

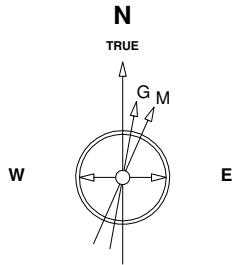
# Great Western Operating Company, LLC

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

**Slot** Slot E01 - Marcus LD 11-370HC  
**Well** Marcus LD 11-370HC  
**Wellbore** Marcus LD 11-370HC (PWB)

Created by admin  
Date plotted 16-Aug-2017

Plot reference is Marcus LD 11-370HC (PWB).  
Ref wellpath is Marcus LD 11-370HC (PWP#1).  
Coordinates are in Feet reference Slot E01 - Marcus LD 11-370HC.  
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.

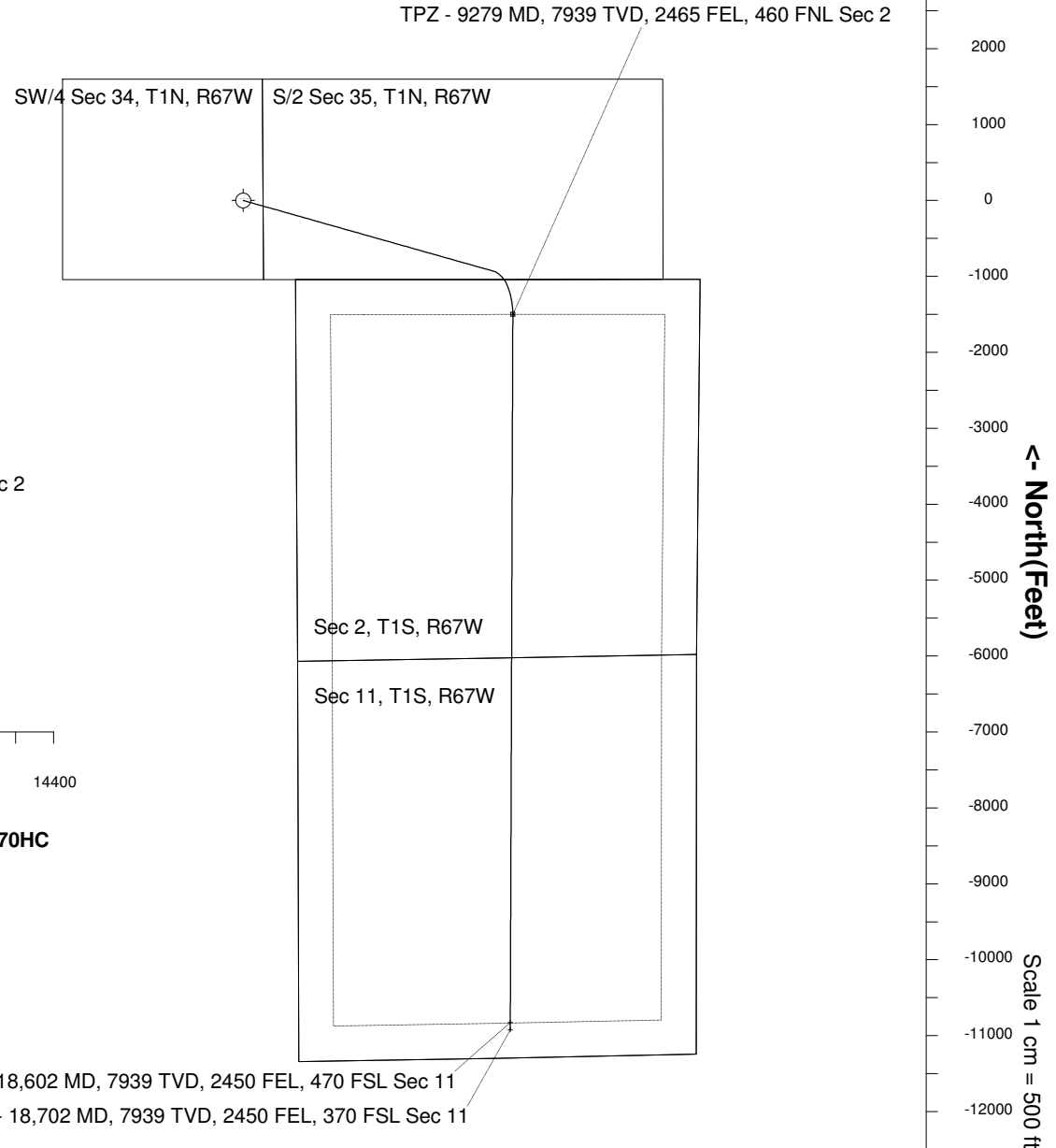
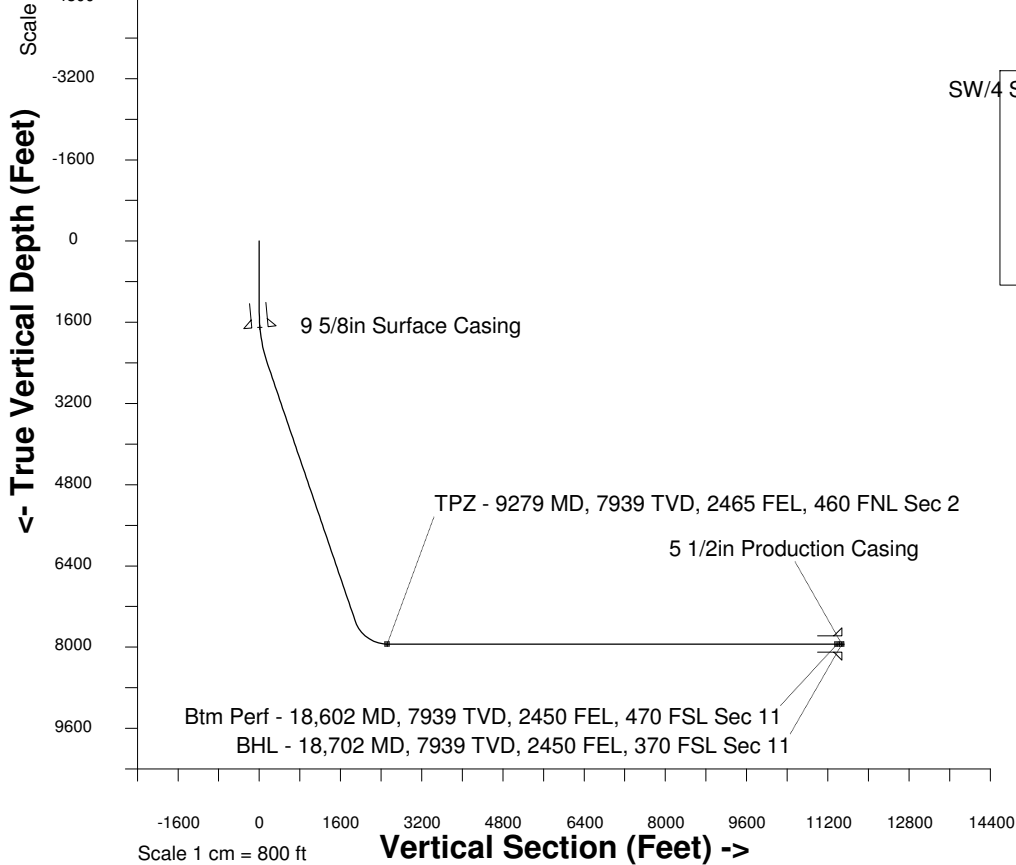


Scale 1 cm = 500 ft

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



## 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	105.78	1400.00	S 0.00	W 0.00	0.00	0.00
End of Build	2453.96	31.62	105.78	2401.27	S 77.08	E 272.83	9.84	157.03
End of Hold	8459.78	31.62	105.78	7515.56	S 933.18	E 3302.85	0.00	1900.96
Target TPZ - ... Sec 2	9278.86	90.00	180.20	7939.00	S 1501.31	E 3551.97	32.81	2518.11
Target Btm Pe...Sec 11	18601.74	90.00	180.20	7939.00	S 10824.14	E 3519.11	0.00	11381.79
End of Turn	18603.32	90.00	180.00	7939.00	S 10825.71	E 3519.11	42.65	11383.29
T.D. & Target BHL... 11	18701.74	90.00	180.00	7939.00	S 10924.14	E 3519.11	0.00	11476.98

Btm Perf - 18,602 MD, 7939 TVD, 2450 FEL, 470 FSL Sec 11

BHL - 18,702 MD, 7939 TVD, 2450 FEL, 370 FSL Sec 11