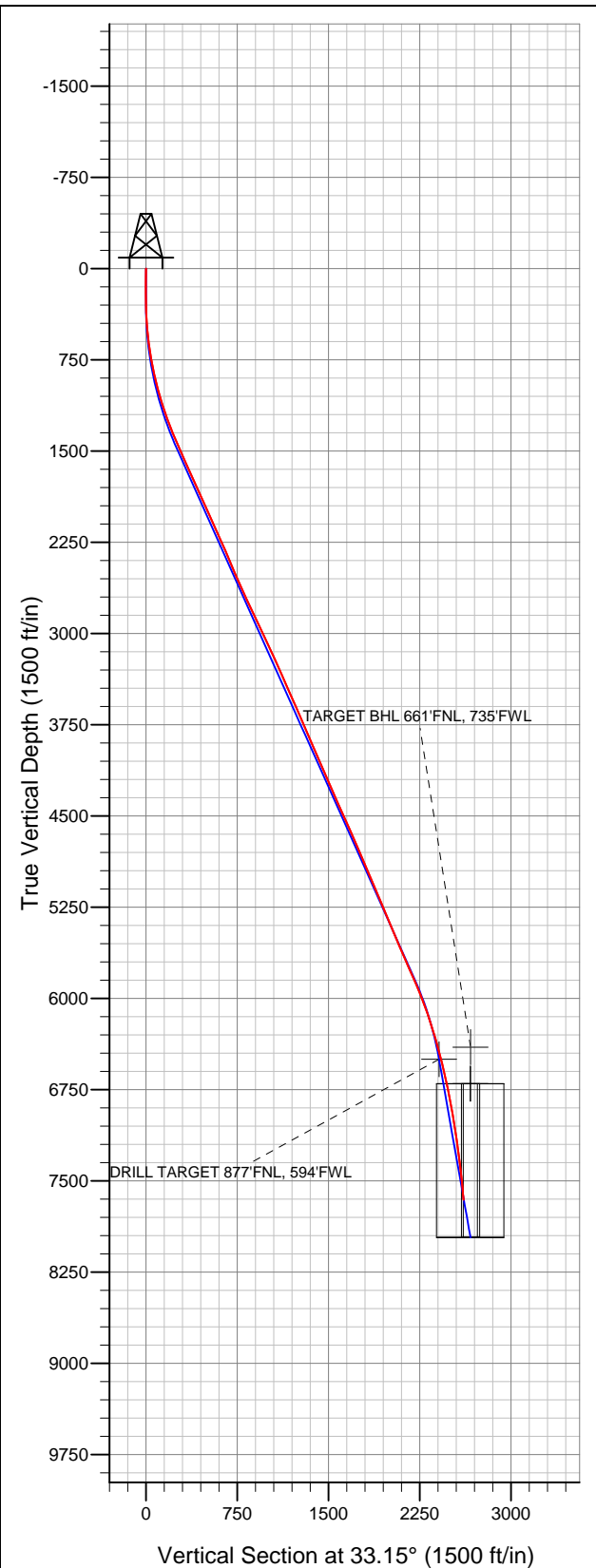


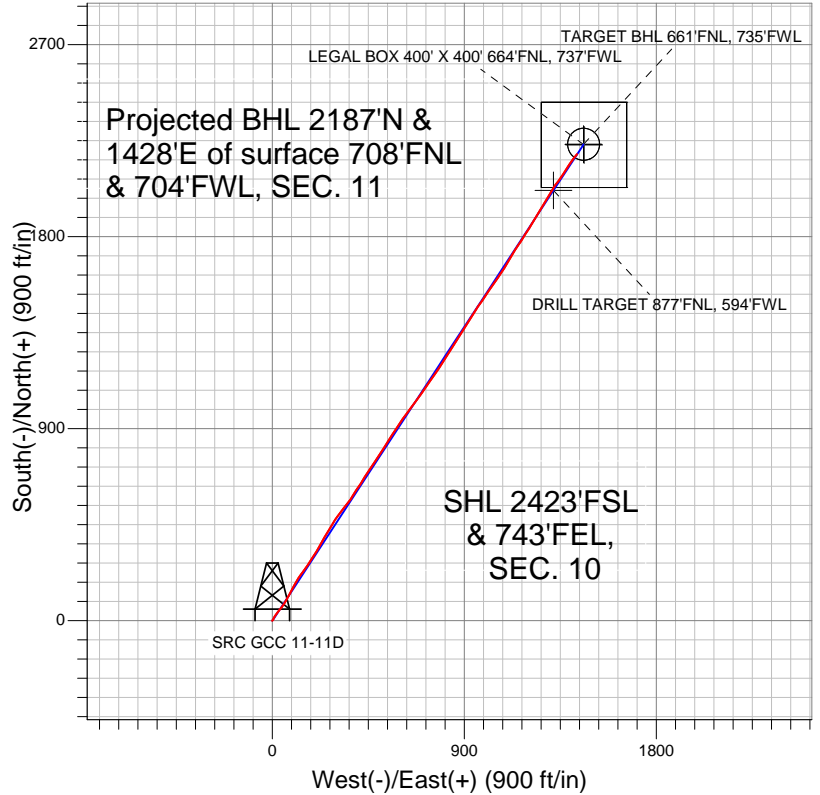
# Well Name: SRC GCC 11-11D

Surface Location: SRC Aims/GCC Pad Sec.10-T5N-R66W  
 North American Datum 1983 US State Plane 1983Colorado Northern Zone  
 Ground Elevation: 4858.0

+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
0.0	0.0	1394355.15	3206343.88	40.413540	-104.758959	
Original Well Elev			WELL @ 4871.0ft (Original Well Elev)			



## Synergy Resources



- LEGEND
- Wellbore #1
  - SRC GCC 11-11D, Wellbore #1, Plan #2 (4-16-12) R V0
  - Survey #1

## Final Survey Plot

Projected Final Survey -  
 8156'MD & 7654'TVD @ 2611'VS  
 5.20 deg Inc 38.50 deg AZ

Project: SEC.10-T5N-R66W  
 Site: SRC Aims/GCC Pad Sec.10-T5N-R66W  
 Well: SRC GCC 11-11D  
 Plan: Wellbore #1



## **Synergy Resources**

**SEC.10-T5N-R66W**

**SRC Aims/GCC Pad Sec.10-T5N-R66W**

**SRC GCC 11-11D**

**Wellbore #1**

**Survey: Survey #1**

## **Standard Survey Report**

**25 April, 2012**

<b>Company:</b>	Synergy Resources	<b>Local Co-ordinate Reference:</b>	Well SRC GCC 11-11D
<b>Project:</b>	SEC.10-T5N-R66W	<b>TVD Reference:</b>	WELL @ 4871.0ft (Original Well Elev)
<b>Site:</b>	SRC Aims/GCC Pad Sec.10-T5N-R66W	<b>MD Reference:</b>	WELL @ 4871.0ft (Original Well Elev)
<b>Well:</b>	SRC GCC 11-11D	<b>North Reference:</b>	True
<b>Wellbore:</b>	Wellbore #1	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Design:</b>	Wellbore #1	<b>Database:</b>	Landmark

<b>Project</b>	SEC.10-T5N-R66W, Weld County, Colorado		
<b>Map System:</b>	US State Plane 1983	<b>System Datum:</b>	Mean Sea Level
<b>Geo Datum:</b>	North American Datum 1983		Using Well Reference Point
<b>Map Zone:</b>	Colorado Northern Zone		Using geodetic scale factor

Site	SRC Aims/GCC Pad Sec.10-T5N-R66W				
Site Position:		Northing:	1,394,413.34 ft	Latitude:	40.413700
From:	Lat/Long	Easting:	3,206,329.28 ft	Longitude:	-104.759010
Position Uncertainty:	0.0 ft	Slot Radius:	"	Grid Convergence:	0.48 °

Well	SRC GCC 11-11D					
Well Position	+N/-S	0.0 ft	Northing:	1,394,355.15 ft	Latitude:	40.413540
	+E/-W	0.0 ft	Easting:	3,206,343.88 ft	Longitude:	-104.758959
Position Uncertainty		0.0 ft	Wellhead Elevation:	ft	Ground Level:	4,858.0 ft

Wellbore	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	4/16/2012	8.75	67.03	53,051

Design	Wellbore #1				
Audit Notes:					
Version:	1.0	Phase:	ACTUAL	Tie On Depth:	0.0
Vertical Section:	Depth From (TVD) (ft)	+N/-S (ft)	+E/-W (ft)	Direction (°)	
	6,400.0	0.0	0.0	33.15	

Survey Program		Date	4/25/2012		
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description	
111.0	8,156.0	Survey #1 (Wellbore #1)	MWD	MWD - Standard	

Survey	Wellbore Data									
	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)
Main Wellbore	0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
	111.0	0.40	268.20	111.0	0.0	-0.4	-0.2	0.36	0.36	0.00
	202.0	0.30	296.50	202.0	0.1	-0.9	-0.4	0.22	-0.11	31.10
	295.0	1.20	37.80	295.0	1.0	-0.5	0.5	1.39	0.97	108.92
	386.0	2.40	47.30	385.9	3.0	1.4	3.3	1.35	1.32	10.44
	479.0	4.50	26.30	478.8	7.6	4.5	8.8	2.60	2.26	-22.58
	570.0	6.90	27.70	569.3	15.6	8.6	17.8	2.64	2.64	1.54
	660.0	9.00	31.10	658.4	26.5	14.8	30.2	2.39	2.33	3.78
	757.0	10.50	41.80	754.1	39.5	24.6	46.5	2.42	1.55	11.03
	848.0	11.50	38.80	843.4	52.8	35.8	63.8	1.27	1.10	-3.30
	941.0	13.50	35.30	934.2	68.9	47.9	83.8	2.30	2.15	-3.76
	1,035.0	15.60	29.90	1,025.2	88.8	60.5	107.4	2.66	2.23	-5.74
1,129.0	18.00	29.20	1,115.1	112.4	73.9	134.5	2.56	2.55	-0.74	

<b>Company:</b>	Synergy Resources	<b>Local Co-ordinate Reference:</b>	Well SRC GCC 11-11D
<b>Project:</b>	SEC.10-T5N-R66W	<b>TVD Reference:</b>	WELL @ 4871.0ft (Original Well Elev)
<b>Site:</b>	SRC Aims/GCC Pad Sec.10-T5N-R66W	<b>MD Reference:</b>	WELL @ 4871.0ft (Original Well Elev)
<b>Well:</b>	SRC GCC 11-11D	<b>North Reference:</b>	True
<b>Wellbore:</b>	Wellbore #1	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Design:</b>	Wellbore #1	<b>Database:</b>	Landmark

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)	
1,222.0	19.50	28.60	1,203.2	138.6	88.3	164.4	1.63	1.61	-0.65	
1,316.0	20.70	27.00	1,291.5	167.2	103.4	196.5	1.40	1.28	-1.70	
1,410.0	22.60	32.80	1,378.8	197.2	120.7	231.1	3.04	2.02	6.17	
1,503.0	24.60	35.50	1,464.1	228.0	141.7	268.3	2.44	2.15	2.90	
1,597.0	24.40	36.00	1,549.6	259.6	164.4	307.3	0.31	-0.21	0.53	
1,691.0	23.90	32.50	1,635.4	291.4	186.1	345.7	1.61	-0.53	-3.72	
1,785.0	24.20	31.10	1,721.2	323.9	206.3	384.0	0.69	0.32	-1.49	
1,878.0	24.70	30.00	1,805.9	357.1	225.8	422.4	0.73	0.54	-1.18	
1,972.0	24.00	29.00	1,891.5	390.8	244.9	461.1	0.86	-0.74	-1.06	
2,066.0	24.10	30.40	1,977.4	424.1	263.9	499.4	0.62	0.11	1.49	
2,159.0	24.40	32.00	2,062.2	456.7	283.7	537.5	0.78	0.32	1.72	
2,253.0	24.20	35.50	2,147.8	488.9	305.1	576.2	1.55	-0.21	3.72	
2,347.0	24.40	39.00	2,233.5	519.7	328.6	614.8	1.55	0.21	3.72	
2,441.0	23.80	38.30	2,319.3	549.6	352.5	653.0	0.71	-0.64	-0.74	
2,534.0	22.90	31.40	2,404.7	579.8	373.6	689.7	3.09	-0.97	-7.42	
2,628.0	23.20	33.50	2,491.2	610.9	393.3	726.5	0.93	0.32	2.23	
2,721.0	23.70	32.50	2,576.5	641.9	413.5	763.5	0.69	0.54	-1.08	
2,815.0	24.00	32.50	2,662.5	674.0	433.9	801.6	0.32	0.32	0.00	
2,909.0	25.10	32.70	2,748.0	706.9	455.0	840.6	1.17	1.17	0.21	
3,003.0	26.00	34.10	2,832.8	740.7	477.3	881.1	1.15	0.96	1.49	
3,096.0	26.00	32.70	2,916.4	774.7	499.7	921.9	0.66	0.00	-1.51	
3,190.0	24.30	32.50	3,001.5	808.4	521.2	961.9	1.81	-1.81	-0.21	
3,284.0	25.20	32.70	3,086.8	841.5	542.5	1,001.2	0.96	0.96	0.21	
3,377.0	25.30	33.40	3,171.0	874.8	564.1	1,040.9	0.34	0.11	0.75	
3,471.0	23.70	32.30	3,256.5	907.5	585.2	1,079.9	1.77	-1.70	-1.17	
3,565.0	24.00	35.50	3,342.5	939.1	606.4	1,117.8	1.41	0.32	3.40	
3,659.0	24.10	36.20	3,428.3	970.1	628.9	1,156.1	0.32	0.11	0.74	
3,752.0	23.80	36.70	3,513.3	1,000.5	651.3	1,193.8	0.39	-0.32	0.54	
3,846.0	23.80	36.90	3,599.3	1,030.9	674.0	1,231.7	0.09	0.00	0.21	
3,940.0	23.10	36.00	3,685.5	1,060.9	696.2	1,269.0	0.84	-0.74	-0.96	
4,034.0	23.00	33.50	3,772.0	1,091.2	717.2	1,305.8	1.05	-0.11	-2.66	
4,127.0	23.40	35.10	3,857.5	1,121.4	737.9	1,342.4	0.80	0.43	1.72	
4,221.0	23.80	33.90	3,943.7	1,152.5	759.2	1,380.0	0.67	0.43	-1.28	
4,315.0	24.00	34.20	4,029.6	1,184.0	780.5	1,418.1	0.25	0.21	0.32	
4,409.0	23.90	32.00	4,115.5	1,216.0	801.3	1,456.3	0.96	-0.11	-2.34	
4,502.0	22.70	33.90	4,200.9	1,246.8	821.3	1,493.0	1.52	-1.29	2.04	
4,596.0	23.30	31.60	4,287.5	1,277.7	841.2	1,529.8	1.15	0.64	-2.45	
4,690.0	24.20	32.10	4,373.5	1,309.9	861.2	1,567.6	0.98	0.96	0.53	
4,783.0	23.90	31.30	4,458.4	1,342.1	881.1	1,605.5	0.48	-0.32	-0.86	
4,877.0	24.80	34.20	4,544.1	1,374.7	902.1	1,644.2	1.59	0.96	3.09	
4,971.0	24.30	32.30	4,629.6	1,407.4	923.5	1,683.3	0.99	-0.53	-2.02	
5,064.0	23.40	30.60	4,714.6	1,439.4	943.1	1,720.9	1.22	-0.97	-1.83	
5,158.0	23.30	34.20	4,800.9	1,470.9	963.1	1,758.1	1.52	-0.11	3.83	
5,251.0	23.10	35.30	4,886.4	1,501.0	983.9	1,794.7	0.51	-0.22	1.18	
5,345.0	23.50	33.40	4,972.7	1,531.7	1,004.9	1,831.9	0.91	0.43	-2.02	
5,439.0	22.40	34.80	5,059.3	1,562.0	1,025.5	1,868.5	1.31	-1.17	1.49	
5,533.0	23.80	34.60	5,145.8	1,592.3	1,046.4	1,905.4	1.49	1.49	-0.21	
5,627.0	22.50	33.40	5,232.2	1,623.0	1,067.1	1,942.4	1.47	-1.38	-1.28	
5,720.0	22.40	32.50	5,318.1	1,652.8	1,086.4	1,977.9	0.38	-0.11	-0.97	
5,814.0	22.40	30.40	5,405.1	1,683.3	1,105.1	2,013.7	0.85	0.00	-2.23	
5,908.0	23.00	30.20	5,491.8	1,714.7	1,123.4	2,049.9	0.64	0.64	-0.21	
6,002.0	23.30	35.10	5,578.2	1,745.7	1,143.4	2,086.8	2.07	0.32	5.21	
6,096.0	23.50	32.30	5,664.5	1,776.8	1,164.1	2,124.1	1.20	0.21	-2.98	
6,190.0	23.80	32.50	5,750.6	1,808.6	1,184.3	2,161.9	0.33	0.32	0.21	

<b>Company:</b>	Synergy Resources	<b>Local Co-ordinate Reference:</b>	Well SRC GCC 11-11D
<b>Project:</b>	SEC.10-T5N-R66W	<b>TVD Reference:</b>	WELL @ 4871.0ft (Original Well Elev)
<b>Site:</b>	SRC Aims/GCC Pad Sec.10-T5N-R66W	<b>MD Reference:</b>	WELL @ 4871.0ft (Original Well Elev)
<b>Well:</b>	SRC GCC 11-11D	<b>North Reference:</b>	True
<b>Wellbore:</b>	Wellbore #1	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Design:</b>	Wellbore #1	<b>Database:</b>	Landmark

Survey										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	
6,283.0	24.40	32.00	5,835.5	1,840.7	1,204.5	2,199.8	0.68	0.65	-0.54	
6,377.0	22.30	30.60	5,921.8	1,872.6	1,223.9	2,237.1	2.31	-2.23	-1.49	
6,471.0	21.00	32.10	6,009.1	1,902.2	1,241.9	2,271.7	1.50	-1.38	1.60	
6,565.0	20.00	29.90	6,097.2	1,930.4	1,258.9	2,304.6	1.34	-1.06	-2.34	
6,658.0	17.70	32.10	6,185.2	1,956.2	1,274.3	2,334.6	2.59	-2.47	2.37	
6,751.0	17.10	29.90	6,273.9	1,980.0	1,288.7	2,362.4	0.96	-0.65	-2.37	
6,845.0	15.70	31.40	6,364.1	2,002.8	1,302.2	2,388.9	1.56	-1.49	1.60	
6,939.0	14.90	30.60	6,454.8	2,024.1	1,315.0	2,413.7	0.88	-0.85	-0.85	
6,950.1	14.77	30.91	6,465.5	2,026.5	1,316.4	2,416.5	1.40	-1.20	2.82	
TARGET BHL 661'FNL, 735'FWL										
6,981.6	14.39	31.83	6,496.0	2,033.3	1,320.5	2,424.5	1.40	-1.19	2.91	
DRILL TARGET 877'FNL, 594'FWL										
7,032.0	13.80	33.40	6,544.9	2,043.6	1,327.1	2,436.7	1.40	-1.17	3.11	
7,126.0	12.30	39.70	6,636.5	2,060.7	1,339.7	2,457.9	2.20	-1.60	6.70	
7,220.0	11.70	37.40	6,728.4	2,076.0	1,351.9	2,477.4	0.82	-0.64	-2.45	
7,229.8	11.66	37.01	6,738.0	2,077.6	1,353.1	2,479.3	0.92	-0.45	-3.98	
LEGAL BOX 400' X 400' 664'FNL, 737'FWL										
7,230.0	11.66	37.01	6,738.2	2,077.6	1,353.1	2,479.4	0.00	0.00	0.00	
TARGET CIRCLE 661'FNL & 735'FWL										
7,315.0	11.30	33.50	6,821.5	2,091.4	1,362.9	2,496.3	0.92	-0.42	-4.13	
7,407.0	10.60	28.80	6,911.8	2,106.3	1,371.9	2,513.7	1.23	-0.76	-5.11	
7,501.0	9.80	28.80	7,004.3	2,120.9	1,380.0	2,530.3	0.85	-0.85	0.00	
7,596.0	8.90	34.40	7,098.1	2,134.1	1,388.0	2,545.7	1.35	-0.95	5.89	
7,690.0	7.50	41.10	7,191.1	2,144.7	1,396.1	2,559.1	1.80	-1.49	7.13	
7,783.0	7.30	32.10	7,283.3	2,154.3	1,403.3	2,571.0	1.26	-0.22	-9.68	
7,877.0	6.90	37.60	7,376.6	2,163.8	1,409.9	2,582.6	0.84	-0.43	5.85	
7,971.0	6.30	37.20	7,470.0	2,172.4	1,416.5	2,593.4	0.64	-0.64	-0.43	
8,065.0	5.60	38.80	7,563.5	2,180.1	1,422.5	2,603.1	0.77	-0.74	1.70	
8,106.0	5.20	38.50	7,604.3	2,183.1	1,424.9	2,606.9	0.98	-0.98	-0.73	
8,156.0	5.20	38.50	7,654.1	2,186.6	1,427.7	2,611.4	0.00	0.00	0.00	

Checked By: _____	Approved By: _____	Date: _____
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