



Great Western Operating Company, LLC

Location Colorado
Field Wattenburg
Installation Ottesen

Slot N21 - Ottesen LE 09-366HNX
Well Ottesen LE 09-366HNX
Wellbore Ottesen LE 09-366HNX (PWB)

Scale 1 cm = 500 ft

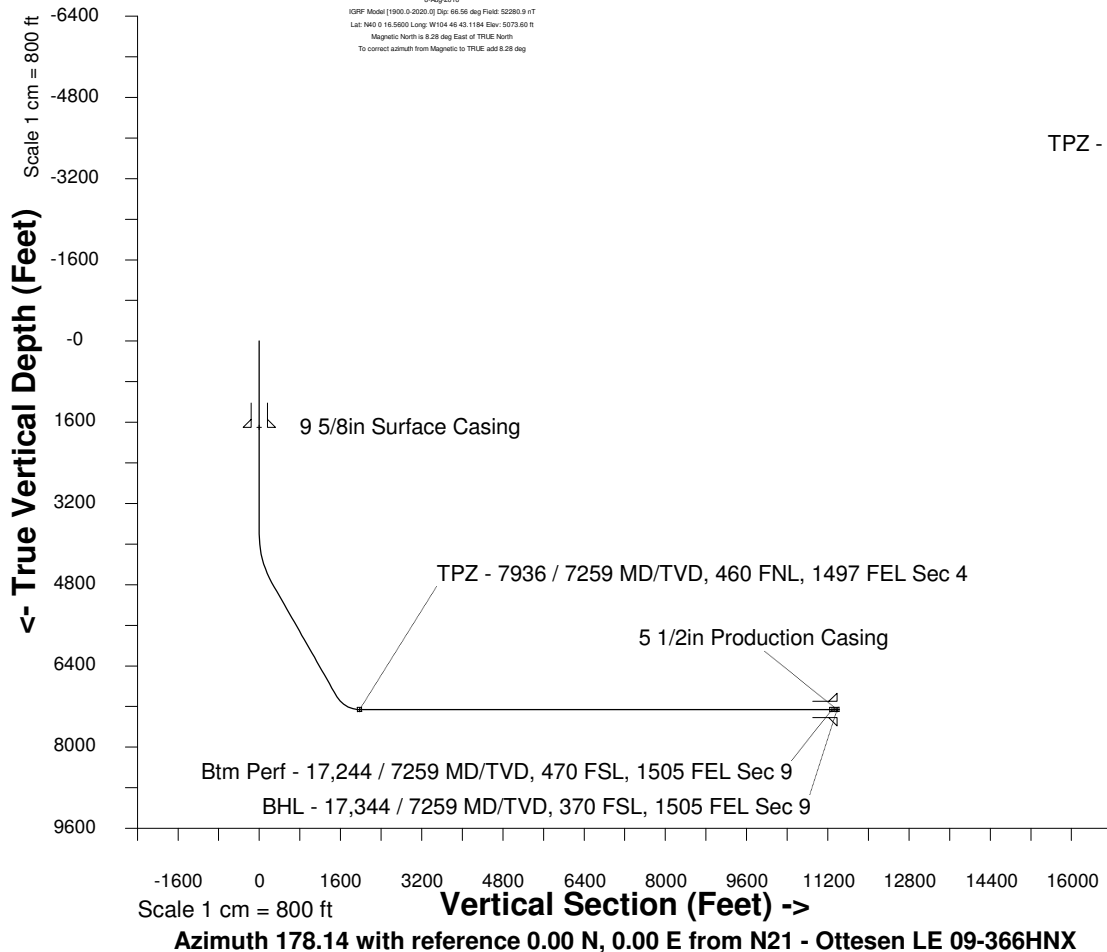
East (Feet) ->

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

Created by admin
Date plotted 28-Dec-2017

Plot reference is Ottesen LE 09-366HNX (PWB).
Ref wellpath is Ottesen LE 09-366HNX (PWP#1).
Coordinates are in Feet reference N21 - Ottesen LE 09-366HNX.
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



S/2 Sec 33, T1N, R66W

TPZ - 7936 / 7259 MD/TVD, 460 FNL, 1497 FEL Sec 4

Sec 04, T1S, R66W

Sec 09, T1S, R66W

Btm Perf - 17,244 / 7259 MD/TVD, 470 FSL, 1505 FEL Sec 9

BHL - 17,344 / 7259 MD/TVD, 370 FSL, 1505 FEL Sec 9

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	3812.50	0.00	169.14	3812.50	S 0.00	W 0.00	0.00	0.00
End of Build	4812.55	30.00	169.14	4767.47	S 251.32	E 48.21	9.84	252.75
End of Hold	7385.45	30.00	169.14	6995.64	S 1514.79	E 290.57	0.00	1523.44
Target TPZ - ... Sec 4	7935.97	90.00	179.70	7259.00	S 1968.24	E 320.79	36.09	1977.63
Target Btm Pe... Sec 9	17243.62	90.00	179.70	7259.00	S 11275.76	E 369.12	0.00	11281.80
End of Turn	17245.31	90.00	179.52	7259.00	S 11277.45	E 369.13	36.09	11283.49
T.D. & Target BHL...c 9	17343.80	90.00	179.52	7259.00	S 11375.94	E 369.96	0.00	11381.95

<- North(Feet)

Scale 1 cm = 500 ft