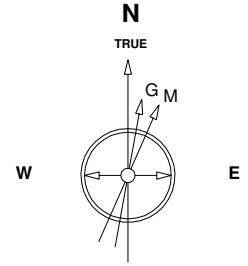


# Great Western Operating Company, LLC

**Location** Colorado  
**Field** Wattenberg  
**Installation** Marcus

**Slot** Slot W02 - Marcus LD 11-379HC  
**Well** Marcus LD 11-379HC  
**Wellbore** Marcus LD 11-379HC (PWB)

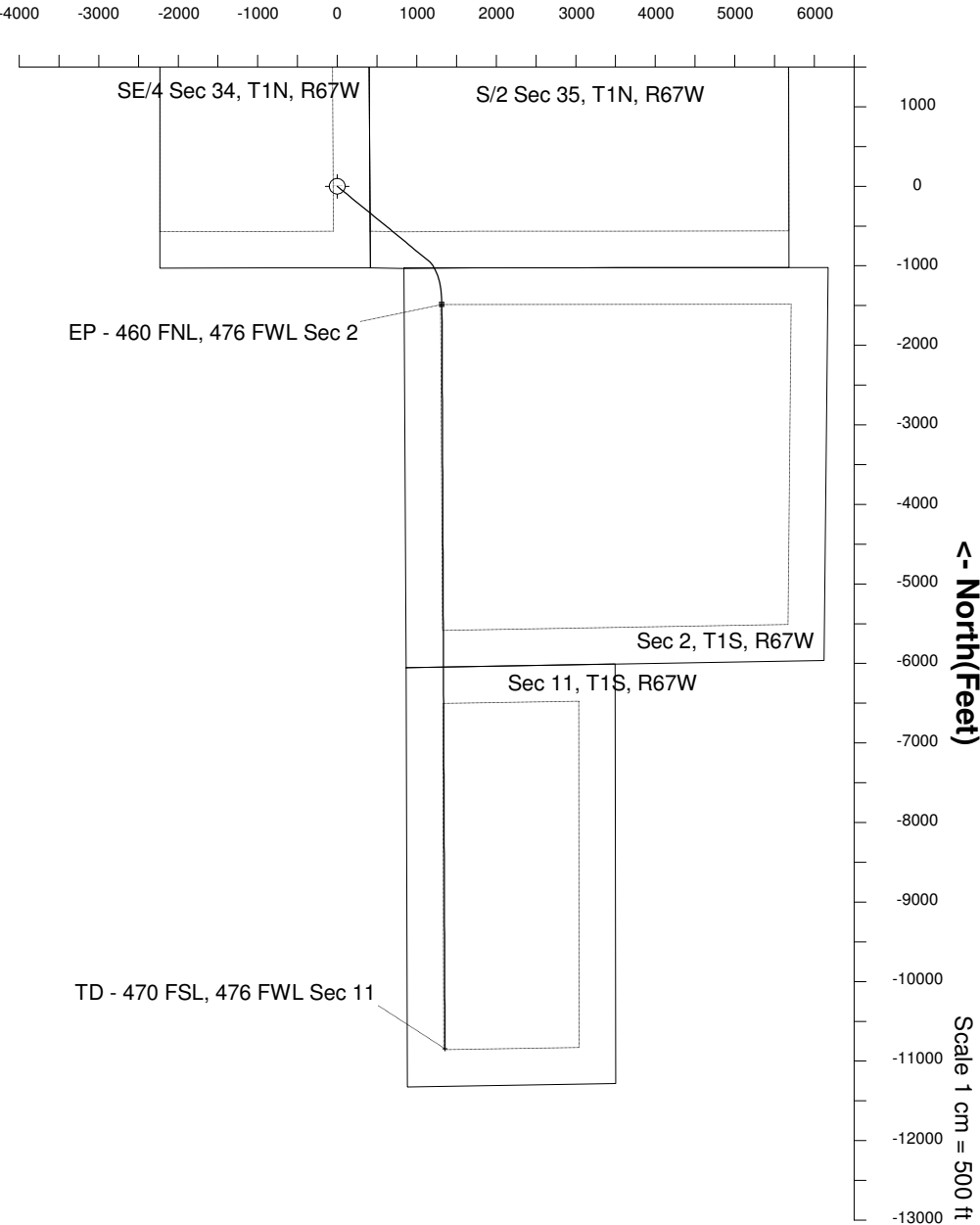
Created by admin  
Date plotted 11-Nov-2015  
Plot reference is Marcus LD 11-379HC (PWB).  
Ref wellpath is Marcus LD 11-379HC (PWP#1).  
Coordinates are in Feet reference Slot W02 - Marcus LD 11-379HC.  
True Vertical Depths are reference Rig Datum.  
Measured Depths are reference Rig Datum.  
Rig Datum: 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) ->



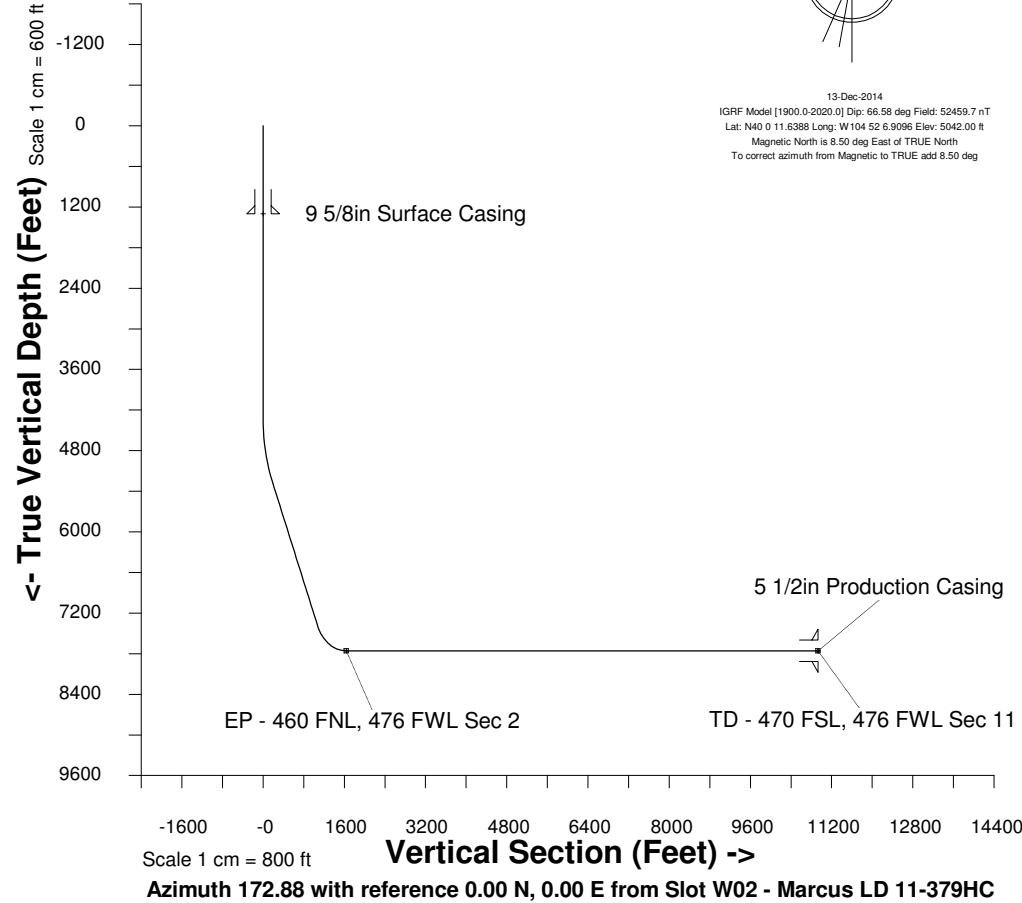
<- True Vertical Depth (Feet)

Scale 1 cm = 600 ft

<- North(Feet)

Scale 1 cm = 800 ft

Azimuth 172.88 with reference 0.00 N, 0.00 E from Slot W02 - Marcus LD 11-379HC



## 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	4310.00	0.00	129.23	4310.00	S 0.00	W 0.00	0.00	0.00
End of Build	5311.64	30.05	129.23	5266.35	S 162.33	E 198.85	9.84	185.73
End of Hold	7776.99	30.05	129.23	7400.35	S 943.02	E 1155.15	0.00	1078.98
Target EP - 4... Sec 2	8491.41	90.00	179.76	7757.00	S 1485.53	E 1316.68	32.81	1637.33
T.D. & Target TD ... 11	17851.83	90.00	179.76	7757.00	S 10845.87	E 1355.29	0.00	10930.22