

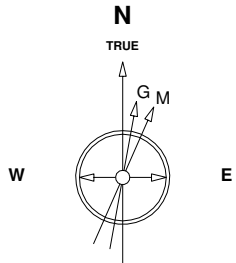
Great Western Operating Company, LLC

Location Colorado
Field Wattenburg
Installation Tower

Slot Slot S11 - Tower LD 19-259HN
Well Tower LD 19-259HN
Wellbore Tower LD 19-259HN (PWB)

Created by admin
Date plotted 15-May-2017

Plot reference is Tower LD 19-259HN (PWB).
Ref wellpath is Tower LD 19-259HN (PWP#1).
Coordinates are in Feet reference Slot S11 - Tower LD 19-259HN.
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

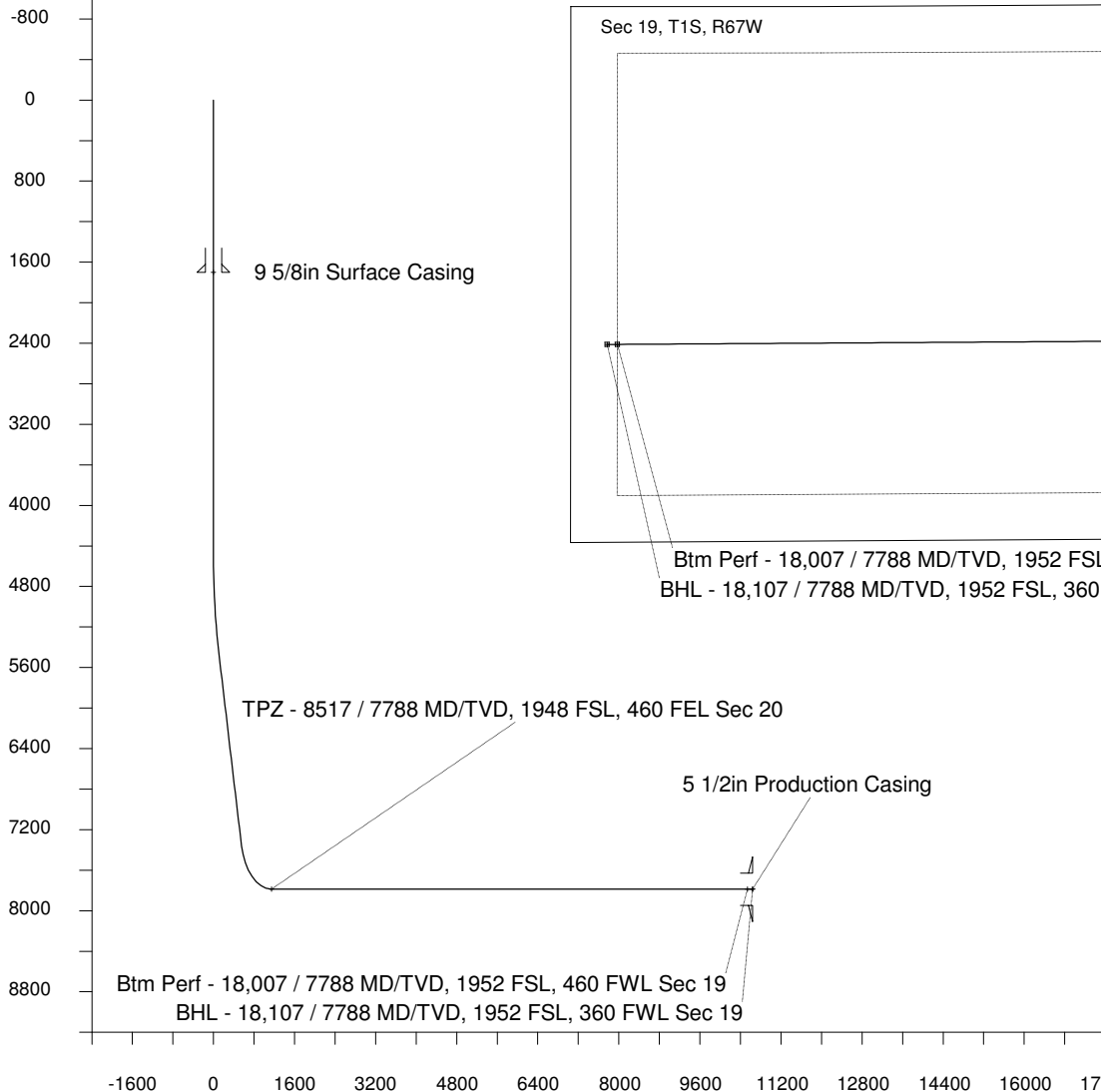
East (Feet) ->

-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 261.29 with reference 0.00 N, 0.00 E from Slot S11 - Tower LD 19-259HN

<- 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	4496.00	0.00	195.33	4496.00	S 0.00	W 0.00	0.00	-0.00
End of Build	5495.91	30.00	195.33	5450.85	S 246.72	W 67.64	9.84	104.24
End of Hold	7694.48	30.00	195.33	7354.92	S 1306.80	W 358.25	0.00	552.10
Target TPZ - ...Sec 20	8516.75	90.00	269.63	7788.00	S 1551.10	W 924.39	32.81	1148.72
Target Btm Pe...Sec 19	18007.08	90.00	269.63	7788.00	S 1611.60	W 10414.53	0.00	10538.48
End of Turn	18009.91	90.00	270.00	7788.00	S 1611.60	W 10417.36	42.65	10541.28
T.D. & Target BHL... 19	18107.08	90.00	270.00	7788.00	S 1611.60	W 10514.53	0.00	10637.32