

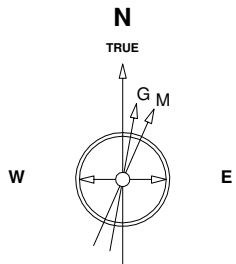
# Great Western Operating Company, LLC

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

**Slot** Slot W11 - Marcus LD 11-372HC  
**Well** Marcus LD 11-372HC  
**Wellbore** Marcus LD 11-372HC (PWB)

Created by admin  
Date plotted 18-May-2016

Plot reference is Marcus LD 11-372HC (PWB).  
Ref wellpath is Marcus LD 11-372HC (PWP#1).  
Coordinates are in Feet reference Slot W11 - Marcus LD 11-372HC.  
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

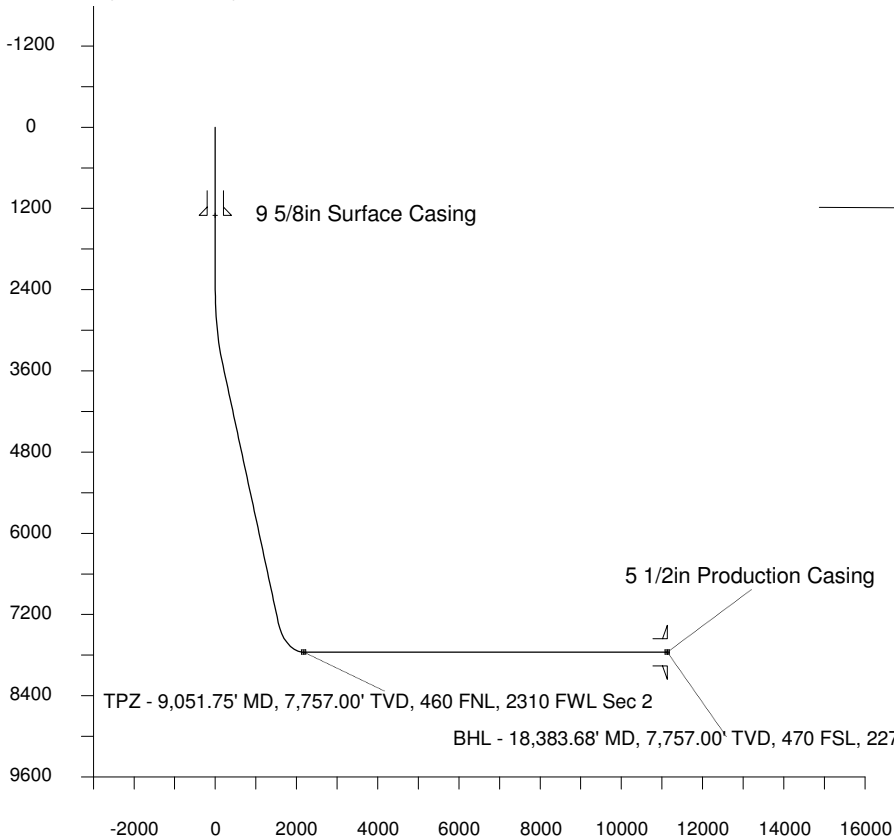
Scale 1 cm = 400 ft

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 163.59 with reference 0.00 N, 0.00 E from Slot W11 - Marcus LD 11-372HC

## 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	2400.00	0.00	105.21	2400.00	S 0.00	W 0.00	0.00	0.00
End of Build	3546.17	34.39	105.21	3478.60	S 87.58	E 322.03	9.84	174.99
End of Hold	8236.94	34.39	105.21	7349.71	S 782.82	E 2878.29	0.00	1564.10
Target TPZ - ... Sec 2	9051.75	90.00	180.01	7757.00	S 1349.50	E 3147.17	32.81	2183.65
T.D. & Target BHL... 11	18383.68	90.00	180.01	7757.00	S 10681.42	E 3145.83	0.00	11135.04

Sec 34, T1N, R67W

Sec 35, T1N, R67W

TPZ - 9,051.75' MD, 7,757.00' TVD, 460 FNL, 2310 FWL Sec 2

Sec 2 T1S, R67W

5 1/2in Production Casing

TPZ - 9,051.75' MD, 7,757.00' TVD, 460 FNL, 2310 FWL Sec 2

BHL - 18,383.68' MD, 7,757.00' TVD, 470 FSL, 2270 FWL Sec 11

Sec 11, T1S, R67W

BHL - 18,383.68' MD, 7,757.00' TVD, 470 FSL, 2270 FWL Sec 11

<- North(Feet)

Scale 1 cm = 450 ft