

Unit Petroleum
Hubbard 1-H Rev. #3
Lincoln County, CO



**DIRECTIONAL
DRILLING SERVICES**

Page: 1

Minimum of Curvature
Slot Location: 660.00', 660.00'
Plane of Vertical Section: 0.00°

Measured Depth Feet	BORE Inc Degrees	HOLE Direction Degrees	True Vertical Depth Feet	RECTANGULAR COORDINATES		RECTANGULAR COORDINATES		Vertical Section Feet	CLOSURES		Dogleg Severity Deg/100'
				North(-South) Feet	East(-West) Feet	FSL Feet	FWL Feet		Distance Feet	Direction Deg	
6758.80	0.00	0.00	6758.80	0.00	0.00	660.00	660.00	0.00	0.00	0.00	0.00
KOP-Start Curve											
6788.80	2.40	0.00	6788.79	0.63	0.00	660.63	660.00	0.63	0.63	0.00	8.00
6818.80	4.80	0.00	6818.73	2.51	0.00	662.51	660.00	2.51	2.51	0.00	8.00
6848.80	7.20	0.00	6848.57	5.65	0.00	665.65	660.00	5.65	5.65	0.00	8.00
6878.80	9.60	0.00	6878.24	10.03	0.00	670.03	660.00	10.03	10.03	0.00	8.00
6908.80	12.00	0.00	6907.71	15.65	0.00	675.65	660.00	15.65	15.65	0.00	8.00
6938.80	14.40	0.00	6936.91	22.50	0.00	682.50	660.00	22.50	22.50	0.00	8.00
6968.80	16.80	0.00	6965.81	30.57	0.00	690.57	660.00	30.57	30.57	0.00	8.00
6998.80	19.20	0.00	6994.34	39.84	0.00	699.84	660.00	39.84	39.84	0.00	8.00
7028.80	21.60	0.00	7022.45	50.29	0.00	710.29	660.00	50.29	50.29	0.00	8.00
7058.80	24.00	0.00	7050.11	61.92	0.00	721.92	660.00	61.92	61.92	0.00	8.00
7088.80	26.40	0.00	7077.25	74.69	0.00	734.69	660.00	74.69	74.69	0.00	8.00
7118.80	28.80	0.00	7103.83	88.59	0.00	748.59	660.00	88.59	88.59	0.00	8.00
7148.80	31.20	0.00	7129.81	103.59	0.00	763.59	660.00	103.59	103.59	0.00	8.00
7178.80	33.60	0.00	7155.14	119.66	0.00	779.66	660.00	119.66	119.66	0.00	8.00
7208.80	36.00	0.00	7179.77	136.78	0.00	796.78	660.00	136.78	136.78	0.00	8.00
7238.80	38.40	0.00	7203.67	154.92	0.00	814.92	660.00	154.92	154.92	0.00	8.00
7268.80	40.80	0.00	7226.78	174.04	0.00	834.04	660.00	174.04	174.04	0.00	8.00
7298.80	43.20	0.00	7249.07	194.11	0.00	854.11	660.00	194.11	194.11	0.00	8.00
7328.80	45.60	0.00	7270.51	215.10	0.00	875.10	660.00	215.10	215.10	0.00	8.00
7358.80	48.00	0.00	7291.04	236.97	0.00	896.97	660.00	236.97	236.97	0.00	8.00
7388.80	50.40	0.00	7310.64	259.68	0.00	919.68	660.00	259.68	259.68	0.00	8.00
7418.80	52.80	0.00	7329.28	283.19	0.00	943.19	660.00	283.19	283.19	0.00	8.00
7448.80	55.20	0.00	7346.91	307.45	0.00	967.45	660.00	307.45	307.45	0.00	8.00
7478.80	57.60	0.00	7363.51	332.44	0.00	992.44	660.00	332.44	332.44	0.00	8.00
7508.80	60.00	0.00	7379.05	358.10	0.00	1018.10	660.00	358.10	358.10	0.00	8.00

Unit Petroleum
Hubbard 1-H Rev. #3
Lincoln County, CO



**DIRECTIONAL
DRILLING SERVICES**

Page: 2

Minimum of Curvature
Slot Location: 660.00', 660.00'
Plane of Vertical Section: 0.00°

Measured Depth Feet	B O R E Inc Degrees	H O L E Direction Degrees	True Vertical Depth Feet	RECTANGULAR COORDINATES		RECTANGULAR COORDINATES		Vertical Section Feet	C L O S U R E S		Dogleg Severity Deg/100'
				North(-South) Feet	East(-West) Feet	FSL Feet	FWL Feet		Distance Feet	Direction Deg	
7538.80	62.40	0.00	7393.50	384.39	0.00	1044.39	660.00	384.39	384.39	0.00	8.00
7568.80	64.80	0.00	7406.84	411.26	0.00	1071.26	660.00	411.26	411.26	0.00	8.00
7598.80	67.20	0.00	7419.04	438.66	0.00	1098.66	660.00	438.66	438.66	0.00	8.00
7628.80	69.60	0.00	7430.08	466.55	0.00	1126.55	660.00	466.55	466.55	0.00	8.00
7658.80	72.00	0.00	7439.95	494.88	0.00	1154.88	660.00	494.88	494.88	0.00	8.00
7688.80	74.40	0.00	7448.62	523.60	0.00	1183.60	660.00	523.60	523.60	0.00	8.00
7718.80	76.80	0.00	7456.08	552.65	0.00	1212.65	660.00	552.65	552.65	0.00	8.00
7748.80	79.20	0.00	7462.31	582.00	0.00	1242.00	660.00	582.00	582.00	0.00	8.00
7778.80	81.60	0.00	7467.32	611.57	0.00	1271.57	660.00	611.57	611.57	0.00	8.00
7808.80	84.00	0.00	7471.08	641.33	0.00	1301.33	660.00	641.33	641.33	0.00	8.00
7838.80	86.40	0.00	7473.59	671.23	0.00	1331.23	660.00	671.23	671.23	0.00	8.00
7868.80	88.80	0.00	7474.84	701.20	0.00	1361.20	660.00	701.20	701.20	0.00	8.00
7883.80	90.00	0.00	7475.00	716.20	0.00	1376.20	660.00	716.20	716.20	0.00	8.00
Landing / Start Reach											
8383.80	90.00	0.00	7475.00	1216.20	0.00	1876.20	660.00	1216.20	1216.20	0.00	0.00
8883.80	90.00	0.00	7475.00	1716.20	0.00	2376.20	660.00	1716.20	1716.20	0.00	0.00
9383.80	90.00	0.00	7475.00	2216.20	0.00	2876.20	660.00	2216.20	2216.20	0.00	0.00
9883.80	90.00	0.00	7475.00	2716.20	0.00	3376.20	660.00	2716.20	2716.20	0.00	0.00
10383.80	90.00	0.00	7475.00	3216.20	0.00	3876.20	660.00	3216.20	3216.20	0.00	0.00
10883.80	90.00	0.00	7475.00	3716.20	0.00	4376.20	660.00	3716.20	3716.20	0.00	0.00
11127.61	90.00	0.00	7475.00	3960.00	0.00	4620.00	660.00	3960.00	3960.00	0.00	0.00

Proposed Terminus

Final Station Closure Distance: 3960.00' Direction: 0.00°