



Great Western Operating Company, LLC

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

Created by admin
Date plotted 14-Oct-2016

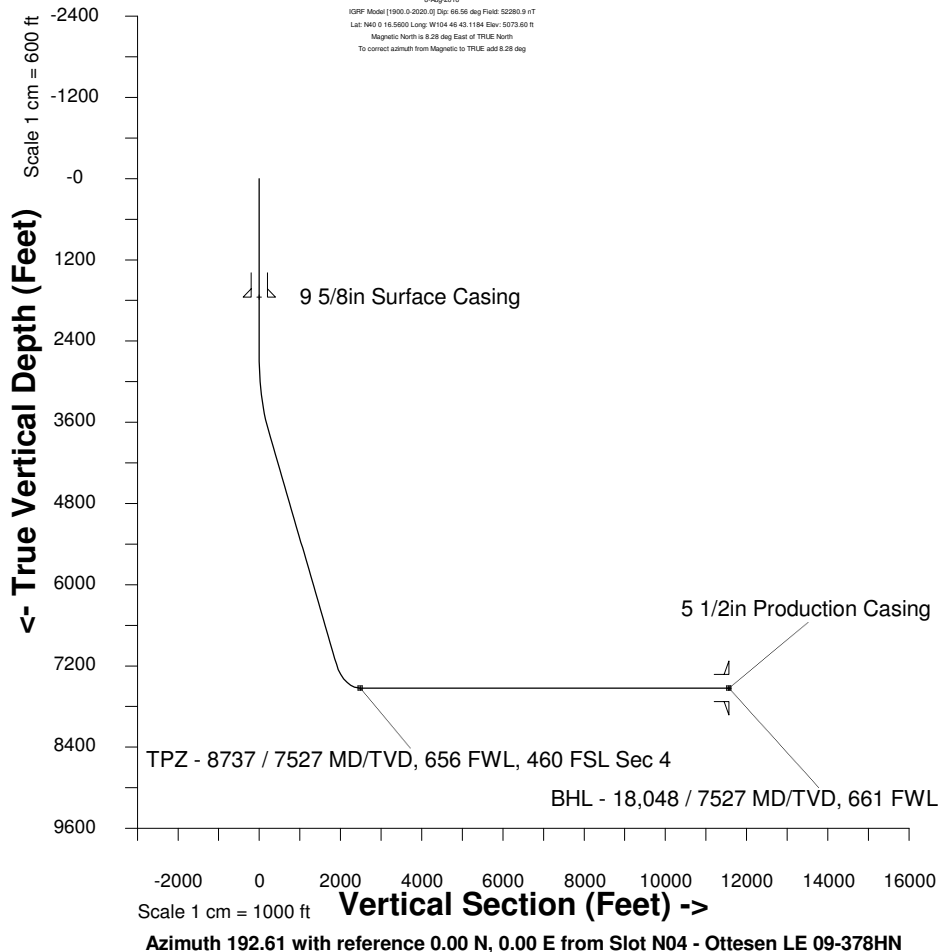
Plot reference is Ottesen LE 09-378HN (PWB).
Ref wellpath is Ottesen LE 09-378HN (PWP#1).
Coordinates are in Feet reference Slot N04 - Ottesen LE 09-378HN.
True Vertical Depths are reference Rig Datum.
Measured Depths are reference Rig Datum.
Rig Datum: Planned Datum #1
Rig Datum to Mean Sea Level: 5093.60 ft.
Plot North is aligned to TRUE North.

Scale 1 cm = 500 ft

East (Feet) ->

-10000 -9000 -8000 -7000 -6000 -5000 -4000 -3000 -2000 -1000 -0 1000 2000

9-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	2656.00	0.00	238.72	2656.00	S 0.00	W 0.00	0.00	-0.00
End of Build	3822.68	35.00	238.72	3751.46	S 179.31	W 295.21	9.84	239.45
End of Hold	8009.62	35.00	238.72	7181.19	S 1426.07	W 2347.78	0.00	1904.31
Target TPZ - ... Sec 4	8737.28	90.00	179.82	7527.00	S 1973.94	W 2553.44	32.81	2483.86
T.D. & Target BHL...c 9	18048.13	90.00	179.82	7527.00	S 11284.74	W 2524.97	0.00	11563.77

TPZ - 8737 / 7527 MD/TVD, 656 FWL, 460 FSL Sec 4

Sec 33, T1N, R66W

1000

0

-1000

Sec 04, T1S, R66W

-2000

-3000

-4000

-5000

-6000

-7000

-8000

-9000

-10000

-11000

-12000

-13000

-14000

-15000

BHL - 18,048 / 7527 MD/TVD, 661 FWL, 470 FSL Sec 9

Sec 09, T1S, R66W

<- North(Feet)

Scale 1 cm = 500 ft