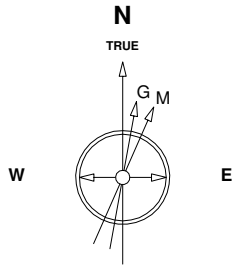


Great Western Operating Company, LLC

Location Colorado
Field Wattenburg
Installation Ocho
Slot Slot E09 - Ocho LD 17-364HC
Well Ocho LD 17-364HC
Wellbore Ocho LD 17-364HC (PWB)

Created by admin
Date plotted 2-Sep-2016

Plot reference is Ocho LD 17-364HC (PWB).
Ref wellpath is Ocho LD 17-364HC (PWP#1).
Coordinates are in Feet reference Slot E09 - Ocho LD 17-364HC.
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.

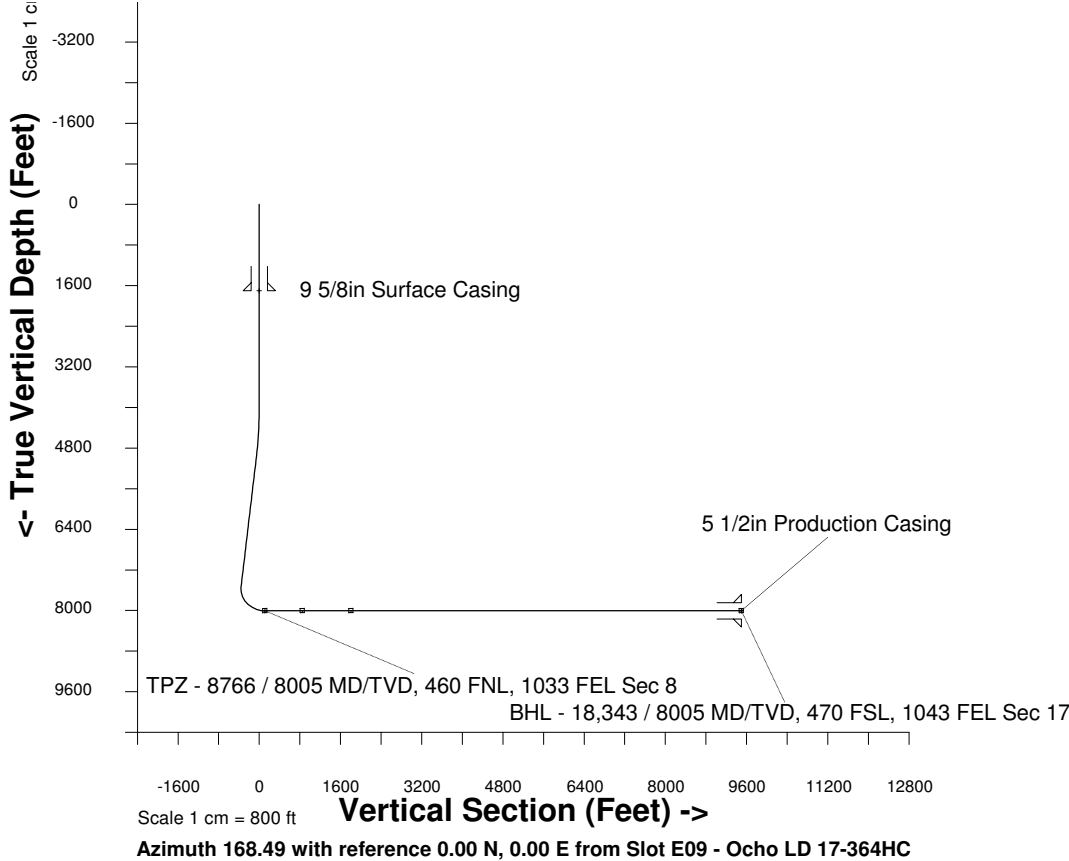


Scale 1 cm = 400 ft

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 - 8766 / 8005 MD/TVD, 460 FNL, 1033 FEL Sec 8

Sec 8, T1S, R67W

Sec 17, T1S, R67W

BHL - 18,343 / 8005 MD/TVD, 470 FSL, 1043 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	3987.00	0.00	66.70	3987.00	S 0.00	W 0.00	0.00	0.00
End of Build	4987.10	30.00	66.70	4942.02	N 101.24	E 235.05	9.84	-52.32
End of Hold	7991.22	30.00	66.70	7543.59	N 695.47	E 1614.71	0.00	-359.43
Target TPZ - ... Sec 8	8766.65	90.00	178.72	8005.00	N 268.18	E 1871.34	42.65	110.45
Target PDC Leslie 8-5	9517.74	90.00	178.72	8005.00	S 482.72	E 1888.15	0.00	849.62
End of Turn	9624.60	90.00	180.85	8005.00	S 589.57	E 1888.55	6.56	954.41
Target Neg KOP	10498.17	90.00	180.85	8005.00	S 1463.04	E 1875.52	0.00	1807.73
End of Turn	10547.98	90.00	179.86	8005.00	S 1512.85	E 1875.21	6.56	1856.48
T.D. & Target BHL... 17	18342.57	90.00	179.86	8005.00	S 9307.42	E 1894.49	0.00	9498.27

<- North(Feet)

Scale 1 cm = 400 ft