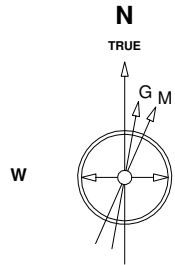


# Great Western Operating Company, LLC

**Location** Colorado  
**Field** Wattenburg  
**Installation** Brant  
**Slot** S05 - Brant LE 08-242HN  
**Well** Brant LE 08-242HN  
**Wellbore** Brant LE 08-242HN (PWB)

Created by admin  
 Date plotted 24-Aug-2017  
 Plot reference is Brant LE 08-242HN (PWB).  
 Ref wellpath is Brant LE 08-242HN (PWP#1).  
 Coordinates are in Feet reference S05 - Brant LE 08-242HN.  
 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)

Scale 1 cm = 500 ft

<- North(Feet)

E/2 Sec 11, T1S, R67W

Sec 12, T1S, R67W

Sec 7, T1S, R66W

Sec 8, T1S, R66W

TPZ - 7955 / 7347 MD/TVD, 1875 FSL, 460 FWL Sec 12

Btm Perf - 22,968 / 7347 MD/TVD, 1875 FSL, 470 FEL Sec 8

BHL - 23,068 / 7347 MD/TVD, 1875 FSL, 370 FEL Sec 8

9 5/8in Surface Casing

TPZ - 7955 / 7347 MD/TVD, 1875 FSL, 460 FWL Sec 12

5 1/2in Production Casing

Btm Perf - 22,968 / 7347 MD/TVD, 1875 FSL, 470 FEL Sec 8

BHL - 23,068 / 7347 MD/TVD, 1875 FSL, 370 FEL Sec 8

Scale 1 cm = 1000 ft

Vertical Section (Feet) ->

Azimuth 94.09 with reference 0.00 N, 0.00 E from S05 - Brant LE 08-242HN

## 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	4847.00	0.00	167.40	4847.00	S 0.00	W 0.00	0.00	0.00
End of Build	5847.15	30.00	167.40	5802.06	S 249.79	E 55.82	9.84	73.47
End of Hold	7117.86	30.00	167.40	6902.48	S 869.93	E 194.40	0.00	255.89
Target TPZ - ...Sec 12	7955.00	90.00	90.05	7347.00	S 1120.89	E 763.70	32.81	841.61
Target Btm Pe... Sec 8	22968.03	90.00	90.05	7347.00	S 1134.11	E 15776.71	0.00	15817.42
End of Turn	22968.70	90.00	89.96	7347.00	S 1134.11	E 15777.38	42.65	15818.09
T.D. & Target BHL...c 8	23068.36	90.00	89.96	7347.00	S 1134.05	E 15877.05	0.00	15917.43