

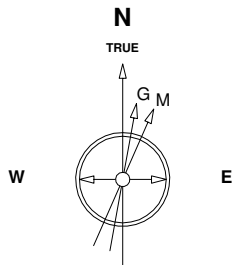
Great Western Operating Company, LLC

Location Colorado
Field Wattenburg
Installation Tower

Slot Slot N07 - Tower LD 19-099HN
Well Tower LD 19-099HN
Wellbore Tower LD 19-099HN (PWB)

Created by admin
Date plotted 15-May-2017

Plot reference is Tower LD 19-099HN (PWB).
Ref wellpath is Tower LD 19-099HN (PWP#1).
Coordinates are in Feet reference Slot N07 - Tower LD 19-099HN.
True Vertical Depths are reference Rig Datum.
Measured Depths are reference Rig Datum.
Rig Datum: Planned Datum #1
Rig Datum to Mean Sea Level: 5259.60 ft.
Plot North is aligned to TRUE North.



Scale 1 cm = 400 ft

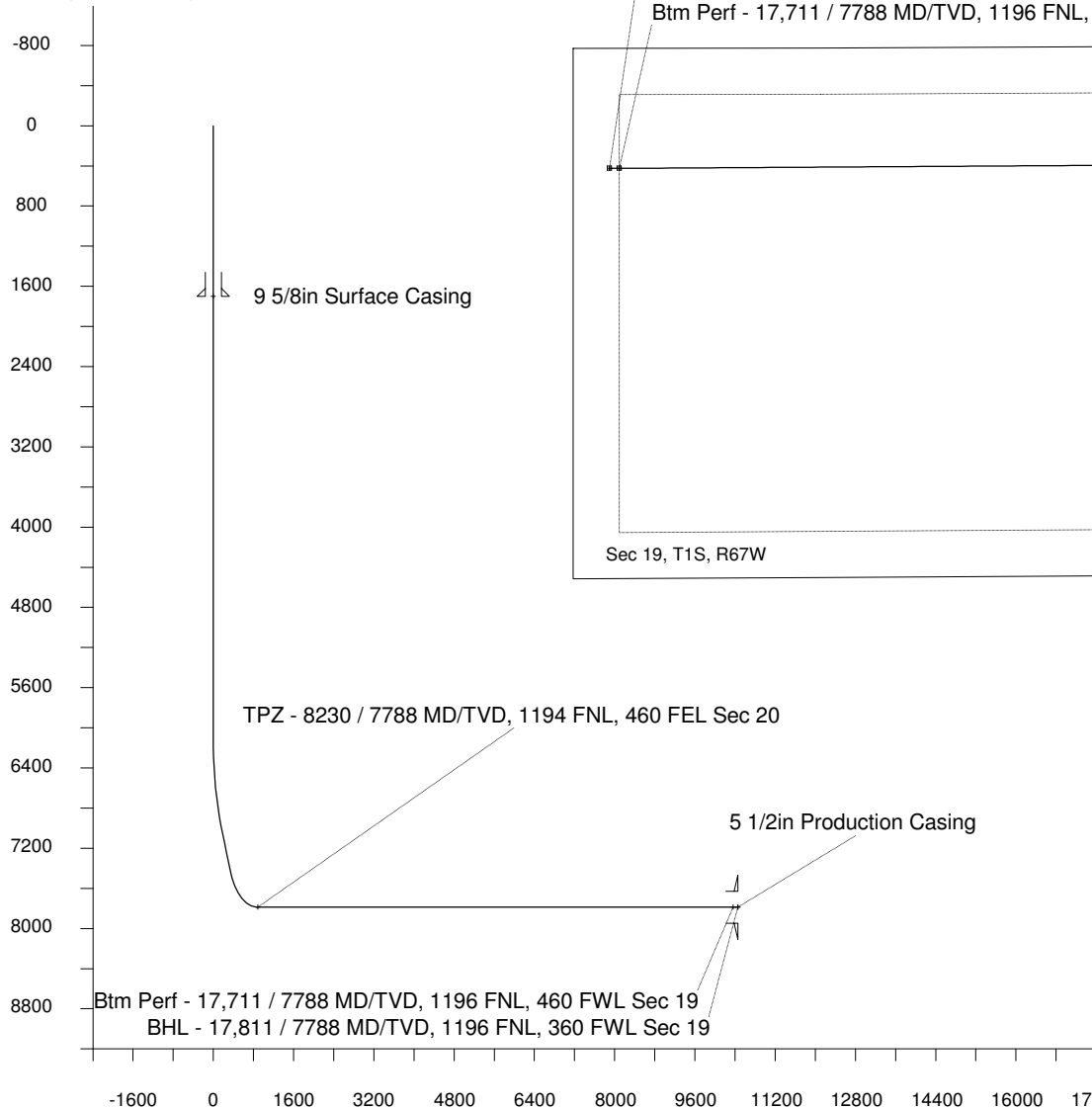
East (Feet) ->

-13600 -12800 -12000 -11200 -10400 -9600 -8800 -8000 -7200 -6400 -5600 -4800 -4000 -3200 -2400 -1600 -800 0 800 1600

10-May-2017
IGRF Model [1900.0-2020.0] Dip: 66.48 deg Field: 52154.2 nT
Lat: N39 57 11.0916 Long: W104 54 7.2792 Elev: 5239.60 ft
Magnetic North is 8.26 deg East of TRUE North
To correct azimuth from Magnetic to TRUE add 8.26 deg

Scale 1 cm = 400 ft

<- True Vertical Depth (Feet)



Scale 1 cm = 800 ft

Vertical Section (Feet) ->

Azimuth 272.05 with reference 0.00 N, 0.00 E from Slot N07 - Tower LD 19-099HN

TPZ - 8230 / 7788 MD/TVD, 1194 FNL, 460 FEL Sec 20

BHL - 17,811 / 7788 MD/TVD, 1196 FNL, 360 FWL Sec 19

Btm Perf - 17,711 / 7788 MD/TVD, 1196 FNL, 460 FWL Sec 19

2400

1600

800

0

-800

-1600

-2400

-3200

-4000

-4800

-5600

<- North(Feet)

Scale 1 cm = 400 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	6122.00	0.00	312.62	6122.00	S 0.00	W 0.00	0.00	0.00
End of Build	7082.57	28.82	312.62	7042.58	N 160.16	W 174.03	9.84	179.66
End of Hold	7536.95	28.82	312.62	7440.69	N 308.48	W 335.19	0.00	346.03
Target TPZ - ...Sec 20	8230.49	90.00	269.63	7788.00	N 435.33	W 872.17	32.81	887.21
Target Btm Pe...Sec 19	17711.32	90.00	269.63	7788.00	N 374.82	W 10352.80	0.00	10359.58
End of Turn	17714.18	90.00	270.01	7788.00	N 374.81	W 10355.66	42.65	10362.44
T.D. & Target BHL... 19	17811.32	90.00	270.01	7788.00	N 374.82	W 10452.80	0.00	10459.52