



Great Western Operating Company, LLC

Location Colorado
Field Wattenburg
Installation Ottesen
Slot N05 - Ottesen LE 09-378HN
Well Ottesen LE 09-378HN
Wellbore Ottesen LE 09-378HN (PWB)

Created by admin
Date plotted 28-Dec-2017

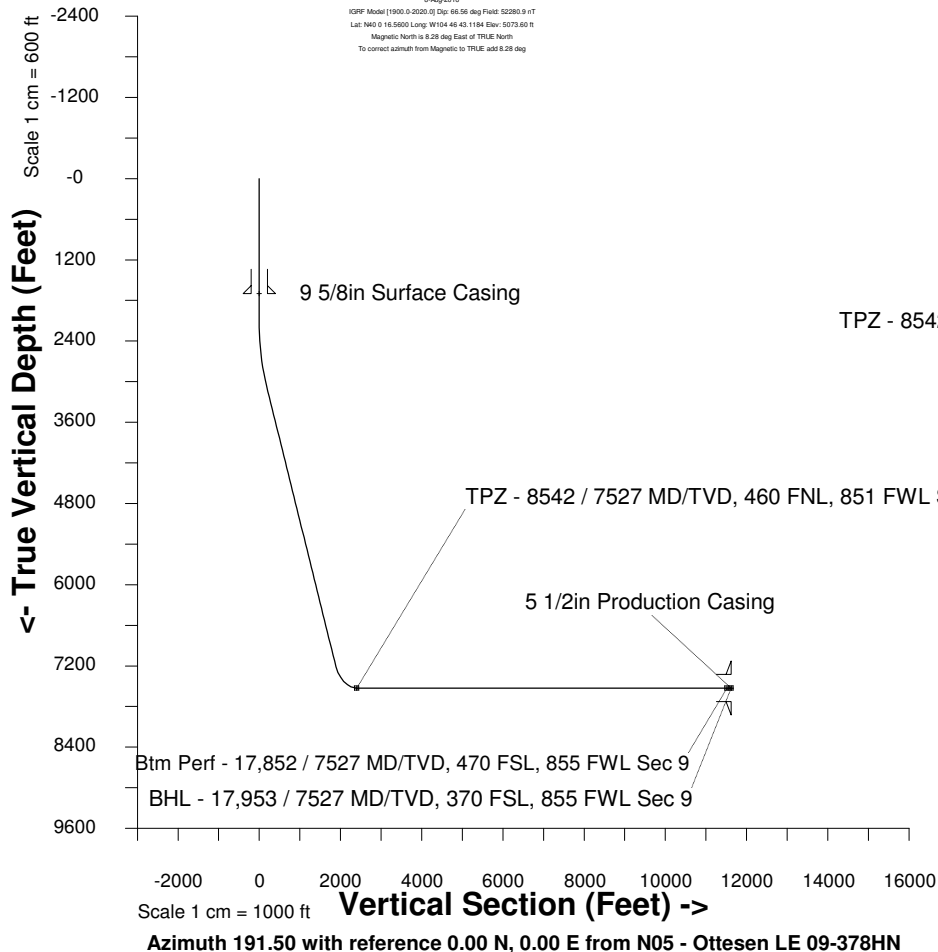
Plot reference is Ottesen LE 09-378HN (PWB).
Ref wellpath is Ottesen LE 09-378HN (PWP#1).
Coordinates are in Feet reference N05 - Ottesen LE 09-378HN.
True Vertical Depths are reference Rig Datum.
Measured Depths are reference Rig Datum.
Rig Datum: Planned Datum #1
Rig Datum to Mean Sea Level: 5093.60 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	2115.00	0.00	235.99	2115.00	S 0.00	W 0.00	0.00	-0.00
End of Build	3115.07	30.00	235.99	3069.99	S 143.15	W 212.13	9.84	182.55
End of Hold	7870.38	30.00	235.99	7188.12	S 1473.20	W 2183.14	0.00	1878.73
Target TPZ - ... Sec 4	8541.58	90.00	179.83	7527.00	S 1973.96	W 2344.16	36.09	2401.53
Target Btm Pe... Sec 9	17852.42	90.00	179.83	7527.00	S 11284.76	W 2316.17	0.00	11519.99
End of Turn	17855.22	90.00	179.52	7527.00	S 11287.56	W 2316.15	36.09	11522.72
T.D. & Target BHL...c 9	17952.61	90.00	179.52	7527.00	S 11384.94	W 2315.34	0.00	11617.99

