

Well Name: **SRC Haythorn 42-36D**

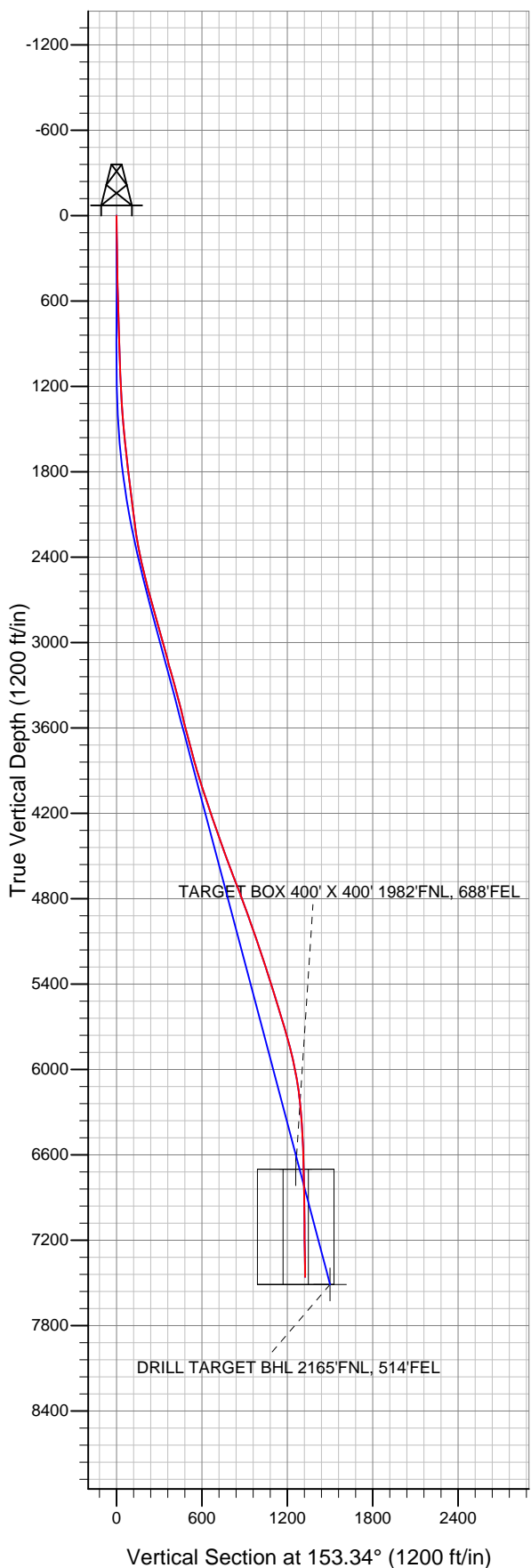
Surface Location: SRC Haythorn 31-36D Pad Sec.36-T7N-R66W
 North American Datum 1983 US State Plane 1983 Colorado Northern Zone

Ground Elevation: 4853.0

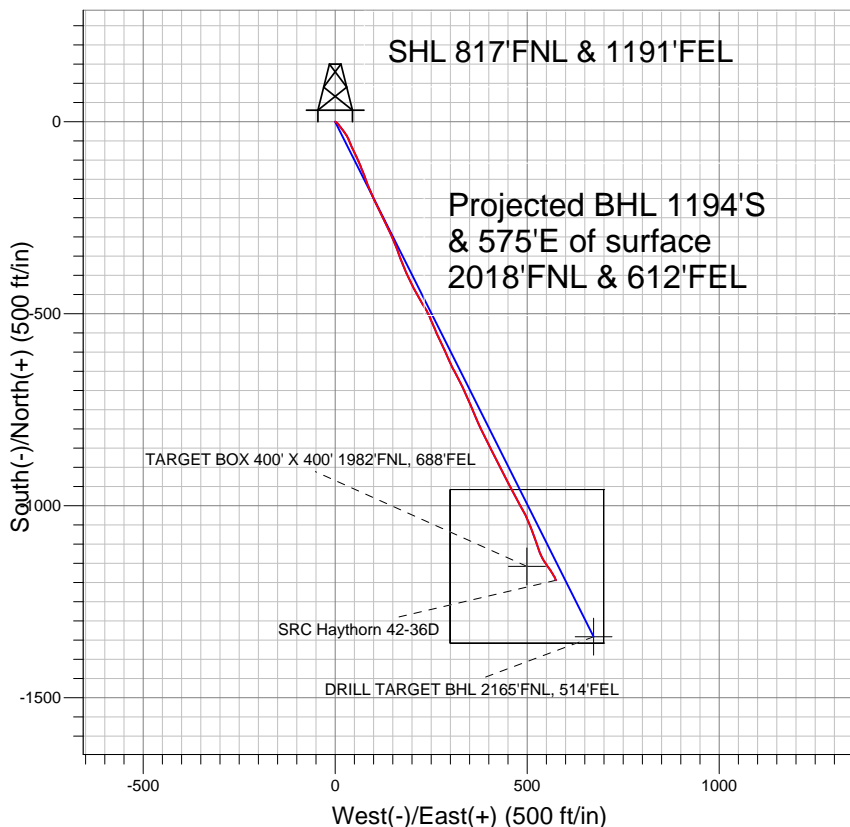
+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
0.0	0.0	1439386.56	3216757.96	40.536900	-104.720139

Original Well Elev WELL @ 4866.0ft (Original Well Elev)

Slot



Synergy Resources



LEGEND

- ◆ SRC Haythorn 42-36D, Wellbore #1, Plan #1 (2-16-11) V0
- Wellbore #1
- Survey #1

Final Survey Plot

Projected Final Survey -
 7635'MD & 7458'TVD @ 1325'VS
 0.8 deg Inc 156.2 deg AZ

Project: SEC.36-T7N-R66W
 Site: SRC Haythorn 31-36D Pad Sec.36-T7N-R66W
 Well: SRC Haythorn 42-36D
 Plan: Wellbore #1



Directional

Synergy Resources

SEC.36-T7N-R66W

SRC Haythorn 31-36D Pad Sec.36-T7N-R66W

SRC Haythorn 42-36D

Wellbore #1

Survey: Survey #1

Standard Survey Report

03 October, 2011

Company:	Synergy Resources	Local Co-ordinate Reference:	Well SRC Haythorn 42-36D
Project:	SEC.36-T7N-R66W	TVD Reference:	WELL @ 4866.0ft (Original Well Elev)
Site:	SRC Haythorn 31-36D Pad Sec.36-T7N-R66W	MD Reference:	WELL @ 4866.0ft (Original Well Elev)
Well:	SRC Haythorn 42-36D	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)	
1,552.0	5.70	153.30	1,550.6	-44.6	34.1	55.1	1.19	1.17	2.23	
1,646.0	5.50	160.90	1,644.1	-53.0	37.7	64.3	0.82	-0.21	8.09	
1,739.0	6.60	154.70	1,736.6	-62.0	41.4	74.0	1.37	1.18	-6.67	
1,833.0	7.60	153.20	1,829.9	-72.5	46.5	85.7	1.08	1.06	-1.60	
1,926.0	7.00	156.30	1,922.1	-83.2	51.6	97.5	0.77	-0.65	3.33	
2,021.0	7.30	151.90	2,016.4	-93.8	56.8	109.3	0.66	0.32	-4.63	
2,115.0	7.20	157.60	2,109.6	-104.5	61.8	121.1	0.77	-0.11	6.06	
2,209.0	7.30	161.80	2,202.9	-115.6	65.9	132.9	0.57	0.11	4.47	
2,303.0	9.80	155.50	2,295.8	-128.6	71.1	146.8	2.84	2.66	-6.70	
2,396.0	12.00	161.30	2,387.2	-144.9	77.5	164.3	2.64	2.37	6.24	
2,490.0	13.70	158.80	2,478.8	-164.6	84.7	185.1	1.90	1.81	-2.66	
2,583.0	13.70	156.70	2,569.2	-184.9	93.0	207.0	0.53	0.00	-2.26	
2,677.0	14.90	153.20	2,660.2	-206.0	102.8	230.2	1.57	1.28	-3.72	
2,771.0	15.80	155.50	2,750.9	-228.4	113.6	255.1	1.16	0.96	2.45	
2,865.0	15.40	154.70	2,841.4	-251.3	124.2	280.4	0.48	-0.43	-0.85	
2,958.0	15.70	151.60	2,931.0	-273.6	135.5	305.3	0.95	0.32	-3.33	
3,052.0	16.40	157.70	3,021.4	-297.0	146.6	331.2	1.94	0.74	6.49	
3,146.0	14.20	156.70	3,112.0	-319.9	156.2	356.0	2.36	-2.34	-1.06	
3,239.0	15.40	159.80	3,201.9	-342.0	165.0	379.6	1.55	1.29	3.33	
3,333.0	16.20	159.80	3,292.4	-366.0	173.8	405.1	0.85	0.85	0.00	
3,427.0	14.70	156.20	3,383.0	-389.2	183.1	430.0	1.89	-1.60	-3.83	
3,521.0	13.50	154.70	3,474.2	-410.0	192.6	452.9	1.33	-1.28	-1.60	
3,615.0	14.30	152.80	3,565.4	-430.3	202.6	475.5	0.98	0.85	-2.02	
3,709.0	15.00	149.70	3,656.4	-451.1	214.1	499.2	1.12	0.74	-3.30	
3,802.0	14.30	149.50	3,746.3	-471.4	226.0	522.7	0.75	-0.75	-0.22	
3,896.0	15.30	150.40	3,837.2	-492.2	238.0	546.6	1.09	1.06	0.96	
3,989.0	17.30	157.40	3,926.5	-515.6	249.4	572.7	3.01	2.15	7.53	
4,083.0	17.30	157.20	4,016.2	-541.4	260.2	600.6	0.06	0.00	-0.21	
4,177.0	19.20	154.60	4,105.5	-568.3	272.2	630.0	2.20	2.02	-2.77	
4,270.0	19.30	155.50	4,193.3	-596.1	285.2	660.6	0.34	0.11	0.97	
4,364.0	17.90	156.00	4,282.4	-623.4	297.5	690.6	1.50	-1.49	0.53	
4,458.0	19.60	152.30	4,371.4	-650.5	310.7	720.8	2.21	1.81	-3.94	
4,551.0	19.90	153.00	4,458.9	-678.5	325.1	752.2	0.41	0.32	0.75	
4,645.0	20.60	155.10	4,547.1	-707.7	339.3	784.7	1.07	0.74	2.23	
4,740.0	20.60	157.90	4,636.0	-738.4	352.7	818.1	1.04	0.00	2.95	
4,833.0	21.50	156.90	4,722.8	-769.2	365.5	851.4	1.04	0.97	-1.08	
4,927.0	19.80	154.70	4,810.8	-799.4	379.1	884.5	1.99	-1.81	-2.34	
5,021.0	19.80	152.30	4,899.2	-827.9	393.3	916.4	0.86	0.00	-2.55	
5,115.0	19.40	153.00	4,987.8	-855.9	407.8	947.9	0.49	-0.43	0.74	
5,208.0	19.60	153.70	5,075.5	-883.7	421.7	978.9	0.33	0.22	0.75	
5,302.0	18.90	154.00	5,164.2	-911.5	435.3	1,009.9	0.75	-0.74	0.32	
5,396.0	17.60	152.60	5,253.5	-937.8	448.6	1,039.4	1.46	-1.38	-1.49	
5,490.0	17.20	150.90	5,343.2	-962.6	461.9	1,067.5	0.69	-0.43	-1.81	
5,584.0	18.00	150.90	5,432.8	-987.4	475.7	1,095.9	0.85	0.85	0.00	
5,678.0	16.30	151.90	5,522.6	-1,011.7	489.0	1,123.6	1.84	-1.81	1.06	
5,772.0	17.50	156.70	5,612.5	-1,036.3	500.8	1,150.9	1.96	1.28	5.11	
5,865.0	16.40	157.90	5,701.5	-1,061.3	511.2	1,177.9	1.24	-1.18	1.29	
5,959.0	15.80	162.80	5,791.8	-1,085.9	520.0	1,203.8	1.58	-0.64	5.21	
6,053.0	13.80	160.20	5,882.7	-1,108.6	527.6	1,227.5	2.24	-2.13	-2.77	
6,147.0	12.00	155.80	5,974.3	-1,128.1	535.4	1,248.4	2.18	-1.91	-4.68	
6,241.0	9.60	147.90	6,066.6	-1,143.7	543.6	1,266.0	2.99	-2.55	-8.40	
6,335.0	7.80	144.20	6,159.6	-1,155.5	551.5	1,280.1	2.00	-1.91	-3.94	
6,428.0	5.80	144.70	6,251.9	-1,164.4	557.9	1,291.0	2.15	-2.15	0.54	
6,521.0	4.20	147.50	6,344.5	-1,171.1	562.4	1,299.0	1.74	-1.72	3.01	

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Design:	Wellbore #1	Database:	Landmark

Survey										
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6,615.0	3.20	150.50	6,438.3	-1,176.3	565.6	1,305.0	1.08	-1.06	3.19	
6,708.0	2.30	149.70	6,531.2	-1,180.2	567.8	1,309.5	0.97	-0.97	-0.86	
6,803.0	1.70	147.70	6,626.2	-1,183.0	569.5	1,312.8	0.64	-0.63	-2.11	
6,875.3	1.24	146.88	6,698.5	-1,184.6	570.5	1,314.6	0.64	-0.64	-1.13	
TARGET BOX 400' X 400' 1982'FNL, 688'FEL										
6,897.0	1.10	146.50	6,720.1	-1,185.0	570.7	1,315.1	0.64	-0.64	-1.75	
6,990.0	1.10	162.50	6,813.1	-1,186.6	571.5	1,316.8	0.33	0.00	17.20	
7,084.0	0.90	152.80	6,907.1	-1,188.1	572.1	1,318.5	0.28	-0.21	-10.32	
7,178.0	0.60	173.60	7,001.1	-1,189.2	572.5	1,319.7	0.43	-0.32	22.13	
7,272.0	0.40	146.10	7,095.1	-1,190.0	572.7	1,320.5	0.33	-0.21	-29.26	
7,365.0	0.60	158.80	7,188.1	-1,190.7	573.1	1,321.3	0.24	0.22	13.66	
7,459.0	0.80	146.80	7,282.1	-1,191.7	573.6	1,322.4	0.26	0.21	-12.77	
7,591.0	0.80	156.20	7,414.1	-1,193.3	574.5	1,324.2	0.10	0.00	7.12	
7,635.0	0.80	156.20	7,458.1	-1,193.9	574.8	1,324.9	0.00	0.00	0.00	
DRILL TARGET BHL 2165'FNL, 514'FEL										

Checked By: _____ Approved By: _____ Date: _____