7,160.0	11,694.7	7,045.0	116.9	118.6	80.11	-1,750.6	-2,692.4	669.7	438.9	230.72	2.902	
12,000.0	7,160.0	11,794.7	7,045.0	119.6	121.2	80.11	-1,752.0	-2,792.4	669.7	433.7	235.96	2.838	
12,100.0	7,160.0	11,894.7	7,045.0	122.2	123.9	80.11	-1,753.3	-2,892.4	669.7	428.4	241.21	2.776	
12,200.0	7,160.0	11,994.7	7,045.0	124.9	126.6	80.11	-1,754.7	-2,992.4	669.7	423.2	246.47	2.717	
12,254.0	7,160.0	12,048.6	7,045.0	125.8	128.0	80.11	-1,755.4	-3,046.3	669.7	420.9	248.76	2.692	
12,287.5	7,160.0	12,075.6	7,045.0	126.4	128.7	80.11	-1,755.8	-3,073.3	669.7	419.7	250.01	2.679 SF	

<b>Company:</b>	Synergy Resources	<b>Local Co-ordinate Reference:</b>	Well SRC Weis 12-9CHZ
<b>Project:</b>	SEC.4-T4N-R68W	<b>TVD Reference:</b>	WELL @ 5077.0ft (Original Well Elev)
<b>Reference Site:</b>	SRC Kiehn Pad Sec.4-T4N-R68W	<b>MD Reference:</b>	WELL @ 5077.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	SRC Weis 12-9CHZ	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	Landmark
<b>Reference Design:</b>	Plan #1 (10-2-14)	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.0 ft
Survey Program: 0-MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.0	0.0	0.0	0.0	0.0	0.0	89.08	0.4	22.6	22.6					
100.0	100.0	100.0	100.0	0.1	0.1	89.08	0.4	22.6	22.6	22.4	0.22	100.481		
200.0	200.0	200.0	200.0	0.3	0.3	89.08	0.4	22.6	22.6	21.9	0.67	33.494 CC		
300.0	300.0	299.5	299.5	0.6	0.5	92.48	-1.0	23.6	23.6	22.5	1.10	21.417		
400.0	400.0	398.8	398.6	0.8	0.8	100.95	-5.2	26.7	27.2	25.7	1.54	17.684		
500.0	500.0	497.7	497.2	1.0	1.0	-31.11	-12.0	31.8	32.6	30.7	1.96	16.624		
600.0	599.8	596.4	595.2	1.2	1.3	-25.02	-21.6	38.9	38.4	36.0	2.39	16.075		
700.0	699.5	694.9	692.4	1.4	1.6	-20.38	-33.8	48.0	44.4	41.5	2.84	15.650		
800.0	798.7	793.2	788.9	1.7	2.0	-16.69	-48.7	59.1	50.5	47.2	3.30	15.297		
900.0	897.5	891.2	884.5	2.0	2.4	-13.65	-66.2	72.1	56.6	52.8	3.78	14.988		
1,000.0	995.6	989.0	979.1	2.4	2.9	-11.08	-86.3	87.0	62.8	58.5	4.27	14.704		
1,100.0	1,093.1	1,086.6	1,072.5	2.8	3.5	-8.85	-108.8	103.8	68.9	64.2	4.78	14.434		
1,200.0	1,189.6	1,184.0	1,164.7	3.3	4.1	-6.88	-133.9	122.5	75.1	69.8	5.30	14.170		
1,300.0	1,285.3	1,281.1	1,255.6	3.8	4.8	-5.10	-161.4	142.9	81.2	75.3	5.84	13.903		
1,400.0	1,379.8	1,378.1	1,345.2	4.5	5.5	-3.47	-191.3	165.1	87.2	80.8	6.39	13.659		
1,500.0	1,473.2	1,474.8	1,433.2	5.1	6.3	-1.96	-223.5	189.1	93.2	86.2	6.97	13.377		
1,600.0	1,565.2	1,571.4	1,519.6	5.9	7.2	-0.56	-258.0	214.8	99.2	91.6	7.57	13.097		
1,700.0	1,655.8	1,671.1	1,608.1	6.8	8.1	0.79	-295.0	242.3	103.5	95.3	8.21	12.610		
1,800.0	1,745.3	1,771.1	1,696.7	7.7	9.1	2.08	-332.0	269.9	105.2	96.3	8.91	11.816		
1,900.0	1,834.7	1,871.0	1,785.4	8.6	10.1	3.33	-369.1	297.4	106.9	97.2	9.65	11.080		
2,000.0	1,924.1	1,971.0	1,874.0	9.5	11.0	4.54	-406.1	325.0	108.6	98.1	10.41	10.430		
2,100.0	2,013.5	2,071.0	1,962.7	10.4	12.0	5.71	-443.2	352.5	110.3	99.1	11.20	9.851		
2,200.0	2,103.0	2,170.9	2,051.3	11.3	12.9	6.85	-480.2	380.1	112.1	100.1	12.01	9.330		
2,300.0	2,192.4	2,270.9	2,140.0	12.3	13.9	7.96	-517.3	407.7	113.9	101.0	12.86	8.859		
2,400.0	2,281.8	2,370.8	2,228.6	13.2	14.9	9.02	-554.3	435.2	115.8	102.0	13.73	8.431		
2,500.0	2,371.2	2,470.8	2,317.3	14.1	15.8	10.06	-591.4	462.8	117.7	103.0	14.63	8.040		
2,600.0	2,460.6	2,570.8	2,405.9	15.1	16.8	11.06	-628.4	490.4	119.6	104.0	15.57	7.682		
2,700.0	2,550.0	2,670.7	2,494.6	16.0	17.8	12.02	-665.5	517.9	121.6	105.0	16.53	7.353		
2,800.0	2,639.4	2,770.7	2,583.2	17.0	18.7	12.96	-702.5	545.5	123.6	106.0	17.53	7.050		
2,900.0	2,728.8	2,870.6	2,671.9	17.9	19.7	13.87	-739.6	573.1	125.6	107.1	18.55	6.770		
3,000.0	2,818.2	2,970.6	2,760.6	18.9	20.7	14.74	-776.6	600.6	127.7	108.1	19.61	6.511		
3,100.0	2,907.6	3,070.6	2,849.2	19.8	21.7	15.59	-813.7	628.2	129.8	109.1	20.69	6.272		
3,200.0	2,997.0	3,170.5	2,937.9	20.7	22.6	16.42	-850.7	655.7	131.9	110.1	21.80	6.050		
3,300.0	3,086.5	3,270.5	3,026.5	21.7	23.6	17.21	-887.8	683.3	134.1	111.1	22.94	5.844		
3,400.0	3,175.9	3,370.4	3,115.2	22.6	24.6	17.98	-924.8	710.9	136.2	112.1	24.10	5.653		
3,500.0	3,265.3	3,470.4	3,203.8	23.6	25.6	18.73	-961.9	738.4	138.4	113.2	25.29	5.475		
3,600.0	3,354.7	3,570.3	3,292.5	24.5	26.5	19.45	-998.9	766.0	140.7	114.2	26.50	5.309		
3,700.0	3,444.1	3,670.3	3,381.1	25.5	27.5	20.15	-1,036.0	793.6	142.9	115.2	27.73	5.154		
3,800.0	3,533.5	3,770.3	3,469.8	26.4	28.5	20.83	-1,073.0	821.1	145.2	116.2	28.98	5.010		
3,900.0	3,622.9	3,870.2	3,558.4	27.4	29.5	21.49	-1,110.1	848.7	147.5	117.2	30.25	4.874		
4,000.0	3,712.3	3,970.2	3,647.1	28.3	30.4	22.12	-1,147.1	876.3	149.8	118.2	31.54	4.748		
4,100.0	3,801.7	4,070.1	3,735.8	29.3	31.4	22.74	-1,184.2	903.8	152.1	119.2	32.85	4.630		
4,200.0	3,891.1	4,170.1	3,824.4	30.2	32.4	23.34	-1,221.2	931.4	154.4	120.3	34.18	4.518		
4,300.0	3,980.5	4,270.1	3,913.1	31.2	33.4	23.92	-1,258.3	958.9	156.8	121.3	35.52	4.414		
4,400.0	4,070.0	4,370.0	4,001.7	32.1	34.3	24.49	-1,295.3	986.5	159.2	122.3	36.88	4.316		
4,500.0	4,159.4	4,470.0	4,090.4	33.1	35.3	25.03	-1,332.4	1,014.1	161.5	123.3	38.25	4.224		
4,600.0	4,248.8	4,569.9	4,179.0	34.0	36.3	25.56	-1,369.4	1,041.6	163.9	124.3	39.63	4.137		
4,700.0	4,338.2	4,669.9	4,267.7	35.0	37.2	26.08	-1,406.5	1,069.2	166.4	125.3	41.03	4.055		
4,800.0	4,427.6	4,769.9	4,356.3	35.9	38.2	26.58	-1,443.5	1,096.8	168.8	126.4	42.44	3.977		
4,900.0	4,517.0	4,869.8	4,445.0	36.9	39.2	27.07	-1,480.6	1,124.3	171.2	127.4	43.86	3.904		
5,000.0	4,606.4	4,969.8	4,533.6	37.8	40.2	27.54	-1,517.6	1,151.9	173.7	128.4	45.29	3.835		
5,100.0	4,695.8	5,069.7	4,622.3	38.8	41.2	28.00	-1,554.7	1,179.5	176.1	129.4	46.73	3.769		

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

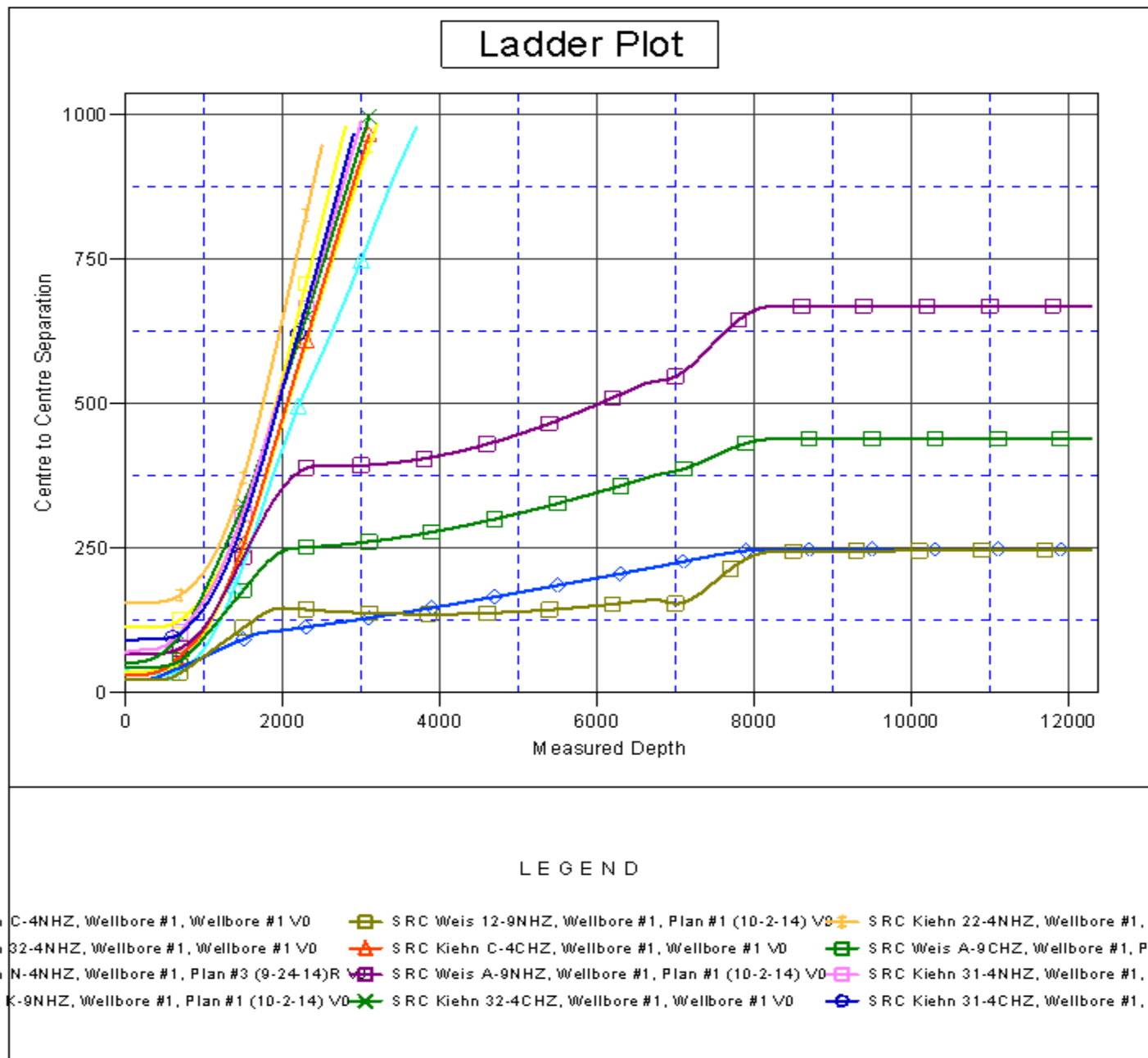
Offset Design      SRC Kiehn Pad Sec.4-T4N-R68W - SRC Weis K-9NHZ - Wellbore #1 - Plan #1 (10-2-14)													Offset Site Error:      0.0 ft	
Survey Program: 0-MWD													Offset Well Error:      0.0 ft	
Reference		Offset		Semi Major Axis			Distance							
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning	
5,200.0	4,785.2	5,169.7	4,710.9	39.7	42.1	28.45	-1,591.7	1,207.0	178.6	130.4	48.19	3.707		
5,300.0	4,874.6	5,269.7	4,799.6	40.7	43.1	28.88	-1,628.8	1,234.6	181.1	131.5	49.65	3.648		
5,400.0	4,964.0	5,369.6	4,888.3	41.6	44.1	29.31	-1,665.8	1,262.1	183.6	132.5	51.12	3.592		
5,500.0	5,053.5	5,469.6	4,976.9	42.6	45.1	29.72	-1,702.9	1,289.7	186.1	133.5	52.60	3.539		
5,600.0	5,142.9	5,569.5	5,065.6	43.5	46.0	30.12	-1,739.9	1,317.3	188.6	134.5	54.08	3.488		
5,700.0	5,232.3	5,669.5	5,154.2	44.5	47.0	30.51	-1,777.0	1,344.8	191.1	135.6	55.57	3.440		
5,800.0	5,321.7	5,769.5	5,242.9	45.4	48.0	30.89	-1,814.0	1,372.4	193.7	136.6	57.07	3.393		
5,900.0	5,411.1	5,869.4	5,331.5	46.4	49.0	31.26	-1,851.1	1,400.0	196.2	137.6	58.58	3.350		
6,000.0	5,500.5	5,969.4	5,420.2	47.3	49.9	31.62	-1,888.1	1,427.5	198.8	138.7	60.09	3.308		
6,100.0	5,589.9	6,069.3	5,508.8	48.3	50.9	31.97	-1,925.2	1,455.1	201.3	139.7	61.61	3.268		
6,200.0	5,679.3	6,169.3	5,597.5	49.2	51.9	32.32	-1,962.2	1,482.7	203.9	140.8	63.14	3.229		
6,300.0	5,768.7	6,269.3	5,686.1	50.2	52.9	32.65	-1,999.3	1,510.2	206.5	141.8	64.67	3.193		
6,400.0	5,858.1	6,369.2	5,774.8	51.1	53.8	32.98	-2,036.3	1,537.8	209.0	142.8	66.20	3.158		
6,500.0	5,947.5	6,469.2	5,863.4	52.1	54.8	33.29	-2,073.4	1,565.3	211.6	143.9	67.74	3.124		
6,600.0	6,037.0	6,569.1	5,952.1	53.0	55.8	33.61	-2,110.4	1,592.9	214.2	144.9	69.29	3.092		
6,700.0	6,126.4	6,669.1	6,040.8	54.0	56.8	33.91	-2,147.4	1,620.5	216.8	146.0	70.84	3.061		
6,800.0	6,215.8	6,769.1	6,129.4	54.9	57.7	34.20	-2,184.5	1,648.0	219.4	147.0	72.39	3.031		
6,900.0	6,305.2	6,869.1	6,218.1	55.9	58.7	34.52	-2,221.6	1,675.5	222.0	148.1	73.97	3.002		
7,000.0	6,396.1	6,969.2	6,308.7	56.6	59.4	20.12	-2,259.6	1,694.5	224.7	148.7	75.97	2.957		
7,100.0	6,488.9	7,068.9	6,400.4	57.1	59.9	1.54	-2,298.2	1,699.7	227.4	149.9	77.55	2.933		
7,200.0	6,581.8	7,168.3	6,491.5	57.5	60.3	-17.27	-2,336.8	1,691.1	230.2	151.5	78.70	2.925		
7,300.0	6,673.0	7,267.2	6,580.1	57.7	60.6	-32.22	-2,374.5	1,669.0	233.0	153.6	79.41	2.934		
7,400.0	6,760.6	7,365.8	6,664.8	57.8	60.7	-42.54	-2,410.8	1,634.0	235.7	156.0	79.68	2.958		
7,500.0	6,843.1	7,464.1	6,743.9	57.8	60.8	-49.39	-2,444.8	1,586.8	238.3	158.7	79.55	2.995		
7,600.0	6,918.7	7,562.1	6,816.1	57.8	60.7	-53.93	-2,476.1	1,528.5	240.6	161.5	79.09	3.042		
7,700.0	6,986.0	7,659.9	6,880.1	57.6	60.6	-57.00	-2,504.1	1,460.2	242.7	164.3	78.41	3.096		
7,800.0	7,043.8	7,757.4	6,934.8	57.5	60.5	-59.10	-2,528.3	1,383.2	244.6	166.9	77.62	3.151		
7,900.0	7,090.8	7,854.8	6,979.2	57.2	60.3	-60.52	-2,548.2	1,299.0	246.1	169.2	76.88	3.201		
8,000.0	7,126.1	7,952.1	7,012.6	57.0	60.1	-61.48	-2,563.6	1,209.0	247.2	170.9	76.32	3.239		
8,100.0	7,149.2	8,050.0	7,034.6	56.8	59.8	-62.07	-2,574.2	1,114.3	247.9	171.8	76.08	3.259		
8,200.0	7,159.4	8,146.6	7,044.4	56.5	59.6	-62.37	-2,579.6	1,018.4	248.2	172.0	76.23	3.257		
8,300.0	7,160.0	8,245.7	7,045.0	56.2	59.3	-62.41	-2,581.3	919.3	248.3	171.0	77.31	3.211		
8,400.0	7,160.0	8,345.7	7,045.0	56.0	59.0	-62.41	-2,582.6	819.3	248.3	169.4	78.87	3.148		
8,500.0	7,160.0	8,445.7	7,045.0	55.8	58.8	-62.40	-2,584.0	719.3	248.3	167.6	80.71	3.076		
8,600.0	7,160.0	8,545.7	7,045.0	55.7	58.6	-62.40	-2,585.3	619.3	248.3	165.5	82.81	2.998		
8,700.0	7,160.0	8,645.7	7,045.0	55.6	58.4	-62.40	-2,586.7	519.3	248.3	163.1	85.16	2.915		
8,800.0	7,160.0	8,745.7	7,045.0	55.6	58.3	-62.40	-2,588.1	419.3	248.3	160.5	87.73	2.830		
8,900.0	7,160.0	8,845.7	7,045.0	55.7	58.3	-62.40	-2,589.4	319.3	248.3	157.8	90.50	2.743		
9,000.0	7,160.0	8,945.7	7,045.0	55.8	58.3	-62.40	-2,590.8	219.3	248.3	154.8	93.46	2.656		
9,100.0	7,160.0	9,045.7	7,045.0	56.1	58.3	-62.40	-2,592.2	119.3	248.3	151.7	96.59	2.570		
9,200.0	7,160.0	9,145.7	7,045.0	56.6	58.5	-62.40	-2,593.5	19.3	248.3	148.4	99.88	2.486		
9,300.0	7,160.0	9,245.7	7,045.0	57.3	58.8	-62.40	-2,594.9	-80.7	248.3	145.0	103.30	2.403		
9,400.0	7,160.0	9,345.7	7,045.0	58.3	59.4	-62.40	-2,596.2	-180.6	248.3	141.4	106.85	2.324		
9,500.0	7,160.0	9,445.7	7,045.0	59.5	60.2	-62.40	-2,597.6	-280.6	248.3	137.8	110.51	2.247		
9,600.0	7,160.0	9,545.7	7,045.0	61.0	61.4	-62.40	-2,599.0	-380.6	248.3	134.0	114.27	2.173		
9,700.0	7,160.0	9,645.7	7,045.0	62.8	62.9	-62.40	-2,600.3	-480.6	248.3	130.1	118.13	2.102		
9,800.0	7,160.0	9,745.7	7,045.0	64.7	64.6	-62.40	-2,601.7	-580.6	248.3	126.2	122.07	2.034		
9,900.0	7,160.0	9,845.7	7,045.0	66.7	66.6	-62.40	-2,603.0	-680.6	248.3	122.2	126.09	1.969		
10,000.0	7,160.0	9,945.7	7,045.0	68.9	68.7	-62.40	-2,604.4	-780.6	248.3	118.1	130.17	1.907		
10,100.0	7,160.0	10,045.7	7,045.0	71.2	71.0	-62.40	-2,605.8	-880.6	248.3	113.9	134.32	1.848		
10,200.0	7,160.0	10,145.7	7,045.0	73.5	73.3	-62.40	-2,607.1	-980.6	248.3	109.7	138.53	1.792		
10,300.0	7,160.0	10,245.7	7,045.0	75.8	75.6	-62.40	-2,608.5	-1,080.6	248.3	105.5	142.79	1.739		

<b>Company:</b>	Synergy Resources	<b>Local Co-ordinate Reference:</b>	Well SRC Weis 12-9CHZ
<b>Project:</b>	SEC.4-T4N-R68W	<b>TVD Reference:</b>	WELL @ 5077.0ft (Original Well Elev)
<b>Reference Site:</b>	SRC Kiehn Pad Sec.4-T4N-R68W	<b>MD Reference:</b>	WELL @ 5077.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	SRC Weis 12-9CHZ	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	Landmark
<b>Reference Design:</b>	Plan #1 (10-2-14)	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SRC Kiehn Pad Sec.4-T4N-R68W - SRC Weis K-9NHZ - Wellbore #1 - Plan #1 (10-2-14)													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)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
10,400.0	7,160.0	10,345.7	7,045.0	78.3	78.1	-62.40	-2,609.8	-1,180.5	248.3	101.2	147.09	1.688	
10,500.0	7,160.0	10,445.7	7,045.0	80.7	80.5	-62.40	-2,611.2	-1,280.5	248.3	96.8	151.44	1.639	
10,600.0	7,160.0	10,545.7	7,045.0	83.2	83.0	-62.40	-2,612.6	-1,380.5	248.3	92.4	155.83	1.593	
10,700.0	7,160.0	10,645.7	7,045.0	85.7	85.5	-62.40	-2,613.9	-1,480.5	248.3	88.0	160.25	1.549	
10,800.0	7,160.0	10,745.7	7,045.0	88.2	88.0	-62.40	-2,615.3	-1,580.5	248.3	83.5	164.71	1.507	
10,900.0	7,160.0	10,845.7	7,045.0	90.8	90.6	-62.40	-2,616.7	-1,680.5	248.3	79.1	169.20	1.467	Level 3
11,000.0	7,160.0	10,945.7	7,045.0	93.3	93.2	-62.40	-2,618.0	-1,780.5	248.3	74.5	173.72	1.429	Level 3
11,100.0	7,160.0	11,045.7	7,045.0	95.9	95.7	-62.40	-2,619.4	-1,880.5	248.3	70.0	178.26	1.393	Level 3
11,200.0	7,160.0	11,145.7	7,045.0	98.5	98.3	-62.40	-2,620.7	-1,980.5	248.3	65.4	182.83	1.358	Level 3
11,300.0	7,160.0	11,245.7	7,045.0	101.1	101.0	-62.40	-2,622.1	-2,080.5	248.3	60.8	187.42	1.325	Level 3
11,400.0	7,160.0	11,345.7	7,045.0	103.7	103.6	-62.40	-2,623.5	-2,180.5	248.3	56.2	192.04	1.293	Level 3
11,500.0	7,160.0	11,445.7	7,045.0	106.3	106.2	-62.40	-2,624.8	-2,280.4	248.3	51.6	196.67	1.262	Level 3
11,600.0	7,160.0	11,545.7	7,045.0	109.0	108.8	-62.40	-2,626.2	-2,380.4	248.3	46.9	201.32	1.233	Level 2
11,700.0	7,160.0	11,645.7	7,045.0	111.6	111.5	-62.40	-2,627.5	-2,480.4	248.3	42.3	205.99	1.205	Level 2
11,800.0	7,160.0	11,745.7	7,045.0	114.3	114.1	-62.40	-2,628.9	-2,580.4	248.3	37.6	210.67	1.178	Level 2
11,900.0	7,160.0	11,845.7	7,045.0	116.9	116.8	-62.40	-2,630.3	-2,680.4	248.3	32.9	215.37	1.153	Level 2
12,000.0	7,160.0	11,945.7	7,045.0	119.6	119.5	-62.40	-2,631.6	-2,780.4	248.3	28.2	220.08	1.128	Level 2
12,100.0	7,160.0	12,045.7	7,045.0	122.2	122.1	-62.40	-2,633.0	-2,880.4	248.3	23.5	224.80	1.104	Level 2
12,200.0	7,160.0	12,145.7	7,045.0	124.9	124.8	-62.40	-2,634.3	-2,980.4	248.3	18.7	229.54	1.082	Level 2
12,287.5	7,160.0	12,233.2	7,045.0	126.4	127.2	-62.40	-2,635.5	-3,067.9	248.3	15.4	232.86	1.066	Level 2, ES, SF









<b>Company:</b>	Synergy Resources	<b>Local Co-ordinate Reference:</b>	Well SRC Weis 12-9CHZ
<b>Project:</b>	SEC.4-T4N-R68W	<b>TVD Reference:</b>	WELL @ 5077.0ft (Original Well Elev)
<b>Reference Site:</b>	SRC Kiehn Pad Sec.4-T4N-R68W	<b>MD Reference:</b>	WELL @ 5077.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	SRC Weis 12-9CHZ	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	Landmark
<b>Reference Design:</b>	Plan #1 (10-2-14)	<b>Offset TVD Reference:</b>	Offset Datum

Reference Depths are relative to WELL @ 5077.0ft (Original Well Elev) Coordinates are relative to: SRC Weis 12-9CHZ  
 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: 0.32°



Reference Depths are relative to WELL @ 5077.0ft (Original Well Elev) Coordinates are relative to: SRC Weis 12-9CHZ  
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: 0.32°



in C-4NHZ, Wellbore #1, Wellbore #1 VD		SRC Weis 12-9NHZ, Wellbore #1, Plan #1 (10-2-14) VD		SRC Kiehn 22-4NHZ, Wellbore #1, Plan #1 (10-2-14) VD
in 32-4NHZ, Wellbore #1, Wellbore #1 VD		SRC Kiehn C-4CHZ, Wellbore #1, Wellbore #1 VD		SRC Weis A-9CHZ, Wellbore #1, Wellbore #1 VD
in N-4NHZ, Wellbore #1, Plan #3 (9-24-14)R VD		SRC Weis A-9NHZ, Wellbore #1, Plan #1 (10-2-14) VD		SRC Kiehn 31-4NHZ, Wellbore #1, Wellbore #1 VD
s K-9NHZ, Wellbore #1, Plan #1 (10-2-14) VD		SRC Kiehn 32-4CHZ, Wellbore #1, Wellbore #1 VD		SRC Kiehn 31-4CHZ, Wellbore #1, Wellbore #1 VD