

Endurance Resources LLC

Lea County, NM (NAD 83)

Telecaster 30 Fed

Telecaster 30 Fed #1H

Wellbore #1

Plan: Plan #1

Sperry Drilling Services

Proposal Report

25 June, 2014

Well Coordinates: 467,271.64 N, 794,217.34 E (32° 16' 55.03" N, 103° 30' 54.21" W)

Ground Level: 3,617.30 usft

Local Coordinate Origin:

Centered on Well Telecaster 30 Fed #1H

Viewing Datum:

GL 3617.3' + 22.5' KBE @ 3639.80usft (Patriot 4)

TVDs to System:

N

North Reference:

Grid

Unit System:

API - US Survey Feet

Version: 5000.1 Build: 65

HALLIBURTON

JAN 14 2016 JAN 12 2016

HALLIBURTON**Plan Report for Telecaster 30 Fed #1H - Plan #1**

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	Toolface Azimuth (°)
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100.00	0.00	0.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
200.00	0.00	0.00	200.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
300.00	0.00	0.00	300.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
400.00	0.00	0.00	400.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
500.00	0.00	0.00	500.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
600.00	0.00	0.00	600.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
700.00	0.00	0.00	700.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
800.00	0.00	0.00	800.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
900.00	0.00	0.00	900.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1,000.00	0.00	0.00	1,000.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1,100.00	0.00	0.00	1,100.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1,200.00	0.00	0.00	1,200.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1,300.00	0.00	0.00	1,300.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1,400.00	0.00	0.00	1,400.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1,500.00	0.00	0.00	1,500.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1,600.00	0.00	0.00	1,600.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1,700.00	0.00	0.00	1,700.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1,800.00	0.00	0.00	1,800.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1,900.00	0.00	0.00	1,900.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,000.00	0.00	0.00	2,000.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,100.00	0.00	0.00	2,100.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,200.00	0.00	0.00	2,200.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,300.00	0.00	0.00	2,300.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,400.00	0.00	0.00	2,400.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,500.00	0.00	0.00	2,500.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,600.00	0.00	0.00	2,600.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,700.00	0.00	0.00	2,700.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,800.00	0.00	0.00	2,800.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,900.00	0.00	0.00	2,900.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3,000.00	0.00	0.00	3,000.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3,100.00	0.00	0.00	3,100.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3,200.00	0.00	0.00	3,200.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3,300.00	0.00	0.00	3,300.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3,400.00	0.00	0.00	3,400.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3,500.00	0.00	0.00	3,500.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3,600.00	0.00	0.00	3,600.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3,700.00	0.00	0.00	3,700.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3,800.00	0.00	0.00	3,800.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3,900.00	0.00	0.00	3,900.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4,000.00	0.00	0.00	4,000.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4,100.00	0.00	0.00	4,100.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4,200.00	0.00	0.00	4,200.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4,300.00	0.00	0.00	4,300.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4,400.00	0.00	0.00	4,400.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4,500.00	0.00	0.00	4,500.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4,600.00	0.00	0.00	4,600.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4,700.00	0.00	0.00	4,700.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4,800.00	0.00	0.00	4,800.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4,900.00	0.00	0.00	4,900.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5,000.00	0.00	0.00	5,000.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5,100.00	0.00	0.00	5,100.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5,200.00	0.00	0.00	5,200.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5,300.00	0.00	0.00	5,300.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5,400.00	0.00	0.00	5,400.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5,500.00	0.00	0.00	5,500.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5,600.00	0.00	0.00	5,600.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5,700.00	0.00	0.00	5,700.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5,800.00	0.00	0.00	5,800.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Plan Report for Telecaster 30 Fed #1H - Plan #1

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	Toolface Azimuth (°)
5,900.00	0.00	0.00	5,900.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6,000.00	0.00	0.00	6,000.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6,100.00	0.00	0.00	6,100.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6,200.00	0.00	0.00	6,200.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6,300.00	0.00	0.00	6,300.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6,400.00	0.00	0.00	6,400.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6,500.00	0.00	0.00	6,500.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6,600.00	0.00	0.00	6,600.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6,700.00	0.00	0.00	6,700.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6,800.00	0.00	0.00	6,800.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6,900.00	0.00	0.00	6,900.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7,000.00	0.00	0.00	7,000.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7,100.00	0.00	0.00	7,100.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7,200.00	0.00	0.00	7,200.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7,300.00	0.00	0.00	7,300.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7,400.00	0.00	0.00	7,400.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7,500.00	0.00	0.00	7,500.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7,600.00	0.00	0.00	7,600.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7,700.00	0.00	0.00	7,700.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7,800.00	0.00	0.00	7,800.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7,900.00	0.00	0.00	7,900.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8,000.00	0.00	0.00	8,000.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8,100.00	0.00	0.00	8,100.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8,200.00	0.00	0.00	8,200.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8,300.00	0.00	0.00	8,300.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8,400.00	0.00	0.00	8,400.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8,500.00	0.00	0.00	8,500.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8,600.00	0.00	0.00	8,600.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8,700.00	0.00	0.00	8,700.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8,800.00	0.00	0.00	8,800.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8,900.00	0.00	0.00	8,900.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9,000.00	0.00	0.00	9,000.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9,100.00	0.00	0.00	9,100.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9,200.00	0.00	0.00	9,200.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9,300.00	0.00	0.00	9,300.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9,400.00	0.00	0.00	9,400.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9,500.00	0.00	0.00	9,500.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9,600.00	0.00	0.00	9,600.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9,700.00	0.00	0.00	9,700.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9,800.00	0.00	0.00	9,800.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9,900.00	0.00	0.00	9,900.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9,927.00	0.00	0.00	9,927.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9927'MD: KOP - Begin Curve & Lateral - Build Rate 10°/100'MD										
10,000.00	7.30	180.83	9,999.80	-4.64	-0.07	4.64	10.00	10.00	0.00	180.83
10,100.00	17.30	180.83	10,097.38	-25.92	-0.37	25.92	10.00	10.00	0.00	0.00
10,200.00	27.30	180.83	10,189.79	-63.81	-0.92	63.82	10.00	10.00	0.00	0.00
10,300.00	37.30	180.83	10,274.21	-117.17	-1.69	117.19	10.00	10.00	0.00	0.00
10,400.00	47.30	180.83	10,348.08	-184.38	-2.67	184.40	10.00	10.00	0.00	0.00
10,500.00	57.30	180.83	10,409.15	-263.40	-3.81	263.42	10.00	10.00	0.00	0.00
10,600.00	67.30	180.83	10,455.58	-351.81	-5.09	351.85	10.00	10.00	0.00	0.00
10,700.00	77.30	180.83	10,485.94	-446.95	-6.46	447.00	10.00	10.00	0.00	0.00
10,800.00	87.30	180.83	10,499.32	-545.91	-7.89	545.97	10.00	10.00	0.00	0.00
10,826.99	90.00	180.83	10,499.96	-572.89	-8.28	572.95	10.00	10.00	0.00	0.00
Hold 90° Incl. on Azm. 180.83° - 10827'MD: End of Build w/90° Incl.										
10,900.00	90.00	180.83	10,499.96	-645.89	-9.34	645.96	0.00	0.00	0.00	0.00
11,000.00	90.00	180.83	10,499.96	-745.88	-10.78	745.96	0.00	0.00	0.00	0.00
11,100.00	90.00	180.83	10,499.96	-845.87	-12.23	845.96	0.00	0.00	0.00	0.00
11,200.00	90.00	180.83	10,499.96	-945.86	-13.68	945.96	0.00	0.00	0.00	0.00
11,300.00	90.00	180.83	10,499.96	-1,045.85	-15.12	1,045.96	0.00	0.00	0.00	0.00

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Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	Toolface Azimuth (°)
11,400.00	90.00	180.83	10,499.96	-1,145.84	-16.57	1,145.96	0.00	0.00	0.00	0.00
11,500.00	90.00	180.83	10,499.96	-1,245.83	-18.01	1,245.96	0.00	0.00	0.00	0.00
11,600.00	90.00	180.83	10,499.97	-1,345.82	-19.46	1,345.96	0.00	0.00	0.00	0.00
11,700.00	90.00	180.83	10,499.97	-1,445.81	-20.90	1,445.96	0.00	0.00	0.00	0.00
11,800.00	90.00	180.83	10,499.97	-1,545.80	-22.35	1,545.96	0.00	0.00	0.00	0.00
11,900.00	90.00	180.83	10,499.97	-1,645.79	-23.80	1,645.96	0.00	0.00	0.00	0.00
12,000.00	90.00	180.83	10,499.97	-1,745.78	-25.24	1,745.96	0.00	0.00	0.00	0.00
12,100.00	90.00	180.83	10,499.97	-1,845.76	-26.69	1,845.96	0.00	0.00	0.00	0.00
12,200.00	90.00	180.83	10,499.97	-1,945.75	-28.13	1,945.96	0.00	0.00	0.00	0.00
12,300.00	90.00	180.83	10,499.97	-2,045.74	-29.58	2,045.96	0.00	0.00	0.00	0.00
12,400.00	90.00	180.83	10,499.97	-2,145.73	-31.02	2,145.96	0.00	0.00	0.00	0.00
12,500.00	90.00	180.83	10,499.98	-2,245.72	-32.47	2,245.96	0.00	0.00	0.00	0.00
12,600.00	90.00	180.83	10,499.98	-2,345.71	-33.92	2,345.96	0.00	0.00	0.00	0.00
12,700.00	90.00	180.83	10,499.98	-2,445.70	-35.36	2,445.96	0.00	0.00	0.00	0.00
12,800.00	90.00	180.83	10,499.98	-2,545.69	-36.81	2,545.96	0.00	0.00	0.00	0.00
12,900.00	90.00	180.83	10,499.98	-2,645.68	-38.25	2,645.96	0.00	0.00	0.00	0.00
13,000.00	90.00	180.83	10,499.98	-2,745.67	-39.70	2,745.96	0.00	0.00	0.00	0.00
13,100.00	90.00	180.83	10,499.98	-2,845.66	-41.14	2,845.96	0.00	0.00	0.00	0.00
13,200.00	90.00	180.83	10,499.98	-2,945.65	-42.59	2,945.96	0.00	0.00	0.00	0.00
13,300.00	90.00	180.83	10,499.98	-3,045.64	-44.04	3,045.96	0.00	0.00	0.00	0.00
13,400.00	90.00	180.83	10,499.98	-3,145.63	-45.48	3,145.96	0.00	0.00	0.00	0.00
13,500.00	90.00	180.83	10,499.99	-3,245.62	-46.93	3,245.96	0.00	0.00	0.00	0.00
13,600.00	90.00	180.83	10,499.99	-3,345.61	-48.37	3,345.96	0.00	0.00	0.00	0.00
13,700.00	90.00	180.83	10,499.99	-3,445.60	-49.82	3,445.96	0.00	0.00	0.00	0.00
13,800.00	90.00	180.83	10,499.99	-3,545.59	-51.26	3,545.96	0.00	0.00	0.00	0.00
13,900.00	90.00	180.83	10,499.99	-3,645.58	-52.71	3,645.96	0.00	0.00	0.00	0.00
14,000.00	90.00	180.83	10,499.99	-3,745.57	-54.16	3,745.96	0.00	0.00	0.00	0.00
14,100.00	90.00	180.83	10,499.99	-3,845.56	-55.60	3,845.96	0.00	0.00	0.00	0.00
14,200.00	90.00	180.83	10,499.99	-3,945.55	-57.05	3,945.96	0.00	0.00	0.00	0.00
14,300.00	90.00	180.83	10,499.99	-4,045.53	-58.49	4,045.96	0.00	0.00	0.00	0.00
14,400.00	90.00	180.83	10,500.00	-4,145.52	-59.94	4,145.96	0.00	0.00	0.00	0.00
14,500.00	90.00	180.83	10,500.00	-4,245.51	-61.38	4,245.96	0.00	0.00	0.00	0.00
14,600.00	90.00	180.83	10,500.00	-4,345.50	-62.83	4,345.96	0.00	0.00	0.00	0.00
14,700.00	90.00	180.83	10,500.00	-4,445.49	-64.28	4,445.96	0.00	0.00	0.00	0.00
14,800.00	90.00	180.83	10,500.00	-4,545.48	-65.72	4,545.96	0.00	0.00	0.00	0.00
14,869.02	90.00	180.83	10,500.00	-4,614.50	-66.72	4,614.98	0.00	0.00	0.00	0.00

14869'MD: PBHL - Telecaster 30 Fed #1H PBHL

Plan Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
9,927.00	9,927.00	0.00	0.00	9927'MD: KOP - Begin Curve & Lateral
9,927.00	9,927.00	0.00	0.00	Build Rate 10°/100'MD
10,826.99	10,499.96	-572.89	-8.28	Hold 90° Incl. on Azm. 180.83°
10,826.99	10,499.96	-572.89	-8.28	10827'MD: End of Build w/90° Incl.
14,869.02	10,500.00	-4,614.50	-66.72	14869'MD: PBHL

Vertical Section Information

Angle Type	Target	Azimuth (°)	Origin Type	Origin		Start TVD (usft)
				+N/-S (usft)	+E/-W (usft)	
User	No Target (Freehand)	180.83	Slot	0.00	0.00	0.00

Plan Report for Telecaster 30 Fed #1H - Plan #1

Survey tool program

From (usft)	To (usft)	Survey/Plan	Survey Tool
0.00	14,869.02	Plan #1	MWD+SC

Targets associated with this wellbore

Target Name	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Shape
Telecaster 30 Fed #1H PBHL	10,500.00	-4,614.50	-66.72	Point

HALLIBURTON**North Reference Sheet for Telecaster 30 Fed - Telecaster 30 Fed #1H - Wellbore #1**

All data is in US Feet unless otherwise stated. Directions and Coordinates are relative to Grid North Reference.

Vertical Depths are relative to GL 3617.3' + 22.5' KBE @ 3639.80usft (Patriot 4). Northing and Easting are relative to Telecaster 30 Fed #1H

Coordinate System is US State Plane 1983, New Mexico Eastern Zone using datum North American Datum 1983, ellipsoid GRS 1980

Projection method is Transverse Mercator (Gauss-Kruger)

Central Meridian is -104.33°, Longitude Origin: 0° 0' 0.000 E°, Latitude Origin: 0° 0' 0.000 N°

False Easting: 541,337.50usft, False Northing: 0.00usft, Scale Reduction: 0.99998233

Grid Coordinates of Well: 467,271.64 usft N, 794,217.34 usft E

Geographical Coordinates of Well: 32° 16' 55.03" N, 103° 30' 54.21" W

Grid Convergence at Surface is: 0.44°

Based upon Minimum Curvature type calculations, at a Measured Depth of 14,869.02usft
the Bottom Hole Displacement is 4,614.98usft in the Direction of 180.83° (Grid).

Magnetic Convergence at surface is: -6.91° (25 June 2014, , BGGM2014)

