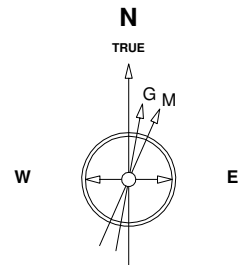


Great Western Operating Company, LLC

Location Colorado
Field Wattenburg
Installation Ottesen
Slot S05 - Ottesen LE 06-311HN
Well Ottesen LE 06-311HN
Wellbore Ottesen LE 06-311HN (PWB)

Created by admin
Date plotted 28-Dec-2017
Plot reference is Ottesen LE 06-311HN (PWB).
Ref wellpath is Ottesen LE 06-311HN (PWP#1).
Coordinates are in Feet reference S05 - Ottesen LE 06-311HN.
True Vertical Depths are reference Rig Datum.
Measured Depths are reference Rig Datum.
Rig Datum: Planned Datum #1
Rig Datum to Mean Sea Level: 5093.60 ft.
Plot North is aligned to TRUE North.

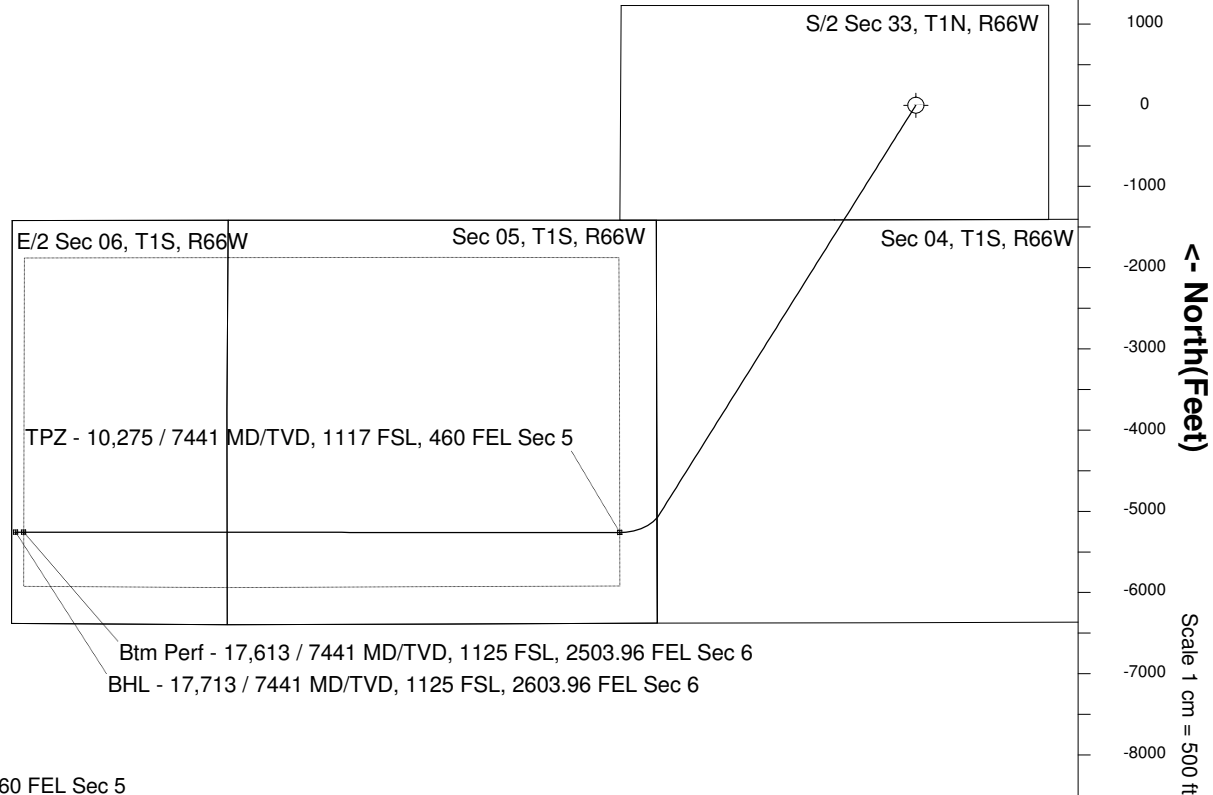
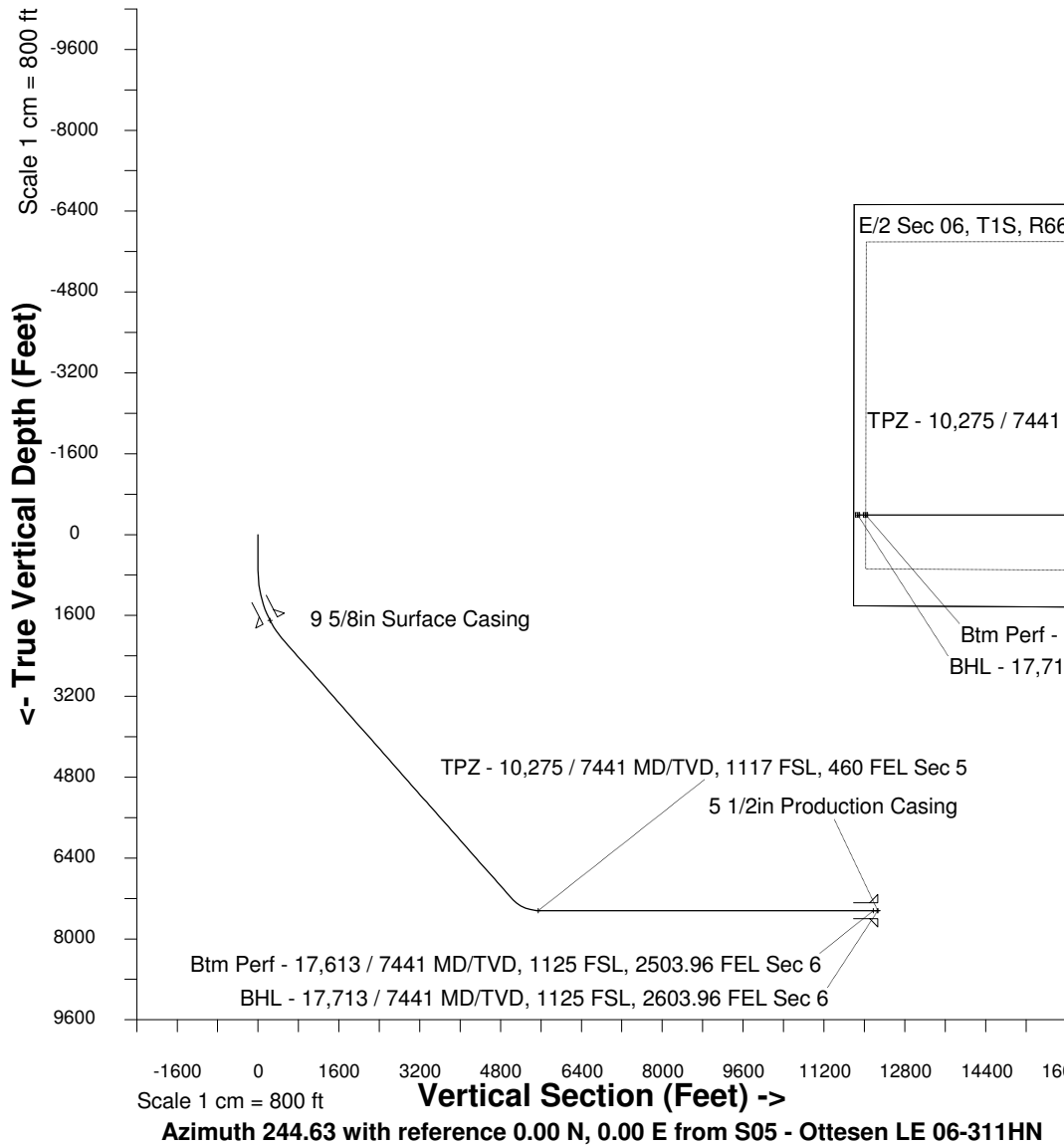


Scale 1 cm = 500 ft

East (Feet) ->

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

8-Aug-2016
IGRF Model [1900.0-2020.0] Dip: 66.56 deg Field: 52280.9 nT
Lat: N40 0 16.5600 Long: W104 46 43.1184 Elev: 5073.60 ft
Magnetic North is 8.28 deg East of TRUE North
To correct azimuth from Magnetic to TRUE add 8.28 deg



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	700.00	0.00	212.07	700.00	S 0.00	W 0.00	0.00	-0.00
End of Build	2245.03	46.35	212.07	2081.94	S 501.30	W 314.15	9.84	498.66
End of Hold	9661.53	46.35	212.07	7201.11	S 5048.60	W 3163.82	0.00	5022.02
Target TPZ - ... Sec 5	10274.50	90.00	270.03	7441.00	S 5261.49	W 3644.91	36.09	5547.93
Target Btm Pe... Sec 6	17612.79	90.00	270.03	7441.00	S 5257.15	W 10983.20	0.00	12176.47
End of Turn	17616.58	90.00	270.45	7441.00	S 5257.13	W 10986.99	36.09	12179.89
T.D. & Target BHL...c 6	17712.83	90.00	270.45	7441.00	S 5256.37	W 11083.24	0.00	12266.52