



Great Western Operating Company, LLC

Location Colorado
Field Wattenburg
Installation Ottesen
Slot N12 - Ottesen LE 09-372HNX
Well Ottesen LE 09-372HNX
Wellbore Ottesen LE 09-372HNX (PWB)

Created by admin
Date plotted 28-Dec-2017

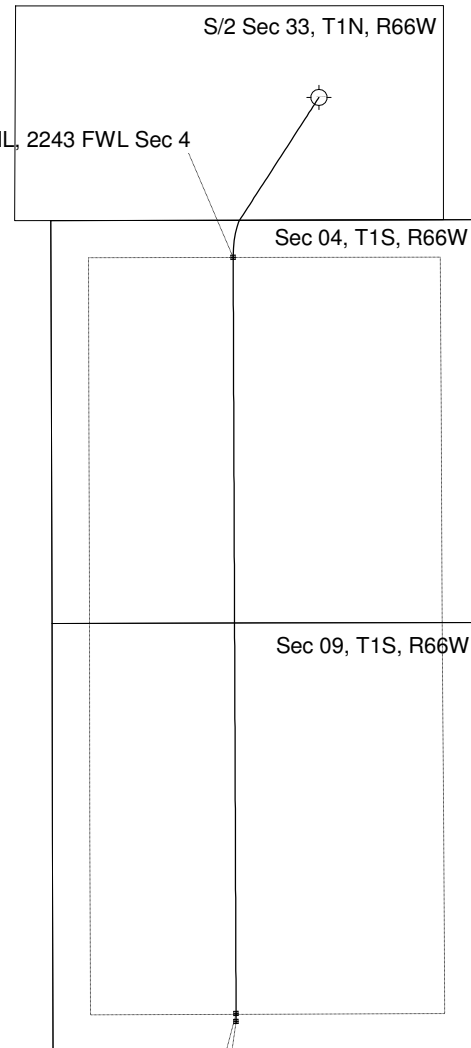
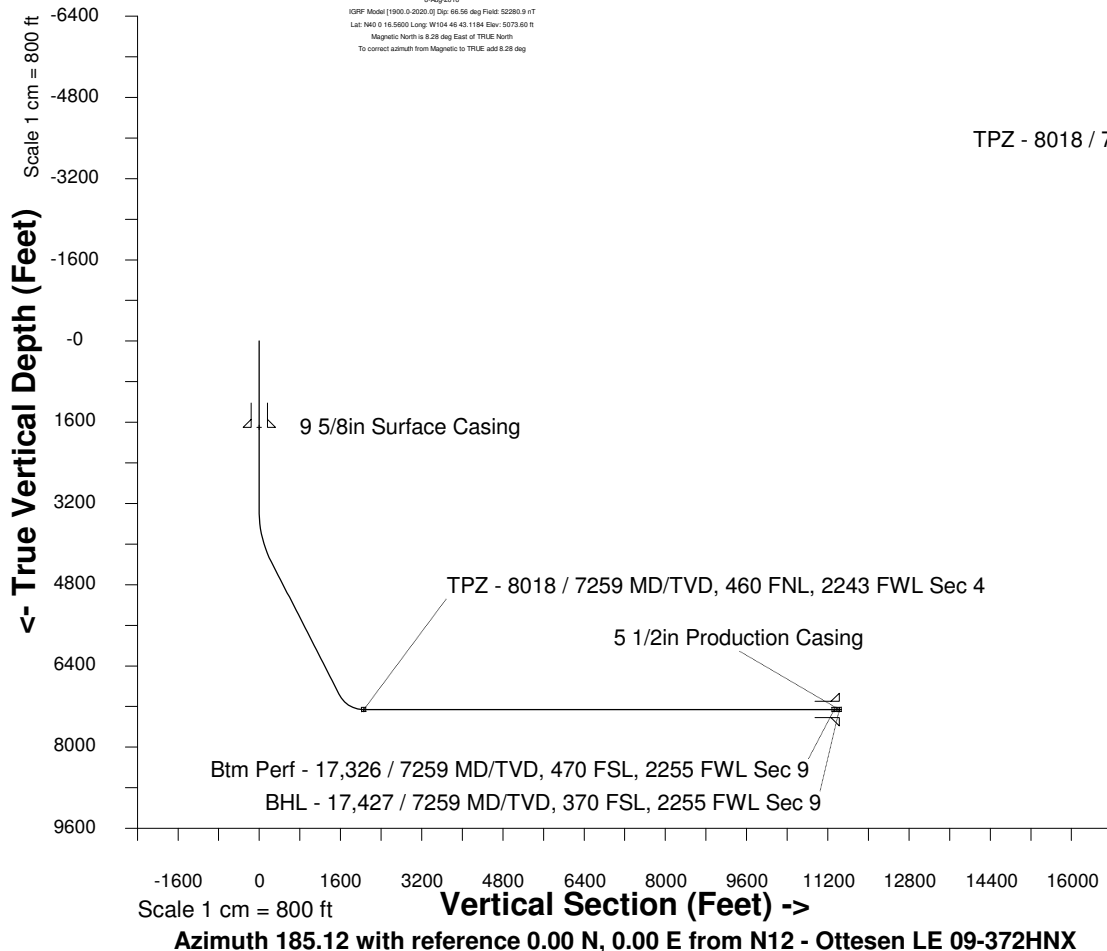
Plot reference is Ottesen LE 09-372HNX (PWB).
Ref wellpath is Ottesen LE 09-372HNX (PWP#1).
Coordinates are in Feet reference N12 - Ottesen LE 09-372HNX.
True Vertical Depths are reference Rig Datum.
Measured Depths are reference Rig Datum.
Rig Datum: Planned Datum #1
Rig Datum to Mean Sea Level: 5093.60 ft.
Plot North is aligned to TRUE North.

Scale 1 cm = 500 ft

East (Feet) ->

-9000 -8000 -7000 -6000 -5000 -4000 -3000 -2000 -1000 -0 1000 2000 3000

8-Aug-2016
IGPP 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	3370.00	0.00	212.86	3370.00	S 0.00	W 0.00	0.00	-0.00
End of Build	4370.00	30.00	212.86	4324.93	S 214.92	W 138.85	9.84	226.46
End of Hold	7424.65	30.00	212.86	6970.33	S 1497.83	W 967.64	0.00	1578.22
Target TPZ - ... Sec 4	8017.68	90.00	179.78	7259.00	S 1971.13	W 1056.79	36.09	2057.60
Target Btm Pe... Sec 9	17326.37	90.00	179.78	7259.00	S 11279.75	W 1020.75	0.00	11325.84
End of Turn	17328.73	90.00	179.52	7259.00	S 11282.11	W 1020.74	36.09	11328.19
T.D. & Target BHL...c 9	17426.55	90.00	179.52	7259.00	S 11379.93	W 1019.91	0.00	11425.54

Btm Perf - 17,326 / 7259 MD/TVD, 470 FSL, 2255 FWL Sec 9

BHL - 17,427 / 7259 MD/TVD, 370 FSL, 2255 FWL Sec 9