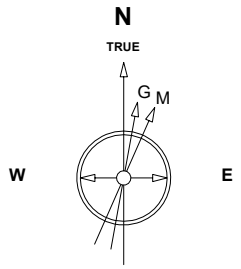
Great Western Operating Company, LLC

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

Created by admin
Date plotted 25-Jan-2019

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.



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 - 8367 / 7472 MD/TVD, 855 FSL, 460 FWL Sec 12

Btm Perf - 23,385 / 7472 MD/TVD, 855 FSL, 470 FEL Sec 8
BHL - 23,485 / 7472 MD/TVD, 855 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 - 8367 / 7472 MD/TVD, 855 FSL, 460 FWL Sec 12

5 1/2in Production Casing

Btm Perf - 23,385 / 7472 MD/TVD, 855 FSL, 470 FEL Sec 8
BHL - 23,485 / 7472 MD/TVD, 855 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 97.97 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	3135.00	0.00	175.73	3135.00	S 0.00	W 0.00	0.00	0.00
End of Build	4134.99	30.00	175.73	4089.92	S 255.15	E 19.07	3.00	54.25
End of Hold	7488.52	30.00	175.73	6994.17	S 1927.24	E 144.05	0.00	409.77
Target TPZ - ...Sec 12	8366.91	90.00	90.05	7472.00	S 2202.82	E 716.36	10.00	1014.75
Target Btm Pe... Sec 8	23385.31	90.00	90.05	7472.00	S 2216.07	E 15734.76	0.00	15890.04
End of Turn	23385.98	90.00	89.96	7472.00	S 2216.07	E 15735.43	13.00	15890.71
T.D. & Target BHL...c 8	23485.09	90.00	89.96	7472.00	S 2216.00	E 15834.54	0.00	15988.85