

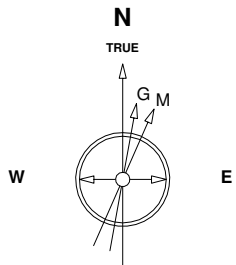
# Great Western Operating Company, LLC

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

**Slot** Slot E04 - Marcus LD 11-367HC  
**Well** Marcus LD 11-367HC  
**Wellbore** Marcus LD 11-367HC (PWB)

Created by admin  
Date plotted 16-Aug-2017

Plot reference is Marcus LD 11-367HC (PWB).  
Ref wellpath is Marcus LD 11-367HC (PWP#1).  
Coordinates are in Feet reference Slot E04 - Marcus LD 11-367HC.  
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.

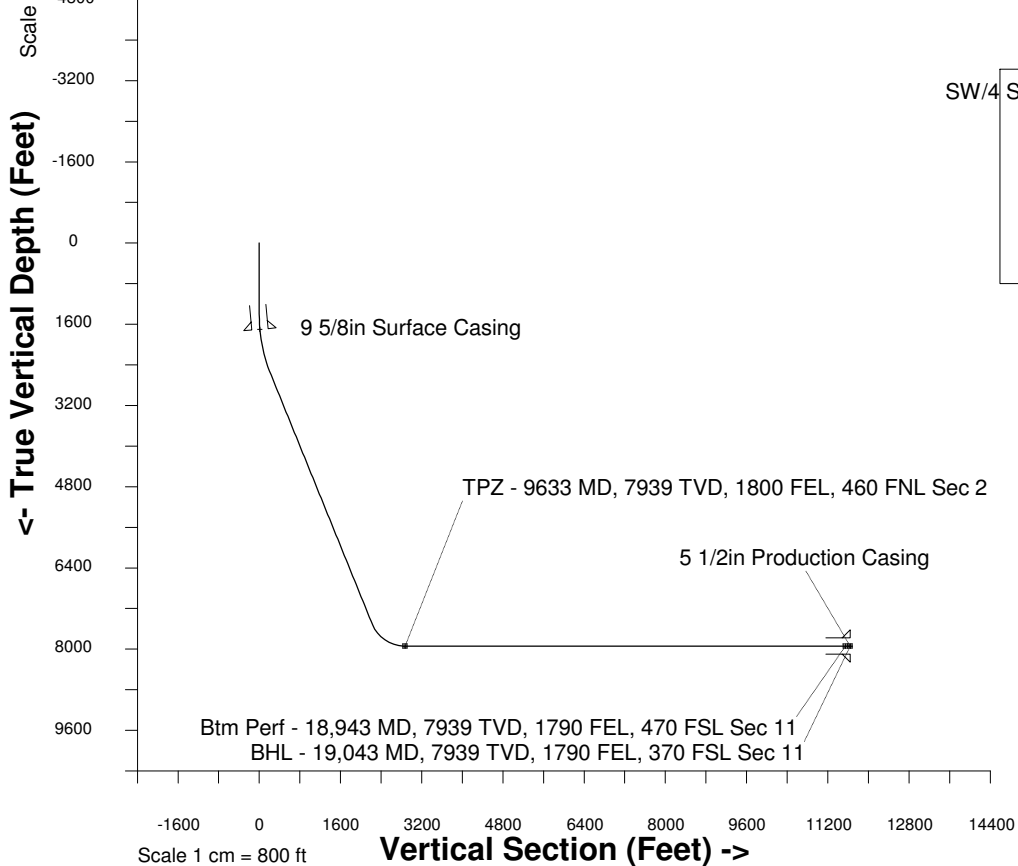


Scale 1 cm = 500 ft

East (Feet) ->

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

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



TPZ - 9633 MD, 7939 TVD, 1800 FEL, 460 FNL Sec 2

SW/4 Sec 34, T1N, R67W S/2 Sec 35, T1N, R67W

Sec 2, T1S, R67W

Sec 11, T1S, R67W

Btm Perf - 18,943 MD, 7939 TVD, 1790 FEL, 470 FSL Sec 11  
BHL - 19,043 MD, 7939 TVD, 1790 FEL, 370 FSL Sec 11

## 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	102.70	1400.00	S 0.00	W 0.00	0.00	0.00
End of Build	2605.75	36.17	102.70	2527.24	S 80.94	E 359.13	9.84	204.44
End of Hold	8805.66	36.17	102.70	7532.07	S 885.44	E 3928.91	0.00	2236.55
Target TPZ - ... Sec 2	9632.50	90.00	180.24	7939.00	S 1454.95	E 4217.05	32.81	2871.52
Target Btm Pe...Sec 11	18943.03	90.00	180.24	7939.00	S 10765.39	E 4177.99	0.00	11547.64
End of Turn	18944.88	90.00	180.00	7939.00	S 10767.24	E 4177.99	42.65	11549.36
T.D. & Target BHL... 11	19043.03	90.00	180.00	7939.00	S 10865.39	E 4177.99	0.00	11640.97

<- North(Feet)

Scale 1 cm = 500 ft