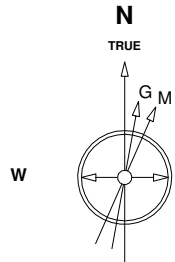


# Great Western Operating Company, LLC

Created by admin  
Date plotted 24-Aug-2017  
Plot reference is Brant LE 08-239HN (PWB).  
Ref wellpath is Brant LE 08-239HN (PWP#1).  
Coordinates are in Feet reference S02 - Brant LE 08-239HN.  
True Vertical Depths are reference Rig Datum.  
Measured Depths are reference Rig Datum.  
Rig Datum: Planned Datum #1  
Rig Datum to Mean Sea Level: 4992.00 ft.  
Plot North is aligned to TRUE North.

**Location** Colorado  
**Field** Wattenburg  
**Installation** Brant  
**Slot** S02 - Brant LE 08-239HN  
**Well** Brant LE 08-239HN  
**Wellbore** Brant LE 08-239HN (PWB)



Scale 1 cm = 500 ft

East (Feet) ->

-2000 -1000 0 1000 2000 3000 4000 5000 6000 7000 8000 9000 10000 11000 12000 13000 14000 15000 16000 17000

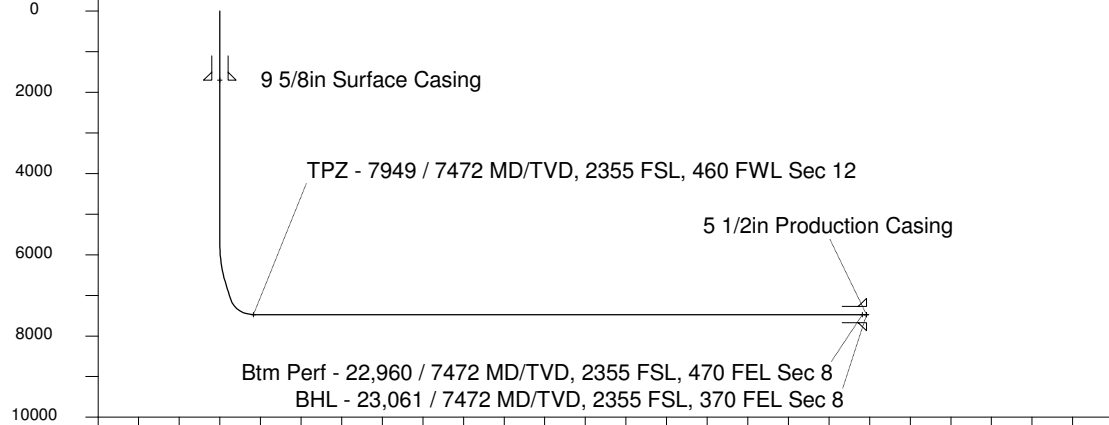
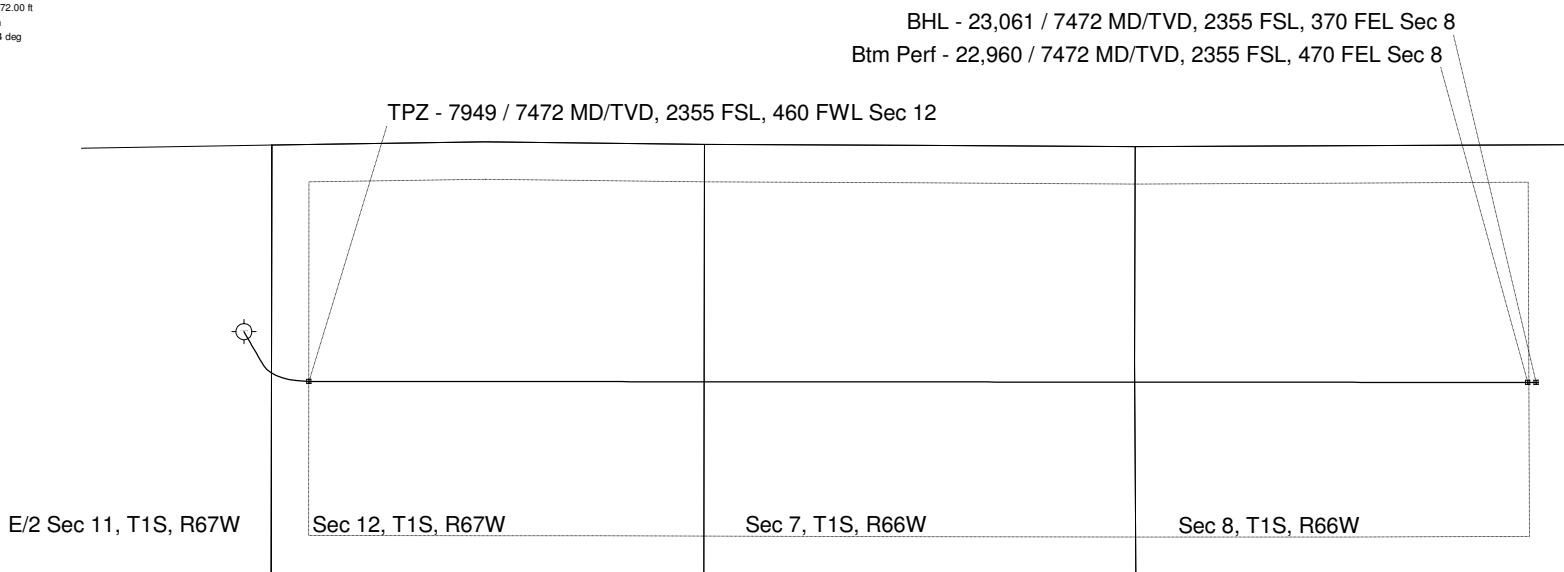
14-Apr-2017  
IGRF Model [1900.0-2020.0] Dip: 66.51 deg Field: 52184.6 nT  
Lat: N39 58 49.6308 Long: W104 50 52.6488 Elev: 4972.00 ft  
Magnetic North is 8.24 deg East of TRUE North  
To correct azimuth from Magnetic to TRUE add 8.24 deg

Scale 1 cm = 1000 ft

True Vertical Depth (Feet)

Scale 1 cm = 500 ft

North(Feet)



Scale 1 cm = 1000 ft

Vertical Section (Feet) ->

Azimuth 92.25 with reference 0.00 N, 0.00 E from S02 - Brant LE 08-239HN

## WELL PROFILE DATA

Point	MD	Inc	Azi	TVD	North	East	deg/100ft	V. Sect
Tie on	0.00	0.00	0.00	0.00	S 0.00	W 0.00		0.00
KOP	5733.70	0.00	149.78	5733.70	S 0.00	W 0.00	0.00	0.00
End of Build	6733.78	30.00	149.78	6688.70	S 221.14	E 128.80	9.84	137.39
End of Hold	7195.44	30.00	149.78	7088.49	S 420.61	E 244.98	0.00	261.32
Target TPZ - ...Sec 12	7949.45	90.00	90.05	7472.00	S 612.35	E 799.27	32.81	822.71
Target Btm Pe... Sec 8	22960.22	90.00	90.05	7472.00	S 625.55	E 15810.04	0.00	15822.41
End of Turn	22960.89	90.00	89.96	7472.00	S 625.55	E 15810.71	42.65	15823.08
T.D. & Target BHL...c 8	23060.55	90.00	89.96	7472.00	S 625.49	E 15910.37	0.00	15922.66