

Endurance Resources LLC

HALLIBURTON
Sperry Drilling Services

Project: Lea County, NM (NAD 83)
Site: Tele Delux 32 State
Well: Tele Delux 32 State 504H
Wellbore: Wellbore #1
Design: Plan #1
Rig: TBD

SURFACE LOCATION

US State Plane 1983
New Mexico Eastern Zone
Elevation: GL 3222.1' @ 3222.10usft (TBD)
Northing 398965.36 Easting 835420.87
Latitude 32° 5' 35.792 N Longitude 103° 23' 1.310 W

To convert a Magnetic Direction to a Grid Direction, Add 6.57°

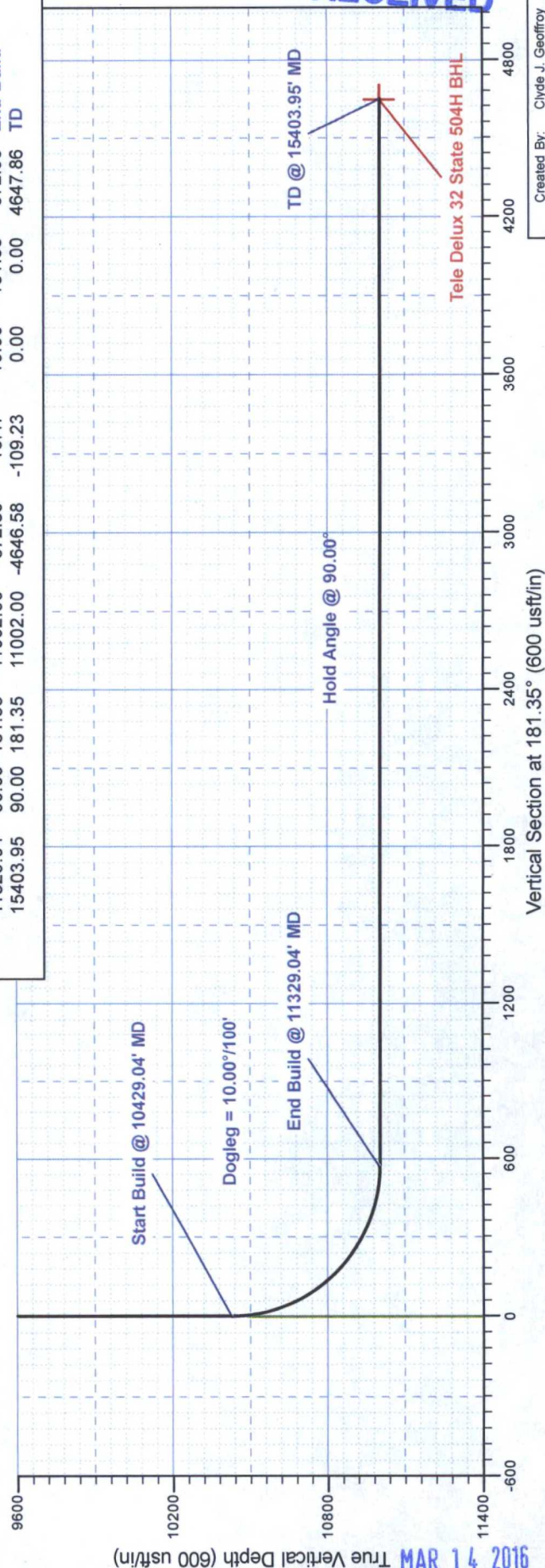
Magnetic Model: BGGM2015 Date: 09-Mar-16
Azimuths to Grid North

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

Name	MD	Inc	Azi	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
Tele Delux 32 State 504H BHL	11002.00	-4646.58	-109.23	394318.78	835311.63	32° 4' 49.824 N	103° 23' 3.055 W			

SECTION DETAILS

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	
10429.04	0.00	0.00	10429.04	0.00	0.00	0.00	0.00	0.00	Start Build
11329.04	90.00	181.35	11002.00	-572.80	-13.47	10.00	181.35	572.96	End Build
15403.95	90.00	181.35	11002.00	-4646.58	-109.23	0.00	0.00	4647.86	TD



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MAR 11 2016

Created By: Clyde J. Geoffroy

MAR 11 2016

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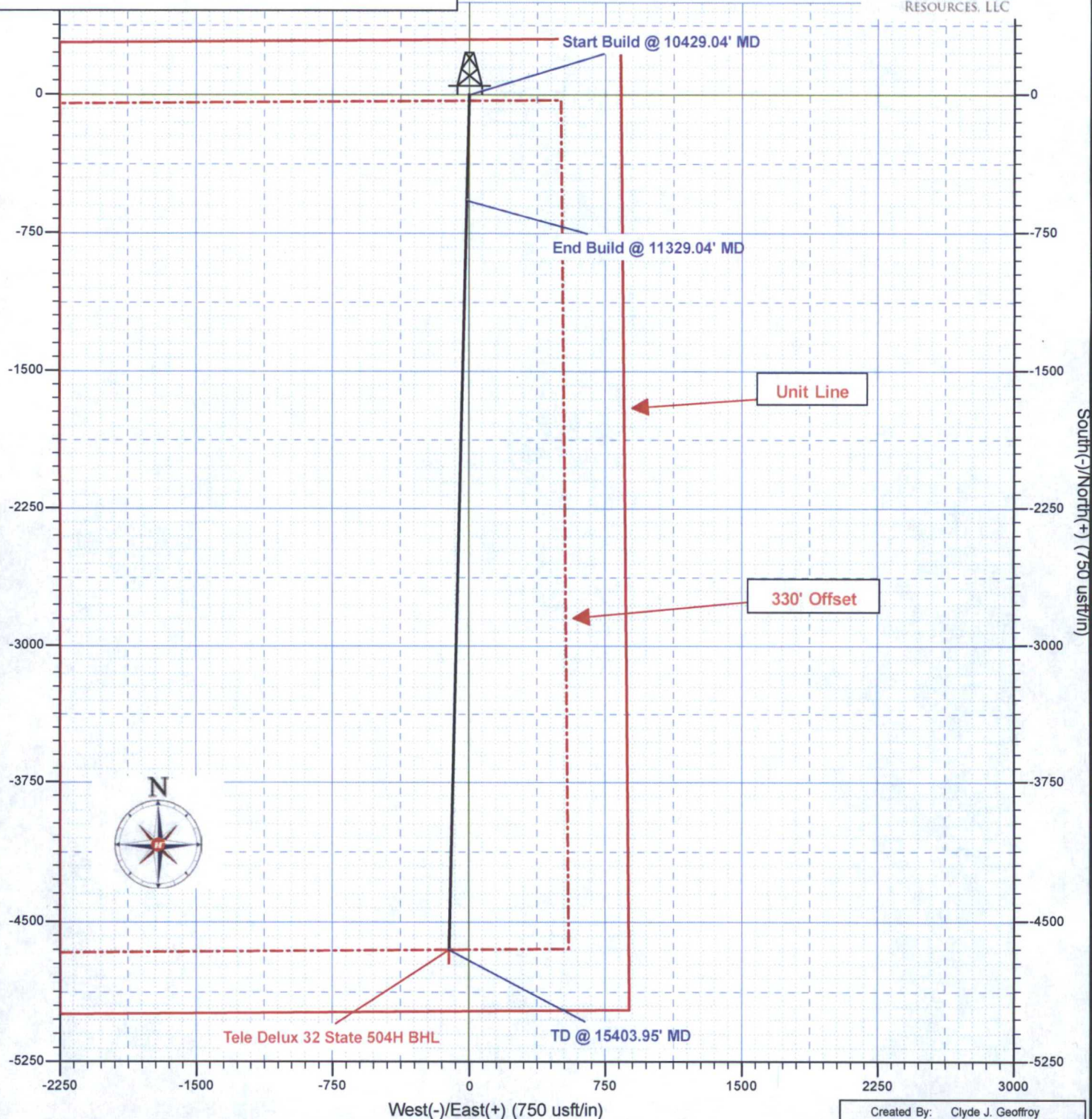
ENDURANCE
RESOURCES, LLC

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Magnetic Model: BGGM2015

Date: 09-Mar-16

Azimuths to Grid North



Endurance Resources LLC

Lea County, NM (NAD 83)

Tele Delux 32 State

Tele Delux 32 State 504H

Wellbore #1

Plan: Plan #1

Sperry Drilling Services Proposal Report

09 March, 2016

Well Coordinates: 398,965.36 N, 835,420.87 E (32° 05' 35.79" N, 103° 23' 01.31" W)
Ground Level: 3,222.10 usft

Local Coordinate Origin:	Centered on Well Tele Delux 32 State 504H
Viewing Datum:	GL 3222.1' @ 3222.10usft (TBD)
TVDs to System:	N
North Reference:	Grid
Unit System:	API - US Survey Feet

Version: 5000.1 Build: 76

HALLIBURTON

Plan Report for Tele Delux 32 State 504H - 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
10,429.04	0.00	0.00	10,429.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Start Build @ 10429.04' MD - Dogleg = 10.00°/100'										
10,500.00	7.10	181.35	10,499.82	-4.39	-0.10	4.39	10.00	10.00	0.00	181.35
10,600.00	17.10	181.35	10,597.47	-25.31	-0.59	25.32	10.00	10.00	0.00	0.00
10,700.00	27.10	181.35	10,690.01	-62.87	-1.48	62.88	10.00	10.00	0.00	0.00
10,800.00	37.10	181.35	10,774.62	-115.92	-2.73	115.95	10.00	10.00	0.00	0.00
10,900.00	47.10	181.35	10,848.73	-182.85	-4.30	182.90	10.00	10.00	0.00	0.00
11,000.00	57.10	181.35	10,910.09	-261.63	-6.15	261.71	10.00	10.00	0.00	0.00
11,100.00	67.10	181.35	10,956.83	-349.87	-8.22	349.97	10.00	10.00	0.00	0.00
11,200.00	77.10	181.35	10,987.53	-444.88	-10.46	445.00	10.00	10.00	0.00	0.00
11,300.00	87.10	181.35	11,001.26	-543.78	-12.78	543.93	10.00	10.00	0.00	0.00
11,329.04	90.00	181.35	11,002.00	-572.80	-13.47	572.96	10.00	10.00	0.00	0.00
End Build @ 11329.04' MD - Hold Angle @ 90.00°										
11,400.00	90.00	181.35	11,002.00	-643.74	-15.13	643.92	0.00	0.00	0.00	0.00
11,500.00	90.00	181.35	11,002.00	-743.71	-17.48	743.92	0.00	0.00	0.00	0.00
11,600.00	90.00	181.35	11,002.00	-843.68	-19.83	843.92	0.00	0.00	0.00	0.00
11,700.00	90.00	181.35	11,002.00	-943.65	-22.18	943.92	0.00	0.00	0.00	0.00
11,800.00	90.00	181.35	11,002.00	-1,043.63	-24.53	1,043.92	0.00	0.00	0.00	0.00
11,900.00	90.00	181.35	11,002.00	-1,143.60	-26.88	1,143.92	0.00	0.00	0.00	0.00
12,000.00	90.00	181.35	11,002.00	-1,243.57	-29.23	1,243.92	0.00	0.00	0.00	0.00
12,100.00	90.00	181.35	11,002.00	-1,343.54	-31.58	1,343.92	0.00	0.00	0.00	0.00
12,200.00	90.00	181.35	11,002.00	-1,443.52	-33.93	1,443.92	0.00	0.00	0.00	0.00
12,300.00	90.00	181.35	11,002.00	-1,543.49	-36.28	1,543.92	0.00	0.00	0.00	0.00
12,400.00	90.00	181.35	11,002.00	-1,643.46	-38.64	1,643.92	0.00	0.00	0.00	0.00
12,500.00	90.00	181.35	11,002.00	-1,743.43	-40.99	1,743.92	0.00	0.00	0.00	0.00
12,600.00	90.00	181.35	11,002.00	-1,843.41	-43.34	1,843.92	0.00	0.00	0.00	0.00
12,700.00	90.00	181.35	11,002.00	-1,943.38	-45.69	1,943.92	0.00	0.00	0.00	0.00
12,800.00	90.00	181.35	11,002.00	-2,043.35	-48.04	2,043.92	0.00	0.00	0.00	0.00
12,900.00	90.00	181.35	11,002.00	-2,143.32	-50.39	2,143.92	0.00	0.00	0.00	0.00
13,000.00	90.00	181.35	11,002.00	-2,243.30	-52.74	2,243.92	0.00	0.00	0.00	0.00
13,100.00	90.00	181.35	11,002.00	-2,343.27	-55.09	2,343.92	0.00	0.00	0.00	0.00
13,200.00	90.00	181.35	11,002.00	-2,443.24	-57.44	2,443.92	0.00	0.00	0.00	0.00
13,300.00	90.00	181.35	11,002.00	-2,543.21	-59.79	2,543.92	0.00	0.00	0.00	0.00
13,400.00	90.00	181.35	11,002.00	-2,643.19	-62.14	2,643.92	0.00	0.00	0.00	0.00
13,500.00	90.00	181.35	11,002.00	-2,743.16	-64.49	2,743.92	0.00	0.00	0.00	0.00
13,600.00	90.00	181.35	11,002.00	-2,843.13	-66.84	2,843.92	0.00	0.00	0.00	0.00
13,700.00	90.00	181.35	11,002.00	-2,943.10	-69.19	2,943.92	0.00	0.00	0.00	0.00
13,800.00	90.00	181.35	11,002.00	-3,043.07	-71.54	3,043.92	0.00	0.00	0.00	0.00
13,900.00	90.00	181.35	11,002.00	-3,143.05	-73.89	3,143.92	0.00	0.00	0.00	0.00
14,000.00	90.00	181.35	11,002.00	-3,243.02	-76.24	3,243.92	0.00	0.00	0.00	0.00
14,100.00	90.00	181.35	11,002.00	-3,342.99	-78.59	3,343.92	0.00	0.00	0.00	0.00
14,200.00	90.00	181.35	11,002.00	-3,442.96	-80.94	3,443.92	0.00	0.00	0.00	0.00
14,300.00	90.00	181.35	11,002.00	-3,542.94	-83.29	3,543.92	0.00	0.00	0.00	0.00
14,400.00	90.00	181.35	11,002.00	-3,642.91	-85.64	3,643.92	0.00	0.00	0.00	0.00
14,500.00	90.00	181.35	11,002.00	-3,742.88	-87.99	3,743.92	0.00	0.00	0.00	0.00
14,600.00	90.00	181.35	11,002.00	-3,842.85	-90.34	3,843.92	0.00	0.00	0.00	0.00
14,700.00	90.00	181.35	11,002.00	-3,942.83	-92.69	3,943.92	0.00	0.00	0.00	0.00
14,800.00	90.00	181.35	11,002.00	-4,042.80	-95.04	4,043.92	0.00	0.00	0.00	0.00
14,900.00	90.00	181.35	11,002.00	-4,142.77	-97.39	4,143.92	0.00	0.00	0.00	0.00
15,000.00	90.00	181.35	11,002.00	-4,242.74	-99.74	4,243.92	0.00	0.00	0.00	0.00
15,100.00	90.00	181.35	11,002.00	-4,342.72	-102.09	4,343.92	0.00	0.00	0.00	0.00
15,200.00	90.00	181.35	11,002.00	-4,442.69	-104.44	4,443.92	0.00	0.00	0.00	0.00
15,300.00	90.00	181.35	11,002.00	-4,542.66	-106.79	4,543.92	0.00	0.00	0.00	0.00
15,400.00	90.00	181.35	11,002.00	-4,642.63	-109.14	4,643.92	0.00	0.00	0.00	0.00
15,403.95	90.00	181.35	11,002.00	-4,646.58	-109.23	4,647.86	0.00	0.00	0.00	0.00
TD @ 15403.95' MD - Tele Delux 32 State 504H BHL										

Plan Report for Tele Delux 32 State 504H - Plan #1

Plan Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
10,429.04	10,429.04	0.00	0.00	Start Build @ 10429.04' MD
10,429.04	10,429.04	0.00	0.00	Dogleg = 10.00°/100'
11,329.04	11,002.00	-572.80	-13.47	End Build @ 11329.04' MD
11,329.04	11,002.00	-572.80	-13.47	Hold Angle @ 90.00°
15,403.95	11,002.00	-4,646.58	-109.23	TD @ 15403.95' MD

Vertical Section Information

Angle Type	Target	Azimuth (°)	Origin Type	Origin		Start TVD (usft)
				+N/_S (usft)	+E/-W (usft)	
TD	No Target (Freehand)	181.35	Slot	0.00	0.00	0.00

Survey tool program

From (usft)	To (usft)	Survey/Plan	Survey Tool
0.00	15,403.95	Plan #1	MWD+SC

Targets associated with this wellbore

Target Name	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Shape
Tele Delux 32 State 504H BHL	11,002.00	-4,646.58	-109.23	Point

North Reference Sheet for Tele Delux 32 State - Tele Delux 32 State 504H - 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 3222.1' @ 3222.10usft (TBD). Northing and Easting are relative to Tele Delux 32 State 504H

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: 1.00000815

Grid Coordinates of Well: 398,965.36 usft N, 835,420.87 usft E

Geographical Coordinates of Well: 32° 05' 35.79" N, 103° 23' 01.31" W

Grid Convergence at Surface is: 0.50°

Based upon Minimum Curvature type calculations, at a Measured Depth of 15,403.95usft the Bottom Hole Displacement is 4,647.86usft in the Direction of 181.35° (Grid).

Magnetic Convergence at surface is: -6.57° (9 March 2016, , BGGM2015)

