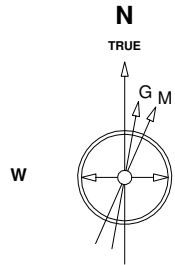


Great Western Operating Company, LLC

Location Colorado
Field Wattenburg
Installation Brant
Slot N13 - Brant LE 08-039HN
Well Brant LE 08-039HN
Wellbore Brant LE 08-039HN (PWB)

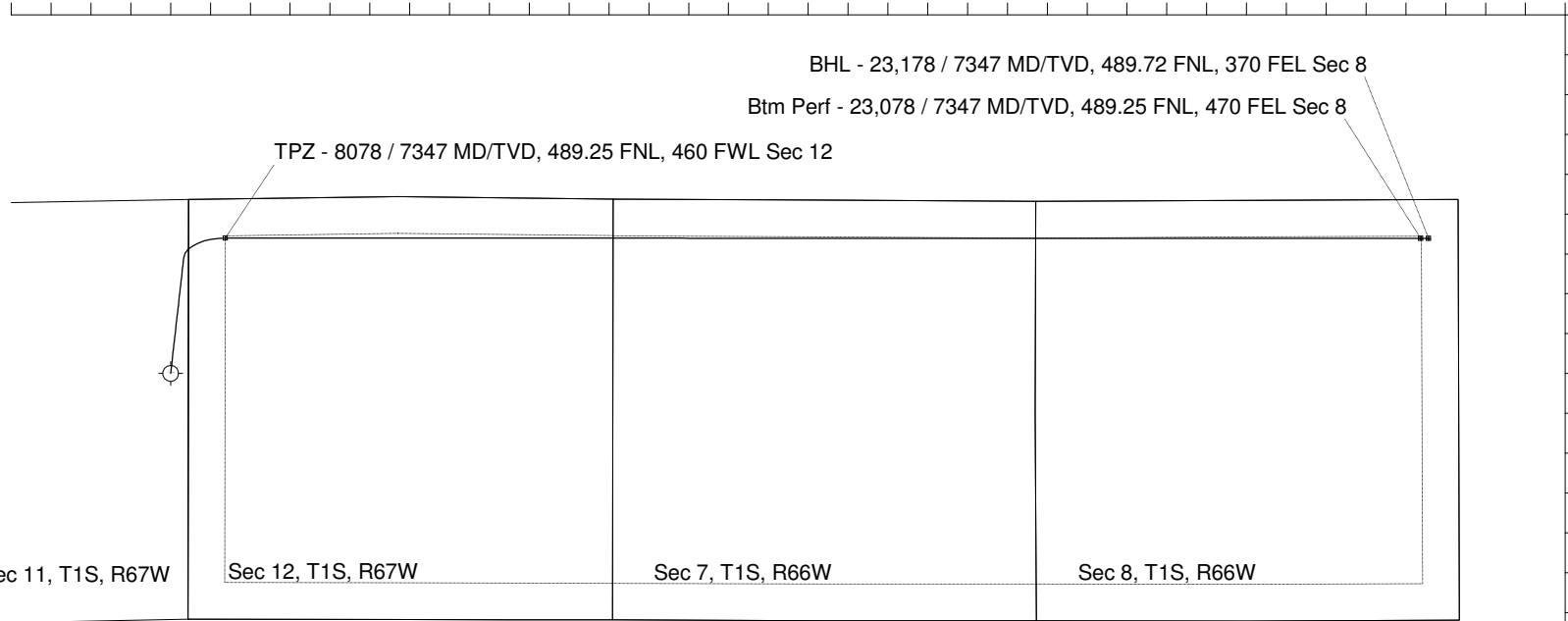
Created by admin
 Date plotted 24-Aug-2017
 Plot reference is Brant LE 08-039HN (PWB).
 Ref wellpath is Brant LE 08-039HN (PWP#1).
 Coordinates are in Feet reference N13 - Brant LE 08-039HN.
 True Vertical Depths are reference Rig Datum.
 Measured Depths are reference Rig Datum.
 Rig Datum: Planned Datum #1
 Rig Datum to Mean Sea Level: 4992.00 ft.
 Plot North is aligned to TRUE North.



Scale 1 cm = 500 ft

East (Feet) ->

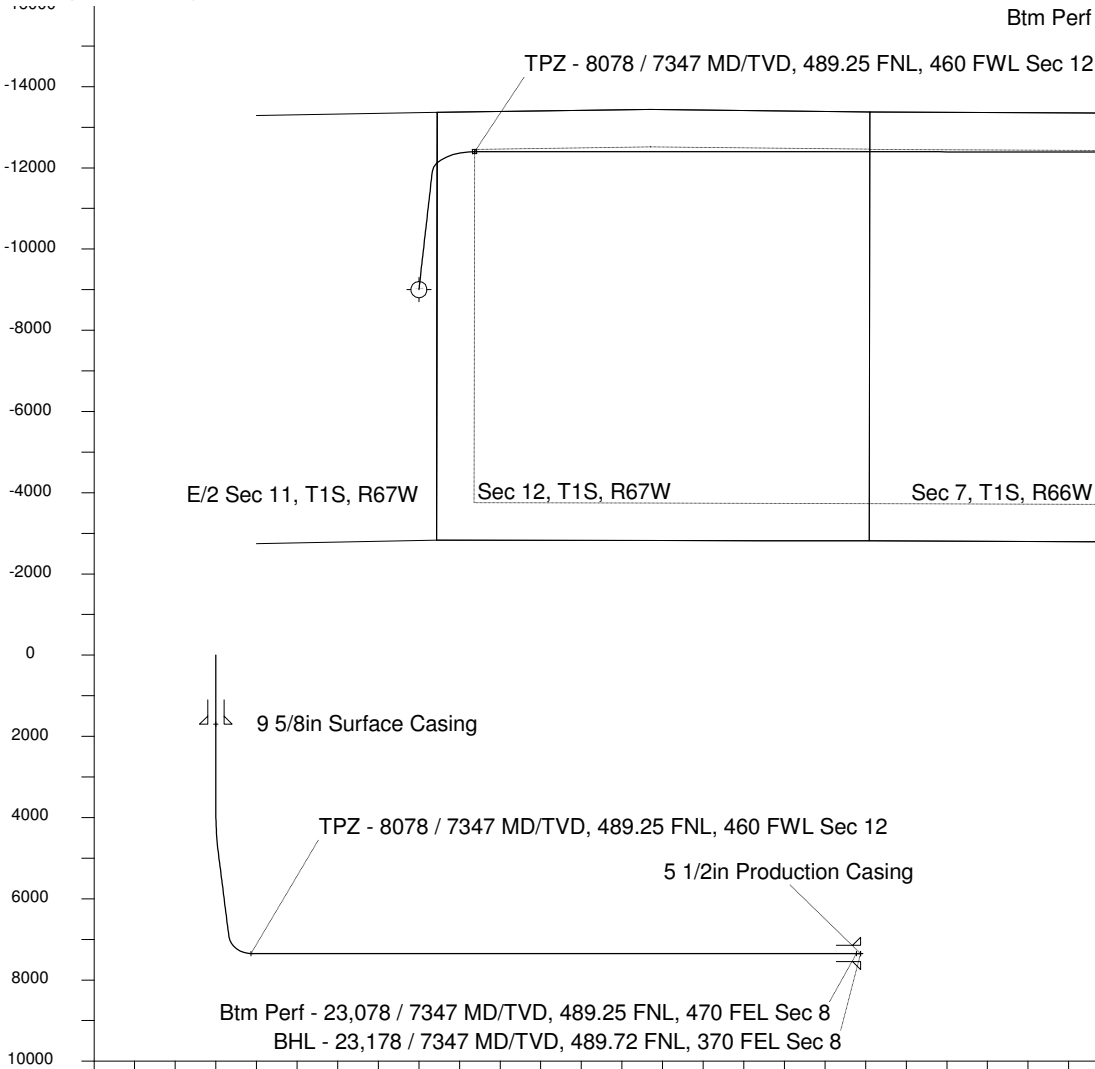
-2000 -1000 0 1000 2000 3000 4000 5000 6000 7000 8000 9000 10000 11000 12000 13000 14000 15000 16000 17000



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 = 1000 ft

Vertical Section (Feet) ->

Azimuth 83.88 with reference 0.00 N, 0.00 E from N13 - Brant LE 08-039HN

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	3873.00	0.00	6.47	3873.00	S 0.00	W 0.00	0.00	0.00
End of Build	4872.91	30.00	6.47	4827.86	N 254.20	E 28.84	9.84	55.79
End of Hold	7289.31	30.00	6.47	6920.57	N 1454.61	E 165.01	0.00	319.27
Target TPZ - ...Sec 12	8078.22	90.00	90.02	7347.00	N 1699.04	E 685.14	36.09	862.51
Target Btm Pe... Sec 8	23077.70	90.00	90.02	7347.00	N 1693.78	E 15684.63	0.00	15775.82
End of Turn	23078.14	90.00	89.96	7347.00	N 1693.78	E 15685.07	42.65	15776.25
T.D. & Target BHL...c 8	23178.30	90.00	89.96	7347.00	N 1693.84	E 15785.23	0.00	15875.85

Scale 1 cm = 500 ft

<- North(Feet)