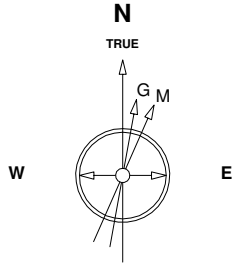


# Great Western Operating Company, LLC

**Location** Colorado  
**Field** Wattenburg  
**Installation** Marcus

**Slot** Slot E11 - Marcus LD 11-362HN  
**Well** Marcus LD 11-362HN  
**Wellbore** Marcus LD 11-362HN (PWB)

Created by admin  
Date plotted 18-May-2016  
Plot reference is Marcus LD 11-362HN (PWB).  
Ref wellpath is Marcus LD 11-362HN (PWP#1).  
Coordinates are in Feet reference Slot E11 - Marcus LD 11-362HN.  
True Vertical Depths are reference Rig Datum.  
Measured Depths are reference Rig Datum.  
Rig Datum: Planned Datum #1  
Rig Datum to Mean Sea Level: 5058.20 ft.  
Plot North is aligned to TRUE North.



13-Dec-2014  
IGRF Model [1900.0-2020.0] Dip: 66.58 deg Field: 52459.7 nT  
Lat: N40 0 11.6388 Long: W104 52 6.9096 Elev: 5042.00 ft  
Magnetic North is 8.50 deg East of TRUE North  
To correct azimuth from Magnetic to TRUE add 8.50 deg

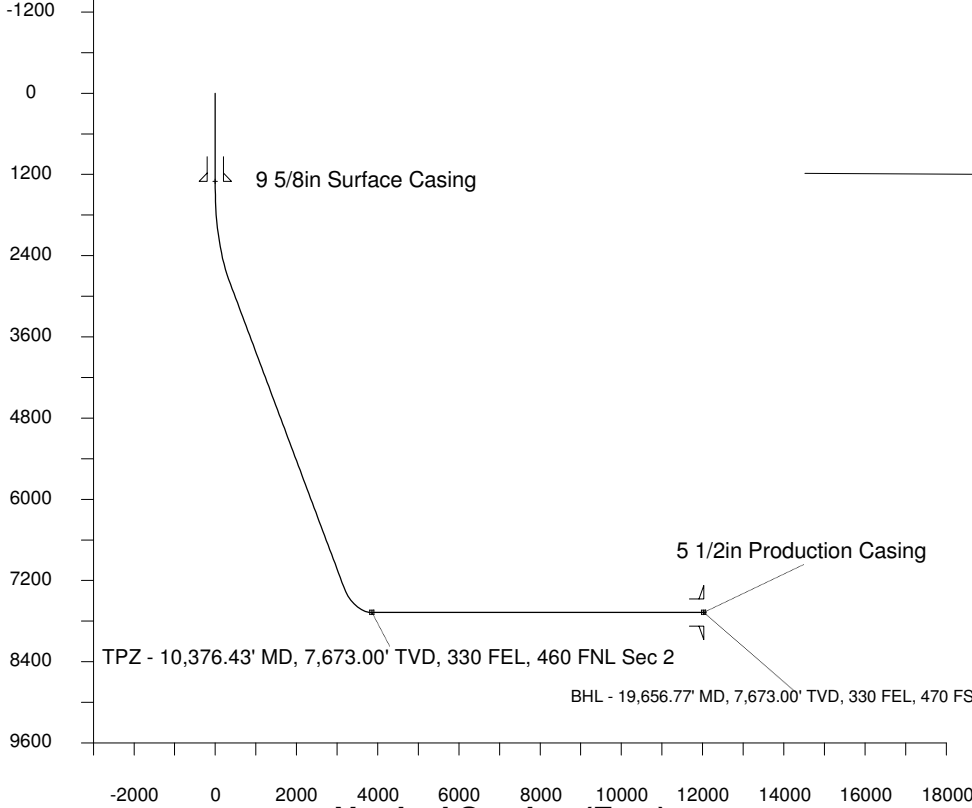
Scale 1 cm = 400 ft

East (Feet) ->

-2400 -1600 -800 0 800 1600 2400 3200 4000 4800 5600 6400 7200 8000

<- True Vertical Depth (Feet)

Scale 1 cm = 600 ft



Scale 1 cm = 1000 ft

Vertical Section (Feet) ->

Azimuth 152.07 with reference 0.00 N, 0.00 E from Slot E11 - Marcus LD 11-362HN

## WELL PROFILE DATA

Point	MD	Inc	Azi	TVD	North	East	deg/100ft	V. Sect
Tie on	16.20	0.00	0.00	16.20	S 0.00	W 0.00		0.00
KOP	1400.00	0.00	98.33	1400.00	S 0.00	W 0.00	0.00	0.00
End of Build	2950.43	46.51	98.33	2785.66	S 86.30	E 589.23	9.84	352.25
End of Hold	9534.63	46.51	98.33	7316.84	S 778.54	E 5315.84	0.00	3177.93
Target TPZ - ... Sec 2	10376.43	90.00	180.30	7673.00	S 1350.48	E 5684.66	32.81	3856.00
T.D. & Target BHL...	19656.77	90.00	180.30	7673.00	S 10630.68	E 5636.33	0.00	12032.44

Sec 34, T1N, R67W

Sec 35, T1N, R67W

TPZ - 10,376.43' MD, 7,673.00' TVD, 330 FEL, 460 FNL Sec 2

Sec 2 T1S, R67W

5 1/2in Production Casing

TPZ - 10,376.43' MD, 7,673.00' TVD, 330 FEL, 460 FNL Sec 2

BHL - 19,656.77' MD, 7,673.00' TVD, 330 FEL, 470 FSL Sec 11

Sec 11, T1S, R67W

BHL - 19,656.77' MD, 7,673.00' TVD, 330 FEL, 470 FSL Sec 11

<- North(Feet)

Scale 1 cm = 450 ft