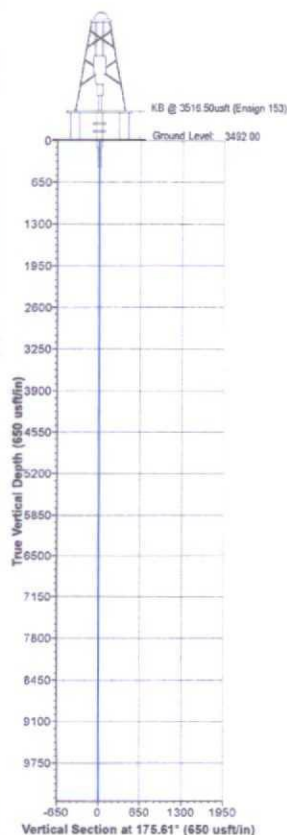


Project: Lea County NM (NAD27 NME)
 Site: Gramma Ridge 14-24-34
 Well: #1H
 Wellbore: WB1
 Design: Plan #3 06-24-14
 Rig: Ensign 153



Azimuths to Grid North
 True North: -0.48°
 Magnetic North: 6.67°
 Magnetic Field
 Strength: 48.327 Gauss
 Dip Angle: 60.13°
 Date: 06/24/2014
 Model: IGRF2010_14



WELL DETAILS

+N-S	+E-W	North	Ground Level	3492.00	Latitude	Longitude
0.00	0.00	446271.80	Easting	776517.00	32° 13' 25.51902° N	103° 26' 20.99488° W

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N-S	+E-W	Diag	TFace	VSec	Target	Annotation
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
2	12515.54	0.00	0.00	12515.54	0.00	0.00	0.00	0.00	0.00		KOP: 12°/100' Build
3	11265.54	90.00	175.61	10893.00	-476.00	35.58	12.00	175.61	477.46		LP: Hold 90° Inc: 175.61° Azm
4	15469.33	90.00	175.61	10993.00	-4867.50	358.60	0.00	0.00	4661.26	PBHL-GR 14-24-34 #1H v3	TD at 15469.33 MD

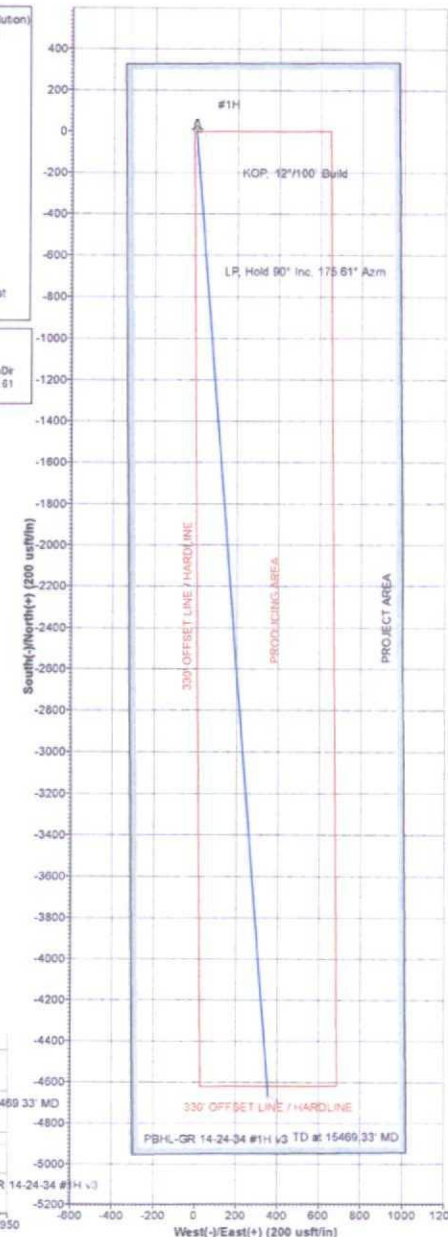
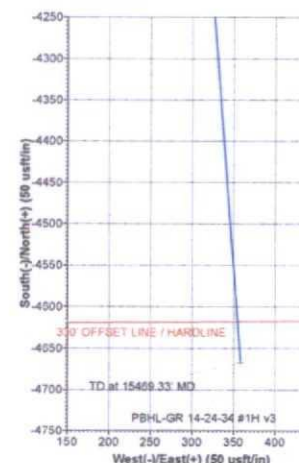
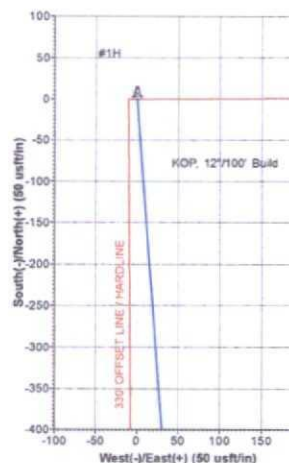
DESIGN TARGET DETAILS

Name	TVD	+N-S	+E-W	North	Easting	Latitude	Longitude	Shape
PBHL-GR 14-24-34 #1H v3	10893.00	-4867.50	358.60	441694.30	776875.00	32° 12' 39.30371° N	103° 26' 17.27336° W	Point
- plan hls target center								

LEGEND

— Plan #3 06-24-14

Map System: US State Plane 1927 (Exact solution)
 Datum: NAD 1927 (NADCON CONUS)
 Ellipsoid: Clarke 1866
 Zone Name: New Mexico East 3001
 Local Origin: Well #1H, Grid North
 Latitude: 32° 13' 25.51902° N
 Longitude: 103° 26' 20.99488° W
 Grid East: 776517.00
 Grid North: 446271.80
 Scale Factor: 1.000
 Geomagnetic Model: IGRF2010_14
 Sample Date: 24-Jun-14
 Magnetic Declination: 7.15°
 Dip Angle from Horizontal: 60.13°
 Magnetic Field Strength: 48327
 To convert a Magnetic Direction to a Grid Direction, Add 6.67°
 To convert a Magnetic Direction to a True Direction, Add 7.15° East
 To convert a True Direction to a Grid Direction, Subtract 0.48°
 FORMATION TOP DETAILS
 TVDPath MDPath Formation DipAngle DpDr
 10993.00 11265.53 TL 10993 TVD @ 0° VS w/90° Inc 0.00 175.61



BEFORE THE OIL CONVERSION
 DIVISION
 Santa Fe, New Mexico
 Exhibit No. 8
 Submitted by: CHEVRON U.S.A., INC.
 Hearing Date: July 10, 2014

