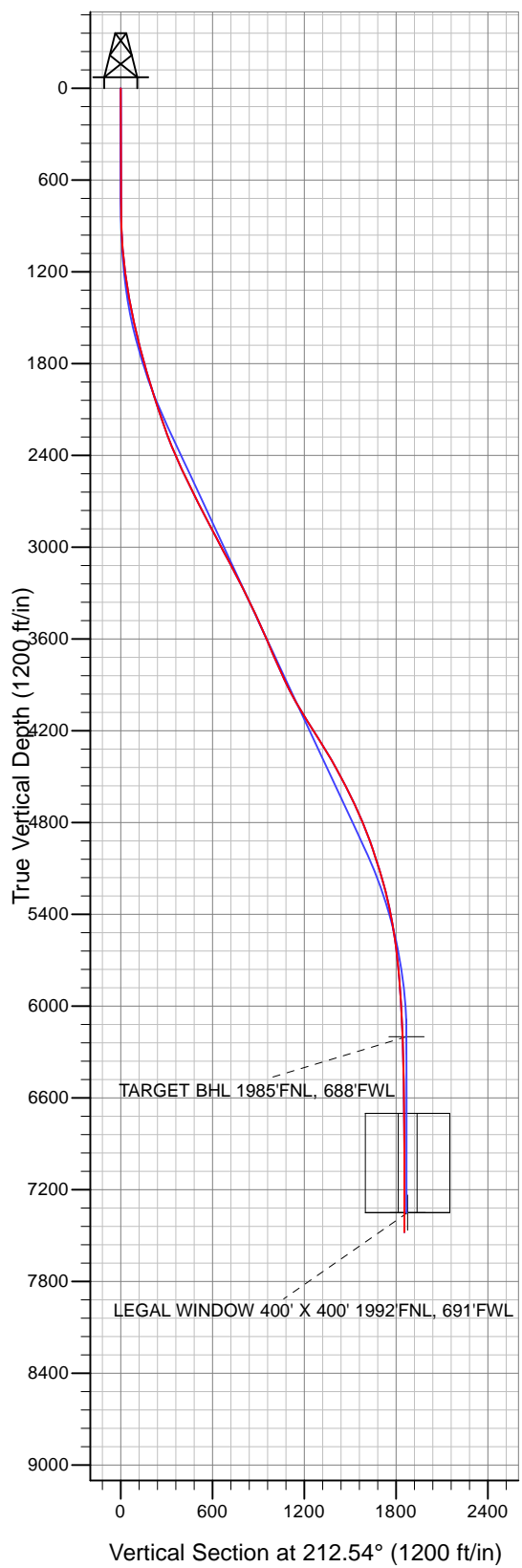


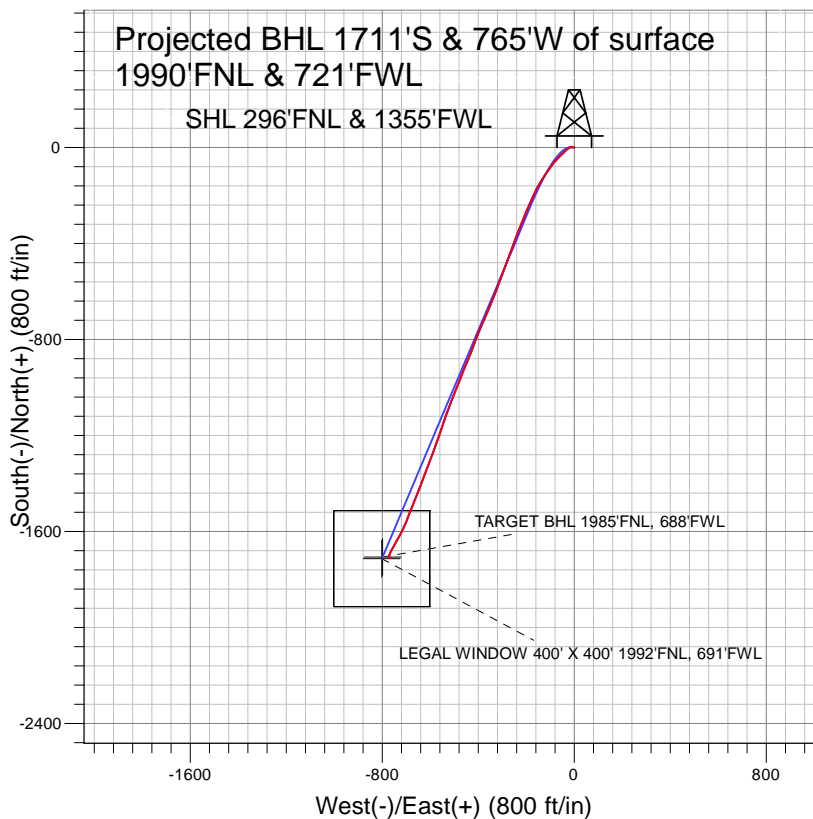
Well Name: **SRC TK 12-36D**

Surface Location: SRC TK Pad Sec.36-T7N-R66W  
 North American Datum 1983 , US State Plane 1983 , Colorado Northern Zone  
 Ground Elevation: 4856.0

+N/-S+E/-W	Northing	Easting	Latitude	Longitude	Slot
0.0	0.0	1439846.07	3213931.86	40° 32' 17.624 N	104° 43' 49.051 W
Original Well Elev WELL @ 4869.0ft (Original Well Elev)					



## Synergy Resources



### LEGEND

- SRC TK 12-36D, SRC TK 12-36D, Plan #2 (3-9-10) V0
- SRC TK 12-36D
- Survey #1

## Final Survey Plot

Projected Final Survey -  
 7870'MD & 7478'TVD @ 1873' VS  
 0.8 deg Inc 106.1 deg AZ

Project: SEC.36-T7N-R66W  
 Site: SRC TK Pad Sec.36-T7N-R66W  
 Well: SRC TK 12-36D  
 Plan: SRC TK 12-36D



## **Synergy Resources**

**SEC.36-T7N-R66W**

**SRC TK Pad Sec.36-T7N-R66W**

**SRC TK 12-36D**

**SRC TK 12-36D**

**Survey: Survey #1**

## **Standard Survey Report**

**30 March, 2010**

<b>Company:</b>	Synergy Resources	<b>Local Co-ordinate Reference:</b>	Well SRC TK 12-36D
<b>Project:</b>	SEC.36-T7N-R66W	<b>TVD Reference:</b>	WELL @ 4869.0ft (Original Well Elev)
<b>Site:</b>	SRC TK Pad Sec.36-T7N-R66W	<b>MD Reference:</b>	WELL @ 4869.0ft (Original Well Elev)
<b>Well:</b>	SRC TK 12-36D	<b>North Reference:</b>	True
<b>Wellbore:</b>	SRC TK 12-36D	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Design:</b>	SRC TK 12-36D	<b>Database:</b>	EDM den0-adp01 Server Data

<b>Project</b>	SEC.36-T7N-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

<b>Site</b>	SRC TK Pad Sec.36-T7N-R66W		
<b>Site Position:</b>		<b>Northing:</b>	1,439,912.06ft
<b>From:</b>	Lat/Long	<b>Easting:</b>	3,213,936.01ft
<b>Position Uncertainty:</b>	0.0 ft	<b>Slot Radius:</b>	"
		<b>Latitude:</b>	40° 32' 18.276 N
		<b>Longitude:</b>	104° 43' 48.990 W
		<b>Grid Convergence:</b>	0.50 °

<b>Well</b>	SRC TK 12-36D		
<b>Well Position</b>	<b>+N/-S</b>	0.0 ft	<b>Northing:</b>
	<b>+E/-W</b>	0.0 ft	<b>Easting:</b>
<b>Position Uncertainty</b>	0.0 ft	<b>Wellhead Elevation:</b>	ft
		<b>Latitude:</b>	40° 32' 17.624 N
		<b>Longitude:</b>	104° 43' 49.051 W
		<b>Ground Level:</b>	4,856.0ft

<b>Wellbore</b>	SRC TK 12-36D		
<b>Magnetics</b>	<b>Model Name</b>	<b>Sample Date</b>	<b>Declination (°)</b>
	IGRF200510	3/23/2009	9.12
	IGRF200510	12/31/2009	9.02
			<b>Dip Angle (°)</b>
			67.25
			67.23
			<b>Field Strength (nT)</b>
			53,460
			53,380

<b>Design</b>	SRC TK 12-36D		
<b>Audit Notes:</b>			
<b>Version:</b>	1.0	<b>Phase:</b>	ACTUAL
		<b>Tie On Depth:</b>	0.0
<b>Vertical Section:</b>	<b>Depth From (TVD) (ft)</b>	<b>+N/-S (ft)</b>	<b>+E/-W (ft)</b>
	0.0	0.0	0.0
			<b>Direction (°)</b>
			212.54

<b>Survey Program</b>	<b>Date</b>	3/30/2010		
<b>From (ft)</b>	<b>To (ft)</b>	<b>Survey (Wellbore)</b>	<b>Tool Name</b>	<b>Description</b>
615.0	7,870.0	Survey #1 (SRC TK 12-36D)	MWD	MWD - Standard

<b>Survey</b>									
<b>Measured Depth (ft)</b>	<b>Inclination (°)</b>	<b>Azimuth (°)</b>	<b>Vertical Depth (ft)</b>	<b>+N/-S (ft)</b>	<b>+E/-W (ft)</b>	<b>Vertical Section (ft)</b>	<b>Dogleg Rate (°/100ft)</b>	<b>Build Rate (°/100ft)</b>	<b>Turn Rate (°/100ft)</b>
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
615.0	1.00	280.70	615.0	1.0	-5.3	2.0	0.16	0.16	0.00
709.0	1.00	290.00	709.0	1.4	-6.9	2.5	0.17	0.00	9.89
802.0	1.40	280.40	801.9	1.9	-8.7	3.1	0.48	0.43	-10.32
896.0	2.50	263.10	895.9	1.9	-11.9	4.8	1.31	1.17	-18.40
989.0	4.40	252.60	988.7	0.6	-17.3	8.8	2.14	2.04	-11.29
1,083.0	5.00	233.00	1,082.4	-3.0	-24.0	15.4	1.81	0.64	-20.85
1,176.0	7.30	225.20	1,174.9	-9.6	-31.5	25.0	2.63	2.47	-8.39
1,270.0	8.70	227.00	1,267.9	-18.6	-40.9	37.7	1.51	1.49	1.91
1,364.0	10.00	223.30	1,360.7	-29.4	-51.7	52.6	1.52	1.38	-3.94
1,457.0	11.60	224.30	1,452.0	-42.0	-63.8	69.7	1.73	1.72	1.08
1,551.0	13.20	224.40	1,543.8	-56.4	-77.9	89.5	1.70	1.70	0.11

<b>Company:</b>	Synergy Resources	<b>Local Co-ordinate Reference:</b>	Well SRC TK 12-36D
<b>Project:</b>	SEC.36-T7N-R66W	<b>TVD Reference:</b>	WELL @ 4869.0ft (Original Well Elev)
<b>Site:</b>	SRC TK Pad Sec.36-T7N-R66W	<b>MD Reference:</b>	WELL @ 4869.0ft (Original Well Elev)
<b>Well:</b>	SRC TK 12-36D	<b>North Reference:</b>	True
<b>Wellbore:</b>	SRC TK 12-36D	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Design:</b>	SRC TK 12-36D	<b>Database:</b>	EDM den0-adp01 Server Data

### 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)
1,644.0	14.40	217.40	1,634.2	-73.2	-92.3	111.4	2.21	1.29	-7.53
1,738.0	14.90	214.30	1,725.1	-92.5	-106.2	135.1	0.99	0.53	-3.30
1,831.0	15.30	212.10	1,814.9	-112.7	-119.5	159.3	0.75	0.43	-2.37
1,925.0	15.50	213.30	1,905.5	-133.8	-133.0	184.3	0.40	0.21	1.28
2,021.0	17.80	210.90	1,997.5	-157.1	-147.6	211.8	2.50	2.40	-2.50
2,115.0	19.50	207.30	2,086.6	-183.3	-162.1	241.8	2.18	1.81	-3.83
2,209.0	18.90	203.00	2,175.3	-211.3	-175.3	272.4	1.63	-0.64	-4.57
2,303.0	20.40	204.40	2,263.9	-240.2	-188.0	303.6	1.67	1.60	1.49
2,397.0	23.10	202.50	2,351.2	-272.2	-201.8	338.0	2.97	2.87	-2.02
2,491.0	24.50	199.80	2,437.2	-307.6	-215.5	375.2	1.89	1.49	-2.87
2,585.0	25.10	200.80	2,522.5	-344.5	-229.2	413.7	0.78	0.64	1.06
2,679.0	26.50	202.10	2,607.1	-382.6	-244.1	453.9	1.61	1.49	1.38
2,773.0	28.40	201.10	2,690.5	-422.9	-260.1	496.4	2.08	2.02	-1.06
2,867.0	27.50	200.50	2,773.6	-464.1	-275.7	539.5	1.00	-0.96	-0.64
2,961.0	27.90	200.50	2,856.8	-505.0	-291.0	582.3	0.43	0.43	0.00
3,055.0	28.60	200.90	2,939.6	-546.6	-306.8	625.8	0.77	0.74	0.43
3,149.0	28.60	200.50	3,022.1	-588.7	-322.7	669.9	0.20	0.00	-0.43
3,243.0	27.60	201.00	3,105.1	-630.1	-338.3	713.2	1.09	-1.06	0.53
3,337.0	27.10	202.70	3,188.5	-670.2	-354.4	755.6	0.99	-0.53	1.81
3,430.0	27.80	203.70	3,271.1	-709.6	-371.3	797.9	0.90	0.75	1.08
3,523.0	27.10	202.70	3,353.6	-749.0	-388.2	840.2	0.90	-0.75	-1.08
3,617.0	25.10	202.70	3,438.0	-787.2	-404.2	881.0	2.13	-2.13	0.00
3,710.0	24.00	200.50	3,522.6	-823.1	-418.4	918.9	1.54	-1.18	-2.37
3,803.0	23.50	200.70	3,607.7	-858.1	-431.6	955.6	0.54	-0.54	0.22
3,897.0	23.80	203.70	3,693.8	-893.0	-445.8	992.6	1.32	0.32	3.19
3,991.0	24.60	201.50	3,779.6	-928.6	-460.6	1,030.6	1.28	0.85	-2.34
4,084.0	25.00	202.20	3,864.0	-964.8	-475.1	1,068.9	0.53	0.43	0.75
4,178.0	28.10	202.00	3,948.1	-1,003.7	-490.9	1,110.2	3.30	3.30	-0.21
4,272.0	30.50	201.20	4,030.0	-1,046.5	-507.9	1,155.4	2.59	2.55	-0.85
4,365.0	32.30	200.30	4,109.4	-1,091.8	-525.0	1,202.8	2.00	1.94	-0.97
4,459.0	33.30	198.30	4,188.4	-1,139.9	-541.8	1,252.4	1.57	1.06	-2.13
4,553.0	32.20	199.00	4,267.5	-1,188.1	-558.1	1,301.7	1.24	-1.17	0.74
4,646.0	31.60	200.10	4,346.5	-1,234.4	-574.5	1,349.6	0.90	-0.65	1.18
4,740.0	30.70	200.20	4,426.9	-1,280.0	-591.3	1,397.1	0.96	-0.96	0.11
4,832.0	28.40	200.60	4,506.9	-1,322.6	-607.1	1,441.5	2.51	-2.50	0.43
4,926.0	27.30	201.30	4,590.0	-1,363.6	-622.8	1,484.5	1.22	-1.17	0.74
5,020.0	25.40	201.10	4,674.3	-1,402.5	-637.9	1,525.4	2.02	-2.02	-0.21
5,114.0	24.10	201.00	4,759.6	-1,439.2	-652.0	1,564.0	1.38	-1.38	-0.11
5,208.0	21.90	202.00	4,846.2	-1,473.4	-665.4	1,600.0	2.38	-2.34	1.06
5,302.0	20.00	201.50	4,933.9	-1,504.6	-677.9	1,633.0	2.03	-2.02	-0.53
5,396.0	18.20	201.70	5,022.8	-1,533.2	-689.2	1,663.2	1.92	-1.91	0.21
5,490.0	17.50	201.00	5,112.2	-1,560.0	-699.7	1,691.5	0.78	-0.74	-0.74
5,584.0	16.20	205.60	5,202.2	-1,585.0	-710.5	1,718.3	1.98	-1.38	4.89
5,678.0	13.20	209.20	5,293.1	-1,606.2	-721.4	1,742.1	3.33	-3.19	3.83
5,772.0	11.20	208.90	5,385.0	-1,623.6	-731.0	1,761.9	2.13	-2.13	-0.32
5,866.0	9.50	208.70	5,477.5	-1,638.4	-739.1	1,778.8	1.81	-1.81	-0.21
5,960.0	8.10	208.10	5,570.3	-1,651.0	-746.0	1,793.1	1.49	-1.49	-0.64
6,054.0	6.70	207.00	5,663.6	-1,661.8	-751.6	1,805.2	1.50	-1.49	-1.17
6,148.0	5.80	209.80	5,757.0	-1,670.8	-756.4	1,815.4	1.01	-0.96	2.98
6,242.0	4.40	209.30	5,850.6	-1,678.0	-760.6	1,823.7	1.49	-1.49	-0.53
6,333.0	3.50	208.10	5,941.4	-1,683.5	-763.6	1,830.0	0.99	-0.99	-1.32
6,424.0	2.90	205.00	6,032.3	-1,688.1	-765.9	1,835.0	0.69	-0.66	-3.41
6,518.0	2.30	203.40	6,126.2	-1,692.0	-767.6	1,839.2	0.64	-0.64	-1.70
6,592.7	1.91	198.95	6,200.8	-1,694.5	-768.6	1,841.9	0.57	-0.53	-5.96

**Company:** Synergy Resources  
**Project:** SEC.36-T7N-R66W  
**Site:** SRC TK Pad Sec.36-T7N-R66W  
**Well:** SRC TK 12-36D  
**Wellbore:** SRC TK 12-36D  
**Design:** SRC TK 12-36D

**Local Co-ordinate Reference:** Well SRC TK 12-36D  
**TVD Reference:** WELL @ 4869.0ft (Original Well Elev)  
**MD Reference:** WELL @ 4869.0ft (Original Well Elev)  
**North Reference:** True  
**Survey Calculation Method:** Minimum Curvature  
**Database:** EDM den0-adp01 Server Data

### 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)
<b>TARGET BHL 1985'FNL, 688'FWL</b>									
6,613.0	1.80	197.40	6,221.1	-1,695.1	-768.8	1,842.6	0.57	-0.52	-7.61
6,707.0	1.60	204.80	6,315.1	-1,697.7	-769.8	1,845.3	0.32	-0.21	7.87
6,800.0	1.50	201.60	6,408.0	-1,700.0	-770.8	1,847.8	0.14	-0.11	-3.44
6,894.0	1.40	199.20	6,502.0	-1,702.3	-771.6	1,850.1	0.12	-0.11	-2.55
6,988.0	0.70	181.90	6,596.0	-1,703.9	-772.0	1,851.7	0.81	-0.74	-18.40
7,081.0	0.90	146.30	6,689.0	-1,705.1	-771.7	1,852.5	0.56	0.22	-38.28
7,175.0	0.70	153.50	6,783.0	-1,706.2	-771.0	1,853.1	0.24	-0.21	7.66
7,331.0	0.70	127.90	6,939.0	-1,707.7	-769.8	1,853.7	0.20	0.00	-16.41
7,487.0	0.60	126.30	7,094.9	-1,708.7	-768.4	1,853.8	0.07	-0.06	-1.03
7,644.0	0.50	128.60	7,251.9	-1,709.6	-767.2	1,853.9	0.07	-0.06	1.46
7,741.7	0.65	113.88	7,349.7	-1,710.1	-766.4	1,853.9	0.21	0.15	-15.06
<b>LEGAL WINDOW 400' X 400' 1992'FNL, 691'FWL</b>									
7,825.0	0.80	106.10	7,432.9	-1,710.5	-765.4	1,853.7	0.21	0.18	-9.34
7,870.0	0.80	106.10	7,477.9	-1,710.7	-764.8	1,853.5	0.00	0.00	0.00

### Wellbore Targets

Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N-S (ft)	+E-W (ft)	Northing (ft)	Easting (ft)	Latitude	Longitude
- hit/miss target									
- Shape									
TARGET BHL 1985'F	0.00	0.00	6,200.0	-1,706.4	-797.9	1,438,132.85	3,213,148.83	40° 32' 0.762 N	104° 43' 59.385 W
- survey misses target center by 31.6ft at 6592.7ft MD (6200.8 TVD, -1694.5 N, -768.6 E)									
- Point									
LEGAL WINDOW 400	0.00	0.00	7,350.0	-1,713.4	-800.9	1,438,125.84	3,213,145.88	40° 32' 0.693 N	104° 43' 59.424 W
- survey misses target center by 34.7ft at 7741.7ft MD (7349.7 TVD, -1710.1 N, -766.4 E)									
- Rectangle (sides W400.0 H400.0 D0.0)									

Checked By: \_\_\_\_\_ Approved By: \_\_\_\_\_ Date: \_\_\_\_\_