

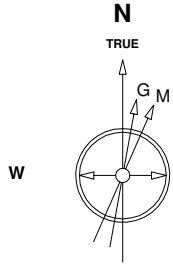
Great Western Operating Company, LLC

Created by admin

Date plotted 24-Aug-2017

Location	Colorado	Slot	N10 - Brant LE 08-042HN
Field	Wattenburg	Well	Brant LE 08-042HN
Installation	Brant	Wellbore	Brant LE 08-042HN (PWB)

Plot reference is Brant LE 08-042HN (PWB).
 Ref wellpath is Brant LE 08-042HN (PWP#1).
 Coordinates are in Feet reference N10 - Brant LE 08-042HN.
 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) ->

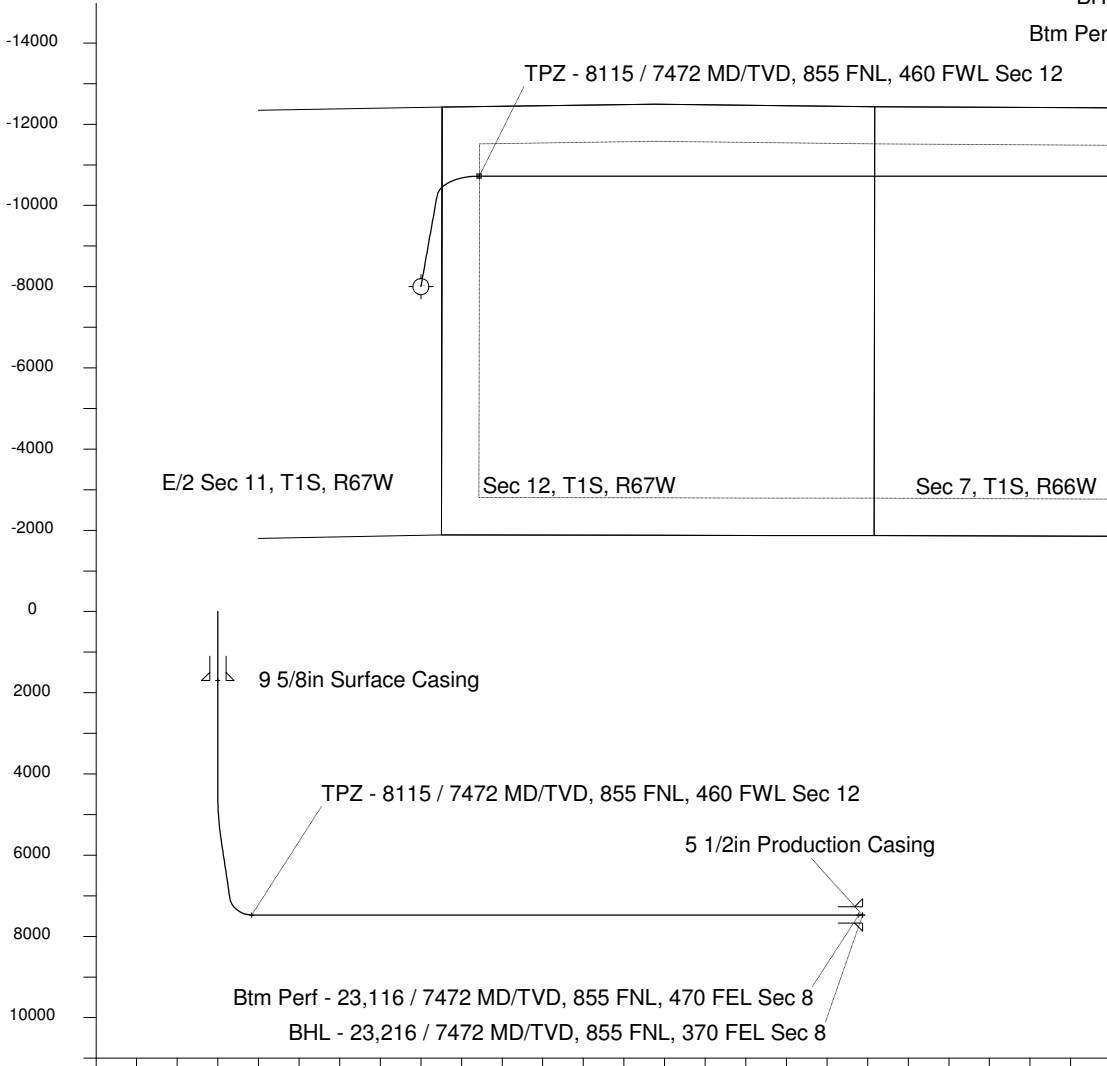
-2000 -1000 0 1000 2000 3000 4000 5000 6000 7000 8000 9000 10000 11000 12000 13000 14000 15000 16000 17000



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)



BHL - 23,216 / 7472 MD/TVD, 855 FNL, 370 FEL Sec 8
 Btm Perf - 23,116 / 7472 MD/TVD, 855 FNL, 470 FEL Sec 8

TPZ - 8115 / 7472 MD/TVD, 855 FNL, 460 FWL Sec 12

E/2 Sec 11, T1S, R67W

Sec 12, T1S, R67W

Sec 7, T1S, R66W

Sec 8, T1S, R66W

Btm Perf - 23,116 / 7472 MD/TVD, 855 FNL, 470 FEL Sec 8

BHL - 23,216 / 7472 MD/TVD, 855 FNL, 370 FEL Sec 8

Scale 1 cm = 1000 ft

Vertical Section (Feet) ->

Azimuth 85.10 with reference 0.00 N, 0.00 E from N10 - Brant LE 08-042HN

4000

3000

2000

1000

0

-1000

-2000

-3000

-4000

-5000

-6000

<- North(Feet)

Scale 1 cm = 500 ft

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	4564.00	0.00	10.08	4564.00	S 0.00	W 0.00	0.00	0.00
End of Build	5564.09	30.00	10.08	5519.00	N 251.97	E 44.79	9.84	66.14
End of Hold	7342.07	30.00	10.08	7058.74	N 1127.30	E 200.38	0.00	295.93
Target TPZ - ...Sec 12	8114.70	90.00	90.02	7472.00	N 1362.07	E 719.34	36.09	833.04
Target Btm Pe... Sec 8	23116.09	90.00	90.02	7472.00	N 1356.84	E 15720.73	0.00	15779.17
End of Turn	23118.89	90.00	90.38	7472.00	N 1356.83	E 15723.54	42.65	15781.97
T.D. & Target BHL...c 8	23216.41	90.00	90.38	7472.00	N 1356.17	E 15821.05	0.00	15879.07