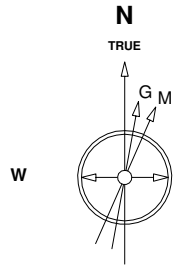


# Great Western Operating Company, LLC

**Location** Colorado  
**Field** Wattenburg  
**Installation** Brant  
**Slot** S10 - Brant LE 08-359HN  
**Well** Brant LE 08-359HN  
**Wellbore** Brant LE 08-359HN (PWB)

Created by admin  
 Date plotted 24-Aug-2017  
 Plot reference is Brant LE 08-359HN (PWB).  
 Ref wellpath is Brant LE 08-359HN (PWP#1).  
 Coordinates are in Feet reference S10 - Brant LE 08-359HN.  
 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.



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

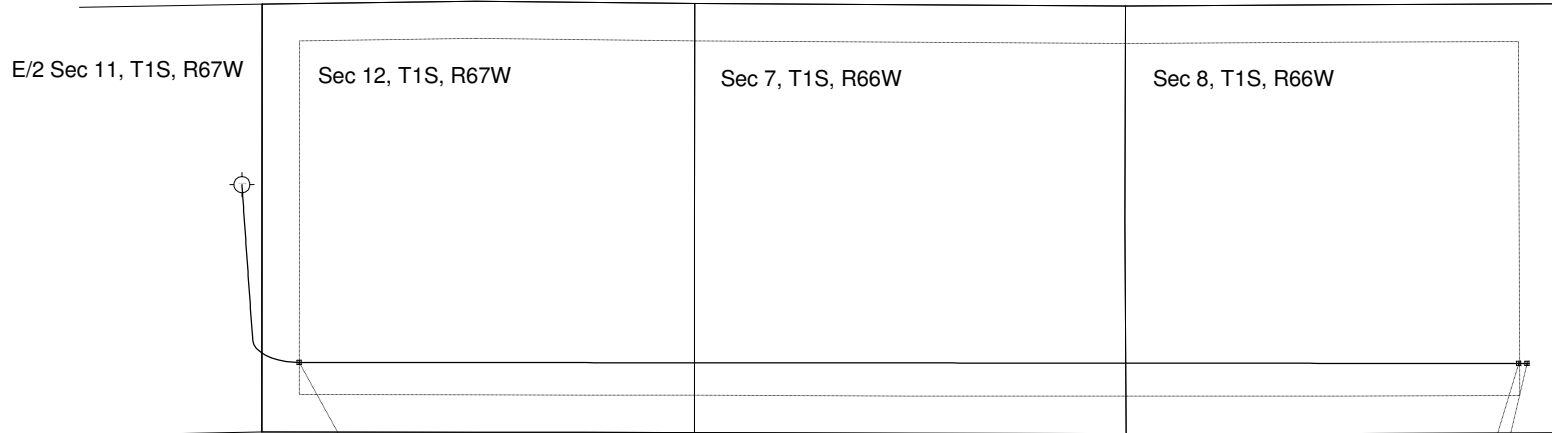
14-Apr-2017  
 IGRF Model [1900.0-2020.0] Dip: 66.51 deg Field: 52184.6 nT  
 Lat: N39 58 49.6308 Long: W104 50 52.6488 Elev: 4972.00 ft  
 Magnetic North is 8.24 deg East of TRUE North  
 To correct azimuth from Magnetic to TRUE add 8.24 deg

Scale 1 cm = 1000 ft

<- True Vertical Depth (Feet)

<- North(Feet)

Scale 1 cm = 500 ft



TPZ - 8363 / 7472 MD/TVD, 855 FSL, 460 FWL Sec 12

Btm Perf - 23,381 / 7472 MD/TVD, 855 FSL, 470 FEL Sec 8  
 BHL - 23,481 / 7472 MD/TVD, 855 FSL, 370 FEL Sec 8

9 5/8in Surface Casing

TPZ - 8363 / 7472 MD/TVD, 855 FSL, 460 FWL Sec 12

5 1/2in Production Casing

Btm Perf - 23,381 / 7472 MD/TVD, 855 FSL, 470 FEL Sec 8  
 BHL - 23,481 / 7472 MD/TVD, 855 FSL, 370 FEL Sec 8

-2000 0 2000 4000 6000 8000 10000 12000 14000 16000 18000 20000 22000

Scale 1 cm = 1000 ft Vertical Section (Feet) ->

Azimuth 97.92 with reference 0.00 N, 0.00 E from S10 - Brant LE 08-359HN

## 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	3161.00	0.00	176.04	3161.00	S 0.00	W 0.00	0.00	0.00
End of Build	4160.94	30.00	176.04	4115.88	S 255.23	E 17.65	9.84	52.66
End of Hold	7482.90	30.00	176.04	6992.84	S 1912.16	E 132.23	0.00	394.51
Target TPZ - ...Sec 12	8362.88	90.00	90.05	7472.00	S 2188.62	E 704.59	32.81	999.52
Target Btm Pe... Sec 8	23381.29	90.00	90.05	7472.00	S 2201.87	E 15722.99	0.00	15876.41
End of Turn	23381.96	90.00	89.96	7472.00	S 2201.87	E 15723.66	42.65	15877.08
T.D. & Target BHL...c 8	23481.06	90.00	89.96	7472.00	S 2201.80	E 15822.76	0.00	15975.23