Great Western Operating Company, LLC

Location	Colorado	**Slot**	S08 - Brant LE 08-319HC
Field	Wattenburg	**Well**	Brant LE 08-319HC
Installation	Brant	**Wellbore**	Brant LE 08-319HC (PWB)

Created by admin
Date plotted 25-Jan-2019

Plot reference is Brant LE 08-319HC (PWB).
Ref wellpath is Brant LE 08-319HC (PWP#1).
Coordinates are in Feet reference S08 - Brant LE 08-319HC.
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.

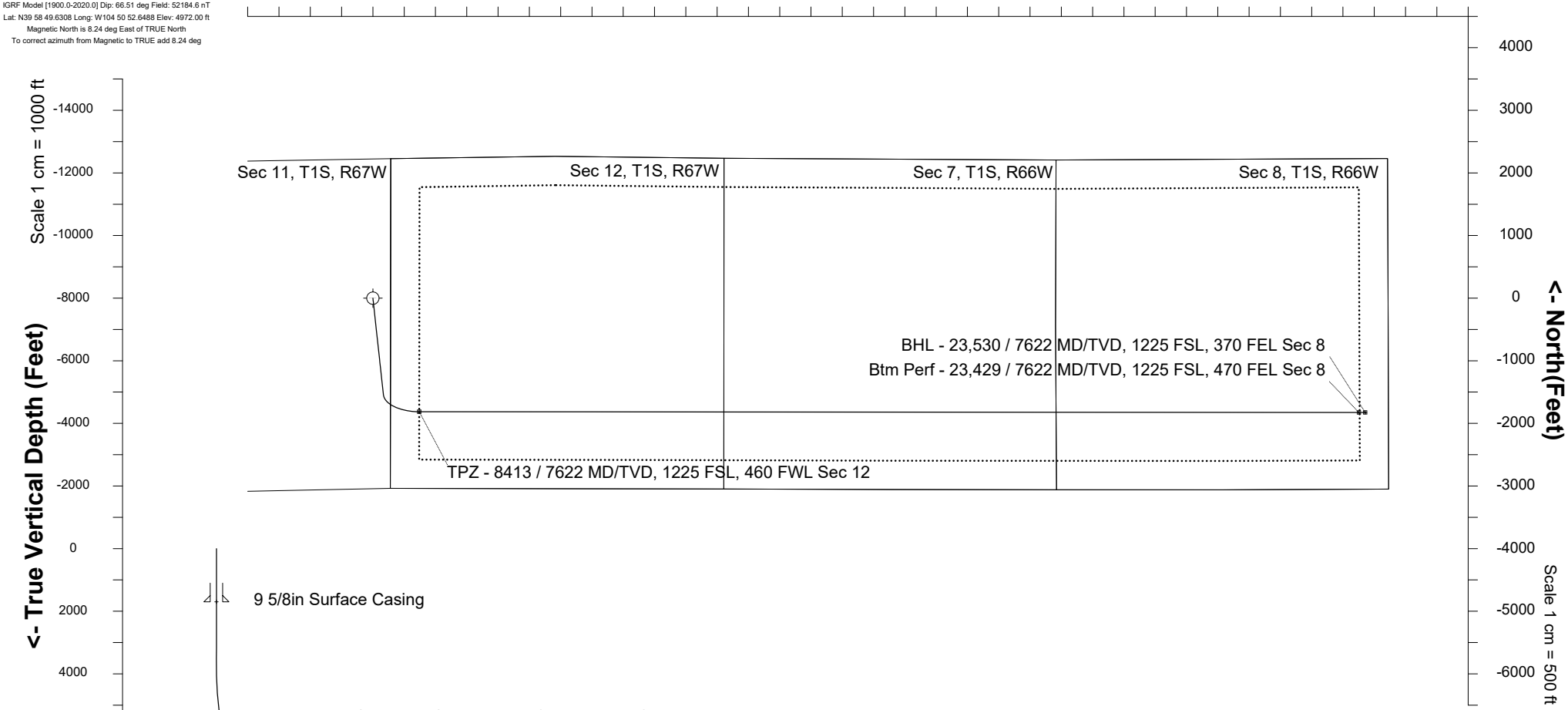
N
TRUE
G M
W
E

Apr-14-2017
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 = 500 ft

East (Feet) ->

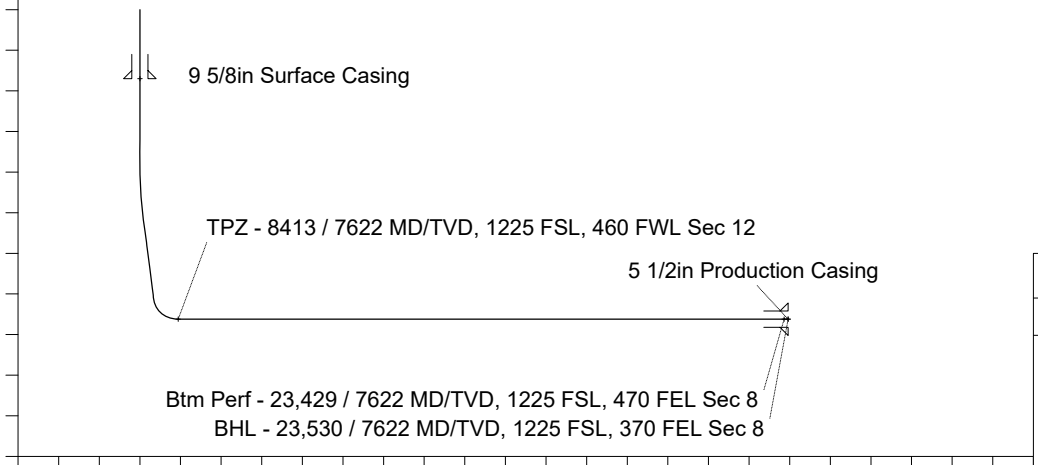
-2000 -1000 0 1000 2000 3000 4000 5000 6000 7000 8000 9000 10000 11000 12000 13000 14000 15000 16000 17000



Scale 1 cm = 1000 ft

<- True Vertical Depth (Feet)

-14000 -12000 -10000 -8000 -6000 -4000 -2000 0 2000 4000 6000 8000 10000



-2000 0 2000 4000 6000 8000 10000 12000 14000 16000 18000 20000 22

Scale 1 cm = 1000 ft

Vertical Section (Feet) ->

Azimuth 96.57 with reference 0.00 N, 0.00 E from S08 - Brant LE 08-319HC

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	3952.00	0.00	173.78	3952.00	S 0.00	W 0.00	0.00	0.00
End of Build	4952.13	30.00	173.78	4907.05	S 254.43	E 27.75	3.00	56.68
End of Hold	7544.77	30.00	173.78	7152.24	S 1543.26	E 168.31	0.00	343.81
Target TPZ - ...Sec 12	8413.44	90.00	90.05	7622.00	S 1813.40	E 740.17	10.00	942.83
Target Btm Pe... Sec 8	23429.38	90.00	90.05	7622.00	S 1826.63	E 15756.11	0.00	15861.63
End of Turn	23430.05	90.00	89.96	7622.00	S 1826.63	E 15756.78	13.00	15862.30
T.D. & Target BHL...c 8	23529.71	90.00	89.96	7622.00	S 1826.57	E 15856.44	0.00	15961.30