

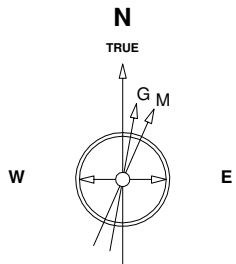
# Great Western Operating Company, LLC

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

**Slot** Slot E03 - Marcus LD 11-368HN  
**Well** Marcus LD 11-368HN  
**Wellbore** Marcus LD 11-368HN (PWB)

Created by admin  
Date plotted 16-Aug-2017

Plot reference is Marcus LD 11-368HN (PWB).  
Ref wellpath is Marcus LD 11-368HN (PWP#1).  
Coordinates are in Feet reference Slot E03 - Marcus LD 11-368HN.  
True Vertical Depths are reference Rig Datum.  
Measured Depths are reference Rig Datum.  
Rig Datum: Planned Datum #1  
Rig Datum to Mean Sea Level: 5058.20 ft.  
Plot North is aligned to TRUE North.



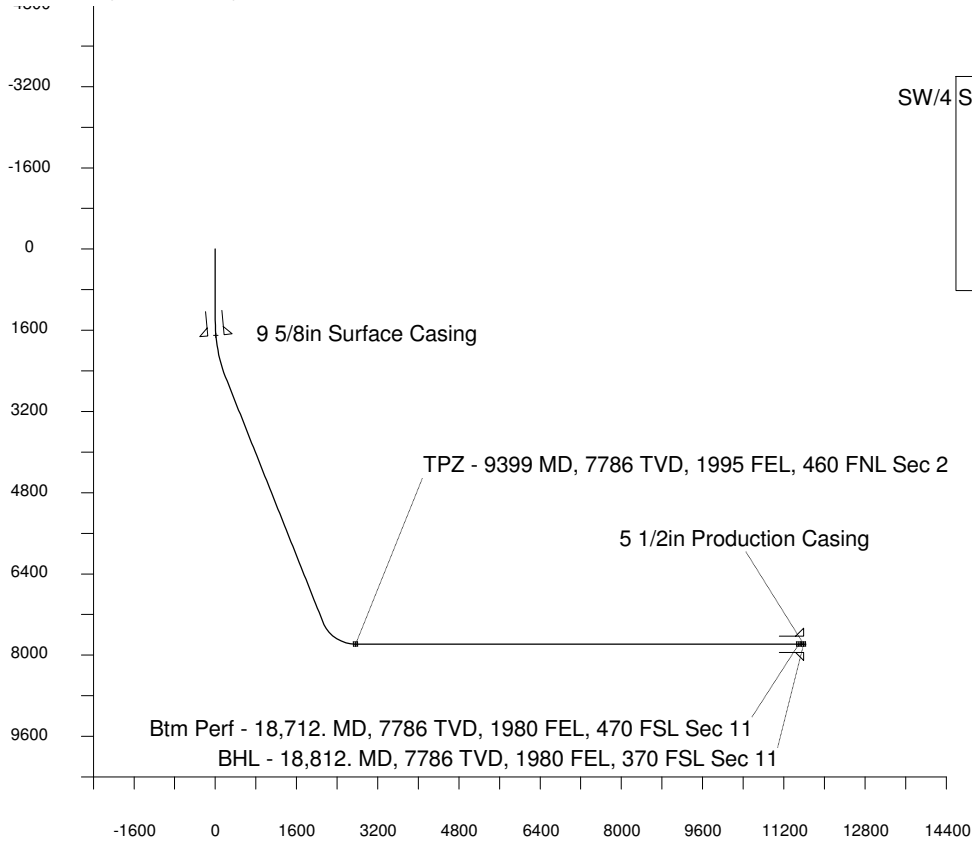
13-Dec-2014  
IGRF Model [1900.0-2020.0] Dip: 66.58 deg Field: 52459.7 nT  
Lat: N40 0 11.6388 Long: W104 52 6.9096 Elev: 5042.00 ft  
Magnetic North is 8.50 deg East of TRUE North  
To correct azimuth from Magnetic to TRUE add 8.50 deg

Scale 1 cm = 500 ft

East (Feet) ->

-5000 -4000 -3000 -2000 -1000 0 1000 2000 3000 4000 5000 6000 7000 8000 9000

Scale  
True Vertical Depth (Feet)



Scale 1 cm = 800 ft

Vertical Section (Feet) ->

Azimuth 159.87 with reference 0.00 N, 0.00 E from Slot E03 - Marcus LD 11-368HN

## 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	103.55	1400.00	S 0.00	W 0.00	0.00	0.00
End of Build	2588.10	35.64	103.55	2512.94	S 83.84	E 347.82	9.84	198.40
End of Hold	8576.27	35.64	103.55	7379.31	S 901.51	E 3740.18	0.00	2133.38
Target TPZ - ... Sec 2	9398.97	90.00	180.21	7786.00	S 1470.28	E 4021.88	32.81	2764.35
Target Btm Pe...Sec 11	18712.38	90.00	180.21	7786.00	S 10783.63	E 3988.35	0.00	11497.50
End of Turn	18713.99	90.00	180.00	7786.00	S 10785.23	E 3988.35	42.65	11499.00
T.D. & Target BHL... 11	18812.38	90.00	180.00	7786.00	S 10883.63	E 3988.35	0.00	11591.39

SW/4 Sec 34, T1N, R67W

S/2 Sec 35, T1N, R67W

TPZ - 9399 MD, 7786 TVD, 1995 FEL, 460 FNL Sec 2

Sec 2, T1S, R67W

Sec 11, T1S, R67W

Btm Perf - 18,712. MD, 7786 TVD, 1980 FEL, 470 FSL Sec 11

BHL - 18,812. MD, 7786 TVD, 1980 FEL, 370 FSL Sec 11

<- North(Feet)

Scale 1 cm = 500 ft