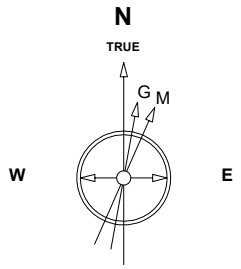
Great Western Operating Company, LLC

Location	Colorado	**Slot**	S11 - Brant LE 08-359HNX
Field	Wattenburg	**Well**	Brant LE 08-359HNX
Installation	Brant	**Wellbore**	Brant LE 08-359HNX (PWB)

Created by admin
Date plotted 25-Jan-2019

Plot reference is Brant LE 08-359HNX (PWB).
Ref wellpath is Brant LE 08-359HNX (PWP#1).
Coordinates are in Feet reference S11 - Brant LE 08-359HNX.
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.



Apr-14-2017
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 = 500 ft

East (Feet) ->

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

Sec 11, T1S, R67W | Sec 12, T1S, R67W | Sec 7, T1S, R66W | Sec 8, T1S, R66W

TPZ - 8125 / 7201 MD/TVD, 755 FSL, 460 FWL Sec 12

Btm Perf - 23,144 / 7201 MD/TVD, 755 FSL, 470 FEL Sec 8
BHL - 23,243 / 7201 MD/TVD, 755 FSL, 370 FEL Sec 8

<- North(Feet)

4000 3000 2000 1000 0 -1000 -2000 -3000 -4000 -5000 -6000

Scale 1 cm = 500 ft

Scale 1 cm = 1000 ft

<- True Vertical Depth (Feet)

-16000 -14000 -12000 -10000 -8000 -6000 -4000 -2000 0 2000 4000 6000 8000 10000

9 5/8in Surface Casing

TPZ - 8125 / 7201 MD/TVD, 755 FSL, 460 FWL Sec 12

5 1/2in Production Casing

Btm Perf - 23,144 / 7201 MD/TVD, 755 FSL, 470 FEL Sec 8
BHL - 23,243 / 7201 MD/TVD, 755 FSL, 370 FEL Sec 8

-2000 0 2000 4000 6000 8000 10000 12000 14000 16000 18000 20000 22

Scale 1 cm = 1000 ft

Vertical Section (Feet) ->

Azimuth 98.36 with reference 0.00 N, 0.00 E from S11 - Brant LE 08-359HNX

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	2675.00	0.00	176.28	2675.00	S 0.00	W 0.00	0.00	0.00
End of Build	3674.84	30.00	176.28	3629.79	S 255.25	E 16.61	3.00	53.56
End of Hold	7243.92	30.00	176.28	6720.85	S 2035.77	E 132.47	0.00	427.14
Target TPZ - ...Sec 12	8125.06	90.00	90.05	7201.00	S 2312.84	E 704.87	10.00	1033.76
Target Btm Pe... Sec 8	23143.53	90.00	90.05	7201.00	S 2326.09	E 15723.33	0.00	15894.45
End of Turn	23144.20	90.00	89.96	7201.00	S 2326.09	E 15724.00	13.00	15895.12
T.D. & Target BHL...c 8	23243.30	90.00	89.96	7201.00	S 2326.03	E 15823.11	0.00	15993.16