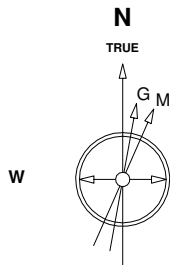


Great Western Operating Company, LLC

Location Colorado
Field Wattenburg
Installation Brant

Slot S09 - Brant LE 08-319HN
Well Brant LE 08-319HN
Wellbore Brant LE 08-319HN (PWB)

Created by admin
Date plotted 24-Aug-2017
Plot reference is Brant LE 08-319HN (PWB).
Ref wellpath is Brant LE 08-319HN (PWP#1).
Coordinates are in Feet reference S09 - Brant LE 08-319HN.
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

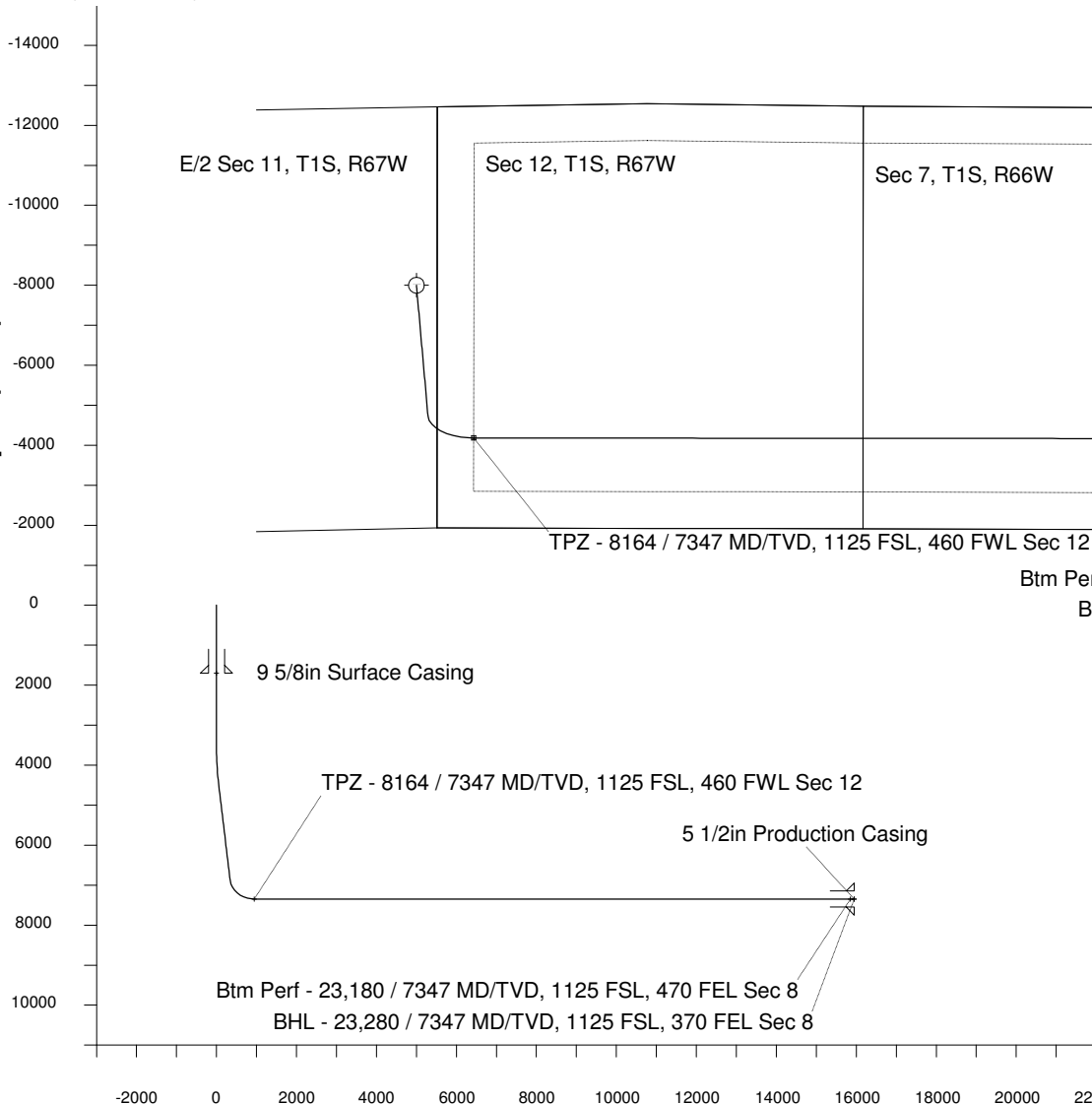
East (Feet) ->

-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

<- True Vertical Depth (Feet)

Scale 1 cm = 1000 ft



Scale 1 cm = 1000 ft

Vertical Section (Feet) ->

Azimuth 96.92 with reference 0.00 N, 0.00 E from S09 - Brant LE 08-319HN

<- 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	3516.00	0.00	174.94	3516.00	S 0.00	W 0.00	0.00	0.00
End of Build	4516.09	30.00	174.94	4471.01	S 254.92	E 22.56	9.84	53.12
End of Hold	7289.09	30.00	174.94	6872.43	S 1636.14	E 144.77	0.00	340.95
Target TPZ - ...Sec 12	8163.58	90.00	90.05	7347.00	S 1909.57	E 716.92	32.81	941.89
Target Btm Pe... Sec 8	23180.14	90.00	90.05	7347.00	S 1922.82	E 15733.47	0.00	15850.52
End of Turn	23180.81	90.00	89.96	7347.00	S 1922.82	E 15734.14	42.65	15851.19
T.D. & Target BHL...c 8	23279.91	90.00	89.96	7347.00	S 1922.76	E 15833.24	0.00	15949.55