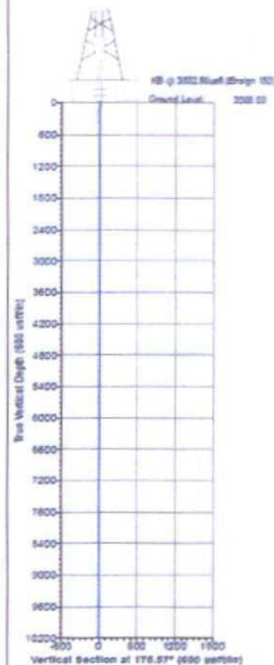


Gramma Ridge 2H – the first well – 30-025-41731



Project: Lea County NM (NAD27 NME)
Site: Gramma Ridge 14-24-34
Well: #2H
Wellbore: WB1/Job #1410440
Design: Plan #3 06-02-14
Rig: Ensign 153



WELL DETAILS													
-N-S		-E-W		Northing		Ground Level		3008.00		Latitude		Longitude	
0.00		0.00		44543.20		Easting		773670.90		32° 12' 28.43281 N		103° 26' 51.79437 W	

SECTION DETAILS											
Sec	NO	In	At	TVD	-N-S	-E-W	Day	TFace	VFace	Target	Annotation
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	KOP Start 12'100' Build
2	10039.80	0.00	0.00	10039.80	0.00	0.00	0.00	0.00	0.00	0.00	
3	11081.46	89.00	175.87	11017.19	-467.73	36.22	12.00	175.87	489.13		LP 80° Inc. Start hold
4	15484.82	49.00	175.87	11080.39	-467.90	36.70	0.00	487.10			TD at 15484.82

DESIGN TARGET DETAILS																	
Name		TVD		-N-S		-E-W		Northing		Easting		Latitude		Longitude		Shape	
PBH-GR 14-24-34 42H v2		11080.39		-467.90		36.70		441883.30		773231.80		32° 12' 28.32027 N		103° 26' 48.34710 W		Point	
- plan: this target center																	

LEGEND											
Plan #3 08-02-14											

30°	40°N
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Map System: UG State Plane 1927 (Exact solution)
Datum: NAD 1927 (NADCON CONUS)
Elevation: Contour 1000
Zone Name: New Mexico East 3001
Local Origin: Well #2H, Grid North
Latitude: 32° 12' 28.43281 N
Longitude: 103° 26' 51.79437 W
Grid East: 773670.90
Grid North: 44543.20
Scale Factor: 1.000
Geographic Model: IGRF2010_04
Compute Date: 2014-02-29
Magnetic Declination: 7.16°
Dip Angle from horizontal: 80.13°
Magnetic Field Strength: 48333
To convert a Magnetic Direction to a Grid Direction, Add 6.83°
To convert a Magnetic Direction to a True Direction, Add 7.16° East
To convert a True Direction to a Grid Direction, Subtract 0.47°

FORMATION TOP DETAILS

T/Grb	ICRef	Formation	Depth	Depth
15017.19	11081.43	TL 11080 TVD @ 0° VS w/80° Inc	1.50	175.87

LEGEND

Plan #3 06-02-14

