

Synergy Resources

Well Name: **SRC Gilbert A-14-11NHZM**

Surface Location: SRC Gilbert 42-14-11NHZ Pad Sec.14-T5N-R66W
North American Datum 1983, US State Plane 1983, Colorado Northern Zone

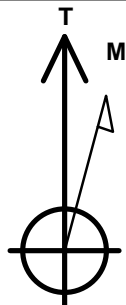
Ground Elevation: 4839.0

+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
0.0	0.0	1389104.49	3210760.40	40.399025	-104.743260	

RKB-12' WELL @ 4851.0ft (RKB-12')

WELLBORE TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Shape
SHL 2482'FSL & 2312'FEL, Sec.14	1.0	0.0	0.0	Point
BHL 480'FNL & 2204'FWL, Sec.11	7281.0	7844.1	-1446.8	Point



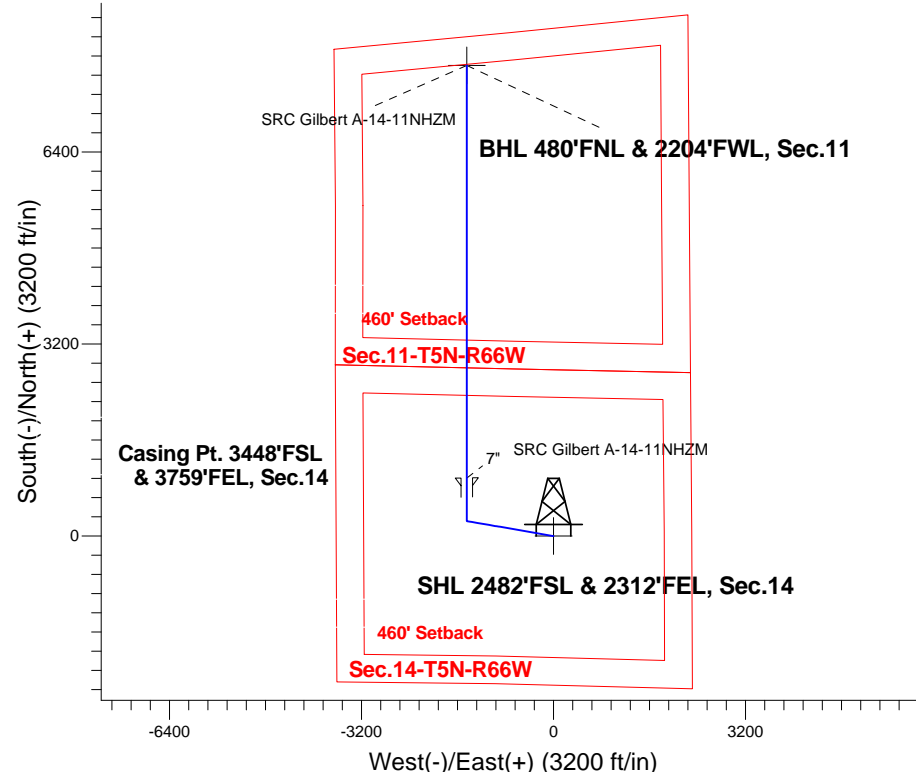
Azimuths to True North
Magnetic North: 8.43°

Magnetic Field
Strength: 52803.6snT
Dip Angle: 66.94°
Date: 7/31/2014
Model: IGRF2010

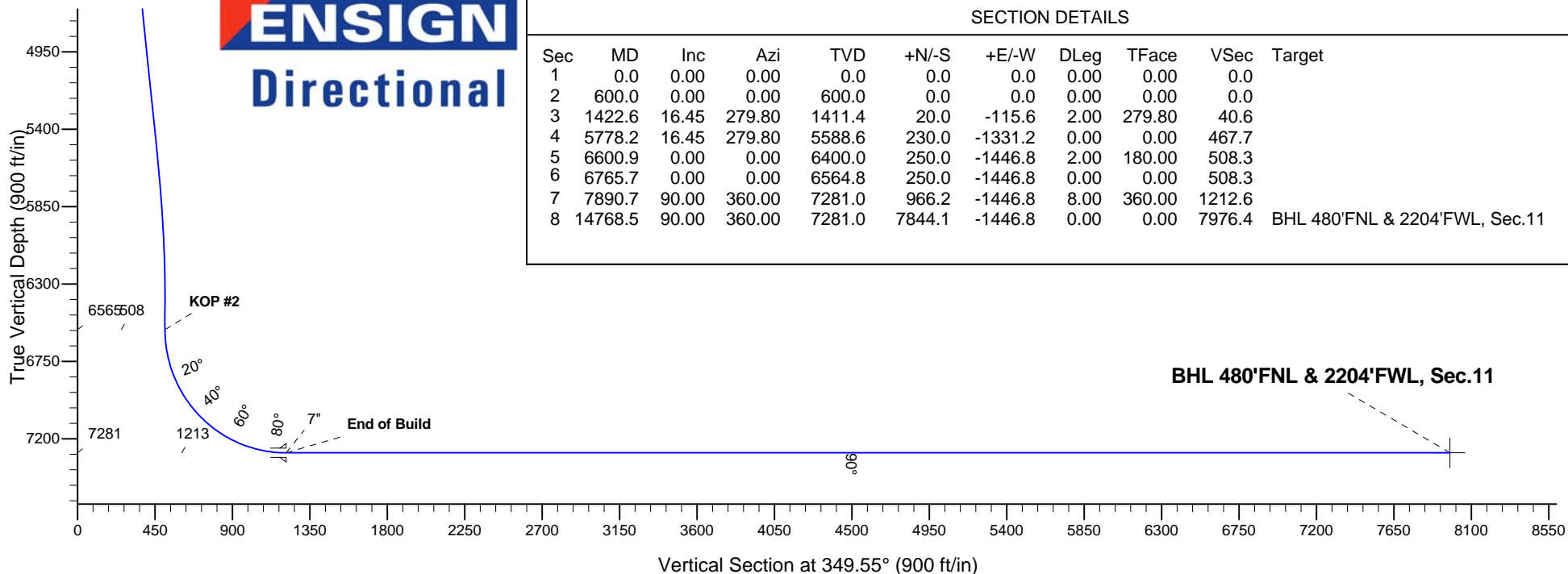
SRC Gilbert 42-14-11NHZ Pad Sec.14-T5N-R66W
SRC Gilbert A-14-11NHZM
Plan #2 (7-31-14)
11:28, July 31 2014

ANNOTATIONS

TVD	MD	Annotation
600.0	600.0	KOP #1
6564.8	6765.7	KOP #2
7281.0	7890.7	End of Build



ENSIGN
Directional



SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	600.0	0.00	0.00	600.0	0.0	0.0	0.00	0.00	0.0	
3	1422.6	16.45	279.80	1411.4	20.0	-115.6	2.00	279.80	40.6	
4	5778.2	16.45	279.80	5588.6	230.0	-1331.2	0.00	0.00	467.7	
5	6600.9	0.00	0.00	6400.0	250.0	-1446.8	2.00	180.00	508.3	
6	6765.7	0.00	0.00	6564.8	250.0	-1446.8	0.00	0.00	508.3	
7	7890.7	90.00	360.00	7281.0	966.2	-1446.8	8.00	360.00	1212.6	
8	14768.5	90.00	360.00	7281.0	7844.1	-1446.8	0.00	0.00	7976.4	BHL 480'FNL & 2204'FWL, Sec.11



Synergy Resources

SEC.14-T5N-R66W

SRC Gilbert 42-14-11NHZ Pad Sec.14-T5N-R66W

SRC Gilbert A-14-11NHZM

Wellbore #1

Plan: Plan #2 (7-31-14)

Standard Planning Report

31 July, 2014

Database:	Landmark	Local Co-ordinate Reference:	Well SRC Gilbert A-14-11NHZM
Company:	Synergy Resources	TVD Reference:	WELL @ 4851.0ft (RKB-12')
Project:	SEC.14-T5N-R66W	MD Reference:	WELL @ 4851.0ft (RKB-12')
Site:	SRC Gilbert 42-14-11NHZ Pad Sec.14-T5N-R66W	North Reference:	True
Well:	SRC Gilbert A-14-11NHZM	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan #2 (7-31-14)		

Project	SEC.14-T5N-R66W		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		Using Well Reference Point
Map Zone:	Colorado Northern Zone		Using geodetic scale factor

Site						SRC Gilbert 42-14-11NHZ Pad Sec.14-T5N-R66W											
Site Position:						Northing:			1,389,074.67 ft			Latitude:			40.398941		
From:			Lat/Long			Easting:			3,210,850.06 ft			Longitude:			-104.742939		
Position Uncertainty:			0.0 ft			Slot Radius:			"			Grid Convergence:			0.49 °		

Well	SRC Gilbert A-14-11NHZM					
Well Position	+N-S	30.6 ft	Northing:	1,389,104.49 ft	Latitude:	40.399025
	+E-W	-89.4 ft	Easting:	3,210,760.40 ft	Longitude:	-104.743260
Position Uncertainty		0.0 ft	Wellhead Elevation:	ft	Ground Level:	4,839.0 ft

Wellbore	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	7/31/2014	8.43	66.95	52,804

Design	Plan #2 (7-31-14)			
Audit Notes:				
Version:	Phase:	PROTOTYPE	Tie On Depth:	0.0
Vertical Section:	Depth From (TVD) (ft)	+N/-S (ft)	+E/-W (ft)	Direction (°)
	0.0	0.0	0.0	349.55

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	
600.0	0.00	0.00	600.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,422.6	16.45	279.80	1,411.4	20.0	-115.6	2.00	2.00	0.00	279.80	
5,778.2	16.45	279.80	5,588.6	230.0	-1,331.2	0.00	0.00	0.00	0.00	
6,600.9	0.00	0.00	6,400.0	250.0	-1,446.8	2.00	-2.00	0.00	180.00	
6,765.7	0.00	0.00	6,564.8	250.0	-1,446.8	0.00	0.00	0.00	0.00	
7,890.7	90.00	360.00	7,281.0	966.2	-1,446.8	8.00	8.00	0.00	360.00	
14,768.5	90.00	360.00	7,281.0	7,844.1	-1,446.8	0.00	0.00	0.00	0.00	BHL 480'FNL & 220'

Database:	Landmark	Local Co-ordinate Reference:	Well SRC Gilbert A-14-11NHZM
Company:	Synergy Resources	TVD Reference:	WELL @ 4851.0ft (RKB-12')
Project:	SEC.14-T5N-R66W	MD Reference:	WELL @ 4851.0ft (RKB-12')
Site:	SRC Gilbert 42-14-11NHZ Pad	North Reference:	True
	Sec.14-T5N-R66W		
Well:	SRC Gilbert A-14-11NHZM	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan #2 (7-31-14)		

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
500.0	0.00	0.00	500.0	0.0	0.0	0.0	0.00	0.00	0.00
600.0	0.00	0.00	600.0	0.0	0.0	0.0	0.00	0.00	0.00
KOP #1									
700.0	2.00	279.80	700.0	0.3	-1.7	0.6	2.00	2.00	0.00
800.0	4.00	279.80	799.8	1.2	-6.9	2.4	2.00	2.00	0.00
900.0	6.00	279.80	899.5	2.7	-15.5	5.4	2.00	2.00	0.00
1,000.0	8.00	279.80	998.7	4.7	-27.5	9.7	2.00	2.00	0.00
1,100.0	10.00	279.80	1,097.5	7.4	-42.9	15.1	2.00	2.00	0.00
1,200.0	12.00	279.80	1,195.6	10.7	-61.7	21.7	2.00	2.00	0.00
1,300.0	14.00	279.80	1,293.1	14.5	-83.9	29.5	2.00	2.00	0.00
1,400.0	16.00	279.80	1,389.6	18.9	-109.4	38.4	2.00	2.00	0.00
1,422.6	16.45	279.80	1,411.4	20.0	-115.6	40.6	2.00	2.00	0.00
1,500.0	16.45	279.80	1,485.6	23.7	-137.2	48.2	0.00	0.00	0.00
1,600.0	16.45	279.80	1,581.5	28.5	-165.1	58.0	0.00	0.00	0.00
1,700.0	16.45	279.80	1,677.4	33.3	-193.0	67.8	0.00	0.00	0.00
1,800.0	16.45	279.80	1,773.3	38.2	-220.9	77.6	0.00	0.00	0.00
1,900.0	16.45	279.80	1,869.2	43.0	-248.8	87.4	0.00	0.00	0.00
2,000.0	16.45	279.80	1,965.1	47.8	-276.7	97.2	0.00	0.00	0.00
2,100.0	16.45	279.80	2,061.0	52.6	-304.6	107.0	0.00	0.00	0.00
2,200.0	16.45	279.80	2,156.9	57.5	-332.5	116.8	0.00	0.00	0.00
2,300.0	16.45	279.80	2,252.8	62.3	-360.4	126.6	0.00	0.00	0.00
2,400.0	16.45	279.80	2,348.7	67.1	-388.4	136.4	0.00	0.00	0.00
2,500.0	16.45	279.80	2,444.6	71.9	-416.3	146.2	0.00	0.00	0.00
2,600.0	16.45	279.80	2,540.5	76.8	-444.2	156.0	0.00	0.00	0.00
2,700.0	16.45	279.80	2,636.4	81.6	-472.1	165.8	0.00	0.00	0.00
2,800.0	16.45	279.80	2,732.3	86.4	-500.0	175.7	0.00	0.00	0.00
2,900.0	16.45	279.80	2,828.2	91.2	-527.9	185.5	0.00	0.00	0.00
3,000.0	16.45	279.80	2,924.2	96.0	-555.8	195.3	0.00	0.00	0.00
3,100.0	16.45	279.80	3,020.1	100.9	-583.7	205.1	0.00	0.00	0.00
3,200.0	16.45	279.80	3,116.0	105.7	-611.6	214.9	0.00	0.00	0.00
3,300.0	16.45	279.80	3,211.9	110.5	-639.5	224.7	0.00	0.00	0.00
3,400.0	16.45	279.80	3,307.8	115.3	-667.4	234.5	0.00	0.00	0.00
3,500.0	16.45	279.80	3,403.7	120.2	-695.4	244.3	0.00	0.00	0.00
3,600.0	16.45	279.80	3,499.6	125.0	-723.3	254.1	0.00	0.00	0.00
3,700.0	16.45	279.80	3,595.5	129.8	-751.2	263.9	0.00	0.00	0.00
3,800.0	16.45	279.80	3,691.4	134.6	-779.1	273.7	0.00	0.00	0.00
3,900.0	16.45	279.80	3,787.3	139.4	-807.0	283.5	0.00	0.00	0.00
4,000.0	16.45	279.80	3,883.2	144.3	-834.9	293.3	0.00	0.00	0.00
4,100.0	16.45	279.80	3,979.1	149.1	-862.8	303.1	0.00	0.00	0.00
4,200.0	16.45	279.80	4,075.0	153.9	-890.7	312.9	0.00	0.00	0.00
4,300.0	16.45	279.80	4,170.9	158.7	-918.6	322.7	0.00	0.00	0.00
4,400.0	16.45	279.80	4,266.8	163.6	-946.5	332.5	0.00	0.00	0.00
4,500.0	16.45	279.80	4,362.7	168.4	-974.4	342.3	0.00	0.00	0.00
4,600.0	16.45	279.80	4,458.6	173.2	-1,002.3	352.1	0.00	0.00	0.00
4,700.0	16.45	279.80	4,554.5	178.0	-1,030.3	361.9	0.00	0.00	0.00
4,800.0	16.45	279.80	4,650.5	182.9	-1,058.2	371.7	0.00	0.00	0.00
4,900.0	16.45	279.80	4,746.4	187.7	-1,086.1	381.6	0.00	0.00	0.00
5,000.0	16.45	279.80	4,842.3	192.5	-1,114.0	391.4	0.00	0.00	0.00

Database:	Landmark	Local Co-ordinate Reference:	Well SRC Gilbert A-14-11NHZM
Company:	Synergy Resources	TVD Reference:	WELL @ 4851.0ft (RKB-12')
Project:	SEC.14-T5N-R66W	MD Reference:	WELL @ 4851.0ft (RKB-12')
Site:	SRC Gilbert 42-14-11NHZ Pad	North Reference:	True
	Sec.14-T5N-R66W		
Well:	SRC Gilbert A-14-11NHZM	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan #2 (7-31-14)		

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)
5,100.0	16.45	279.80	4,938.2	197.3	-1,141.9	401.2	0.00	0.00	0.00
5,200.0	16.45	279.80	5,034.1	202.1	-1,169.8	411.0	0.00	0.00	0.00
5,300.0	16.45	279.80	5,130.0	207.0	-1,197.7	420.8	0.00	0.00	0.00
5,400.0	16.45	279.80	5,225.9	211.8	-1,225.6	430.6	0.00	0.00	0.00
5,500.0	16.45	279.80	5,321.8	216.6	-1,253.5	440.4	0.00	0.00	0.00
5,600.0	16.45	279.80	5,417.7	221.4	-1,281.4	450.2	0.00	0.00	0.00
5,700.0	16.45	279.80	5,513.6	226.3	-1,309.3	460.0	0.00	0.00	0.00
5,778.2	16.45	279.80	5,588.6	230.0	-1,331.2	467.7	0.00	0.00	0.00
5,800.0	16.02	279.80	5,609.5	231.1	-1,337.2	469.8	2.00	-2.00	0.00
5,900.0	14.02	279.80	5,706.1	235.5	-1,362.7	478.7	2.00	-2.00	0.00
6,000.0	12.02	279.80	5,803.5	239.3	-1,384.9	486.5	2.00	-2.00	0.00
6,100.0	10.02	279.80	5,901.7	242.6	-1,403.7	493.1	2.00	-2.00	0.00
6,200.0	8.02	279.80	6,000.4	245.2	-1,419.2	498.6	2.00	-2.00	0.00
6,300.0	6.02	279.80	6,099.7	247.3	-1,431.2	502.8	2.00	-2.00	0.00
6,400.0	4.02	279.80	6,199.3	248.8	-1,439.8	505.8	2.00	-2.00	0.00
6,500.0	2.02	279.80	6,299.2	249.7	-1,445.0	507.7	2.00	-2.00	0.00
6,600.0	0.02	279.80	6,399.1	250.0	-1,446.8	508.3	2.00	-2.00	0.00
6,600.9	0.00	0.00	6,400.0	250.0	-1,446.8	508.3	2.00	-2.00	0.00
6,700.0	0.00	0.00	6,499.1	250.0	-1,446.8	508.3	0.00	0.00	0.00
6,765.7	0.00	0.00	6,564.8	250.0	-1,446.8	508.3	0.00	0.00	0.00
KOP #2									
6,800.0	2.75	360.00	6,599.1	250.8	-1,446.8	509.1	8.01	8.01	0.00
6,900.0	10.75	360.00	6,698.4	262.6	-1,446.8	520.6	8.00	8.00	0.00
7,000.0	18.75	360.00	6,795.0	288.0	-1,446.8	545.6	8.00	8.00	0.00
7,100.0	26.75	360.00	6,887.1	326.6	-1,446.8	583.6	8.00	8.00	0.00
7,200.0	34.75	360.00	6,973.0	377.7	-1,446.8	633.9	8.00	8.00	0.00
7,300.0	42.75	360.00	7,050.9	440.3	-1,446.8	695.4	8.00	8.00	0.00
7,400.0	50.75	360.00	7,119.4	513.0	-1,446.8	766.9	8.00	8.00	0.00
7,500.0	58.75	360.00	7,177.1	594.6	-1,446.8	847.2	8.00	8.00	0.00
7,600.0	66.75	360.00	7,222.8	683.4	-1,446.8	934.5	8.00	8.00	0.00
7,700.0	74.75	360.00	7,255.8	777.8	-1,446.8	1,027.3	8.00	8.00	0.00
7,800.0	82.75	360.00	7,275.3	875.8	-1,446.8	1,123.7	8.00	8.00	0.00
7,890.7	90.00	360.00	7,281.0	966.2	-1,446.8	1,212.6	8.00	8.00	0.00
End of Build - 7"									
7,900.0	90.00	360.00	7,281.0	975.5	-1,446.8	1,221.8	0.00	0.00	0.00
8,000.0	90.00	360.00	7,281.0	1,075.5	-1,446.8	1,320.1	0.00	0.00	0.00
8,100.0	90.00	360.00	7,281.0	1,175.5	-1,446.8	1,418.5	0.00	0.00	0.00
8,200.0	90.00	360.00	7,281.0	1,275.5	-1,446.8	1,516.8	0.00	0.00	0.00
8,300.0	90.00	360.00	7,281.0	1,375.5	-1,446.8	1,615.1	0.00	0.00	0.00
8,400.0	90.00	360.00	7,281.0	1,475.5	-1,446.8	1,713.5	0.00	0.00	0.00
8,500.0	90.00	360.00	7,281.0	1,575.5	-1,446.8	1,811.8	0.00	0.00	0.00
8,600.0	90.00	360.00	7,281.0	1,675.5	-1,446.8	1,910.2	0.00	0.00	0.00
8,700.0	90.00	360.00	7,281.0	1,775.5	-1,446.8	2,008.5	0.00	0.00	0.00
8,800.0	90.00	360.00	7,281.0	1,875.5	-1,446.8	2,106.8	0.00	0.00	0.00
8,900.0	90.00	360.00	7,281.0	1,975.5	-1,446.8	2,205.2	0.00	0.00	0.00
9,000.0	90.00	360.00	7,281.0	2,075.5	-1,446.8	2,303.5	0.00	0.00	0.00
9,100.0	90.00	360.00	7,281.0	2,175.5	-1,446.8	2,401.9	0.00	0.00	0.00
9,200.0	90.00	360.00	7,281.0	2,275.5	-1,446.8	2,500.2	0.00	0.00	0.00
9,300.0	90.00	360.00	7,281.0	2,375.5	-1,446.8	2,598.5	0.00	0.00	0.00
9,400.0	90.00	360.00	7,281.0	2,475.5	-1,446.8	2,696.9	0.00	0.00	0.00
9,500.0	90.00	360.00	7,281.0	2,575.5	-1,446.8	2,795.2	0.00	0.00	0.00
9,600.0	90.00	360.00	7,281.0	2,675.5	-1,446.8	2,893.6	0.00	0.00	0.00
9,700.0	90.00	360.00	7,281.0	2,775.5	-1,446.8	2,991.9	0.00	0.00	0.00

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Company:	Synergy Resources	TVD Reference:	WELL @ 4851.0ft (RKB-12')
Project:	SEC.14-T5N-R66W	MD Reference:	WELL @ 4851.0ft (RKB-12')
Site:	SRC Gilbert 42-14-11NHZ Pad Sec.14-T5N-R66W	North Reference:	True
Well:	SRC Gilbert A-14-11NHZM	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan #2 (7-31-14)		

Planned Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
9,800.0	90.00	360.00	7,281.0	2,875.5	-1,446.8	3,090.3	0.00	0.00	0.00
9,900.0	90.00	360.00	7,281.0	2,975.5	-1,446.8	3,188.6	0.00	0.00	0.00
10,000.0	90.00	360.00	7,281.0	3,075.5	-1,446.8	3,286.9	0.00	0.00	0.00
10,100.0	90.00	360.00	7,281.0	3,175.5	-1,446.8	3,385.3	0.00	0.00	0.00
10,200.0	90.00	360.00	7,281.0	3,275.5	-1,446.8	3,483.6	0.00	0.00	0.00
10,300.0	90.00	360.00	7,281.0	3,375.5	-1,446.8	3,582.0	0.00	0.00	0.00
10,400.0	90.00	360.00	7,281.0	3,475.5	-1,446.8	3,680.3	0.00	0.00	0.00
10,500.0	90.00	360.00	7,281.0	3,575.5	-1,446.8	3,778.6	0.00	0.00	0.00
10,600.0	90.00	360.00	7,281.0	3,675.5	-1,446.8	3,877.0	0.00	0.00	0.00
10,700.0	90.00	360.00	7,281.0	3,775.5	-1,446.8	3,975.3	0.00	0.00	0.00
10,800.0	90.00	360.00	7,281.0	3,875.5	-1,446.8	4,073.7	0.00	0.00	0.00
10,900.0	90.00	360.00	7,281.0	3,975.5	-1,446.8	4,172.0	0.00	0.00	0.00
11,000.0	90.00	360.00	7,281.0	4,075.5	-1,446.8	4,270.3	0.00	0.00	0.00
11,100.0	90.00	360.00	7,281.0	4,175.5	-1,446.8	4,368.7	0.00	0.00	0.00
11,200.0	90.00	360.00	7,281.0	4,275.5	-1,446.8	4,467.0	0.00	0.00	0.00
11,300.0	90.00	360.00	7,281.0	4,375.5	-1,446.8	4,565.4	0.00	0.00	0.00
11,400.0	90.00	360.00	7,281.0	4,475.5	-1,446.8	4,663.7	0.00	0.00	0.00
11,500.0	90.00	360.00	7,281.0	4,575.5	-1,446.8	4,762.1	0.00	0.00	0.00
11,600.0	90.00	360.00	7,281.0	4,675.5	-1,446.8	4,860.4	0.00	0.00	0.00
11,700.0	90.00	360.00	7,281.0	4,775.5	-1,446.8	4,958.7	0.00	0.00	0.00
11,800.0	90.00	360.00	7,281.0	4,875.5	-1,446.8	5,057.1	0.00	0.00	0.00
11,900.0	90.00	360.00	7,281.0	4,975.5	-1,446.8	5,155.4	0.00	0.00	0.00
12,000.0	90.00	360.00	7,281.0	5,075.5	-1,446.8	5,253.8	0.00	0.00	0.00
12,100.0	90.00	360.00	7,281.0	5,175.5	-1,446.8	5,352.1	0.00	0.00	0.00
12,200.0	90.00	360.00	7,281.0	5,275.5	-1,446.8	5,450.4	0.00	0.00	0.00
12,300.0	90.00	360.00	7,281.0	5,375.5	-1,446.8	5,548.8	0.00	0.00	0.00
12,400.0	90.00	360.00	7,281.0	5,475.5	-1,446.8	5,647.1	0.00	0.00	0.00
12,500.0	90.00	360.00	7,281.0	5,575.5	-1,446.8	5,745.5	0.00	0.00	0.00
12,600.0	90.00	360.00	7,281.0	5,675.5	-1,446.8	5,843.8	0.00	0.00	0.00
12,700.0	90.00	360.00	7,281.0	5,775.5	-1,446.8	5,942.2	0.00	0.00	0.00
12,800.0	90.00	360.00	7,281.0	5,875.5	-1,446.8	6,040.5	0.00	0.00	0.00
12,900.0	90.00	360.00	7,281.0	5,975.5	-1,446.8	6,138.8	0.00	0.00	0.00
13,000.0	90.00	360.00	7,281.0	6,075.5	-1,446.8	6,237.2	0.00	0.00	0.00
13,100.0	90.00	360.00	7,281.0	6,175.5	-1,446.8	6,335.5	0.00	0.00	0.00
13,200.0	90.00	360.00	7,281.0	6,275.5	-1,446.8	6,433.9	0.00	0.00	0.00
13,300.0	90.00	360.00	7,281.0	6,375.5	-1,446.8	6,532.2	0.00	0.00	0.00
13,400.0	90.00	360.00	7,281.0	6,475.5	-1,446.8	6,630.5	0.00	0.00	0.00
13,500.0	90.00	360.00	7,281.0	6,575.5	-1,446.8	6,728.9	0.00	0.00	0.00
13,600.0	90.00	360.00	7,281.0	6,675.5	-1,446.8	6,827.2	0.00	0.00	0.00
13,700.0	90.00	360.00	7,281.0	6,775.5	-1,446.8	6,925.6	0.00	0.00	0.00
13,800.0	90.00	360.00	7,281.0	6,875.5	-1,446.8	7,023.9	0.00	0.00	0.00
13,900.0	90.00	360.00	7,281.0	6,975.5	-1,446.8	7,122.2	0.00	0.00	0.00
14,000.0	90.00	360.00	7,281.0	7,075.5	-1,446.8	7,220.6	0.00	0.00	0.00
14,100.0	90.00	360.00	7,281.0	7,175.5	-1,446.8	7,318.9	0.00	0.00	0.00
14,200.0	90.00	360.00	7,281.0	7,275.5	-1,446.8	7,417.3	0.00	0.00	0.00
14,300.0	90.00	360.00	7,281.0	7,375.5	-1,446.8	7,515.6	0.00	0.00	0.00
14,400.0	90.00	360.00	7,281.0	7,475.5	-1,446.8	7,614.0	0.00	0.00	0.00
14,500.0	90.00	360.00	7,281.0	7,575.5	-1,446.8	7,712.3	0.00	0.00	0.00
14,600.0	90.00	360.00	7,281.0	7,675.5	-1,446.8	7,810.6	0.00	0.00	0.00
14,700.0	90.00	360.00	7,281.0	7,775.5	-1,446.8	7,909.0	0.00	0.00	0.00
14,768.5	90.00	360.00	7,281.0	7,844.1	-1,446.8	7,976.4	0.00	0.00	0.00

Database:	Landmark	Local Co-ordinate Reference:	Well SRC Gilbert A-14-11NHZM
Company:	Synergy Resources	TVD Reference:	WELL @ 4851.0ft (RKB-12')
Project:	SEC.14-T5N-R66W	MD Reference:	WELL @ 4851.0ft (RKB-12')
Site:	SRC Gilbert 42-14-11NHZ Pad Sec.14-T5N-R66W	North Reference:	True
Well:	SRC Gilbert A-14-11NHZM	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan #2 (7-31-14)		

Targets									
Target Name	Dip Angle	Dip Dir.	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
- hit/miss target	(°)	(°)	(ft)	(ft)	(ft)	(ft)	(ft)		
- Shape									
SHL 2482'FSL & 2312'	0.00	0.00	1.0	0.0	0.0	1,389,104.51	3,210,760.40	40.399025	-104.743260
- plan hits target center									
- Point									
BHL 480'FNL & 2204'	0.00	0.00	7,281.0	7,844.1	-1,446.8	1,396,935.61	3,209,246.82	40.420556	-104.748456
- plan hits target center									
- Point									

Casing Points					
Measured Depth	Vertical Depth	Name		Casing Diameter	Hole Diameter
(ft)	(ft)			(")	(")
7,890.7	7,281.0	7"		7	7-1/2

Plan Annotations				
Measured Depth	Vertical Depth	Local Coordinates		Comment
(ft)	(ft)	+N/-S (ft)	+E/-W (ft)	
600.0	600.0	0.0	0.0	KOP #1
6,765.7	6,564.8	250.0	-1,446.8	KOP #2
7,890.7	7,281.0	966.2	-1,446.8	End of Build



Synergy Resources

SEC.14-T5N-R66W

SRC Gilbert 42-14-11NHZ Pad Sec.14-T5N-R66W

SRC Gilbert A-14-11NHZM

Wellbore #1

Plan #2 (7-31-14)

Anticollision Report

31 July, 2014

Company:	Synergy Resources	Local Co-ordinate Reference:	Well SRC Gilbert A-14-11NHZM
Project:	SEC.14-T5N-R66W	TVD Reference:	WELL @ 4851.0ft (RKB-12')
Reference Site:	SRC Gilbert 42-14-11NHZ Pad Sec.14-T5N-R66W	MD Reference:	WELL @ 4851.0ft (RKB-12')
Site Error:	0.0ft	North Reference:	True
Reference Well:	SRC Gilbert A-14-11NHZM	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	Landmark
Reference Design:	Plan #2 (7-31-14)	Offset TVD Reference:	Offset Datum

Reference	Plan #2 (7-31-14)		
Filter type:	NO GLOBAL FILTER: Using user defined selection & filtering criteria		
Interpolation Method:	MD Interval 100.0ft	Error Model:	ISCWSA
Depth Range:	Unlimited	Scan Method:	Closest Approach 3D
Results Limited by:	Maximum center-center distance of 1,000.0ft	Error Surface:	Elliptical Conic
Warning Levels Evaluated at:	2.00 Sigma		

Survey Tool Program	Date 7/31/2014			
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description
0.0	14,768.5	Plan #2 (7-31-14) (Wellbore #1)	MWD	MWD - Standard

Summary						
Site Name	Reference Measured Depth (ft)	Offset Measured Depth (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Separation Factor	Warning
Offset Well - Wellbore - Design						
SRC Gilbert 42-14-11NHZ Pad Sec.14-T5N-R66W						
SRC Gilbert 12-14-11CHZ - Wellbore #1 - Plan #1 (7-30-	400.0	399.0	22.6	21.0	14.362	CC, ES
SRC Gilbert 12-14-11CHZ - Wellbore #1 - Plan #1 (7-30-	12,100.0	12,371.9	731.3	538.7	3.797	SF
SRC Gilbert 12-14-11NHZ - Wellbore #1 - Plan #1 (7-30-	200.0	198.0	45.1	44.5	67.367	CC, ES
SRC Gilbert 12-14-11NHZ - Wellbore #1 - Plan #1 (7-30-	1,600.0	1,535.0	206.1	198.7	27.659	SF
SRC Gilbert 32-14-11HNZ - Wellbore #1 - Plan #1 (7-30-	610.5	606.9	89.5	87.0	35.659	CC, ES
SRC Gilbert 32-14-11HNZ - Wellbore #1 - Plan #1 (7-30-	1,000.0	994.0	117.8	113.5	27.276	SF
SRC Gilbert 42-14-11CHZ - Wellbore #1 - Plan #2 (7-24-	600.0	596.0	44.8	42.4	18.204	CC, ES
SRC Gilbert 42-14-11CHZ - Wellbore #1 - Plan #2 (7-24-	800.0	795.8	51.7	48.4	15.510	SF
SRC Gilbert 42-14-11NHZ - Wellbore #1 - Plan #2 (7-24-	600.0	596.0	67.4	64.9	27.362	CC, ES
SRC Gilbert 42-14-11NHZ - Wellbore #1 - Plan #2 (7-24-	900.0	895.5	82.9	79.2	21.988	SF
SRC Gilbert A-14-11CHZM - Wellbore #1 - Plan #2 (7-31	600.0	596.0	22.3	19.8	9.045	CC, ES
SRC Gilbert A-14-11CHZM - Wellbore #1 - Plan #2 (7-31	14,768.5	14,851.7	404.9	123.9	1.441	Level 3, SF

Offset Design											
SRC Gilbert 42-14-11NHZ Pad Sec.14-T5N-R66W - SRC Gilbert 12-14-11CHZ - Wellbore #1 - Plan #1											
Survey Program: 0-MWD											
Reference											
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)
0.0	0.0	0.0	0.0	0.0	0.0	-89.05	0.4	-22.6	22.6		
100.0	100.0	99.0	99.0	0.1	0.1	-89.05	0.4	-22.6	22.6	22.3	0.22
200.0	200.0	199.0	199.0	0.3	0.3	-89.05	0.4	-22.6	22.6	21.9	0.67
300.0	300.0	299.0	299.0	0.6	0.6	-89.05	0.4	-22.6	22.6	21.4	1.12
400.0	400.0	399.0	399.0	0.8	0.8	-89.05	0.4	-22.6	22.6	21.0	1.57
500.0	500.0	498.2	498.2	1.0	1.0	-88.66	0.6	-24.2	24.3	22.2	2.01
600.0	600.0	597.1	597.0	1.2	1.2	-87.73	1.2	-29.3	29.4	26.9	2.45
700.0	700.0	695.8	695.3	1.5	1.4	-6.83	2.2	-37.7	36.2	33.4	2.87
800.0	799.8	794.2	792.9	1.7	1.7	-6.61	3.5	-49.5	43.0	39.7	3.30
900.0	899.5	892.4	889.9	1.9	2.0	-6.66	5.3	-64.5	49.8	46.1	3.73
1,000.0	998.7	990.3	986.2	2.2	2.4	-6.88	7.4	-82.8	56.5	52.4	4.17
1,100.0	1,097.5	1,088.1	1,081.5	2.5	2.8	-7.22	10.0	-104.2	63.2	58.6	4.63
1,200.0	1,195.6	1,185.6	1,175.8	2.8	3.2	-7.65	12.9	-128.9	69.8	64.7	5.10
1,300.0	1,293.1	1,282.9	1,269.0	3.2	3.8	-8.14	16.1	-156.6	76.3	70.8	5.59
1,400.0	1,389.6	1,380.0	1,361.0	3.7	4.4	-8.68	19.7	-187.4	82.8	76.7	6.10

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

SRC Gilbert 42-14-11NHZ Pad Sec.14-T5N-R66W - SRC Gilbert 12-14-11CHZ - Wellbore #1 - Plan #1													Offset Site Error:	0.0 ft
Survey Program: 0-MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset	Highside Toolface	Offset Wellbore Centre		Between Centres	Between Ellipses	Minimum Separation	Separation Factor		
(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(°)	+N/-S (ft)	+E/-W (ft)	(ft)	(ft)	(ft)			
1,500.0	1,485.6	1,476.8	1,451.6	4.2	5.1	-9.16	23.7	-221.2	90.2	83.6	6.66	13.559		
1,600.0	1,581.5	1,573.7	1,541.2	4.7	5.8	-9.38	28.0	-258.0	100.9	93.6	7.24	13.922		
1,700.0	1,677.4	1,673.0	1,632.6	5.3	6.6	-9.49	32.6	-296.6	112.5	104.7	7.85	14.332		
1,800.0	1,773.3	1,772.4	1,723.9	5.8	7.4	-9.58	37.1	-335.3	124.2	115.7	8.47	14.666		
1,900.0	1,869.2	1,871.7	1,815.3	6.4	8.2	-9.66	41.6	-374.0	135.9	126.8	9.10	14.940		
2,000.0	1,965.1	1,971.0	1,906.7	7.0	9.0	-9.72	46.2	-412.7	147.6	137.9	9.73	15.169		
2,100.0	2,061.0	2,070.3	1,998.0	7.6	9.8	-9.78	50.7	-451.3	159.3	148.9	10.37	15.361		
2,200.0	2,156.9	2,169.6	2,089.4	8.2	10.7	-9.83	55.3	-490.0	170.9	159.9	11.01	15.525		
2,300.0	2,252.8	2,268.9	2,180.7	8.8	11.5	-9.87	59.8	-528.7	182.6	171.0	11.66	15.665		
2,400.0	2,348.7	2,368.2	2,272.1	9.4	12.3	-9.91	64.3	-567.3	194.3	182.0	12.31	15.787		
2,500.0	2,444.6	2,467.6	2,363.5	10.0	13.2	-9.94	68.9	-606.0	206.0	193.0	12.96	15.893		
2,600.0	2,540.5	2,566.9	2,454.8	10.6	14.0	-9.97	73.4	-644.7	217.7	204.1	13.62	15.986		
2,700.0	2,636.4	2,666.2	2,546.2	11.1	14.8	-9.99	78.0	-683.3	229.4	215.1	14.27	16.068		
2,800.0	2,732.3	2,765.5	2,637.6	11.7	15.7	-10.02	82.5	-722.0	241.0	226.1	14.93	16.140		
2,900.0	2,828.2	2,864.8	2,728.9	12.3	16.5	-10.04	87.1	-760.7	252.7	237.1	15.59	16.205		
3,000.0	2,924.2	2,964.1	2,820.3	12.9	17.3	-10.06	91.6	-799.3	264.4	248.1	16.26	16.264		
3,100.0	3,020.1	3,063.5	2,911.7	13.5	18.2	-10.07	96.1	-838.0	276.1	259.2	16.92	16.316		
3,200.0	3,116.0	3,162.8	3,003.0	14.1	19.0	-10.09	100.7	-876.7	287.8	270.2	17.58	16.364		
3,300.0	3,211.9	3,262.1	3,094.4	14.8	19.9	-10.11	105.2	-915.3	299.4	281.2	18.25	16.408		
3,400.0	3,307.8	3,361.4	3,185.8	15.4	20.7	-10.12	109.8	-954.0	311.1	292.2	18.92	16.447		
3,500.0	3,403.7	3,460.7	3,277.1	16.0	21.5	-10.13	114.3	-992.7	322.8	303.2	19.58	16.483		
3,600.0	3,499.6	3,560.0	3,368.5	16.6	22.4	-10.15	118.8	-1,031.4	334.5	314.2	20.25	16.516		
3,700.0	3,595.5	3,659.3	3,459.9	17.2	23.2	-10.16	123.4	-1,070.0	346.2	325.2	20.92	16.547		
3,800.0	3,691.4	3,758.7	3,551.2	17.8	24.1	-10.17	127.9	-1,108.7	357.9	336.3	21.59	16.575		
3,900.0	3,787.3	3,858.0	3,642.6	18.4	24.9	-10.18	132.5	-1,147.4	369.5	347.3	22.26	16.602		
4,000.0	3,883.2	3,957.3	3,734.0	19.0	25.7	-10.19	137.0	-1,186.0	381.2	358.3	22.93	16.626		
4,100.0	3,979.1	4,056.6	3,825.3	19.6	26.6	-10.19	141.5	-1,224.7	392.9	369.3	23.60	16.649		
4,200.0	4,075.0	4,155.9	3,916.7	20.2	27.4	-10.20	146.1	-1,263.4	404.6	380.3	24.27	16.670		
4,300.0	4,170.9	4,255.2	4,008.1	20.8	28.3	-10.21	150.6	-1,302.0	416.3	391.3	24.94	16.689		
4,400.0	4,266.8	4,354.6	4,099.4	21.4	29.1	-10.22	155.2	-1,340.7	427.9	402.3	25.61	16.708		
4,500.0	4,362.7	4,453.9	4,190.8	22.0	30.0	-10.22	159.7	-1,379.4	439.6	413.3	26.29	16.725		
4,600.0	4,458.6	4,553.2	4,282.2	22.6	30.8	-10.23	164.2	-1,418.0	451.3	424.3	26.96	16.741		
4,700.0	4,554.5	4,652.5	4,373.5	23.2	31.6	-10.24	168.8	-1,456.7	463.0	435.4	27.63	16.757		
4,800.0	4,650.5	4,751.8	4,464.9	23.8	32.5	-10.24	173.3	-1,495.4	474.7	446.4	28.30	16.771		
4,900.0	4,746.4	4,851.1	4,556.2	24.4	33.3	-10.25	177.9	-1,534.0	486.4	457.4	28.98	16.785		
5,000.0	4,842.3	4,950.4	4,647.6	25.0	34.2	-10.25	182.4	-1,572.7	498.0	468.4	29.65	16.798		
5,100.0	4,938.2	5,049.8	4,739.0	25.6	35.0	-10.26	187.0	-1,611.4	509.7	479.4	30.32	16.810		
5,200.0	5,034.1	5,149.1	4,830.3	26.2	35.9	-10.26	191.5	-1,650.1	521.4	490.4	31.00	16.821		
5,300.0	5,130.0	5,248.4	4,921.7	26.9	36.7	-10.27	196.0	-1,688.7	533.1	501.4	31.67	16.832		
5,400.0	5,225.9	5,347.7	5,013.1	27.5	37.5	-10.27	200.6	-1,727.4	544.8	512.4	32.34	16.843		
5,500.0	5,321.8	5,447.0	5,104.4	28.1	38.4	-10.28	205.1	-1,766.1	556.4	523.4	33.02	16.853		
5,600.0	5,417.7	5,546.3	5,195.8	28.7	39.2	-10.28	209.7	-1,804.7	568.1	534.4	33.69	16.862		
5,700.0	5,513.6	5,645.7	5,287.2	29.3	40.1	-10.29	214.2	-1,843.4	579.8	545.4	34.37	16.871		
5,800.0	5,609.5	5,745.0	5,378.5	29.9	40.9	-10.30	218.7	-1,882.1	591.6	556.5	35.03	16.887		
5,900.0	5,706.1	5,844.0	5,469.6	30.3	41.8	-10.31	223.3	-1,920.6	605.7	570.1	35.60	17.014		
6,000.0	5,803.5	5,967.2	5,583.9	30.7	42.6	-10.27	228.6	-1,966.5	621.4	585.3	36.15	17.190		
6,100.0	5,901.7	6,093.7	5,703.1	31.0	43.3	-10.23	233.6	-2,008.4	636.2	599.6	36.62	17.375		
6,200.0	6,000.4	6,221.1	5,824.9	31.3	44.0	-10.18	237.9	-2,045.3	650.1	613.1	37.00	17.569		
6,300.0	6,099.7	6,349.4	5,949.2	31.5	44.5	-10.12	241.6	-2,077.1	663.0	625.7	37.30	17.772		
6,400.0	6,199.3	6,478.7	6,075.7	31.7	45.0	-10.05	244.7	-2,103.4	674.8	637.3	37.52	17.984		
6,500.0	6,299.2	6,608.8	6,204.1	31.9	45.3	-9.98	247.2	-2,124.2	685.6	648.0	37.66	18.206		

Company:	Synergy Resources	Local Co-ordinate Reference:	Well SRC Gilbert A-14-11NHZM
Project:	SEC.14-T5N-R66W	TVD Reference:	WELL @ 4851.0ft (RKB-12')
Reference Site:	SRC Gilbert 42-14-11NHZ Pad Sec.14-T5N-R66W	MD Reference:	WELL @ 4851.0ft (RKB-12')
Site Error:	0.0ft	North Reference:	True
Reference Well:	SRC Gilbert A-14-11NHZM	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	Landmark
Reference Design:	Plan #2 (7-31-14)	Offset TVD Reference:	Offset Datum

Offset Design													SRC Gilbert 42-14-11NHZ Pad Sec.14-T5N-R66W - SRC Gilbert 12-14-11CHZ - Wellbore #1 - Plan #1		Offset Site Error:		0.0 ft
Survey Program: 0-MWD													Offset Well Error:		0.0 ft		
Reference		Offset		Semi Major Axis			Distance							Warning			
Measured Depth	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset	Highside Toolface	Offset Wellbore Centre		Between Centres	Between Ellipses	Minimum Separation	Separation Factor					
Depth (ft)	(ft)	Depth (ft)	(ft)	(ft)	(ft)	(°)	+N/-S (ft)	+E/-W (ft)	(ft)	(ft)	(ft)						
6,600.0	6,399.1	6,739.6	6,334.0	32.0	45.6	-9.89	248.9	-2,139.2	695.4	657.7	37.71	18.439					
6,700.0	6,499.1	6,871.3	6,465.4	32.1	45.8	-90.00	250.0	-2,148.3	702.3	664.3	38.05	18.458					
6,800.0	6,599.1	7,003.5	6,597.5	32.2	45.9	-90.03	250.4	-2,151.5	704.7	666.3	38.41	18.348					
6,900.0	6,698.4	7,103.3	6,697.4	32.3	46.0	-90.97	250.4	-2,151.5	704.8	665.8	38.98	18.081					
7,000.0	6,795.0	7,203.2	6,797.2	32.4	46.1	-92.75	253.4	-2,151.5	705.6	665.7	39.84	17.708					
7,100.0	6,887.1	7,307.2	6,899.7	32.6	46.2	-94.57	270.3	-2,151.5	707.1	666.2	40.84	17.315					
7,200.0	6,973.0	7,415.1	7,002.3	32.9	46.3	-96.34	303.4	-2,151.5	709.2	667.3	41.91	16.924					
7,300.0	7,050.9	7,527.1	7,102.3	33.2	46.5	-98.01	353.6	-2,151.5	711.9	668.9	43.01	16.552					
7,400.0	7,119.4	7,643.3	7,196.4	33.6	46.7	-99.53	421.5	-2,151.5	714.9	670.8	44.11	16.208					
7,500.0	7,177.1	7,763.5	7,280.9	34.0	47.0	-100.86	506.8	-2,151.5	717.8	672.7	45.18	15.889					
7,600.0	7,222.8	7,887.5	7,351.9	34.5	47.4	-101.96	608.3	-2,151.5	720.5	674.3	46.24	15.584					
7,700.0	7,255.8	8,014.6	7,405.4	35.1	47.9	-102.77	723.4	-2,151.5	722.7	675.3	47.33	15.270					
7,800.0	7,275.3	8,144.0	7,438.2	35.9	48.5	-103.26	848.3	-2,151.5	724.0	675.5	48.51	14.924					
7,900.0	7,281.0	8,271.7	7,448.0	36.7	49.2	-103.41	975.5	-2,151.5	724.4	674.5	49.98	14.495					
8,000.0	7,281.0	8,371.7	7,448.0	37.6	49.8	-103.41	1,075.5	-2,151.5	724.4	671.9	52.55	13.786					
8,100.0	7,281.0	8,471.7	7,448.0	38.5	50.5	-103.41	1,175.5	-2,151.5	724.4	669.2	55.25	13.113					
8,200.0	7,281.0	8,571.7	7,448.0	39.6	51.3	-103.41	1,275.5	-2,151.5	724.4	666.4	58.06	12.477					
8,300.0	7,281.0	8,671.7	7,448.0	40.7	52.1	-103.41	1,375.5	-2,151.5	724.4	663.5	60.98	11.880					
8,400.0	7,281.0	8,771.7	7,448.0	41.9	52.9	-103.41	1,475.5	-2,151.5	724.4	660.5	63.99	11.322					
8,500.0	7,281.0	8,871.7	7,448.0	43.1	53.9	-103.41	1,575.5	-2,151.5	724.4	657.4	67.07	10.802					
8,600.0	7,281.0	8,971.7	7,448.0	44.4	54.8	-103.41	1,675.5	-2,151.5	724.4	654.2	70.21	10.318					
8,700.0	7,281.0	9,071.7	7,448.0	45.7	55.9	-103.41	1,775.5	-2,151.5	724.4	651.0	73.41	9.868					
8,800.0	7,281.0	9,171.7	7,448.0	47.1	57.0	-103.41	1,875.5	-2,151.5	724.4	647.8	76.67	9.449					
8,900.0	7,281.0	9,271.7	7,448.0	48.6	58.1	-103.41	1,975.5	-2,151.5	724.4	644.5	79.96	9.060					
9,000.0	7,281.0	9,371.7	7,448.0	50.0	59.3	-103.41	2,075.5	-2,151.5	724.4	641.1	83.30	8.697					
9,100.0	7,281.0	9,471.7	7,448.0	51.5	60.5	-103.41	2,175.5	-2,151.5	724.4	637.8	86.67	8.359					
9,200.0	7,281.0	9,571.7	7,448.0	53.0	61.7	-103.41	2,275.5	-2,151.5	724.4	634.4	90.07	8.043					
9,300.0	7,281.0	9,671.7	7,448.0	54.6	63.0	-103.41	2,375.5	-2,151.5	724.4	630.9	93.50	7.748					
9,400.0	7,281.0	9,771.7	7,448.0	56.2	64.3	-103.41	2,475.5	-2,151.5	724.4	627.5	96.95	7.473					
9,500.0	7,281.0	9,871.7	7,448.0	57.8	65.7	-103.41	2,575.5	-2,151.5	724.4	624.0	100.42	7.214					
9,600.0	7,281.0	9,971.7	7,448.0	59.4	67.1	-103.41	2,675.5	-2,151.5	724.4	620.5	103.91	6.972					
9,700.0	7,281.0	10,071.7	7,448.0	61.0	68.5	-103.41	2,775.5	-2,151.5	724.4	617.0	107.42	6.744					
9,800.0	7,281.0	10,171.7	7,448.0	62.7	70.0	-103.41	2,875.5	-2,151.5	724.4	613.5	110.95	6.530					
9,900.0	7,281.0	10,271.7	7,448.0	64.3	71.4	-103.41	2,975.5	-2,151.5	724.4	610.0	114.49	6.328					
10,000.0	7,281.0	10,371.7	7,448.0	66.0	72.9	-103.41	3,075.5	-2,151.5	724.4	606.4	118.04	6.137					
10,100.0	7,281.0	10,471.7	7,448.0	67.7	74.4	-103.41	3,175.5	-2,151.5	724.4	602.8	121.61	5.957					
10,200.0	7,281.0	10,571.7	7,448.0	69.4	76.0	-103.41	3,275.5	-2,151.5	724.4	599.3	125.18	5.787					
10,300.0	7,281.0	10,671.7	7,448.0	71.1	77.5	-103.41	3,375.5	-2,151.5	724.4	595.7	128.77	5.626					
10,400.0	7,281.0	10,771.7	7,448.0	72.9	79.1	-103.41	3,475.5	-2,151.5	724.4	592.1	132.37	5.473					
10,500.0	7,281.0	10,871.7	7,448.0	74.6	80.7	-103.41	3,575.5	-2,151.5	724.4	588.5	135.97	5.328					
10,600.0	7,281.0	10,971.7	7,448.0	76.4	82.3	-103.41	3,675.5	-2,151.5	724.4	584.9	139.58	5.190					
10,700.0	7,281.0	11,071.7	7,448.0	78.1	83.9	-103.41	3,775.5	-2,151.5	724.4	581.2	143.20	5.059					
10,800.0	7,281.0	11,171.7	7,448.0	79.9	85.6	-103.41	3,875.5	-2,151.5	724.4	577.6	146.83	4.934					
10,900.0	7,281.0	11,271.7	7,448.0	81.7	87.2	-103.41	3,975.5	-2,151.5	724.4	574.0	150.46	4.815					
11,000.0	7,281.0	11,371.7	7,448.0	83.4	88.9	-103.41	4,075.5	-2,151.5	724.4	570.3	154.10	4.701					
11,100.0	7,281.0	11,471.7	7,448.0	85.2	90.5	-103.41	4,175.5	-2,151.5	724.4	566.7	157.75	4.592					
11,200.0	7,281.0	11,571.7	7,448.0	87.0	92.2	-103.41	4,275.5	-2,151.5	724.4	563.0	161.39	4.489					
11,300.0	7,281.0	11,671.7	7,448.0	88.8	93.9	-103.41	4,375.5	-2,151.5	724.4	559.4	165.05	4.389					
11,400.0	7,281.0	11,771.7	7,448.0	90.6	95.6	-103.41	4,475.5	-2,151.5	724.4	555.7	168.71	4.294					
11,500.0	7,281.0	11,871.7	7,448.0	92.4	97.3	-103.41	4,575.5	-2,151.5	724.4	552.1	172.37	4.203					
11,600.0	7,281.0	11,971.7	7,448.0	94.2	99.0	-103.41	4,675.5	-2,151.5	724.4	548.4	176.04	4.115					

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

Company:	Synergy Resources	Local Co-ordinate Reference:	Well SRC Gilbert A-14-11NHZM
Project:	SEC.14-T5N-R66W	TVD Reference:	WELL @ 4851.0ft (RKB-12')
Reference Site:	SRC Gilbert 42-14-11NHZ Pad Sec.14-T5N-R66W	MD Reference:	WELL @ 4851.0ft (RKB-12')
Site Error:	0.0ft	North Reference:	True
Reference Well:	SRC Gilbert A-14-11NHZM	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	Landmark
Reference Design:	Plan #2 (7-31-14)	Offset TVD Reference:	Offset Datum

Offset Design													SRC Gilbert 42-14-11NHZ Pad Sec.14-T5N-R66W - SRC Gilbert 12-14-11CHZ - Wellbore #1 - Plan #1		Offset Site Error:		0.0 ft	
Survey Program: 0-MWD															Offset Well Error:		0.0 ft	
Reference		Offset		Semi Major Axis			Distance							Warning				
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical 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						
11,700.0	7,281.0	12,071.7	7,448.0	96.1	100.7	-103.41	4,775.5	-2,151.5	724.4	544.7	179.70	4.031						
11,800.0	7,281.0	12,171.7	7,448.0	97.9	102.5	-103.41	4,875.5	-2,151.5	724.4	541.1	183.38	3.951						
11,900.0	7,281.0	12,271.7	7,448.0	99.7	104.2	-103.41	4,975.5	-2,151.5	724.4	537.4	187.05	3.873						
12,000.0	7,281.0	12,371.7	7,448.0	101.5	106.0	-103.41	5,075.5	-2,151.5	724.4	533.7	190.73	3.798						
12,100.0	7,281.0	12,371.9	7,448.0	103.4	106.0	-103.41	5,075.7	-2,151.5	731.3	538.7	192.58	3.797 SF						
12,200.0	7,281.0	12,371.9	7,448.0	105.2	106.0	-103.41	5,075.7	-2,151.5	751.5	557.1	194.43	3.865						
12,300.0	7,281.0	12,371.9	7,448.0	107.0	106.0	-103.41	5,075.7	-2,151.5	784.0	587.8	196.27	3.995						
12,400.0	7,281.0	12,371.9	7,448.0	108.9	106.0	-103.41	5,075.7	-2,151.5	827.5	629.3	198.12	4.176						
12,500.0	7,281.0	12,371.9	7,448.0	110.7	106.0	-103.41	5,075.7	-2,151.5	880.1	680.2	199.97	4.401						
12,600.0	7,281.0	12,371.9	7,448.0	112.6	106.0	-103.41	5,075.7	-2,151.5	940.5	738.7	201.82	4.660						

Company:	Synergy Resources	Local Co-ordinate Reference:	Well SRC Gilbert A-14-11NHZM
Project:	SEC.14-T5N-R66W	TVD Reference:	WELL @ 4851.0ft (RKB-12')
Reference Site:	SRC Gilbert 42-14-11NHZ Pad Sec.14-T5N-R66W	MD Reference:	WELL @ 4851.0ft (RKB-12')
Site Error:	0.0ft	North Reference:	True
Reference Well:	SRC Gilbert A-14-11NHZM	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	Landmark
Reference Design:	Plan #2 (7-31-14)	Offset TVD Reference:	Offset Datum

Offset Design													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	
0.0	0.0	0.0	0.0	0.0	0.0	-89.54	0.4	-45.1	45.2					
100.0	100.0	98.0	98.0	0.1	0.1	-89.54	0.4	-45.1	45.1	44.9	0.22	202.778		
200.0	200.0	198.0	198.0	0.3	0.3	-89.54	0.4	-45.1	45.1	44.5	0.67	67.367 CC, ES		
300.0	300.0	296.4	296.4	0.6	0.5	-89.38	0.5	-46.7	46.8	45.7	1.11	42.235		
400.0	400.0	394.6	394.5	0.8	0.8	-88.96	0.9	-51.7	51.8	50.3	1.55	33.389		
500.0	500.0	492.4	491.9	1.0	1.0	-88.41	1.7	-60.0	60.3	58.3	2.02	29.824		
600.0	600.0	589.4	588.2	1.2	1.3	-87.86	2.7	-71.4	72.2	69.6	2.52	28.593		
700.0	700.0	685.9	683.5	1.5	1.6	-7.28	4.0	-86.1	85.7	82.8	2.90	29.523		
800.0	799.8	781.9	777.9	1.7	2.0	-7.16	5.5	-103.8	99.0	95.7	3.34	29.663		
900.0	899.5	877.5	871.2	1.9	2.4	-7.21	7.3	-124.5	112.3	108.5	3.79	29.644		
1,000.0	998.7	972.7	963.3	2.2	2.9	-7.37	9.4	-148.3	125.4	121.2	4.25	29.508		
1,100.0	1,097.5	1,067.4	1,054.2	2.5	3.4	-7.62	11.8	-174.9	138.4	133.7	4.73	29.278		
1,200.0	1,195.6	1,161.8	1,143.9	2.8	4.0	-7.92	14.4	-204.5	151.2	146.0	5.22	28.966		
1,300.0	1,293.1	1,255.9	1,232.1	3.2	4.6	-8.26	17.2	-236.8	163.9	158.2	5.74	28.574		
1,400.0	1,389.6	1,349.5	1,318.9	3.7	5.4	-8.64	20.3	-271.8	176.4	170.1	6.26	28.194		
1,500.0	1,485.6	1,442.7	1,404.1	4.2	6.1	-9.03	23.6	-309.4	189.7	182.9	6.85	27.712		
1,600.0	1,581.5	1,535.0	1,487.2	4.7	7.0	-9.31	27.1	-349.4	206.1	198.7	7.45	27.659 SF		
1,700.0	1,677.4	1,626.2	1,568.0	5.3	7.9	-9.47	30.8	-391.5	225.7	217.6	8.07	27.955		
1,800.0	1,773.3	1,716.2	1,646.4	5.8	8.8	-9.55	34.7	-435.6	248.4	239.7	8.71	28.528		
1,900.0	1,869.2	1,805.4	1,722.7	6.4	9.8	-9.57	38.7	-481.6	274.0	264.7	9.35	29.314		
2,000.0	1,965.1	1,901.0	1,803.7	7.0	10.9	-9.55	43.2	-532.2	301.2	291.2	10.02	30.052		
2,100.0	2,061.0	1,997.2	1,885.2	7.6	12.1	-9.54	47.6	-583.2	328.4	317.7	10.70	30.684		
2,200.0	2,156.9	2,093.5	1,966.7	8.2	13.2	-9.52	52.1	-634.1	355.5	344.2	11.39	31.225		
2,300.0	2,252.8	2,189.7	2,048.2	8.8	14.4	-9.51	56.6	-685.1	382.7	370.6	12.08	31.692		
2,400.0	2,348.7	2,285.9	2,129.7	9.4	15.5	-9.51	61.1	-736.0	409.9	397.1	12.77	32.098		
2,500.0	2,444.6	2,382.2	2,211.2	10.0	16.7	-9.50	65.6	-787.0	437.1	423.6	13.47	32.455		
2,600.0	2,540.5	2,478.4	2,292.8	10.6	17.8	-9.49	70.0	-838.0	464.2	450.1	14.17	32.769		
2,700.0	2,636.4	2,574.7	2,374.3	11.1	19.0	-9.49	74.5	-888.9	491.4	476.5	14.87	33.049		
2,800.0	2,732.3	2,670.9	2,455.8	11.7	20.1	-9.48	79.0	-939.9	518.6	503.0	15.57	33.298		
2,900.0	2,828.2	2,767.1	2,537.3	12.3	21.3	-9.48	83.5	-990.8	545.7	529.5	16.28	33.523		
3,000.0	2,924.2	2,863.4	2,618.8	12.9	22.4	-9.47	87.9	-1,041.8	572.9	555.9	16.99	33.725		
3,100.0	3,020.1	2,959.6	2,700.4	13.5	23.6	-9.47	92.4	-1,092.7	600.1	582.4	17.70	33.908		
3,200.0	3,116.0	3,055.8	2,781.9	14.1	24.8	-9.46	96.9	-1,143.7	627.2	608.8	18.41	34.075		
3,300.0	3,211.9	3,152.1	2,863.4	14.8	25.9	-9.46	101.4	-1,194.6	654.4	635.3	19.12	34.228		
3,400.0	3,307.8	3,248.3	2,944.9	15.4	27.1	-9.46	105.9	-1,245.6	681.6	661.8	19.83	34.368		
3,500.0	3,403.7	3,344.6	3,026.4	16.0	28.3	-9.45	110.3	-1,296.5	708.8	688.2	20.55	34.496		
3,600.0	3,499.6	3,440.8	3,108.0	16.6	29.4	-9.45	114.8	-1,347.5	735.9	714.7	21.26	34.615		
3,700.0	3,595.5	3,537.0	3,189.5	17.2	30.6	-9.45	119.3	-1,398.5	763.1	741.1	21.98	34.725		
3,800.0	3,691.4	3,633.3	3,271.0	17.8	31.7	-9.45	123.8	-1,449.4	790.3	767.6	22.69	34.826		
3,900.0	3,787.3	3,729.5	3,352.5	18.4	32.9	-9.45	128.2	-1,500.4	817.4	794.0	23.41	34.921		
4,000.0	3,883.2	3,825.8	3,434.0	19.0	34.1	-9.44	132.7	-1,551.3	844.6	820.5	24.13	35.009		
4,100.0	3,979.1	3,922.0	3,515.6	19.6	35.2	-9.44	137.2	-1,602.3	871.8	846.9	24.84	35.092		
4,200.0	4,075.0	4,018.2	3,597.1	20.2	36.4	-9.44	141.7	-1,653.2	898.9	873.4	25.56	35.169		
4,300.0	4,170.9	4,114.5	3,678.6	20.8	37.6	-9.44	146.2	-1,704.2	926.1	899.8	26.28	35.241		
4,400.0	4,266.8	4,210.7	3,760.1	21.4	38.7	-9.44	150.6	-1,755.1	953.3	926.3	27.00	35.309		
4,500.0	4,362.7	4,306.9	3,841.6	22.0	39.9	-9.44	155.1	-1,806.1	980.5	952.7	27.72	35.373		

Company:	Synergy Resources	Local Co-ordinate Reference:	Well SRC Gilbert A-14-11NHZM
Project:	SEC.14-T5N-R66W	TVD Reference:	WELL @ 4851.0ft (RKB-12')
Reference Site:	SRC Gilbert 42-14-11NHZ Pad Sec.14-T5N-R66W	MD Reference:	WELL @ 4851.0ft (RKB-12')
Site Error:	0.0ft	North Reference:	True
Reference Well:	SRC Gilbert A-14-11NHZM	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	Landmark
Reference Design:	Plan #2 (7-31-14)	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.0 ft
Survey Program: 0-MWD													Offset Well Error:	0.0 ft
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference	Offset	Semi Major Axis	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
0.0	0.0	0.0	0.0	0.0	0.0	90.46	90.46	-0.7	89.7	89.8				
100.0	100.0	96.0	96.0	0.1	0.1	90.46	90.46	-0.7	89.7	89.7	89.5	0.22	407.158	
200.0	200.0	196.0	196.0	0.3	0.3	90.46	90.46	-0.7	89.7	89.7	89.0	0.67	134.807	
300.0	300.0	296.0	296.0	0.6	0.6	90.46	90.46	-0.7	89.7	89.7	88.6	1.11	80.449	
400.0	400.0	396.0	396.0	0.8	0.8	90.46	90.46	-0.7	89.7	89.7	88.1	1.56	57.332	
500.0	500.0	496.0	496.0	1.0	1.0	90.46	90.46	-0.7	89.7	89.7	87.7	2.01	44.535	
600.0	600.0	596.3	596.3	1.2	1.2	89.43	89.43	0.9	89.5	89.5	87.0	2.47	36.309	
610.5	610.5	606.9	606.8	1.3	1.3	169.39	169.39	1.3	89.5	89.5	87.0	2.51	35.659 CC, ES	
700.0	700.0	696.4	696.3	1.5	1.5	166.61	166.61	6.0	88.9	90.8	87.9	2.90	31.274	
800.0	799.8	796.1	795.6	1.7	1.7	162.18	162.18	14.5	88.0	95.8	92.4	3.35	28.587	
900.0	899.5	895.1	893.9	1.9	1.9	157.07	157.07	26.2	86.7	104.8	101.0	3.82	27.418	
1,000.0	998.7	994.0	991.9	2.2	2.2	153.01	153.01	38.9	85.3	117.8	113.5	4.32	27.276 SF	
1,100.0	1,097.5	1,092.5	1,089.6	2.5	2.5	150.46	150.46	51.6	83.9	134.3	129.4	4.83	27.775	
1,200.0	1,195.6	1,190.5	1,186.8	2.8	2.8	149.07	149.07	64.2	82.5	153.8	148.5	5.37	28.662	
1,300.0	1,293.1	1,287.9	1,283.4	3.2	3.1	148.52	148.52	76.7	81.1	176.4	170.4	5.92	29.794	
1,400.0	1,389.6	1,384.6	1,379.3	3.7	3.4	148.54	148.54	89.2	79.7	201.8	195.3	6.49	31.093	
1,500.0	1,485.6	1,480.8	1,474.6	4.2	3.7	149.03	149.03	101.5	78.3	229.2	222.1	7.09	32.308	
1,600.0	1,581.5	1,576.9	1,569.9	4.7	4.0	149.48	149.48	113.9	76.9	256.7	249.0	7.72	33.272	
1,700.0	1,677.4	1,673.0	1,665.2	5.3	4.3	149.85	149.85	126.3	75.5	284.3	275.9	8.35	34.052	
1,800.0	1,773.3	1,769.1	1,760.5	5.8	4.6	150.15	150.15	138.6	74.2	311.8	302.8	8.99	34.694	
1,900.0	1,869.2	1,865.2	1,855.8	6.4	4.9	150.40	150.40	151.0	72.8	339.4	329.7	9.63	35.231	
2,000.0	1,965.1	1,961.4	1,951.1	7.0	5.2	150.61	150.61	163.3	71.4	366.9	356.7	10.28	35.685	
2,100.0	2,061.0	2,057.5	2,046.5	7.6	5.5	150.79	150.79	175.7	70.0	394.5	383.6	10.94	36.073	
2,200.0	2,156.9	2,153.6	2,141.8	8.2	5.8	150.95	150.95	188.1	68.7	422.1	410.5	11.59	36.408	
2,300.0	2,252.8	2,249.7	2,237.1	8.8	6.1	151.09	151.09	200.4	67.3	449.6	437.4	12.25	36.700	
2,400.0	2,348.7	2,345.8	2,332.4	9.4	6.4	151.21	151.21	212.8	65.9	477.2	464.3	12.91	36.956	
2,500.0	2,444.6	2,441.9	2,427.7	10.0	6.7	151.32	151.32	225.1	64.5	504.8	491.2	13.58	37.182	
2,600.0	2,540.5	2,541.6	2,526.7	10.6	7.0	151.61	151.61	236.3	63.3	532.0	517.9	14.18	37.525	
2,700.0	2,636.4	2,641.4	2,626.2	11.1	7.2	152.23	152.23	244.0	62.4	558.7	544.0	14.72	37.967	
2,800.0	2,732.3	2,741.1	2,725.8	11.7	7.4	153.14	153.14	248.3	61.9	584.8	569.6	15.20	38.474	
2,900.0	2,828.2	2,839.5	2,824.2	12.3	7.6	154.27	154.27	249.3	61.8	610.6	594.9	15.64	39.039	
3,000.0	2,924.2	2,935.5	2,920.2	12.9	7.7	155.37	155.37	249.3	61.8	636.4	620.3	16.08	39.587	
3,100.0	3,020.1	3,031.4	3,016.1	13.5	7.9	156.38	156.38	249.3	61.8	662.4	645.9	16.52	40.097	
3,200.0	3,116.0	3,127.3	3,112.0	14.1	8.1	157.32	157.32	249.3	61.8	688.6	671.6	16.97	40.589	
3,300.0	3,211.9	3,223.2	3,207.9	14.8	8.2	158.19	158.19	249.3	61.8	715.0	697.6	17.41	41.063	
3,400.0	3,307.8	3,319.1	3,303.8	15.4	8.4	159.00	159.00	249.3	61.8	741.5	723.6	17.86	41.518	
3,500.0	3,403.7	3,415.0	3,399.7	16.0	8.6	159.75	159.75	249.3	61.8	768.1	749.8	18.31	41.954	
3,600.0	3,499.6	3,510.9	3,495.6	16.6	8.8	160.46	160.46	249.3	61.8	794.9	776.1	18.76	42.372	
3,700.0	3,595.5	3,606.8	3,591.5	17.2	9.0	161.11	161.11	249.3	61.8	821.7	802.5	19.21	42.772	
3,800.0	3,691.4	3,702.7	3,687.4	17.8	9.1	161.73	161.73	249.3	61.8	848.7	829.0	19.67	43.154	
3,900.0	3,787.3	3,798.6	3,783.3	18.4	9.3	162.31	162.31	249.3	61.8	875.7	855.6	20.12	43.520	
4,000.0	3,883.2	3,894.5	3,879.2	19.0	9.5	162.85	162.85	249.3	61.8	902.9	882.3	20.58	43.869	
4,100.0	3,979.1	3,990.4	3,975.1	19.6	9.7	163.37	163.37	249.3	61.8	930.1	909.0	21.04	44.203	
4,200.0	4,075.0	4,086.3	4,071.0	20.2	9.9	163.85	163.85	249.3	61.8	957.3	935.8	21.50	44.522	
4,300.0	4,170.9	4,182.2	4,166.9	20.8	10.1	164.31	164.31	249.3	61.8	984.6	962.7	21.97	44.826	

Company:	Synergy Resources	Local Co-ordinate Reference:	Well SRC Gilbert A-14-11NHZM
Project:	SEC.14-T5N-R66W	TVD Reference:	WELL @ 4851.0ft (RKB-12')
Reference Site:	SRC Gilbert 42-14-11NHZ Pad Sec.14-T5N-R66W	MD Reference:	WELL @ 4851.0ft (RKB-12')
Site Error:	0.0ft	North Reference:	True
Reference Well:	SRC Gilbert A-14-11NHZM	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	Landmark
Reference Design:	Plan #2 (7-31-14)	Offset TVD Reference:	Offset Datum

Offset Design SRC Gilbert 42-14-11NHZ Pad Sec.14-T5N-R66W - SRC Gilbert 42-14-11CHZ - Wellbore #1 - Plan #2													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	
0.0	0.0	0.0	0.0	0.0	0.0	90.45	-0.4	44.8	45.0					
100.0	100.0	96.0	96.0	0.1	0.1	90.45	-0.4	44.8	44.8	44.6	0.22	203.579		
200.0	200.0	196.0	196.0	0.3	0.3	90.45	-0.4	44.8	44.8	44.2	0.67	67.404		
300.0	300.0	296.0	296.0	0.6	0.6	90.45	-0.4	44.8	44.8	43.7	1.11	40.225		
400.0	400.0	396.0	396.0	0.8	0.8	90.45	-0.4	44.8	44.8	43.3	1.56	28.666		
500.0	500.0	496.0	496.0	1.0	1.0	90.45	-0.4	44.8	44.8	42.8	2.01	22.267		
600.0	600.0	596.0	596.0	1.2	1.2	90.45	-0.4	44.8	44.8	42.4	2.46	18.204 CC, ES		
700.0	700.0	696.0	696.0	1.5	1.5	170.99	-0.4	44.8	46.6	43.7	2.90	16.040		
800.0	799.8	795.8	795.8	1.7	1.7	171.89	-0.4	44.8	51.7	48.4	3.34	15.510 SF		
900.0	899.5	895.5	895.5	1.9	1.9	173.03	-0.4	44.8	60.4	56.6	3.77	16.011		
1,000.0	998.7	994.7	994.7	2.2	2.1	174.18	-0.4	44.8	72.5	68.3	4.21	17.233		
1,100.0	1,097.5	1,093.5	1,093.5	2.5	2.3	175.18	-0.4	44.8	88.1	83.4	4.64	18.972		
1,200.0	1,195.6	1,191.6	1,191.6	2.8	2.6	176.01	-0.4	44.8	107.1	102.0	5.08	21.093		
1,300.0	1,293.1	1,289.1	1,289.1	3.2	2.8	176.68	-0.4	44.8	129.5	124.0	5.51	23.503		
1,400.0	1,389.6	1,385.6	1,385.6	3.7	3.0	177.20	-0.4	44.8	155.4	149.4	5.95	26.132		
1,500.0	1,485.6	1,481.6	1,481.6	4.2	3.2	177.63	-0.4	44.8	183.6	177.2	6.41	28.661		
1,600.0	1,581.5	1,572.6	1,572.6	4.7	3.4	177.82	-0.1	45.7	212.8	205.9	6.87	30.995		
1,700.0	1,677.4	1,661.1	1,661.0	5.3	3.6	177.66	1.1	49.1	244.6	237.3	7.32	33.396		
1,800.0	1,773.3	1,747.8	1,747.5	5.8	3.8	177.29	3.0	55.0	279.0	271.2	7.78	35.847		
1,900.0	1,869.2	1,832.8	1,832.0	6.4	4.0	176.78	5.7	63.2	315.9	307.7	8.24	38.330		
2,000.0	1,965.1	1,915.8	1,914.3	7.0	4.2	176.20	9.1	73.4	355.4	346.7	8.70	40.830		
2,100.0	2,061.0	1,997.9	1,995.4	7.6	4.4	175.58	13.2	85.8	397.2	388.0	9.17	43.302		
2,200.0	2,156.9	2,088.1	2,084.3	8.2	4.6	174.97	18.1	100.3	440.0	430.4	9.65	45.602		
2,300.0	2,252.8	2,178.4	2,173.3	8.8	4.9	174.46	22.9	114.9	482.9	472.7	10.13	47.667		
2,400.0	2,348.7	2,268.7	2,262.3	9.4	5.2	174.04	27.7	129.4	525.8	515.1	10.62	49.521		
2,500.0	2,444.6	2,359.0	2,351.2	10.0	5.5	173.68	32.5	143.9	568.7	557.5	11.11	51.188		
2,600.0	2,540.5	2,449.2	2,440.2	10.6	5.8	173.37	37.4	158.5	611.6	600.0	11.60	52.706		
2,700.0	2,636.4	2,539.5	2,529.2	11.1	6.1	173.10	42.2	173.0	654.5	642.4	12.10	54.084		
2,800.0	2,732.3	2,629.8	2,618.1	11.7	6.4	172.86	47.0	187.5	697.4	684.8	12.60	55.339		
2,900.0	2,828.2	2,720.1	2,707.1	12.3	6.7	172.65	51.8	202.1	740.4	727.3	13.11	56.488		
3,000.0	2,924.2	2,810.4	2,796.1	12.9	7.0	172.47	56.7	216.6	783.3	769.7	13.61	57.541		
3,100.0	3,020.1	2,900.6	2,885.1	13.5	7.3	172.30	61.5	231.2	826.3	812.2	14.12	58.510		
3,200.0	3,116.0	2,990.9	2,974.0	14.1	7.6	172.15	66.3	245.7	869.2	854.6	14.63	59.404		
3,300.0	3,211.9	3,081.2	3,063.0	14.8	8.0	172.02	71.1	260.2	912.2	897.1	15.15	60.230		
3,400.0	3,307.8	3,171.5	3,152.0	15.4	8.3	171.89	75.9	274.8	955.2	939.5	15.66	60.996		
3,500.0	3,403.7	3,261.8	3,240.9	16.0	8.6	171.78	80.8	289.3	998.1	982.0	16.18	61.708		

Offset Design		SRC Gilbert 42-14-11NHZ Pad Sec.14-T5N-R66W - SRC Gilbert 42-14-11NHZ - Wellbore #1 - Plan #2											Offset Site Error:	0.0 ft
Survey Program: 0-MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset	Highside Toolface	Offset Wellbore Centre		Between Centres	Between Ellipses	Minimum Separation	Separation Factor		
Depth (ft)	Depth (ft)	Depth (ft)	Depth (ft)	(ft)	(ft)	(°)	+N/-S (ft)	+E/-W (ft)	(ft)	(ft)	(ft)			
0.0	0.0	0.0	0.0	0.0	0.0	90.30	-0.4	67.4	67.5					
100.0	100.0	96.0	96.0	0.1	0.1	90.30	-0.4	67.4	67.4	67.2	0.22	305.995		
200.0	200.0	196.0	196.0	0.3	0.3	90.30	-0.4	67.4	67.4	66.7	0.67	101.313		
300.0	300.0	296.0	296.0	0.6	0.6	90.30	-0.4	67.4	67.4	66.3	1.11	60.461		
400.0	400.0	396.0	396.0	0.8	0.8	90.30	-0.4	67.4	67.4	65.8	1.56	43.087		
500.0	500.0	496.0	496.0	1.0	1.0	90.30	-0.4	67.4	67.4	65.4	2.01	33.469		
600.0	600.0	596.0	596.0	1.2	1.2	90.30	-0.4	67.4	67.4	64.9	2.46	27.362 CC, ES		
700.0	700.0	696.0	696.0	1.5	1.5	170.73	-0.4	67.4	69.1	66.2	2.90	23.810		
800.0	799.8	795.8	795.8	1.7	1.7	171.37	-0.4	67.4	74.3	71.0	3.34	22.270		
900.0	899.5	895.5	895.5	1.9	1.9	172.25	-0.4	67.4	82.9	79.2	3.77	21.988 SF		
1,000.0	998.7	994.7	994.7	2.2	2.1	173.21	-0.4	67.4	95.0	90.8	4.21	22.585		
1,100.0	1,097.5	1,090.1	1,090.0	2.5	2.3	173.93	-0.1	68.8	112.0	107.4	4.63	24.187		
1,200.0	1,195.6	1,183.3	1,183.2	2.8	2.5	174.25	0.6	73.2	135.5	130.5	5.05	26.824		
1,300.0	1,293.1	1,274.1	1,273.7	3.2	2.7	174.30	1.8	80.3	165.4	159.9	5.47	30.210		
1,400.0	1,389.6	1,362.0	1,361.0	3.7	2.9	174.20	3.5	89.9	201.4	195.5	5.90	34.155		
1,500.0	1,485.6	1,446.8	1,445.0	4.2	3.2	174.06	5.5	101.7	242.3	236.0	6.34	38.245		
1,600.0	1,581.5	1,529.4	1,526.4	4.7	3.4	173.85	7.8	115.5	285.9	279.2	6.79	42.137		
1,700.0	1,677.4	1,609.8	1,605.2	5.3	3.6	173.59	10.5	131.1	332.0	324.8	7.24	45.870		
1,800.0	1,773.3	1,687.8	1,681.2	5.8	3.9	173.30	13.4	148.4	380.5	372.8	7.69	49.457		
1,900.0	1,869.2	1,763.5	1,754.5	6.4	4.2	173.02	16.6	167.1	431.2	423.1	8.15	52.912		
2,000.0	1,965.1	1,836.9	1,825.0	7.0	4.6	172.73	20.0	187.0	484.1	475.5	8.61	56.250		
2,100.0	2,061.0	1,908.0	1,892.8	7.6	4.9	172.45	23.6	208.1	539.1	530.0	9.07	59.453		
2,200.0	2,156.9	1,988.2	1,969.0	8.2	5.4	172.15	27.9	233.0	595.4	585.9	9.55	62.360		
2,300.0	2,252.8	2,070.8	2,047.3	8.8	5.8	171.90	32.2	258.7	651.8	641.8	10.03	64.989		
2,400.0	2,348.7	2,153.3	2,125.7	9.4	6.3	171.69	36.6	284.4	708.2	697.7	10.52	67.351		
2,500.0	2,444.6	2,235.9	2,204.0	10.0	6.8	171.51	41.0	310.1	764.6	753.6	11.01	69.470		
2,600.0	2,540.5	2,318.5	2,282.3	10.6	7.3	171.36	45.4	335.8	821.0	809.5	11.50	71.381		
2,700.0	2,636.4	2,401.0	2,360.7	11.1	7.8	171.22	49.8	361.5	877.4	865.4	12.00	73.112		
2,800.0	2,732.3	2,483.6	2,439.0	11.7	8.3	171.10	54.1	387.2	933.8	921.3	12.50	74.678		
2,900.0	2,828.2	2,566.2	2,517.4	12.3	8.8	170.99	58.5	413.0	990.2	977.2	13.01	76.106		

Company:	Synergy Resources	Local Co-ordinate Reference:	Well SRC Gilbert A-14-11NHZM
Project:	SEC.14-T5N-R66W	TVD Reference:	WELL @ 4851.0ft (RKB-12')
Reference Site:	SRC Gilbert 42-14-11NHZ Pad Sec.14-T5N-R66W	MD Reference:	WELL @ 4851.0ft (RKB-12')
Site Error:	0.0ft	North Reference:	True
Reference Well:	SRC Gilbert A-14-11NHZM	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	Landmark
Reference Design:	Plan #2 (7-31-14)	Offset TVD Reference:	Offset Datum

Offset Design SRC Gilbert 42-14-11NHZ Pad Sec.14-T5N-R66W - SRC Gilbert A-14-11CHZM - Wellbore #1 - Plan #2													Offset Site Error:	0.0 ft
Survey Program: 0-MWD													Offset Well Error:	0.0 ft
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference	Offset	Semi Major Axis	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
0.0	0.0	0.0	0.0	0.0	0.0	89.99	89.99	0.0	22.3	22.6				
100.0	100.0	96.0	96.0	0.1	0.1	89.99	89.99	0.0	22.3	22.3	22.1	0.22	101.154	
200.0	200.0	196.0	196.0	0.3	0.3	89.99	89.99	0.0	22.3	22.3	21.6	0.67	33.491	
300.0	300.0	296.0	296.0	0.6	0.6	89.99	89.99	0.0	22.3	22.3	21.2	1.11	19.987	
400.0	400.0	396.0	396.0	0.8	0.8	89.99	89.99	0.0	22.3	22.3	20.7	1.56	14.243	
500.0	500.0	496.0	496.0	1.0	1.0	89.99	89.99	0.0	22.3	22.3	20.3	2.01	11.064	
600.0	600.0	596.0	596.0	1.2	1.2	89.99	89.99	0.0	22.3	22.3	19.8	2.46	9.045 CC, ES	
700.0	700.0	696.0	696.0	1.5	1.5	170.89	170.89	0.0	22.3	24.0	21.1	2.90	8.268	
800.0	799.8	795.8	795.8	1.7	1.7	172.50	172.50	0.0	22.3	29.2	25.8	3.34	8.747	
900.0	899.5	896.7	896.7	1.9	1.9	173.84	173.84	0.4	20.7	36.2	32.5	3.76	9.641	
1,000.0	998.7	997.8	997.7	2.2	2.1	174.49	174.49	1.5	15.6	43.3	39.1	4.17	10.377	
1,100.0	1,097.5	1,099.2	1,098.7	2.5	2.3	174.74	174.74	3.5	7.1	50.4	45.8	4.60	10.961	
1,200.0	1,195.6	1,200.9	1,199.5	2.8	2.6	174.74	174.74	6.2	-5.0	57.4	52.4	5.02	11.422	
1,300.0	1,293.1	1,302.8	1,300.2	3.2	2.9	174.56	174.56	9.7	-20.6	64.4	58.9	5.46	11.780	
1,400.0	1,389.6	1,404.9	1,400.4	3.7	3.2	174.27	174.27	14.1	-39.8	71.3	65.4	5.92	12.050	
1,500.0	1,485.6	1,504.9	1,498.1	4.2	3.6	173.99	173.99	18.8	-60.5	78.6	72.2	6.41	12.256	
1,600.0	1,581.5	1,604.6	1,595.6	4.7	4.0	173.76	173.76	23.5	-81.2	85.9	79.0	6.93	12.403	
1,700.0	1,677.4	1,704.3	1,693.0	5.3	4.4	173.57	173.57	28.2	-102.0	93.3	85.8	7.45	12.513	
1,800.0	1,773.3	1,804.1	1,790.4	5.8	4.8	173.41	173.41	32.9	-122.7	100.6	92.6	7.99	12.596	
1,900.0	1,869.2	1,903.8	1,887.9	6.4	5.2	173.27	173.27	37.6	-143.4	108.0	99.4	8.53	12.659	
2,000.0	1,965.1	2,003.5	1,985.3	7.0	5.7	173.14	173.14	42.3	-164.1	115.3	106.2	9.07	12.706	
2,100.0	2,061.0	2,103.3	2,082.8	7.6	6.1	173.04	173.04	47.0	-184.8	122.7	113.0	9.63	12.742	
2,200.0	2,156.9	2,203.0	2,180.2	8.2	6.6	172.94	172.94	51.7	-205.6	130.0	119.8	10.18	12.769	
2,300.0	2,252.8	2,302.7	2,277.6	8.8	7.0	172.86	172.86	56.4	-226.3	137.4	126.6	10.74	12.789	
2,400.0	2,348.7	2,402.5	2,375.1	9.4	7.5	172.78	172.78	61.1	-247.0	144.7	133.4	11.30	12.804	
2,500.0	2,444.6	2,502.2	2,472.5	10.0	7.9	172.71	172.71	65.8	-267.7	152.0	140.2	11.86	12.815	
2,600.0	2,540.5	2,601.9	2,570.0	10.6	8.4	172.65	172.65	70.5	-288.4	159.4	147.0	12.43	12.823	
2,700.0	2,636.4	2,701.6	2,667.4	11.1	8.8	172.59	172.59	75.2	-309.2	166.7	153.7	13.00	12.829	
2,800.0	2,732.3	2,801.4	2,764.8	11.7	9.3	172.54	172.54	79.9	-329.9	174.1	160.5	13.57	12.832	
2,900.0	2,828.2	2,901.1	2,862.3	12.3	9.7	172.49	172.49	84.6	-350.6	181.4	167.3	14.14	12.834	
3,000.0	2,924.2	3,000.8	2,959.7	12.9	10.2	172.44	172.44	89.3	-371.3	188.8	174.1	14.71	12.835	
3,100.0	3,020.1	3,100.6	3,057.2	13.5	10.7	172.40	172.40	94.0	-392.0	196.1	180.9	15.28	12.834	
3,200.0	3,116.0	3,200.3	3,154.6	14.1	11.1	172.36	172.36	98.7	-412.8	203.5	187.6	15.86	12.833	
3,300.0	3,211.9	3,300.0	3,252.0	14.8	11.6	172.33	172.33	103.4	-433.5	210.8	194.4	16.43	12.831	
3,400.0	3,307.8	3,399.7	3,349.5	15.4	12.0	172.29	172.29	108.1	-454.2	218.2	201.2	17.01	12.829	
3,500.0	3,403.7	3,499.5	3,446.9	16.0	12.5	172.26	172.26	112.8	-474.9	225.5	208.0	17.59	12.826	
3,600.0	3,499.6	3,599.2	3,544.3	16.6	13.0	172.23	172.23	117.5	-495.6	232.9	214.7	18.16	12.823	
3,700.0	3,595.5	3,698.9	3,641.8	17.2	13.4	172.21	172.21	122.2	-516.4	240.2	221.5	18.74	12.820	
3,800.0	3,691.4	3,798.7	3,739.2	17.8	13.9	172.18	172.18	126.9	-537.1	247.6	228.3	19.32	12.816	
3,900.0	3,787.3	3,898.4	3,836.7	18.4	14.4	172.16	172.16	131.6	-557.8	255.0	235.1	19.90	12.813	
4,000.0	3,883.2	3,998.1	3,934.1	19.0	14.8	172.13	172.13	136.3	-578.5	262.3	241.8	20.48	12.809	
4,100.0	3,979.1	4,097.9	4,031.5	19.6	15.3	172.11	172.11	141.0	-599.2	269.7	248.6	21.06	12.806	
4,200.0	4,075.0	4,197.6	4,129.0	20.2	15.8	172.09	172.09	145.7	-620.0	277.0	255.4	21.64	12.802	
4,300.0	4,170.9	4,297.3	4,226.4	20.8	16.2	172.07	172.07	150.4	-640.7	284.4	262.1	22.22	12.798	
4,400.0	4,266.8	4,397.0	4,323.9	21.4	16.7	172.05	172.05	155.1	-661.4	291.7	268.9	22.80	12.794	
4,500.0	4,362.7	4,496.8	4,421.3	22.0	17.2	172.04	172.04	159.8	-682.1	299.1	275.7	23.38	12.791	
4,600.0	4,458.6	4,596.5	4,518.7	22.6	17.6	172.02	172.02	164.5	-702.8	306.4	282.4	23.96	12.787	
4,700.0	4,554.5	4,696.2	4,616.2	23.2	18.1	172.00	172.00	169.2	-723.6	313.8	289.2	24.54	12.783	
4,800.0	4,650.5	4,796.0	4,713.6	23.8	18.6	171.99	171.99	173.9	-744.3	321.1	296.0	25.13	12.780	
4,900.0	4,746.4	4,895.7	4,811.1	24.4	19.0	171.98	171.98	178.6	-765.0	328.5	302.8	25.71	12.776	
5,000.0	4,842.3	4,995.4	4,908.5	25.0	19.5	171.96	171.96	183.3	-785.7	335.8	309.5	26.29	12.773	

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

SRC Gilbert 42-14-11NHZ Pad Sec.14-T5N-R66W - SRC Gilbert A-14-11CHZM - Wellbore #1 - Plan #2												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	4,938.2	5,095.1	5,005.9	25.6	20.0	171.95	188.0	-806.4	343.2	316.3	26.87	12.769	
5,200.0	5,034.1	5,194.9	5,103.4	26.2	20.4	171.94	192.7	-827.2	350.5	323.1	27.46	12.766	
5,300.0	5,130.0	5,294.6	5,200.8	26.9	20.9	171.92	197.4	-847.9	357.9	329.8	28.04	12.762	
5,400.0	5,225.9	5,394.3	5,298.3	27.5	21.4	171.91	202.1	-868.6	365.2	336.6	28.62	12.759	
5,500.0	5,321.8	5,494.1	5,395.7	28.1	21.8	171.90	206.8	-889.3	372.6	343.4	29.21	12.756	
5,600.0	5,417.7	5,593.8	5,493.1	28.7	22.3	171.89	211.5	-910.0	379.9	350.1	29.79	12.753	
5,700.0	5,513.6	5,693.5	5,590.6	29.3	22.8	171.88	216.2	-930.8	387.3	356.9	30.38	12.749	
5,800.0	5,609.5	5,793.3	5,688.0	29.9	23.2	171.87	220.9	-951.5	394.5	363.6	30.97	12.741	
5,900.0	5,706.1	5,893.1	5,785.6	30.3	23.7	171.83	225.6	-972.2	399.4	367.9	31.55	12.660	
6,000.0	5,803.5	5,993.1	5,883.3	30.7	24.2	171.70	230.3	-993.0	400.8	368.7	32.10	12.488	
6,100.0	5,901.7	6,093.1	5,981.0	31.0	24.6	171.49	235.0	-1,013.8	398.8	366.2	32.61	12.229	
6,200.0	6,000.4	6,182.1	6,068.2	31.3	25.0	171.26	239.0	-1,031.2	394.6	361.6	33.03	11.945	
6,300.0	6,099.7	6,270.2	6,155.0	31.5	25.3	171.04	242.3	-1,045.9	389.9	356.5	33.38	11.682	
6,400.0	6,199.3	6,358.4	6,242.3	31.7	25.5	170.82	245.0	-1,057.9	384.8	351.2	33.66	11.433	
6,500.0	6,299.2	6,446.7	6,330.1	31.9	25.7	170.60	247.2	-1,067.3	379.3	345.4	33.88	11.194	
6,600.0	6,399.1	6,535.2	6,418.3	32.0	25.9	170.39	248.7	-1,074.1	373.3	339.3	34.06	10.963	
6,700.0	6,499.1	6,623.8	6,506.8	32.1	26.0	90.05	249.7	-1,078.3	368.7	334.3	34.39	10.721	
6,800.0	6,599.1	6,712.7	6,595.7	32.2	26.1	90.13	250.0	-1,079.8	367.0	332.3	34.68	10.583	
6,817.7	6,616.7	6,729.8	6,612.7	32.2	26.1	90.29	250.0	-1,079.8	367.0	332.3	34.72	10.572	
6,900.0	6,698.4	6,811.4	6,694.4	32.3	26.2	91.93	250.0	-1,079.8	367.2	332.4	34.78	10.559	
7,000.0	6,795.0	6,911.2	6,794.1	32.4	26.3	95.35	252.7	-1,079.8	368.7	333.8	34.91	10.562	
7,100.0	6,887.1	7,015.2	6,896.7	32.6	26.5	98.88	269.2	-1,079.8	371.7	336.4	35.33	10.521	
7,200.0	6,973.0	7,123.2	6,999.5	32.9	26.8	102.25	301.9	-1,079.8	376.0	340.0	35.93	10.464	
7,300.0	7,050.9	7,235.4	7,099.9	33.2	27.1	105.37	351.8	-1,079.8	381.2	344.6	36.63	10.405	
7,400.0	7,119.4	7,351.9	7,194.5	33.6	27.4	108.17	419.5	-1,079.8	386.9	349.4	37.48	10.323	
7,500.0	7,177.1	7,472.6	7,279.6	34.0	28.0	110.56	504.9	-1,079.8	392.5	353.9	38.64	10.160	
7,600.0	7,222.8	7,597.1	7,351.2	34.5	28.6	112.49	606.6	-1,079.8	397.6	357.3	40.34	9.856	
7,700.0	7,255.8	7,724.8	7,405.2	35.1	29.5	113.90	722.2	-1,079.8	401.6	358.8	42.82	9.378	
7,800.0	7,275.3	7,854.9	7,438.1	35.9	30.6	114.74	847.8	-1,079.8	404.1	357.9	46.17	8.752	
7,900.0	7,281.0	7,983.2	7,448.0	36.7	31.8	114.98	975.5	-1,079.8	404.9	354.7	50.13	8.077	
8,000.0	7,281.0	8,083.2	7,448.0	37.6	32.8	114.98	1,075.5	-1,079.8	404.9	352.2	52.72	7.680	
8,100.0	7,281.0	8,183.2	7,448.0	38.5	34.0	114.98	1,175.5	-1,079.8	404.9	349.5	55.41	7.307	
8,200.0	7,281.0	8,283.2	7,448.0	39.6	35.2	114.98	1,275.5	-1,079.8	404.9	346.7	58.20	6.957	
8,300.0	7,281.0	8,383.2	7,448.0	40.7	36.5	114.98	1,375.5	-1,079.8	404.9	343.8	61.06	6.631	
8,400.0	7,281.0	8,483.2	7,448.0	41.9	37.8	114.98	1,475.5	-1,079.8	404.9	340.9	63.98	6.328	
8,500.0	7,281.0	8,583.2	7,448.0	43.1	39.2	114.98	1,575.5	-1,079.8	404.9	337.9	66.97	6.045	
8,600.0	7,281.0	8,683.2	7,448.0	44.4	40.7	114.98	1,675.5	-1,079.8	404.9	334.9	70.01	5.783	
8,700.0	7,281.0	8,783.2	7,448.0	45.7	42.1	114.98	1,775.5	-1,079.8	404.9	331.8	73.09	5.539	
8,800.0	7,281.0	8,883.2	7,448.0	47.1	43.7	114.98	1,875.5	-1,079.8	404.9	328.7	76.22	5.312	
8,900.0	7,281.0	8,983.2	7,448.0	48.6	45.2	114.98	1,975.5	-1,079.8	404.9	325.5	79.37	5.101	
9,000.0	7,281.0	9,083.2	7,448.0	50.0	46.8	114.98	2,075.5	-1,079.8	404.9	322.3	82.56	4.904	
9,100.0	7,281.0	9,183.2	7,448.0	51.5	48.4	114.98	2,175.5	-1,079.8	404.9	319.1	85.78	4.720	
9,200.0	7,281.0	9,283.2	7,448.0	53.0	50.0	114.98	2,275.5	-1,079.8	404.9	315.9	89.02	4.548	
9,300.0	7,281.0	9,383.2	7,448.0	54.6	51.7	114.98	2,375.5	-1,079.8	404.9	312.6	92.28	4.387	
9,400.0	7,281.0	9,483.2	7,448.0	56.2	53.4	114.98	2,475.5	-1,079.8	404.9	309.3	95.56	4.237	
9,500.0	7,281.0	9,583.2	7,448.0	57.8	55.0	114.98	2,575.5	-1,079.8	404.9	306.0	98.86	4.095	
9,600.0	7,281.0	9,683.2	7,448.0	59.4	56.7	114.98	2,675.5	-1,079.8	404.9	302.7	102.17	3.963	
9,700.0	7,281.0	9,783.2	7,448.0	61.0	58.5	114.98	2,775.5	-1,079.8	404.9	299.4	105.50	3.838	
9,800.0	7,281.0	9,883.2	7,448.0	62.7	60.2	114.98	2,875.5	-1,079.8	404.9	296.0	108.85	3.720	
9,900.0	7,281.0	9,983.2	7,448.0	64.3	61.9	114.98	2,975.5	-1,079.8	404.9	292.7	112.20	3.608	
10,000.0	7,281.0	10,083.2	7,448.0	66.0	63.7	114.98	3,075.5	-1,079.8	404.9	289.3	115.57	3.503	

Company:	Synergy Resources	Local Co-ordinate Reference:	Well SRC Gilbert A-14-11NHZM
Project:	SEC.14-T5N-R66W	TVD Reference:	WELL @ 4851.0ft (RKB-12')
Reference Site:	SRC Gilbert 42-14-11NHZ Pad Sec.14-T5N-R66W	MD Reference:	WELL @ 4851.0ft (RKB-12')
Site Error:	0.0ft	North Reference:	True
Reference Well:	SRC Gilbert A-14-11NHZM	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	Landmark
Reference Design:	Plan #2 (7-31-14)	Offset TVD Reference:	Offset Datum

Offset Design		SRC Gilbert 42-14-11NHZ Pad Sec.14-T5N-R66W - SRC Gilbert A-14-11CHZM - Wellbore #1 - Plan #2									Offset Site Error:		0.0 ft
Survey Program: 0-MWD											Offset Well Error:		0.0 ft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset	Highside Toolface	Offset Wellbore Centre	Between Centres	Between Ellipses	Minimum Separation	Separation Factor		
(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(°)	+N/-S (ft)	+E/-W (ft)	(ft)	(ft)	(ft)		
10,100.0	7,281.0	10,183.2	7,448.0	67.7	65.4	114.98	3,175.5	-1,079.8	404.9	285.9	118.94	3.404	
10,200.0	7,281.0	10,283.2	7,448.0	69.4	67.2	114.98	3,275.5	-1,079.8	404.9	282.5	122.33	3.310	
10,300.0	7,281.0	10,383.2	7,448.0	71.1	69.0	114.98	3,375.5	-1,079.8	404.9	279.2	125.72	3.220	
10,400.0	7,281.0	10,483.2	7,448.0	72.9	70.8	114.98	3,475.5	-1,079.8	404.9	275.8	129.12	3.136	
10,500.0	7,281.0	10,583.2	7,448.0	74.6	72.6	114.98	3,575.5	-1,079.8	404.9	272.3	132.53	3.055	
10,600.0	7,281.0	10,683.2	7,448.0	76.4	74.4	114.98	3,675.5	-1,079.8	404.9	268.9	135.94	2.978	
10,700.0	7,281.0	10,783.2	7,448.0	78.1	76.2	114.98	3,775.5	-1,079.8	404.9	265.5	139.36	2.905	
10,800.0	7,281.0	10,883.2	7,448.0	79.9	78.0	114.98	3,875.5	-1,079.8	404.9	262.1	142.79	2.836	
10,900.0	7,281.0	10,983.2	7,448.0	81.7	79.8	114.98	3,975.5	-1,079.8	404.9	258.7	146.22	2.769	
11,000.0	7,281.0	11,083.2	7,448.0	83.4	81.6	114.98	4,075.5	-1,079.8	404.9	255.2	149.65	2.705	
11,100.0	7,281.0	11,183.2	7,448.0	85.2	83.4	114.98	4,175.5	-1,079.8	404.9	251.8	153.09	2.645	
11,200.0	7,281.0	11,283.2	7,448.0	87.0	85.3	114.98	4,275.5	-1,079.8	404.9	248.3	156.54	2.586	
11,300.0	7,281.0	11,383.2	7,448.0	88.8	87.1	114.98	4,375.5	-1,079.8	404.9	244.9	159.99	2.531	
11,400.0	7,281.0	11,483.2	7,448.0	90.6	88.9	114.98	4,475.5	-1,079.8	404.9	241.4	163.44	2.477	
11,500.0	7,281.0	11,583.2	7,448.0	92.4	90.8	114.98	4,575.5	-1,079.8	404.9	238.0	166.90	2.426	
11,600.0	7,281.0	11,683.2	7,448.0	94.2	92.6	114.98	4,675.5	-1,079.8	404.9	234.5	170.36	2.377	
11,700.0	7,281.0	11,783.2	7,448.0	96.1	94.5	114.98	4,775.5	-1,079.8	404.9	231.1	173.82	2.329	
11,800.0	7,281.0	11,883.2	7,448.0	97.9	96.3	114.98	4,875.5	-1,079.8	404.9	227.6	177.29	2.284	
11,900.0	7,281.0	11,983.2	7,448.0	99.7	98.2	114.98	4,975.5	-1,079.8	404.9	224.1	180.75	2.240	
12,000.0	7,281.0	12,083.2	7,448.0	101.5	100.0	114.98	5,075.5	-1,079.8	404.9	220.6	184.22	2.198	
12,100.0	7,281.0	12,183.2	7,448.0	103.4	101.9	114.98	5,175.5	-1,079.8	404.9	217.2	187.70	2.157	
12,200.0	7,281.0	12,283.2	7,448.0	105.2	103.8	114.98	5,275.5	-1,079.8	404.9	213.7	191.17	2.118	
12,300.0	7,281.0	12,383.2	7,448.0	107.0	105.6	114.98	5,375.5	-1,079.8	404.9	210.2	194.65	2.080	
12,400.0	7,281.0	12,483.2	7,448.0	108.9	107.5	114.98	5,475.5	-1,079.8	404.9	206.7	198.13	2.043	
12,500.0	7,281.0	12,583.2	7,448.0	110.7	109.4	114.98	5,575.5	-1,079.8	404.9	203.3	201.61	2.008	
12,600.0	7,281.0	12,683.2	7,448.0	112.6	111.2	114.98	5,675.5	-1,079.8	404.9	199.8	205.10	1.974	
12,700.0	7,281.0	12,783.2	7,448.0	114.4	113.1	114.98	5,775.5	-1,079.8	404.9	196.3	208.58	1.941	
12,800.0	7,281.0	12,883.2	7,448.0	116.3	115.0	114.98	5,875.5	-1,079.8	404.9	192.8	212.07	1.909	
12,900.0	7,281.0	12,983.2	7,448.0	118.1	116.8	114.98	5,975.5	-1,079.8	404.9	189.3	215.56	1.878	
13,000.0	7,281.0	13,083.2	7,448.0	120.0	118.7	114.98	6,075.5	-1,079.8	404.9	185.8	219.05	1.848	
13,100.0	7,281.0	13,183.2	7,448.0	121.8	120.6	114.98	6,175.5	-1,079.8	404.9	182.3	222.54	1.819	
13,200.0	7,281.0	13,283.2	7,448.0	123.7	122.5	114.98	6,275.5	-1,079.8	404.9	178.8	226.04	1.791	
13,300.0	7,281.0	13,383.2	7,448.0	125.5	124.4	114.98	6,375.5	-1,079.8	404.9	175.3	229.53	1.764	
13,400.0	7,281.0	13,483.2	7,448.0	127.4	126.2	114.98	6,475.5	-1,079.8	404.9	171.8	233.03	1.737	
13,500.0	7,281.0	13,583.2	7,448.0	129.3	128.1	114.98	6,575.5	-1,079.8	404.9	168.3	236.52	1.712	
13,600.0	7,281.0	13,683.2	7,448.0	131.1	130.0	114.98	6,675.5	-1,079.8	404.9	164.9	240.02	1.687	
13,700.0	7,281.0	13,783.2	7,448.0	133.0	131.9	114.98	6,775.5	-1,079.8	404.9	161.4	243.52	1.663	
13,800.0	7,281.0	13,883.2	7,448.0	134.9	133.8	114.98	6,875.5	-1,079.8	404.9	157.9	247.02	1.639	
13,900.0	7,281.0	13,983.2	7,448.0	136.7	135.7	114.98	6,975.5	-1,079.8	404.9	154.3	250.52	1.616	
14,000.0	7,281.0	14,083.2	7,448.0	138.6	137.5	114.98	7,075.5	-1,079.8	404.9	150.8	254.03	1.594	
14,100.0	7,281.0	14,183.2	7,448.0	140.5	139.4	114.98	7,175.5	-1,079.8	404.9	147.3	257.53	1.572	
14,200.0	7,281.0	14,283.2	7,448.0	142.4	141.3	114.98	7,275.5	-1,079.8	404.9	143.8	261.03	1.551	
14,300.0	7,281.0	14,383.2	7,448.0	144.2	143.2	114.98	7,375.5	-1,079.8	404.9	140.3	264.54	1.530	
14,400.0	7,281.0	14,483.2	7,448.0	146.1	145.1	114.98	7,475.5	-1,079.8	404.9	136.8	268.05	1.510	
14,500.0	7,281.0	14,583.2	7,448.0	148.0	147.0	114.98	7,575.5	-1,079.8	404.9	133.3	271.55	1.491 Level 3	
14,600.0	7,281.0	14,683.2	7,448.0	149.9	148.9	114.98	7,675.5	-1,079.8	404.9	129.8	275.06	1.472 Level 3	
14,700.0	7,281.0	14,783.2	7,448.0	151.8	150.8	114.98	7,775.5	-1,079.8	404.9	126.3	278.57	1.453 Level 3	
14,768.5	7,281.0	14,851.7	7,448.0	153.1	152.1	114.98	7,844.1	-1,079.8	404.9	123.9	280.97	1.441 Level 3, SF	




Reference Depths are relative to WELL @ 4851.0ft (RKB-12')	Coordinates are relative to: SRC Gilbert A-14-11NHZM
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: 0.49°



Reference Depths are relative to WELL @ 4851.0ft (RKB-12')
Offset Depths are relative to Offset Datum
Central Meridian is -105.500000 °

Coordinates are relative to: SRC Gilbert A-14-11NHZM
Coordinate System is US State Plane 1983, Colorado Northern Zone
Grid Convergence at Surface is: 0.49°



4-11NHZ, Wellbore #1, Plan #1 (7-30-13)		SRC Gilbert 42-14-11CHZ, Wellbore #1, Plan #2 (7-24-14)		SRC Gilbert 12-14-11CHZ, Wellbore #1, Plan #1 (7-30-13)	
4-11NHZ, Wellbore #1, Plan #1 (7-30-13)		SRC Gilbert 42-14-11NHZ, Wellbore #1, Plan #2 (7-24-14)		SRC Gilbert A-14-11CHZM, Wellbore #1, Plan #1 (7-30-13)	