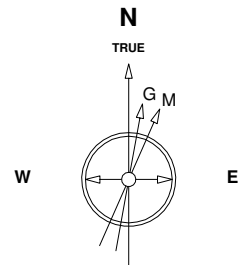


Great Western Operating Company, LLC

Location Colorado
Field Wattenburg
Installation Ottesen
Slot S16 - Ottesen LE 06-170HN
Well Ottesen LE 06-170HN
Wellbore Ottesen LE 06-170HN (PWB)

Created by admin
Date plotted 28-Dec-2017
Plot reference is Ottesen LE 06-170HN (PWB).
Ref wellpath is Ottesen LE 06-170HN (PWP#1).
Coordinates are in Feet reference S16 - Ottesen LE 06-170HN.
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.

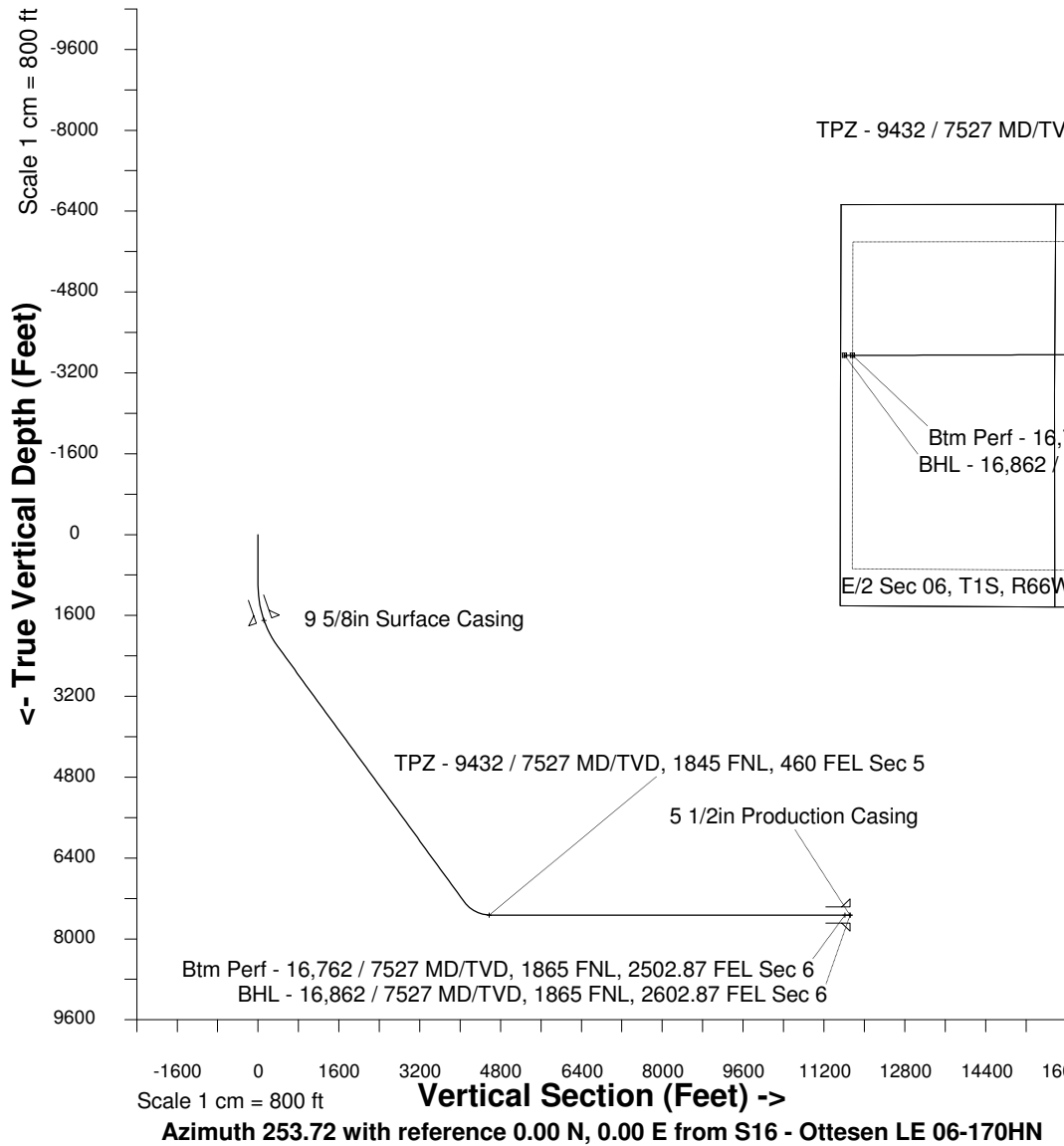


Scale 1 cm = 500 ft

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



TPZ - 9432 / 7527 MD/TVD, 1845 FNL, 460 FEL Sec 5

Btm Perf - 16,762 / 7527 MD/TVD, 1865 FNL, 2502.87 FEL Sec 6
BHL - 16,862 / 7527 MD/TVD, 1865 FNL, 2602.87 FEL Sec 6

E/2 Sec 06, T1S, R66W

Sec 05, T1S, R66W

Sec 04, T1S, R66W

S/2 Sec 33, T1N, R66W

<- 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	1000.00	0.00	227.05	1000.00	S 0.00	W 0.00	0.00	-0.00
End of Build	2309.70	39.29	227.05	2209.44	S 294.20	W 315.99	9.84	385.80
End of Hold	8865.67	39.29	227.05	7283.36	S 3123.19	W 3354.54	0.00	4095.69
Target TPZ - ... Sec 5	9431.99	90.00	269.81	7527.00	S 3260.08	W 3815.25	36.09	4576.29
Target Btm Pe... Sec 6	16761.90	90.00	269.81	7527.00	S 3284.46	W 11145.12	0.00	11618.97
End of Turn	16762.02	90.00	269.82	7527.00	S 3284.46	W 11145.19	36.09	11619.04
T.D. & Target BHL...c 6	16861.97	90.00	269.82	7527.00	S 3284.78	W 11245.14	0.00	11715.08