

Well Name: **SRC Avex 21-2D**

Surface Location: SRC Avex 11-2D Pad Sec.2-T4N-R68W
North American Datum 1983 US State Plane 1983 Colorado Northern Zone

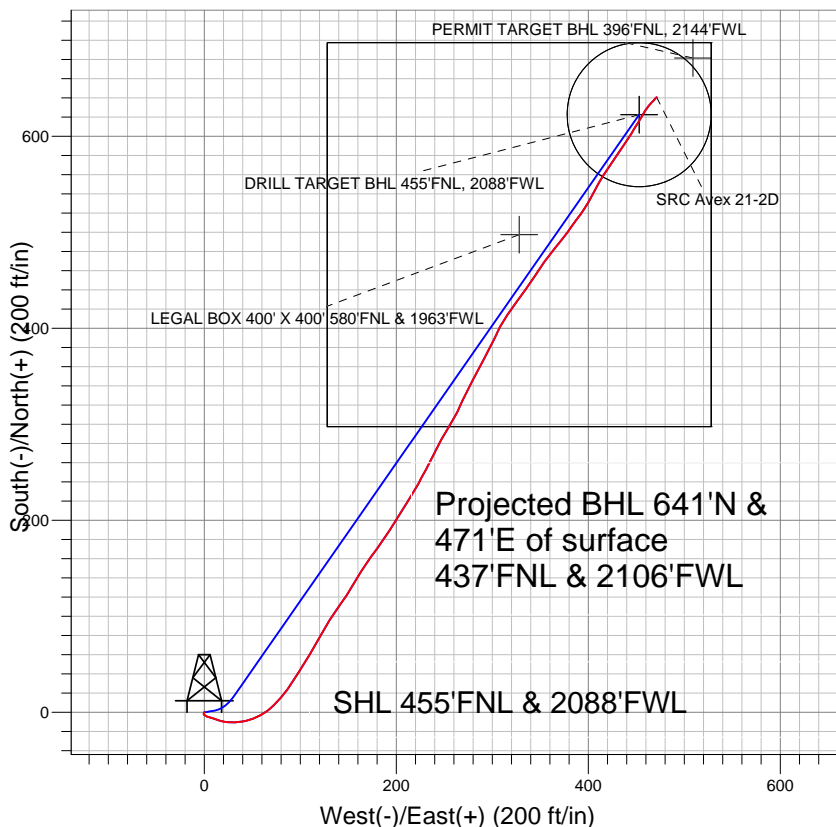
Ground Elevation: 5003.0

+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
0.0	0.0	1369395.48	3146436.52	40.346201	-104.974629

Original Well Elev WELL @ 5016.0ft (Original Well Elev)

Slot

Synergy Resources



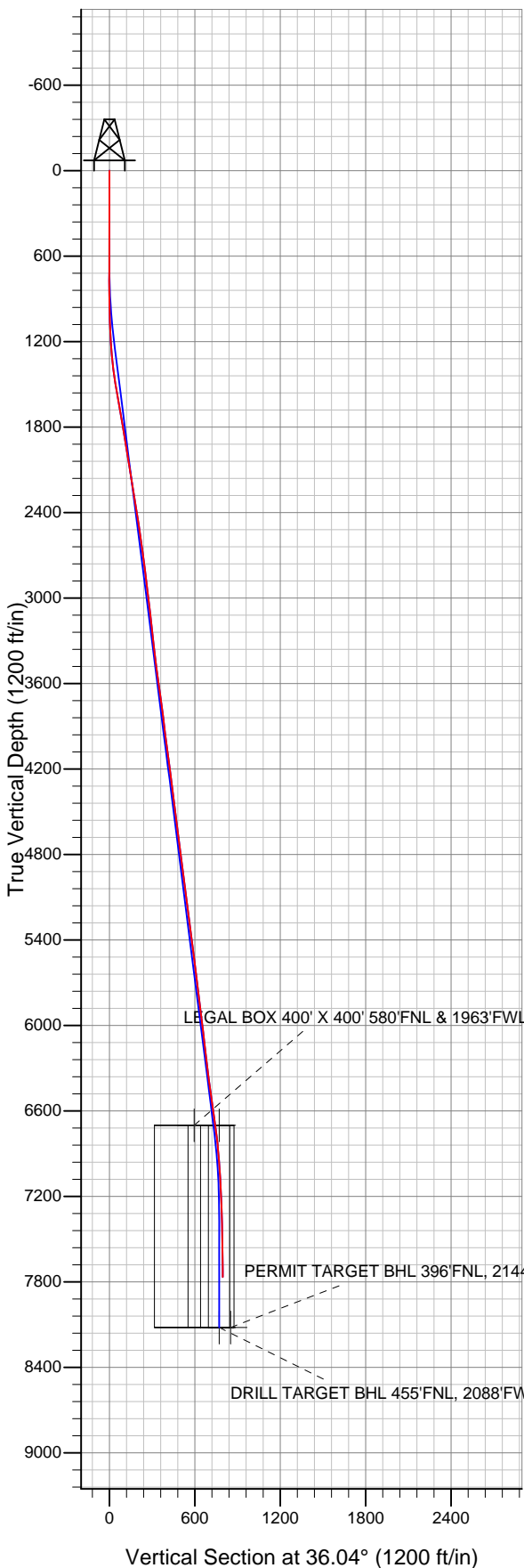
LEGEND

- SRC Avex 21-2D, Wellbore #1, Plan #2 (9-28-12) R V0
- Wellbore #1
- Survey #1

Final Survey Plot

Projected Final Survey -
7821'MD & 7767'TVD @ 795'VS
0.4 deg Inc 50.8 deg AZ

Project: SEC.2-T4N-R68W
Site: SRC Avex 11-2D Pad Sec.2-T4N-R68W
Well: SRC Avex 21-2D
Plan: Wellbore #1





Directional

Synergy Resources

SEC.2-T4N-R68W

SRC Avex 11-2D Pad Sec.2-T4N-R68W

SRC Avex 21-2D

Wellbore #1

Survey: Survey #1

Standard Survey Report

04 October, 2012

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)
Survey A	0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
	644.0	0.30	202.20	644.0	-1.6	-0.6	-1.6	0.05	0.05	0.00
	773.0	1.80	129.60	773.0	-3.2	0.8	-2.1	1.34	1.16	-56.28
	901.0	3.00	102.00	900.9	-5.1	5.6	-0.9	1.28	0.94	-21.56
	1,029.0	4.40	113.20	1,028.6	-7.8	13.4	1.6	1.23	1.09	8.75
	1,158.0	6.20	94.10	1,157.0	-10.2	24.9	6.4	1.94	1.40	-14.81
	1,286.0	6.90	81.60	1,284.2	-9.6	39.4	15.4	1.24	0.55	-9.77
	1,414.0	8.70	64.70	1,411.0	-4.3	55.8	29.3	2.26	1.41	-13.20
	1,542.0	9.80	45.50	1,537.4	7.4	72.3	48.6	2.55	0.86	-15.00
	1,671.0	9.70	36.20	1,664.6	23.9	86.5	70.3	1.22	-0.08	-7.21
	1,799.0	10.00	31.00	1,790.7	42.1	98.6	92.1	0.73	0.23	-4.06
	1,927.0	9.50	31.70	1,916.8	60.7	109.9	113.7	0.40	-0.39	0.55
2,055.0	9.20	28.70	2,043.1	78.6	120.4	134.4	0.45	-0.23	-2.34	

Company:	Synergy Resources	Local Co-ordinate Reference:	Well SRC Avex 21-2D
Project:	SEC.2-T4N-R68W	TVD Reference:	WELL @ 5016.0ft (Original Well Elev)
Site:	SRC Avex 11-2D Pad Sec.2-T4N-R68W	MD Reference:	WELL @ 5016.0ft (Original Well Elev)
Well:	SRC Avex 21-2D	North Reference:	True
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Wellbore #1	Database:	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)
2,183.0	9.00	31.80	2,169.5	96.1	130.6	154.5	0.41	-0.16	2.42
2,311.0	9.60	36.20	2,295.8	113.2	142.2	175.2	0.73	0.47	3.44
2,440.0	9.00	30.20	2,423.1	130.6	153.6	196.0	0.88	-0.47	-4.65
2,568.0	8.10	32.40	2,549.7	146.9	163.4	214.9	0.75	-0.70	1.72
2,698.0	7.40	35.30	2,678.5	161.5	173.2	232.4	0.62	-0.54	2.23
2,827.0	7.20	35.90	2,806.5	174.8	182.7	248.8	0.17	-0.16	0.47
2,955.0	6.90	33.80	2,933.5	187.7	191.7	264.5	0.31	-0.23	-1.64
3,083.0	6.90	30.90	3,060.6	200.7	199.9	279.9	0.27	0.00	-2.27
3,211.0	6.50	32.40	3,187.7	213.4	207.8	294.8	0.34	-0.31	1.17
3,339.0	6.40	33.40	3,314.9	225.4	215.6	309.1	0.12	-0.08	0.78
3,468.0	6.70	27.30	3,443.1	238.1	223.0	323.7	0.59	0.23	-4.73
3,596.0	8.30	28.70	3,570.0	252.9	230.9	340.3	1.26	1.25	1.09
3,725.0	7.70	25.50	3,697.7	268.8	239.0	358.0	0.58	-0.47	-2.48
3,853.0	7.70	28.30	3,824.6	284.1	246.8	375.0	0.29	0.00	2.19
3,981.0	7.30	33.20	3,951.5	298.5	255.3	391.6	0.59	-0.31	3.83
4,109.0	7.60	26.70	4,078.4	312.9	263.6	408.0	0.70	0.23	-5.08
4,238.0	7.80	23.90	4,206.2	328.5	271.0	425.0	0.33	0.16	-2.17
4,366.0	7.30	26.60	4,333.1	343.7	278.1	441.5	0.48	-0.39	2.11
4,494.0	7.00	30.20	4,460.1	357.7	285.7	457.3	0.42	-0.23	2.81
4,621.0	7.70	28.50	4,586.1	371.9	293.6	473.5	0.58	0.55	-1.34
4,749.0	7.40	23.40	4,713.0	387.0	301.0	490.0	0.57	-0.23	-3.98
4,878.0	6.70	28.10	4,841.0	401.2	307.8	505.6	0.70	-0.54	3.64
5,006.0	6.90	34.50	4,968.1	414.2	315.7	520.6	0.61	0.16	5.00
5,134.0	7.70	36.90	5,095.0	427.3	325.2	536.9	0.67	0.63	1.88
5,263.0	7.90	34.80	5,222.9	441.5	335.5	554.4	0.27	0.16	-1.63
5,391.0	7.70	33.60	5,349.7	455.9	345.2	571.8	0.20	-0.16	-0.94
5,519.0	6.80	34.50	5,476.6	469.3	354.3	587.9	0.71	-0.70	0.70
5,647.0	7.30	39.40	5,603.7	481.8	363.7	603.6	0.61	0.39	3.83
5,776.0	7.00	38.90	5,731.7	494.3	373.9	619.6	0.24	-0.23	-0.39
5,904.0	6.10	34.30	5,858.8	506.0	382.6	634.2	0.81	-0.70	-3.59
6,033.0	7.90	36.70	5,986.9	518.7	391.8	649.9	1.41	1.40	1.86
6,161.0	6.50	30.10	6,113.9	532.1	400.6	665.9	1.27	-1.09	-5.16
6,289.0	6.50	25.90	6,241.0	544.8	407.4	680.3	0.37	0.00	-3.28
6,417.0	8.30	32.70	6,368.0	559.1	415.6	696.6	1.56	1.41	5.31
6,545.0	7.60	34.30	6,494.7	573.9	425.4	714.3	0.57	-0.55	1.25
6,673.0	8.00	33.80	6,621.6	588.3	435.1	731.7	0.32	0.31	-0.39
6,732.2	7.82	33.49	6,680.2	595.1	439.6	739.8	0.32	-0.31	-0.53
LEGAL BOX 400' X 400' 580'FNL & 1963'FWL									
6,755.9	7.74	33.36	6,703.7	597.8	441.4	743.0	0.32	-0.31	-0.55
TARGET CIRCLE 445'FNL & 2088'FWL									
6,802.0	7.60	33.10	6,749.4	602.9	444.7	749.2	0.32	-0.31	-0.56
6,930.0	5.30	30.20	6,876.5	615.1	452.3	763.5	1.81	-1.80	-2.27
7,059.0	4.00	30.40	7,005.1	624.1	457.6	773.9	1.01	-1.01	0.16
7,187.0	2.70	39.00	7,132.9	630.3	461.8	781.4	1.09	-1.02	6.72
7,315.0	2.10	43.30	7,260.8	634.4	465.3	786.7	0.49	-0.47	3.36
7,444.0	1.40	46.40	7,389.7	637.2	468.0	790.6	0.55	-0.54	2.40
7,572.0	0.80	35.00	7,517.7	639.0	469.7	793.0	0.50	-0.47	-8.91
7,701.0	0.50	42.50	7,646.7	640.1	470.6	794.5	0.24	-0.23	5.81
7,777.0	0.40	50.80	7,722.7	640.6	471.0	795.1	0.16	-0.13	10.92
7,821.0	0.40	50.80	7,766.7	640.8	471.2	795.4	0.00	0.00	0.00
DRILL TARGET BHL 455'FNL, 2088'FWL - PERMIT TARGET BHL 396'FNL, 2144'FWL									

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Well:	SRC Avex 21-2D	North Reference:	True
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Wellbore #1	Database:	Landmark

Checked By: _____	Approved By: _____	Date: _____
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