

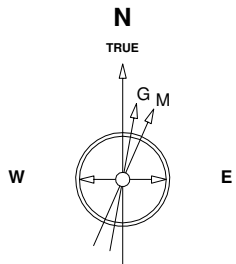
# Great Western Operating Company, LLC

**Location** Colorado  
**Field** Wattenburg  
**Installation** Ocho  
**Slot** Slot E14 - Ocho LD 17-368HN  
**Well** Ocho LD 17-368HN  
**Wellbore** Ocho LD 17-368HN (PWB)

Created by admin

Date plotted 12-Sep-2017

Plot reference is Ocho LD 17-368HN (PWB).  
Ref wellpath is Ocho LD 17-368HN (PWP#1).  
Coordinates are in Feet reference Slot E14 - 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.

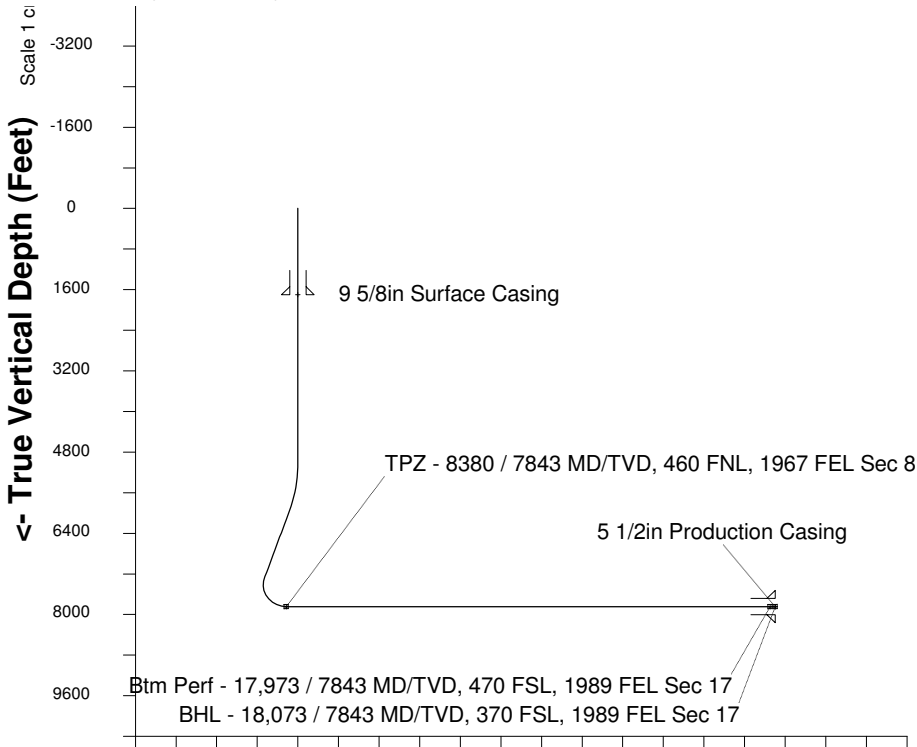


Scale 1 cm = 400 ft

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



Scale 1 cm = 800 ft

Vertical Section (Feet) ->

Azimuth 174.21 with reference 0.00 N, 0.00 E from Slot E14 - Ocho LD 17-368HN

## 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	44.09	5000.50	S 0.00	W 0.00	0.00	0.00
End of Build	6000.49	30.00	44.09	5955.42	N 183.77	E 178.03	9.84	-164.88
End of Hold	7538.55	30.00	44.09	7287.43	N 736.10	E 713.13	0.00	-660.43
Target TPZ - ... Sec 8	8392.55	90.00	179.93	7843.00	N 324.96	E 937.07	42.65	-228.79
Target Btm Pe...Sec 17	17972.54	90.00	179.93	7843.00	S 9255.02	E 948.36	0.00	9303.48
End of Turn	17973.08	90.00	180.00	7843.00	S 9255.56	E 948.36	42.65	9304.01
T.D. & Target BHL... 17	18072.54	90.00	180.00	7843.00	S 9355.02	E 948.36	0.00	9402.97

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

Sec 8, T1S, R67W

Sec 17, T1S, R67W

Btm Perf - 17,973 / 7843 MD/TVD, 470 FSL, 1989 FEL Sec 17

BHL - 18,073 / 7843 MD/TVD, 370 FSL, 1989 FEL Sec 17

<- North(Feet)

Scale 1 cm = 400 ft