

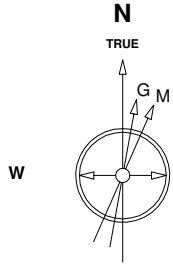
Great Western Operating Company, LLC

Created by admin

Date plotted 24-Aug-2017

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

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.



Scale 1 cm = 500 ft

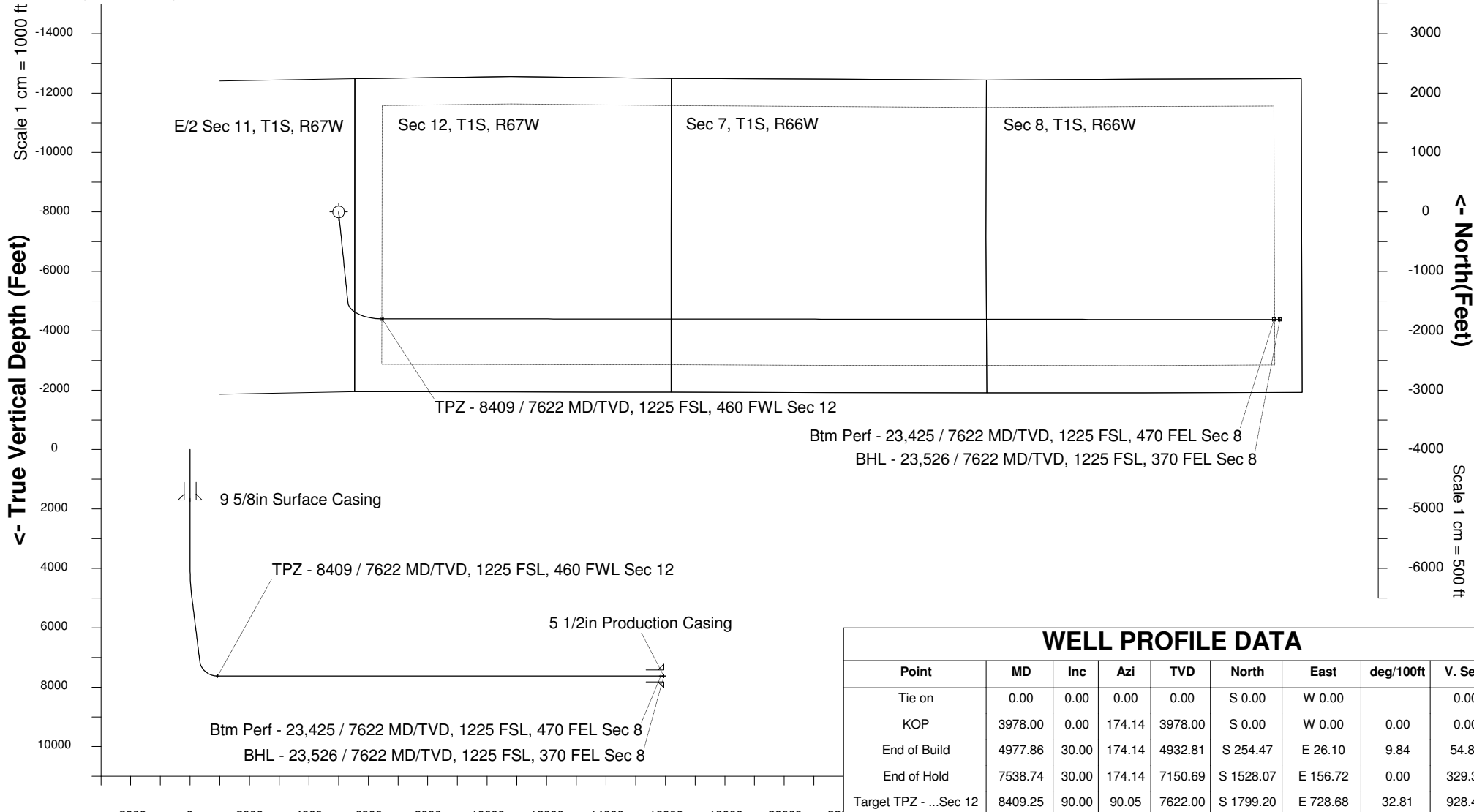
East (Feet) ->

-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

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	3978.00	0.00	174.14	3978.00	S 0.00	W 0.00	0.00	0.00
End of Build	4977.86	30.00	174.14	4932.81	S 254.47	E 26.10	9.84	54.85
End of Hold	7538.74	30.00	174.14	7150.69	S 1528.07	E 156.72	0.00	329.36
Target TPZ - ...Sec 12	8409.25	90.00	90.05	7622.00	S 1799.20	E 728.68	32.81	928.42
Target Btm Pe... Sec 8	23425.19	90.00	90.05	7622.00	S 1812.43	E 15744.62	0.00	15848.59
End of Turn	23425.86	90.00	89.96	7622.00	S 1812.43	E 15745.29	42.65	15849.25
T.D. & Target BHL...c 8	23525.52	90.00	89.96	7622.00	S 1812.37	E 15844.95	0.00	15948.22

Scale 1 cm = 1000 ft

Vertical Section (Feet) ->

Azimuth 96.53 with reference 0.00 N, 0.00 E from S08 - Brant LE 08-319HC