

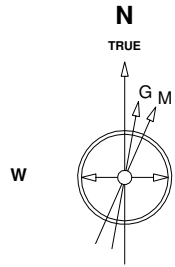
Great Western Operating Company, LLC

Created by admin

Date plotted 24-Aug-2017

Location Colorado **Slot** S12 - Brant LE 08-362HC
Field Wattenburg **Well** Brant LE 08-362HC
Installation Brant **Wellbore** Brant LE 08-362HC (PWB)

Plot reference is Brant LE 08-362HC (PWB).
 Ref wellpath is Brant LE 08-362HC (PWP#1).
 Coordinates are in Feet reference S12 - Brant LE 08-362HC.
 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 - 8609 / 7622 MD/TVD, 515 FSL, 460 FWL Sec 12

Btm Perf - 23,628 / 7622 MD/TVD, 515 FSL, 470 FEL Sec 8

BHL - 23,728 / 7622 MD/TVD, 515 FSL, 370 FEL Sec 8

9 5/8in Surface Casing

TPZ - 8609 / 7622 MD/TVD, 515 FSL, 460 FWL Sec 12

5 1/2in Production Casing

Btm Perf - 23,628 / 7622 MD/TVD, 515 FSL, 470 FEL Sec 8

BHL - 23,728 / 7622 MD/TVD, 515 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 99.21 with reference 0.00 N, 0.00 E from S12 - Brant LE 08-362HC

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	2693.00	0.00	177.24	2693.00	S 0.00	W 0.00	0.00	0.00
End of Build	3693.12	30.00	177.24	3648.03	S 255.64	E 12.32	9.84	53.07
End of Hold	7722.95	30.00	177.24	7137.84	S 2268.43	E 109.36	0.00	470.93
Target TPZ - ...Sec 12	8608.90	90.00	90.05	7622.00	S 2548.17	E 681.90	32.81	1080.85
Target Btm Pe... Sec 8	23628.35	90.00	90.05	7622.00	S 2561.43	E 15701.34	0.00	15908.89
End of Turn	23629.02	90.00	89.96	7622.00	S 2561.43	E 15702.01	42.65	15909.56
T.D. & Target BHL...c 8	23728.13	90.00	89.96	7622.00	S 2561.37	E 15801.12	0.00	16007.37