

Endurance Resources LLC

HALLIBURTON
Sperry Drilling Services

Project: Lea County, NM (NAD 83)
Site: Mustang 33 Federal
Well: Mustang 33 Federal #2H
Wellbore: Wellbore #1
Plan: Plan #2
Rig: Noram 23

SURFACE LOCATION

US State Plane 1983
New Mexico Eastern Zone
Elevation: GL 3200.3' + KB 29.0' @ 3229.30usft (Noram 23)
Northing 394160.72 Easting 838282.86
Latitude 32° 4' 48.000 N Longitude 103° 22' 28.540 W

HOBBS OCD



APR 18 2016

RECEIVED

WELLBORE TARGET DETAILS (MAP CO-ORDINATES AND LAT/LONG)

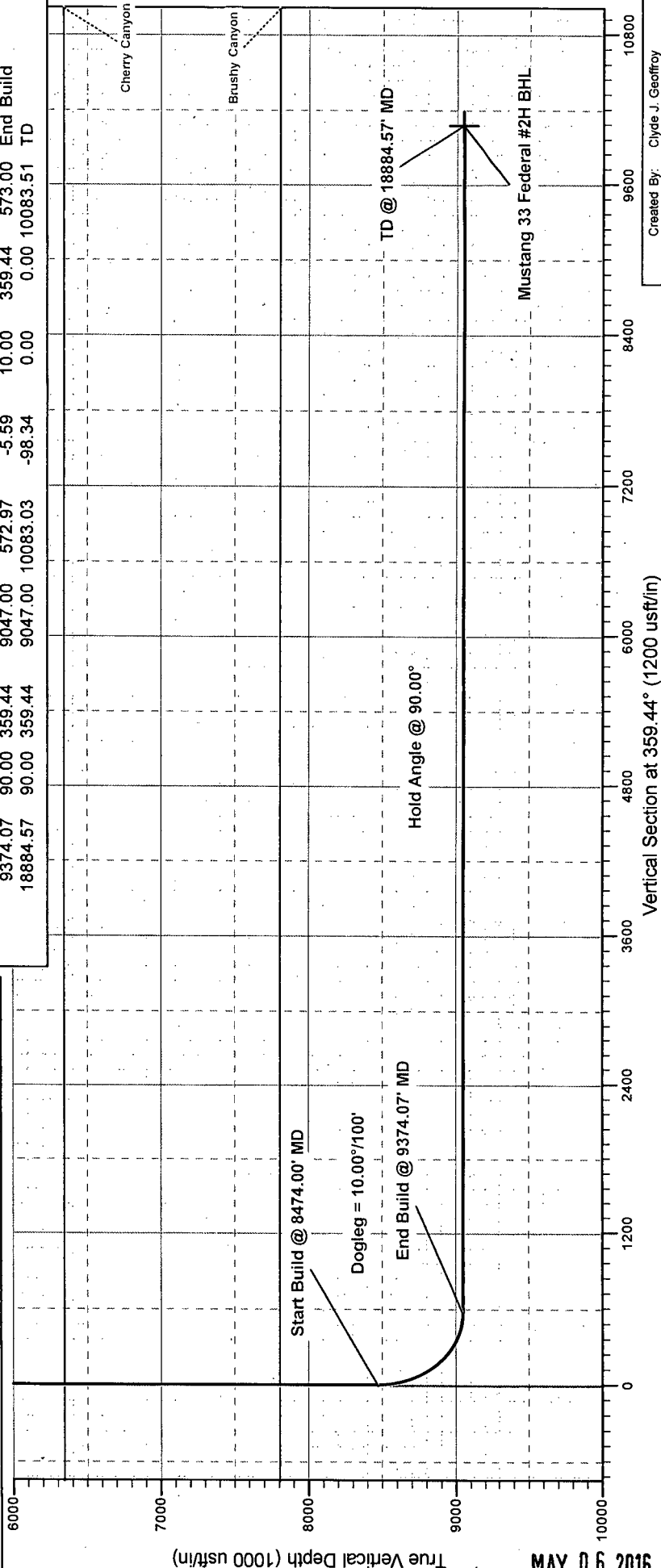
Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
Mustang 33 Federal #2H BHL	9047.00	10083.03	-98.34	404243.75	838184.52	32° 6' 27.779 N	103° 22' 28.641 W

SECTION DETAILS

To convert a Magnetic Direction to a Grid Direction, Add 6.58°

Magnetic Model: BGGM2015 Date: 25-Jan-16
Azimuths to Grid North

MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	Vsect	Annotation
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
8474.00	0.00	0.00	8474.00	0.00	0.00	0.00	0.00	0.00	Start Build
9374.07	90.00	359.44	9047.00	572.97	-5.59	10.00	359.44	573.00	End Build
18884.57	90.00	359.44	9047.00	10083.03	-98.34	0.00	0.00	10083.51	TD



MAY 9 2016

Endurance Resources LLC

HALLIBURTON

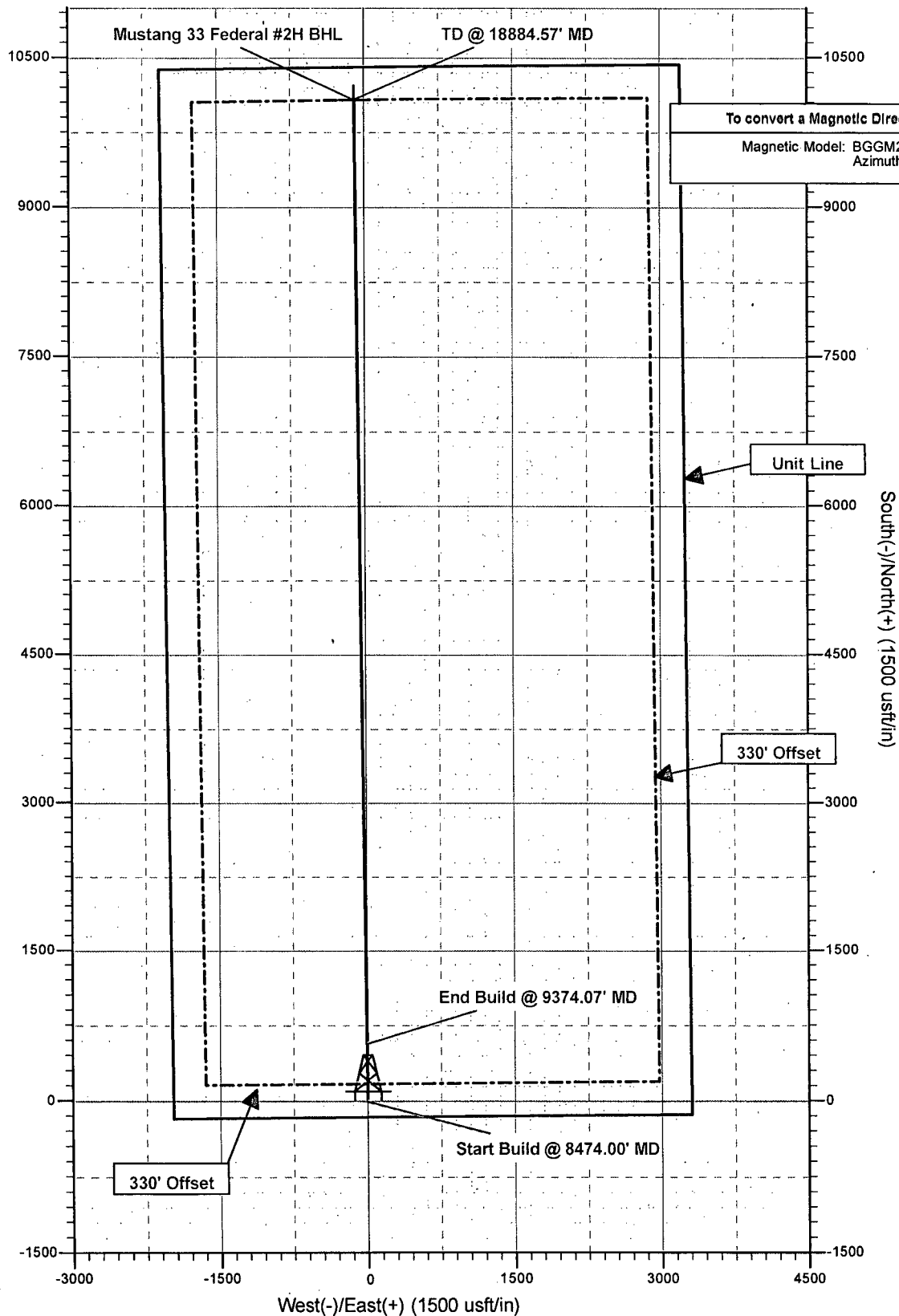
Sperry Drilling Services



Project: Lea County, NM (NAD 83)
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Wellbore: Wellbore #1
Plan: Plan #2
Rig: Noram 23

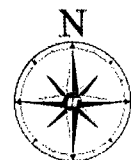
SURFACE LOCATION

US State Plane 1983
New Mexico Eastern Zone
Elevation: GL 3200.3' + KB 29.0' @ 3229.30usft (Noram 23)
Northing 394160.72 Easting 838282.86 Latitude 32° 4' 48.000 N Longitude 103° 22' 28.540 W



To convert a Magnetic Direction to a Grid Direction, Add 6.58°

Magnetic Model: BGGM2015 Date: 25-Jan-16
Azimuths to Grid North



Created By: Clyde J. Geoffroy

Endurance Resources LLC

Lea County, NM (NAD 83)

Mustang 33 Federal

Mustang 33 Federal #2H

Wellbore #1

Plan: Plan #2

Sperry Drilling Services Proposal Report

25 January, 2016

Well Coordinates: 394,160.72 N, 838,282.86 E (32° 04' 48.00" N, 103° 22' 28.54" W)

Ground Level: 3,200.30 usft

Local Coordinate Origin: Centered on Well Mustang 33 Federal #2H

Viewing Datum: GL 3200.3' + KB 29.0' @ 3229.30usft (Noram 23)

TVDs to System: N

North Reference: Grid

Unit System: API - US Survey Feet

Version: 5000.1 Build: 76

HALLIBURTON

HALLIBURTON**Plan Report for Mustang 33 Federal #2H - Plan #2**

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
987.00	0.00	0.00	987.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Rustler										
1,544.00	0.00	0.00	1,544.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Top of Salt										
5,260.00	0.00	0.00	5,260.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Lamar										
5,272.00	0.00	0.00	5,272.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Bell Canyon										
6,344.00	0.00	0.00	6,344.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Cherry Canyon										
7,807.00	0.00	0.00	7,807.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Brushy Canyon										
8,474.00	0.00	0.00	8,474.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Start Build @ 8474.00' MD - Dogleg = 10.00°/100'										
8,500.00	2.60	359.44	8,499.99	0.59	-0.01	0.59	10.00	10.00	0.00	359.44
8,600.00	12.60	359.44	8,598.99	13.80	-0.13	13.80	10.00	10.00	0.00	0.00
8,700.00	22.60	359.44	8,694.19	43.99	-0.43	43.99	10.00	10.00	0.00	0.00
8,800.00	32.60	359.44	8,782.70	90.26	-0.88	90.26	10.00	10.00	0.00	0.00
8,900.00	42.60	359.44	8,861.83	151.19	-1.47	151.20	10.00	10.00	0.00	0.00
9,000.00	52.60	359.44	8,929.18	224.93	-2.19	224.94	10.00	10.00	0.00	0.00
9,100.00	62.60	359.44	8,982.70	309.25	-3.02	309.26	10.00	10.00	0.00	0.00
9,200.00	72.59	359.44	9,020.76	401.58	-3.92	401.60	10.00	10.00	0.00	0.00
9,300.00	82.59	359.44	9,042.22	499.12	-4.87	499.14	10.00	10.00	0.00	0.00
9,374.07	90.00	359.44	9,047.00	572.98	-5.59	573.00	10.00	10.00	0.00	0.00
End Build @ 9374.07' MD - Hold Angle @ 90.00°										
9,400.00	90.00	359.44	9,047.00	598.91	-5.84	598.93	0.00	0.00	0.00	0.00
9,500.00	90.00	359.44	9,047.00	698.90	-6.82	698.93	0.00	0.00	0.00	0.00
9,600.00	90.00	359.44	9,047.00	798.90	-7.79	798.93	0.00	0.00	0.00	0.00
9,700.00	90.00	359.44	9,047.00	898.89	-8.77	898.93	0.00	0.00	0.00	0.00
9,800.00	90.00	359.44	9,047.00	998.89	-9.74	998.93	0.00	0.00	0.00	0.00
9,900.00	90.00	359.44	9,047.00	1,098.88	-10.72	1,098.93	0.00	0.00	0.00	0.00
10,000.00	90.00	359.44	9,047.00	1,198.88	-11.69	1,198.93	0.00	0.00	0.00	0.00
10,100.00	90.00	359.44	9,047.00	1,298.87	-12.67	1,298.93	0.00	0.00	0.00	0.00
10,200.00	90.00	359.44	9,047.00	1,398.87	-13.64	1,398.93	0.00	0.00	0.00	0.00
10,300.00	90.00	359.44	9,047.00	1,498.86	-14.62	1,498.93	0.00	0.00	0.00	0.00
10,400.00	90.00	359.44	9,047.00	1,598.86	-15.59	1,598.93	0.00	0.00	0.00	0.00
10,500.00	90.00	359.44	9,047.00	1,698.85	-16.57	1,698.93	0.00	0.00	0.00	0.00
10,600.00	90.00	359.44	9,047.00	1,798.85	-17.54	1,798.93	0.00	0.00	0.00	0.00
10,700.00	90.00	359.44	9,047.00	1,898.84	-18.52	1,898.93	0.00	0.00	0.00	0.00
10,800.00	90.00	359.44	9,047.00	1,998.84	-19.49	1,998.93	0.00	0.00	0.00	0.00
10,900.00	90.00	359.44	9,047.00	2,098.83	-20.47	2,098.93	0.00	0.00	0.00	0.00
11,000.00	90.00	359.44	9,047.00	2,198.83	-21.45	2,198.93	0.00	0.00	0.00	0.00
11,100.00	90.00	359.44	9,047.00	2,298.82	-22.42	2,298.93	0.00	0.00	0.00	0.00
11,200.00	90.00	359.44	9,047.00	2,398.82	-23.40	2,398.93	0.00	0.00	0.00	0.00
11,300.00	90.00	359.44	9,047.00	2,498.81	-24.37	2,498.93	0.00	0.00	0.00	0.00
11,400.00	90.00	359.44	9,047.00	2,598.81	-25.35	2,598.93	0.00	0.00	0.00	0.00
11,500.00	90.00	359.44	9,047.00	2,698.81	-26.32	2,698.93	0.00	0.00	0.00	0.00
11,600.00	90.00	359.44	9,047.00	2,798.80	-27.30	2,798.93	0.00	0.00	0.00	0.00
11,700.00	90.00	359.44	9,047.00	2,898.80	-28.27	2,898.93	0.00	0.00	0.00	0.00
11,800.00	90.00	359.44	9,047.00	2,998.79	-29.25	2,998.93	0.00	0.00	0.00	0.00
11,900.00	90.00	359.44	9,047.00	3,098.79	-30.22	3,098.93	0.00	0.00	0.00	0.00
12,000.00	90.00	359.44	9,047.00	3,198.78	-31.20	3,198.93	0.00	0.00	0.00	0.00
12,100.00	90.00	359.44	9,047.00	3,298.78	-32.17	3,298.93	0.00	0.00	0.00	0.00
12,200.00	90.00	359.44	9,047.00	3,398.77	-33.15	3,398.93	0.00	0.00	0.00	0.00
12,300.00	90.00	359.44	9,047.00	3,498.77	-34.12	3,498.93	0.00	0.00	0.00	0.00
12,400.00	90.00	359.44	9,047.00	3,598.76	-35.10	3,598.93	0.00	0.00	0.00	0.00
12,500.00	90.00	359.44	9,047.00	3,698.76	-36.07	3,698.93	0.00	0.00	0.00	0.00

HALLIBURTON**Plan Report for Mustang 33 Federal #2H - Plan #2**

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 (°)
12,600.00	90.00	359.44	9,047.00	3,798.75	-37.05	3,798.93	0.00	0.00	0.00	0.00
12,700.00	90.00	359.44	9,047.00	3,898.75	-38.02	3,898.93	0.00	0.00	0.00	0.00
12,800.00	90.00	359.44	9,047.00	3,998.74	-39.00	3,998.93	0.00	0.00	0.00	0.00
12,900.00	90.00	359.44	9,047.00	4,098.74	-39.97	4,098.93	0.00	0.00	0.00	0.00
13,000.00	90.00	359.44	9,047.00	4,198.73	-40.95	4,198.93	0.00	0.00	0.00	0.00
13,100.00	90.00	359.44	9,047.00	4,298.73	-41.93	4,298.93	0.00	0.00	0.00	0.00
13,200.00	90.00	359.44	9,047.00	4,398.72	-42.90	4,398.93	0.00	0.00	0.00	0.00
13,300.00	90.00	359.44	9,047.00	4,498.72	-43.88	4,498.93	0.00	0.00	0.00	0.00
13,400.00	90.00	359.44	9,047.00	4,598.71	-44.85	4,598.93	0.00	0.00	0.00	0.00
13,500.00	90.00	359.44	9,047.00	4,698.71	-45.83	4,698.93	0.00	0.00	0.00	0.00
13,600.00	90.00	359.44	9,047.00	4,798.71	-46.80	4,798.93	0.00	0.00	0.00	0.00
13,700.00	90.00	359.44	9,047.00	4,898.70	-47.78	4,898.93	0.00	0.00	0.00	0.00
13,800.00	90.00	359.44	9,047.00	4,998.70	-48.75	4,998.93	0.00	0.00	0.00	0.00
13,900.00	90.00	359.44	9,047.00	5,098.69	-49.73	5,098.93	0.00	0.00	0.00	0.00
14,000.00	90.00	359.44	9,047.00	5,198.69	-50.70	5,198.93	0.00	0.00	0.00	0.00
14,100.00	90.00	359.44	9,047.00	5,298.68	-51.68	5,298.93	0.00	0.00	0.00	0.00
14,200.00	90.00	359.44	9,047.00	5,398.68	-52.65	5,398.93	0.00	0.00	0.00	0.00
14,300.00	90.00	359.44	9,047.00	5,498.67	-53.63	5,498.93	0.00	0.00	0.00	0.00
14,400.00	90.00	359.44	9,047.00	5,598.67	-54.60	5,598.93	0.00	0.00	0.00	0.00
14,500.00	90.00	359.44	9,047.00	5,698.66	-55.58	5,698.93	0.00	0.00	0.00	0.00
14,600.00	90.00	359.44	9,047.00	5,798.66	-56.55	5,798.93	0.00	0.00	0.00	0.00
14,700.00	90.00	359.44	9,047.00	5,898.65	-57.53	5,898.93	0.00	0.00	0.00	0.00
14,800.00	90.00	359.44	9,047.00	5,998.65	-58.50	5,998.93	0.00	0.00	0.00	0.00
14,900.00	90.00	359.44	9,047.00	6,098.64	-59.48	6,098.93	0.00	0.00	0.00	0.00
15,000.00	90.00	359.44	9,047.00	6,198.64	-60.45	6,198.93	0.00	0.00	0.00	0.00
15,100.00	90.00	359.44	9,047.00	6,298.63	-61.43	6,298.93	0.00	0.00	0.00	0.00
15,200.00	90.00	359.44	9,047.00	6,398.63	-62.41	6,398.93	0.00	0.00	0.00	0.00
15,300.00	90.00	359.44	9,047.00	6,498.62	-63.38	6,498.93	0.00	0.00	0.00	0.00
15,400.00	90.00	359.44	9,047.00	6,598.62	-64.36	6,598.93	0.00	0.00	0.00	0.00
15,500.00	90.00	359.44	9,047.00	6,698.62	-65.33	6,698.93	0.00	0.00	0.00	0.00
15,600.00	90.00	359.44	9,047.00	6,798.61	-66.31	6,798.93	0.00	0.00	0.00	0.00
15,700.00	90.00	359.44	9,047.00	6,898.61	-67.28	6,898.93	0.00	0.00	0.00	0.00
15,800.00	90.00	359.44	9,047.00	6,998.60	-68.26	6,998.93	0.00	0.00	0.00	0.00
15,900.00	90.00	359.44	9,047.00	7,098.60	-69.23	7,098.93	0.00	0.00	0.00	0.00
16,000.00	90.00	359.44	9,047.00	7,198.59	-70.21	7,198.93	0.00	0.00	0.00	0.00
16,100.00	90.00	359.44	9,047.00	7,298.59	-71.18	7,298.93	0.00	0.00	0.00	0.00
16,200.00	90.00	359.44	9,047.00	7,398.58	-72.16	7,398.93	0.00	0.00	0.00	0.00
16,300.00	90.00	359.44	9,047.00	7,498.58	-73.13	7,498.93	0.00	0.00	0.00	0.00
16,400.00	90.00	359.44	9,047.00	7,598.57	-74.11	7,598.93	0.00	0.00	0.00	0.00
16,500.00	90.00	359.44	9,047.00	7,698.57	-75.08	7,698.93	0.00	0.00	0.00	0.00
16,600.00	90.00	359.44	9,047.00	7,798.56	-76.06	7,798.93	0.00	0.00	0.00	0.00
16,700.00	90.00	359.44	9,047.00	7,898.56	-77.03	7,898.93	0.00	0.00	0.00	0.00
16,800.00	90.00	359.44	9,047.00	7,998.55	-78.01	7,998.93	0.00	0.00	0.00	0.00
16,900.00	90.00	359.44	9,047.00	8,098.55	-78.98	8,098.93	0.00	0.00	0.00	0.00
17,000.00	90.00	359.44	9,047.00	8,198.54	-79.96	8,198.93	0.00	0.00	0.00	0.00
17,100.00	90.00	359.44	9,047.00	8,298.54	-80.94	8,298.93	0.00	0.00	0.00	0.00
17,200.00	90.00	359.44	9,047.00	8,398.53	-81.91	8,398.93	0.00	0.00	0.00	0.00
17,300.00	90.00	359.44	9,047.00	8,498.53	-82.89	8,498.93	0.00	0.00	0.00	0.00
17,400.00	90.00	359.44	9,047.00	8,598.52	-83.86	8,598.93	0.00	0.00	0.00	0.00
17,500.00	90.00	359.44	9,047.00	8,698.52	-84.84	8,698.93	0.00	0.00	0.00	0.00
17,600.00	90.00	359.44	9,047.00	8,798.52	-85.81	8,798.93	0.00	0.00	0.00	0.00
17,700.00	90.00	359.44	9,047.00	8,898.51	-86.79	8,898.93	0.00	0.00	0.00	0.00
17,800.00	90.00	359.44	9,047.00	8,998.51	-87.76	8,998.93	0.00	0.00	0.00	0.00
17,900.00	90.00	359.44	9,047.00	9,098.50	-88.74	9,098.93	0.00	0.00	0.00	0.00
18,000.00	90.00	359.44	9,047.00	9,198.50	-89.71	9,198.93	0.00	0.00	0.00	0.00
18,100.00	90.00	359.44	9,047.00	9,298.49	-90.69	9,298.93	0.00	0.00	0.00	0.00
18,200.00	90.00	359.44	9,047.00	9,398.49	-91.66	9,398.93	0.00	0.00	0.00	0.00
18,300.00	90.00	359.44	9,047.00	9,498.48	-92.64	9,498.93	0.00	0.00	0.00	0.00
18,400.00	90.00	359.44	9,047.00	9,598.48	-93.61	9,598.93	0.00	0.00	0.00	0.00
18,500.00	90.00	359.44	9,047.00	9,698.47	-94.59	9,698.93	0.00	0.00	0.00	0.00

HALLIBURTON

Plan Report for Mustang 33 Federal #2H - Plan #2

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 (°)
18,600.00	90.00	359.44	9,047.00	9,798.47	-95.56	9,798.93	0.00	0.00	0.00	0.00
18,700.00	90.00	359.44	9,047.00	9,898.46	-96.54	9,898.93	0.00	0.00	0.00	0.00
18,800.00	90.00	359.44	9,047.00	9,998.46	-97.51	9,998.93	0.00	0.00	0.00	0.00
18,884.57	90.00	359.44	9,047.00	10,083.03	-98.34	10,083.51	0.00	0.00	0.00	0.00
TD @ 18884.57' MD - Mustang 33 Federal #2H BHL										

Plan Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
8,474.00	8,474.00	0.00	0.00	Start Build @ 8474.00' MD
8,474.00	8,474.00	0.00	0.00	Dogleg = 10.00°/100'
9,374.07	9,047.00	572.97	-5.59	End Build @ 9374.07' MD
9,374.07	9,047.00	572.98	-5.59	Hold Angle @ 90.00°
18,884.57	9,047.00	10,083.03	-98.34	TD @ 18884.57' MD

Vertical Section Information

Angle Type	Target	Azimuth (°)	Origin Type	Origin		Start TVD (usft)
				+N/-S (usft)	+E/-W (usft)	
TD	No Target (Freehand)	359.44	Slot	0.00	0.00	0.00

Survey tool program

From (usft)	To (usft)	Survey/Plan	Survey Tool
0.00	18,884.57	Plan #2	MWD+SC

Formation Details

Measured Depth (usft)	Vertical Depth (usft)	Name	Lithology	Dip (°)	Dip Direction (°)
987.00	987.00	Rustler		0.00	359.44
1,544.00	1,544.00	Top of Salt		0.00	359.44
5,260.00	5,260.00	Lamar		0.00	359.44
5,272.00	5,272.00	Bell Canyon		0.00	359.44
6,344.00	6,344.00	Cherry Canyon		0.00	359.44
7,807.00	7,807.00	Brushy Canyon		0.00	359.44

Targets associated with this wellbore

Target Name	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Shape
Mustang 33 Federal #2H BHL	9,047.00	10,083.03	-98.34	Point

HALLIBURTON**North Reference Sheet for Mustang 33 Federal - Mustang 33 Federal #2H - 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 3200.3' + KB 29.0' @ 3229.30usft (Noram 23). Northing and Easting are relative to Mustang 33 Federal #2H

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: 1.00001008

Grid Coordinates of Well: 394,160.72 usft N, 838,282.86 usft E

Geographical Coordinates of Well: 32° 04' 48.00" N, 103° 22' 28.54" W

Grid Convergence at Surface is: 0.51°

Based upon Minimum Curvature type calculations, at a Measured Depth of 18,884.57usft the Bottom Hole Displacement is 10,083.51usft in the Direction of 359.44° (Grid).

Magnetic Convergence at surface is: -6.58° (25 January 2016, , BGGM2015)

