



Great Western Operating Company, LLC

Location Colorado
Field Wattenburg
Installation Ottesen
Slot N04 - Ottesen LE 09-378HNX
Well Ottesen LE 09-378HNX
Wellbore Ottesen LE 09-378HNX (PWB)

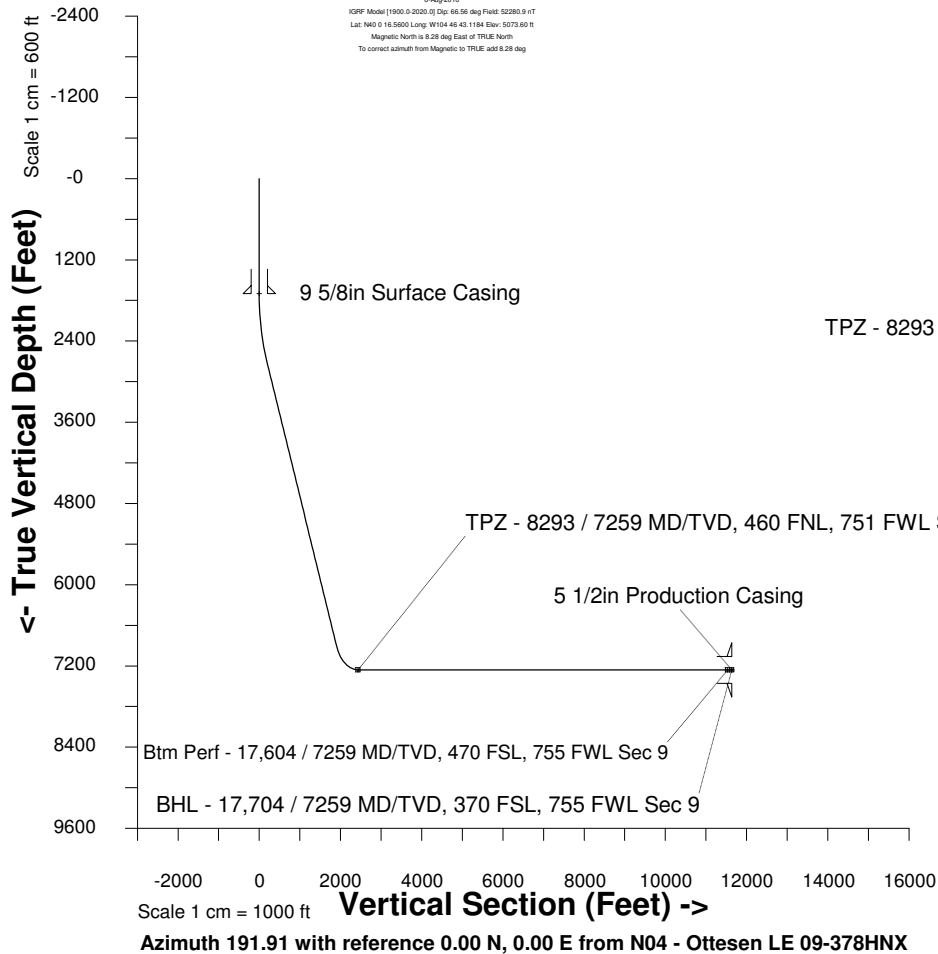
Scale 1 cm = 500 ft

East (Feet) ->

Created by admin
Date plotted 28-Dec-2017

Plot reference is Ottesen LE 09-378HNX (PWB).
Ref wellpath is Ottesen LE 09-378HNX (PWP#1).
Coordinates are in Feet reference N04 - Ottesen LE 09-378HNX.
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.

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	1729.00	0.00	236.96	1729.00	S 0.00	W 0.00	0.00	-0.00
End of Build	2729.08	30.00	236.96	2684.00	S 139.51	W 214.54	9.84	180.77
End of Hold	7617.64	30.00	236.96	6917.51	S 1472.14	W 2263.80	0.00	1907.48
Target TPZ - ... Sec 4	8292.68	90.00	179.83	7259.00	S 1973.95	W 2427.93	36.09	2432.36
Target Btm Pe... Sec 9	17603.53	90.00	179.83	7259.00	S 11284.75	W 2400.25	0.00	11537.18
End of Turn	17605.14	90.00	180.01	7259.00	S 11286.37	W 2400.25	36.09	11538.75
T.D. & Target BHL...c 9	17703.70	90.00	180.01	7259.00	S 11384.93	W 2400.26	0.00	11635.20

