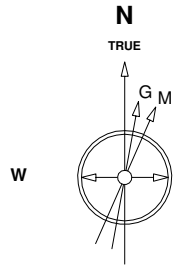


Great Western Operating Company, LLC

Created by admin
Date plotted 24-Aug-2017

Location Colorado **Slot** S07 - Brant LE 08-282HNX
Field Wattenburg **Well** Brant LE 08-282HNX
Installation Brant **Wellbore** Brant LE 08-282HNX (PWB)

Plot reference is Brant LE 08-282HNX (PWB).
 Ref wellpath is Brant LE 08-282HNX (PWP#1).
 Coordinates are in Feet reference S07 - Brant LE 08-282HNX.
 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

E/2 Sec 11, T1S, R67W

Sec 12, T1S, R67W

Sec 7, T1S, R66W

Sec 8, T1S, R66W

TPZ - 7912 / 7201 MD/TVD, 1505 FSL, 460 FWL Sec 12

Btm Perf - 22,930 / 7201 MD/TVD, 1505 FSL, 470 FEL Sec 8

BHL - 23,030 / 7201 MD/TVD, 1505 FSL, 370 FEL Sec 8

9 5/8in Surface Casing

TPZ - 7912 / 7201 MD/TVD, 1505 FSL, 460 FWL Sec 12

5 1/2in Production Casing

Btm Perf - 22,930 / 7201 MD/TVD, 1505 FSL, 470 FEL Sec 8

BHL - 23,030 / 7201 MD/TVD, 1505 FSL, 370 FEL Sec 8

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	4049.50	0.00	172.27	4049.50	S 0.00	W 0.00	0.00	0.00
End of Build	5049.50	30.00	172.27	5004.43	S 253.55	E 34.43	9.84	58.52
End of Hold	7050.49	30.00	172.27	6737.34	S 1244.95	E 169.04	0.00	287.36
Target TPZ - ...Sec 12	7911.67	90.00	90.05	7201.00	S 1510.68	E 740.45	32.81	881.57
Target Btm Pe... Sec 8	22926.60	90.00	90.05	7201.00	S 1523.91	E 15755.37	0.00	15828.89
End of Turn	22927.27	90.00	89.96	7201.00	S 1523.91	E 15756.04	42.65	15829.56
T.D. & Target BHL...c 8	23029.93	90.00	89.96	7201.00	S 1523.85	E 15855.70	0.00	15928.78

Scale 1 cm = 1000 ft

Vertical Section (Feet) ->

Azimuth 95.49 with reference 0.00 N, 0.00 E from S07 - Brant LE 08-282HNX