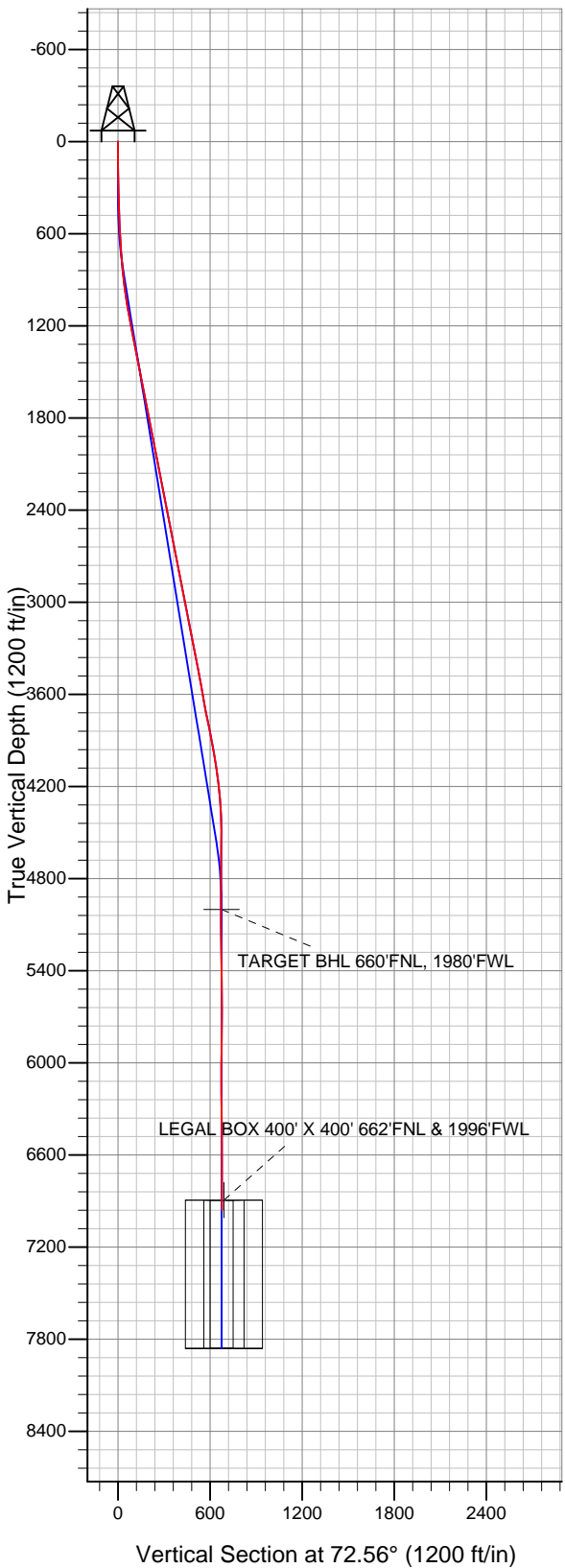


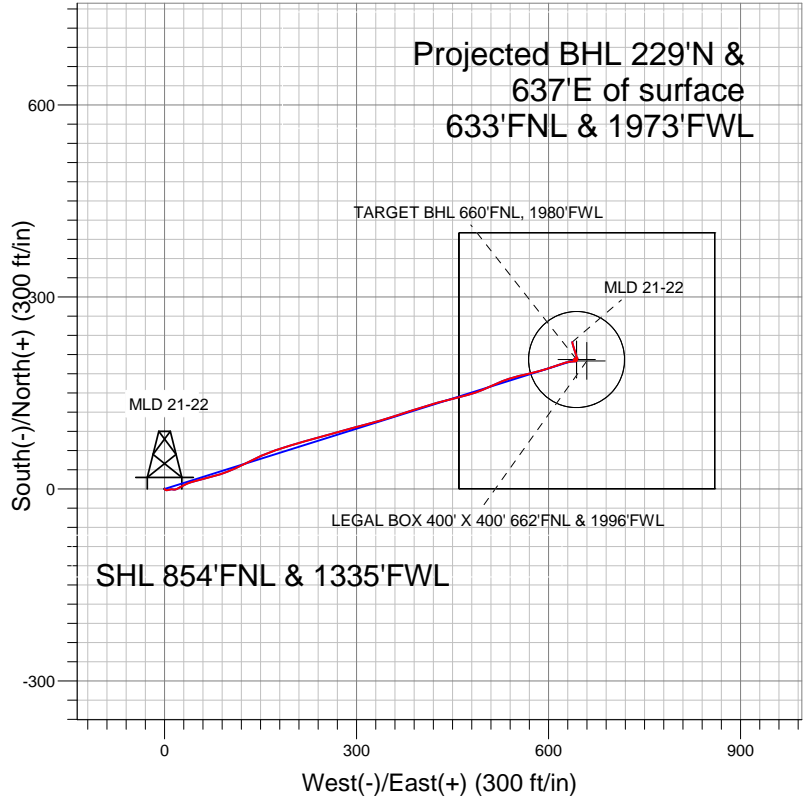


Well Name: MLD 21-22

Surface Location: MLD 5 Pad Sec.22-T4N-R68W
North American Datum 1983 US State Plane 1983 Colorado Northern Zone
Ground Elevation: 4877.0
+N/-S +E/-W Northing Easting Latitude Longitude Slot
0.0 0.0 1353938.34 3141112.78 40.303856 -104.994045
Original Well Elev WELL @ 4890.0ft (Original Well Elev)



Sundance Energy, Weld County, CO



LEGEND

- MLD 21-22, Wellbore #1, Plan #3 (9-20-12) V0
- Wellbore #1
- Survey #1

Final Survey Plot

Projected Final Survey -
7018' MD & 6957' TVD @ 676' VS
4.3 deg Inc 344.7 deg AZ

Project: SEC.22-T4N-R68W
Site: MLD 5 Pad Sec.22-T4N-R68W
Well: MLD 21-22
Plan: Wellbore #1



Sundance Energy, Weld County, CO

SEC.22-T4N-R68W

MLD 5 Pad Sec.22-T4N-R68W

MLD 21-22

Wellbore #1

Survey: Survey #1

Standard Survey Report

16 November, 2012

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
95.0	0.10	161.70	95.0	-0.1	0.0	0.0	0.11	0.11	0.00
218.0	1.10	139.70	218.0	-1.1	0.8	0.5	0.82	0.81	-17.89
340.0	1.50	92.60	340.0	-2.0	3.2	2.4	0.90	0.33	-38.61
460.0	2.60	70.80	459.9	-1.2	7.3	6.6	1.11	0.92	-18.17
536.0	2.60	90.00	535.8	-0.7	10.7	10.0	1.14	0.00	25.26
610.0	2.70	99.10	609.7	-0.9	14.1	13.1	0.58	0.14	12.30
735.0	4.40	60.80	734.5	0.9	21.2	20.5	2.26	1.36	-30.64
860.0	6.30	62.10	859.0	6.5	31.4	31.9	1.52	1.52	1.04
984.0	7.90	75.20	982.0	11.9	45.7	47.1	1.83	1.29	10.56
1,109.0	10.60	75.10	1,105.4	17.0	65.1	67.2	2.16	2.16	-0.08
1,234.0	10.50	73.10	1,228.3	23.3	87.1	90.1	0.30	-0.08	-1.60
1,359.0	11.10	65.40	1,351.0	31.6	108.9	113.4	1.25	0.48	-6.16

Company:	Sundance Energy, Weld County, CO	Local Co-ordinate Reference:	Well MLD 21-22
Project:	SEC.22-T4N-R68W	TVD Reference:	WELL @ 4890.0ft (Original Well Elev)
Site:	MLD 5 Pad Sec.22-T4N-R68W	MD Reference:	WELL @ 4890.0ft (Original Well Elev)
Well:	MLD 21-22	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)
1,483.0	10.90	63.60	1,472.8	41.8	130.3	136.8	0.32	-0.16	-1.45
1,608.0	10.80	65.60	1,595.5	51.9	151.5	160.1	0.31	-0.08	1.60
1,733.0	11.00	70.50	1,718.3	60.7	173.4	183.7	0.76	0.16	3.92
1,858.0	11.00	74.50	1,841.0	67.9	196.2	207.5	0.61	0.00	3.20
1,982.0	12.00	73.70	1,962.5	74.6	219.9	232.2	0.82	0.81	-0.65
2,107.0	11.40	74.90	2,084.9	81.5	244.3	257.5	0.52	-0.48	0.96
2,232.0	11.10	73.80	2,207.5	88.1	267.8	281.9	0.30	-0.24	-0.88
2,357.0	11.40	75.90	2,330.1	94.4	291.4	306.3	0.41	0.24	1.68
2,481.0	11.10	73.70	2,451.7	100.8	314.7	330.4	0.42	-0.24	-1.77
2,606.0	10.90	74.90	2,574.4	107.2	337.7	354.3	0.24	-0.16	0.96
2,731.0	10.70	71.50	2,697.2	114.0	360.1	377.7	0.53	-0.16	-2.72
2,856.0	10.70	72.80	2,820.0	121.1	382.2	400.9	0.19	0.00	1.04
2,980.0	10.70	71.50	2,941.9	128.2	404.1	423.9	0.19	0.00	-1.05
3,105.0	10.60	75.20	3,064.7	134.8	426.2	447.0	0.55	-0.08	2.96
3,230.0	11.90	76.10	3,187.3	140.8	449.8	471.4	1.05	1.04	0.72
3,355.0	11.10	74.50	3,309.8	147.1	473.9	496.2	0.69	-0.64	-1.28
3,480.0	11.00	67.90	3,432.5	154.8	496.6	520.2	1.01	-0.08	-5.28
3,604.0	10.50	64.70	3,554.3	164.1	517.8	543.1	0.63	-0.40	-2.58
3,729.0	10.00	73.00	3,677.3	172.1	538.4	565.3	1.25	-0.40	6.64
3,854.0	12.10	76.80	3,800.0	178.3	561.6	589.2	1.78	1.68	3.04
3,979.0	10.70	75.10	3,922.5	184.3	585.5	613.9	1.15	-1.12	-1.36
4,103.0	9.00	70.80	4,044.7	190.4	605.8	635.1	1.49	-1.37	-3.47
4,228.0	6.90	71.70	4,168.5	196.0	622.2	652.3	1.68	-1.68	0.72
4,353.0	4.90	84.90	4,292.8	198.8	634.6	665.1	1.92	-1.60	10.56
4,478.0	1.50	88.20	4,417.6	199.4	641.6	671.9	2.72	-2.72	2.64
4,602.0	0.70	303.00	4,541.6	199.8	642.6	672.9	1.70	-0.65	-117.10
4,727.0	0.30	276.50	4,666.6	200.3	641.6	672.2	0.36	-0.32	-21.20
4,852.0	0.60	270.20	4,791.6	200.3	640.6	671.2	0.24	0.24	-5.04
4,977.0	0.60	29.00	4,916.6	200.9	640.3	671.1	0.83	0.00	95.04
5,060.4	0.07	1.62	5,000.0	201.3	640.5	671.4	0.64	-0.63	-32.82
TARGET BHL 660'FNL, 1980'FWL									
5,101.0	0.20	223.80	5,040.6	201.3	640.5	671.4	0.64	0.31	-339.52
5,226.0	1.00	303.80	5,165.6	201.8	639.4	670.5	0.79	0.64	64.00
5,351.0	1.60	78.60	5,290.6	202.7	640.2	671.5	1.93	0.48	107.84
5,476.0	1.10	38.00	5,415.5	204.0	642.7	674.3	0.84	-0.40	-32.48
5,600.0	1.00	112.00	5,539.5	204.5	644.4	676.1	1.02	-0.08	59.68
5,725.0	0.20	270.70	5,664.5	204.1	645.2	676.7	0.95	-0.64	126.96
5,850.0	1.00	309.70	5,789.5	204.8	644.1	675.9	0.68	0.64	31.20
5,975.0	1.60	226.80	5,914.5	204.3	642.0	673.8	1.42	0.48	-66.32
6,099.0	0.30	107.10	6,038.5	203.1	641.1	672.5	1.43	-1.05	-96.53
6,224.0	1.10	163.50	6,163.5	201.8	641.7	672.7	0.77	0.64	45.12
6,349.0	1.20	101.30	6,288.4	200.4	643.4	673.8	0.95	0.08	-49.76
6,474.0	1.70	359.10	6,413.4	202.0	644.6	675.5	1.82	0.40	-81.76
6,599.0	2.50	341.40	6,538.3	206.4	643.7	676.0	0.82	0.64	-14.16
6,723.0	2.80	344.40	6,662.2	211.9	642.0	676.0	0.27	0.24	2.42
6,848.0	3.30	342.20	6,787.0	218.3	640.1	676.1	0.41	0.40	-1.76
6,953.3	4.14	344.39	6,892.1	224.8	638.2	676.2	0.81	0.80	2.08
LEGAL BOX 400' X 400' 662'FNL & 1996'FWL									
6,953.6	4.14	344.39	6,892.5	224.9	638.2	676.2	0.81	0.80	1.65
TARGET CIRCLE 660'FNL & 1980'FWL									
6,973.0	4.30	344.70	6,911.8	226.2	637.8	676.3	0.81	0.80	1.59
7,018.0	4.30	344.70	6,956.6	229.5	636.9	676.4	0.00	0.00	0.00

Company: Sundance Energy, Weld County, CO
Project: SEC.22-T4N-R68W
Site: MLD 5 Pad Sec.22-T4N-R68W
Well: MLD 21-22
Wellbore: Wellbore #1
Design: Wellbore #1

Local Co-ordinate Reference: Well MLD 21-22
TVD Reference: WELL @ 4890.0ft (Original Well Elev)
MD Reference: WELL @ 4890.0ft (Original Well Elev)
North Reference: True
Survey Calculation Method: Minimum Curvature
Database: Landmark

Checked By: _____ Approved By: _____ Date: _____