

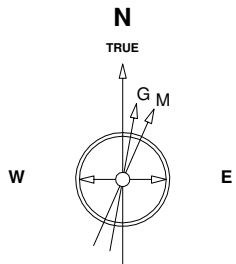
# Great Western Operating Company, LLC

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

**Slot** Slot W12 - Marcus LD 11-372HN  
**Well** Marcus LD 11-372HN  
**Wellbore** Marcus LD 11-372HN (PWB)

Created by admin  
Date plotted 18-May-2016

Plot reference is Marcus LD 11-372HN (PWB).  
Ref wellpath is Marcus LD 11-372HN (PWP#1).  
Coordinates are in Feet reference Slot W12 - Marcus LD 11-372HN.  
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

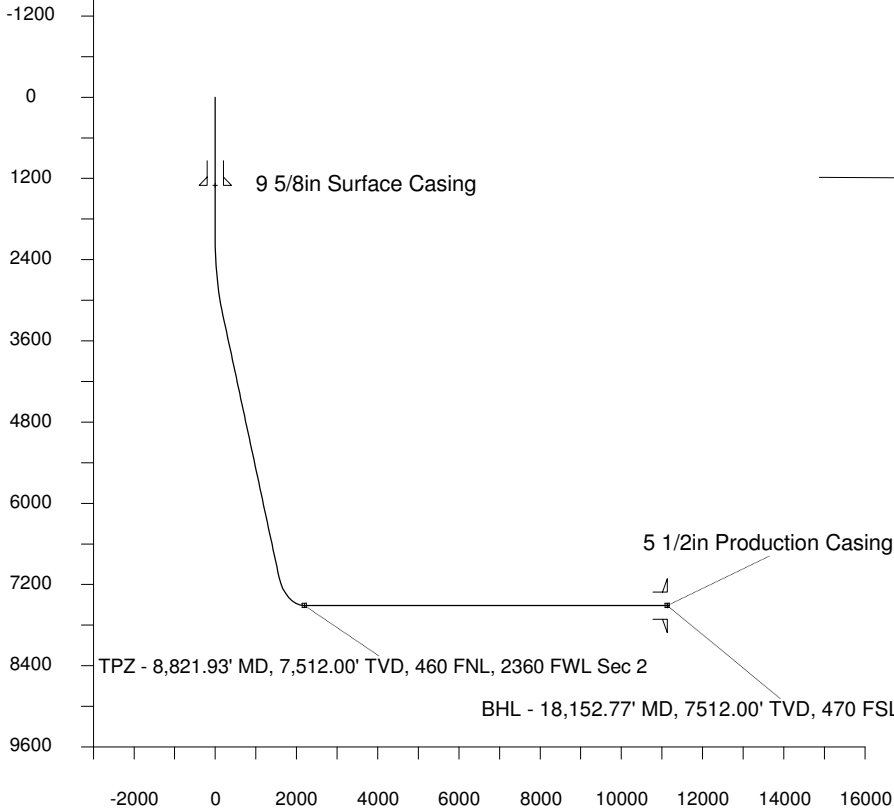
Scale 1 cm = 400 ft

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 163.32 with reference 0.00 N, 0.00 E from Slot W12 - Marcus LD 11-372HN

## 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	2100.00	0.00	104.70	2100.00	S 0.00	W 0.00	0.00	0.00
End of Build	3247.86	34.44	104.70	3179.99	S 84.93	E 323.73	9.84	174.30
End of Hold	8004.43	34.44	104.70	7103.02	S 767.52	E 2925.44	0.00	1575.07
Target TPZ - ... Sec 2	8821.93	90.00	180.00	7512.00	S 1334.56	E 3196.66	32.81	2196.10
T.D. & Target BHL... 11	18152.77	90.00	180.00	7512.00	S 10665.39	E 3196.46	0.00	11134.09

Sec 34, T1N, R67W

Sec 35, T1N, R67W

TPZ - 8,821.93' MD, 7,512.00' TVD, 460 FNL, 2360 FWL Sec 2

Sec 2 T1S, R67W

5 1/2in Production Casing

TPZ - 8,821.93' MD, 7,512.00' TVD, 460 FNL, 2360 FWL Sec 2

BHL - 18,152.77' MD, 7512.00' TVD, 470 FSL, 2320 FWL Sec 11

Sec 11, T1S, R67W

BHL - 18,152.77' MD, 7512.00' TVD, 470 FSL, 2320 FWL Sec 11

<- North(Feet)

Scale 1 cm = 450 ft