

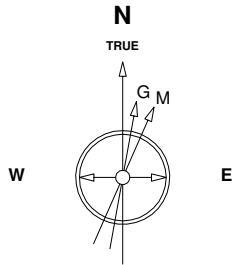
# Great Western Operating Company, LLC

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

**Slot** Slot E07 - Marcus LD 11-365HC  
**Well** Marcus LD 11-365HC  
**Wellbore** Marcus LD 11-365HC (PWB)

Created by admin  
Date plotted 16-Aug-2017

Plot reference is Marcus LD 11-365HC (PWB).  
Ref wellpath is Marcus LD 11-365HC (PWP#1).  
Coordinates are in Feet reference Slot E07 - Marcus LD 11-365HC.  
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.



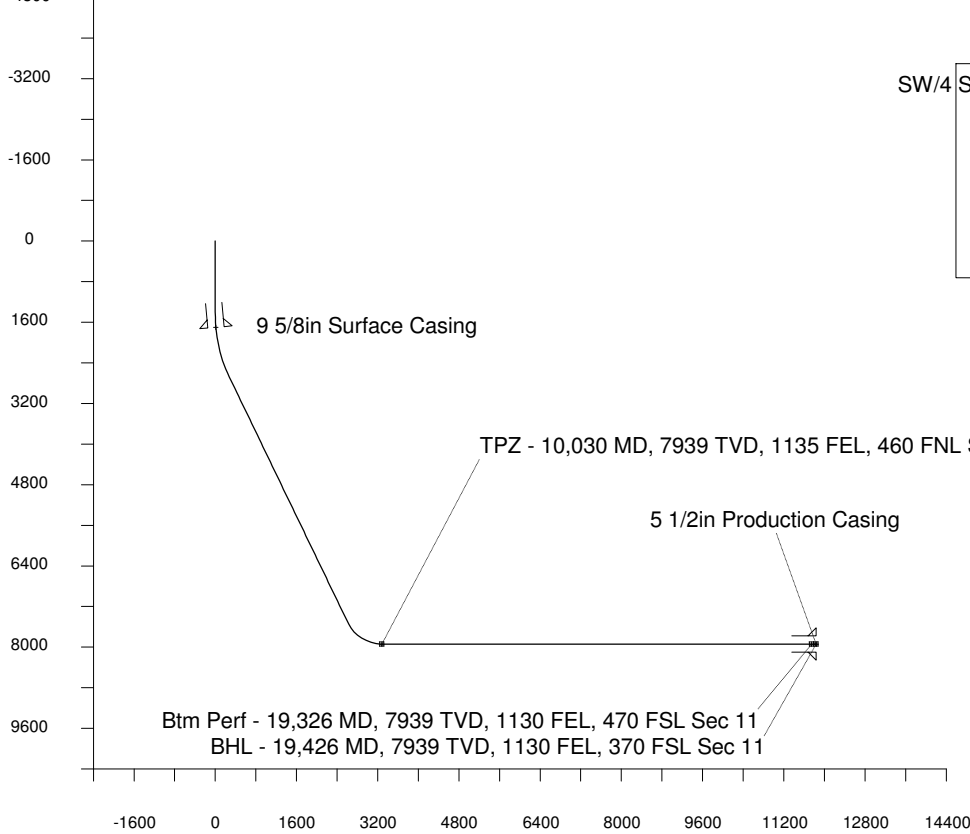
Scale 1 cm = 500 ft

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

Scale  
True Vertical Depth (Feet)



Scale 1 cm = 800 ft

Vertical Section (Feet) ->

Azimuth 155.89 with reference 0.00 N, 0.00 E from Slot E07 - Marcus LD 11-365HC

## 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	100.44	1400.00	S 0.00	W 0.00	0.00	0.00
End of Build	2746.23	40.39	100.44	2637.49	S 82.47	E 447.61	9.84	258.15
End of Hold	9195.73	40.39	100.44	7549.97	S 839.68	E 4557.37	0.00	2628.32
Target TPZ - ... Sec 2	10030.01	90.00	180.27	7939.00	S 1410.39	E 4880.44	32.81	3281.22
Target Btm Pe...Sec 11	19326.35	90.00	180.27	7939.00	S 10706.62	E 4837.15	0.00	11748.53
End of Turn	19328.41	90.00	180.00	7939.00	S 10708.68	E 4837.15	42.65	11750.41
T.D. & Target BHL... 11	19426.35	90.00	180.00	7939.00	S 10806.62	E 4837.15	0.00	11839.81

TPZ - 10,030 MD, 7939 TVD, 1135 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 - 19,326 MD, 7939 TVD, 1130 FEL, 470 FSL Sec 11

BHL - 19,426 MD, 7939 TVD, 1130 FEL, 370 FSL Sec 11

<- North(Feet)

Scale 1 cm = 500 ft