

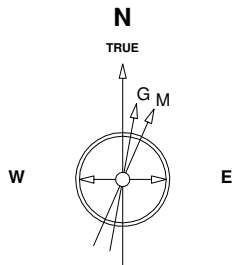
# Great Western Operating Company, LLC

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

**Slot** Slot W13 - Marcus LD 11-371HN  
**Well** Marcus LD 11-371HN  
**Wellbore** Marcus LD 11-371HN (PWB)

Created by admin  
Date plotted 16-Aug-2017

Plot reference is Marcus LD 11-371HN (PWB).  
Ref wellpath is Marcus LD 11-371HN (PWP#1).  
Coordinates are in Feet reference Slot W13 - Marcus LD 11-371HN.  
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.

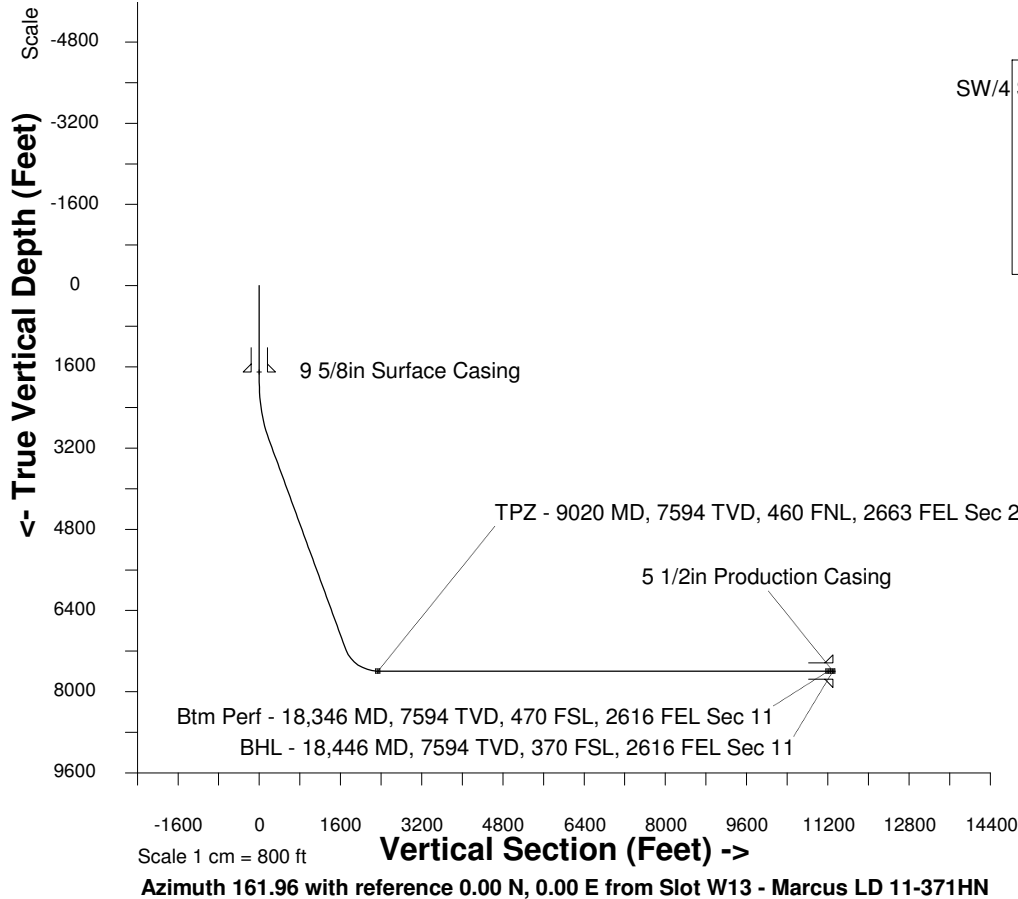


13-Dec-2014  
IGRF Model [1900.0-2020.0] Dip: 66.58 deg Field: 52459.7 nT  
Lat: N40 0 11.6388 Long: W104 52 6.9096 Elev: 5042.00 ft  
Magnetic North is 8.50 deg East of TRUE North  
To correct azimuth from Magnetic to TRUE add 8.50 deg

Scale 1 cm = 500 ft

East (Feet) ->

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



SW/4 Sec 34, T1N, R67W

S/2 Sec 35, T1N, R67W

TPZ - 9020 MD, 7594 TVD, 460 FNL, 2663 FEL Sec 2

Sec 2, T1S, R67W

Sec 11, T1S, R67W

<- North(Feet)

Scale 1 cm = 500 ft

## 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	1900.00	0.00	103.14	1900.00	S 0.00	W 0.00	0.00	0.00
End of Build	3074.90	35.25	103.14	3002.18	S 79.58	E 340.97	9.84	181.26
End of Hold	8195.32	35.25	103.14	7183.89	S 751.18	E 3218.64	0.00	1711.07
Target TPZ - ... Sec 2	9019.98	90.00	180.01	7594.00	S 1319.22	E 3500.81	32.81	2338.57
Target Btm Pe...Sec 11	18345.90	90.00	180.01	7594.00	S 10645.13	E 3499.90	0.00	11205.67
End of Turn	18345.91	90.00	180.00	7594.00	S 10645.15	E 3499.90	42.65	11205.70
T.D. & Target BHL... 11	18445.88	90.00	180.00	7594.00	S 10745.13	E 3499.90	0.00	11300.75

Btm Perf - 18,346 MD, 7594 TVD, 470 FSL, 2616 FEL Sec 11

BHL - 18,446 MD, 7594 TVD, 370 FSL, 2616 FEL Sec 11