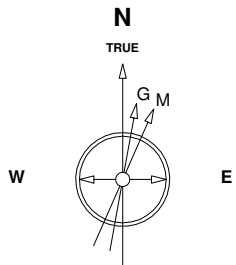


Great Western Operating Company, LLC

Location Colorado
Field Wattenburg
Installation Ocho
Slot Slot E13 - Ocho LD 17-368HN
Well Ocho LD 17-368HN
Wellbore Ocho LD 17-368HN (PWB)

Created by admin
Date plotted 2-Sep-2016

Plot reference is Ocho LD 17-368HN (PWB).
Ref wellpath is Ocho LD 17-368HN (PWP#1).
Coordinates are in Feet reference Slot E13 - Ocho LD 17-368HN.
True Vertical Depths are reference Rig Datum.
Measured Depths are reference Rig Datum.
Rig Datum: Planned Datum #1
Rig Datum to Mean Sea Level: 20.00 ft.
Plot North is aligned to TRUE North.

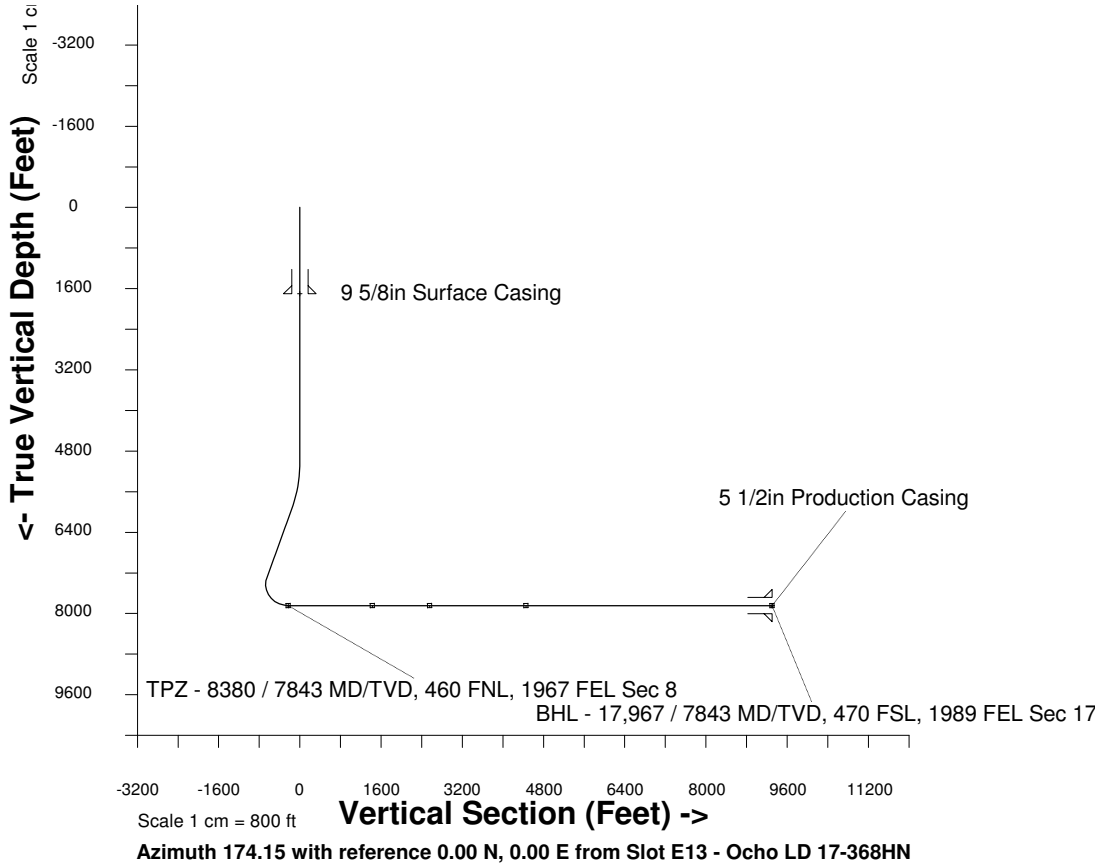


Scale 1 cm = 400 ft

East (Feet) ->

-6400 -5600 -4800 -4000 -3200 -2400 -1600 -800 0 800 1600 2400 3200 4000

31-Aug-2016
IGRF Model [1900.0-2020.0] Dip: 66.52 deg Field: 52289.7 nT
Lat: N39 59 4.9488 Long: W104 54 50.5188 Elev: 0.00 ft
Magnetic North is 8.34 deg East of TRUE North
To correct azimuth from Magnetic to TRUE add 8.34 deg



TPZ - 8380 / 7843 MD/TVD, 460 FNL, 1967 FEL Sec 8

Sec 8, T1S, R67W

Sec 17, T1S, R67W

BHL - 17,967 / 7843 MD/TVD, 470 FSL, 1989 FEL Sec 17

WELL PROFILE DATA

Point	MD	Inc	Azi	TVD	North	East	deg/100ft	V. Sect
Tie on	0.00	0.00	0.00	0.00	S 0.00	W 0.00		0.00
KOP	5000.50	0.00	43.61	5000.50	S 0.00	W 0.00	0.00	0.00
End of Build	5972.27	29.15	43.61	5930.88	N 175.18	E 166.87	9.84	-157.26
End of Hold	7538.29	29.15	43.61	7298.52	N 727.56	E 693.05	0.00	-653.12
Target TPZ - ... Sec 8	8380.49	90.00	176.82	7843.00	N 324.96	E 937.07	42.65	-227.75
Target Stoneh...r 32-8	10040.48	90.00	176.82	7843.00	S 1332.48	E 1029.02	0.00	1430.43
End of Turn	10150.46	90.00	179.02	7843.00	S 1442.39	E 1033.00	6.56	1540.17
Target Quebec Inv #1	11169.26	90.00	179.02	7843.00	S 2461.04	E 1050.35	0.00	2555.29
End of Turn	11391.30	90.00	183.47	7843.00	S 2682.97	E 1045.53	6.56	2775.57
Target Neg KOP	13093.92	90.00	183.47	7843.00	S 4382.48	E 942.62	0.00	4455.74
End of Turn	13273.88	90.00	179.87	7843.00	S 4562.33	E 937.39	6.56	4634.12
T.D. & Target BHL... 17	17966.58	90.00	179.87	7843.00	S 9255.02	E 948.36	0.00	9303.48