

Great Western Operating Company, LLC

Location Colorado
Field Wattenburg
Installation Ottesen
Slot N26 - Ottesen LE 09-362HC
Well Ottesen LE 09-362HC
Wellbore Ottesen LE 09-362HC (PWB)

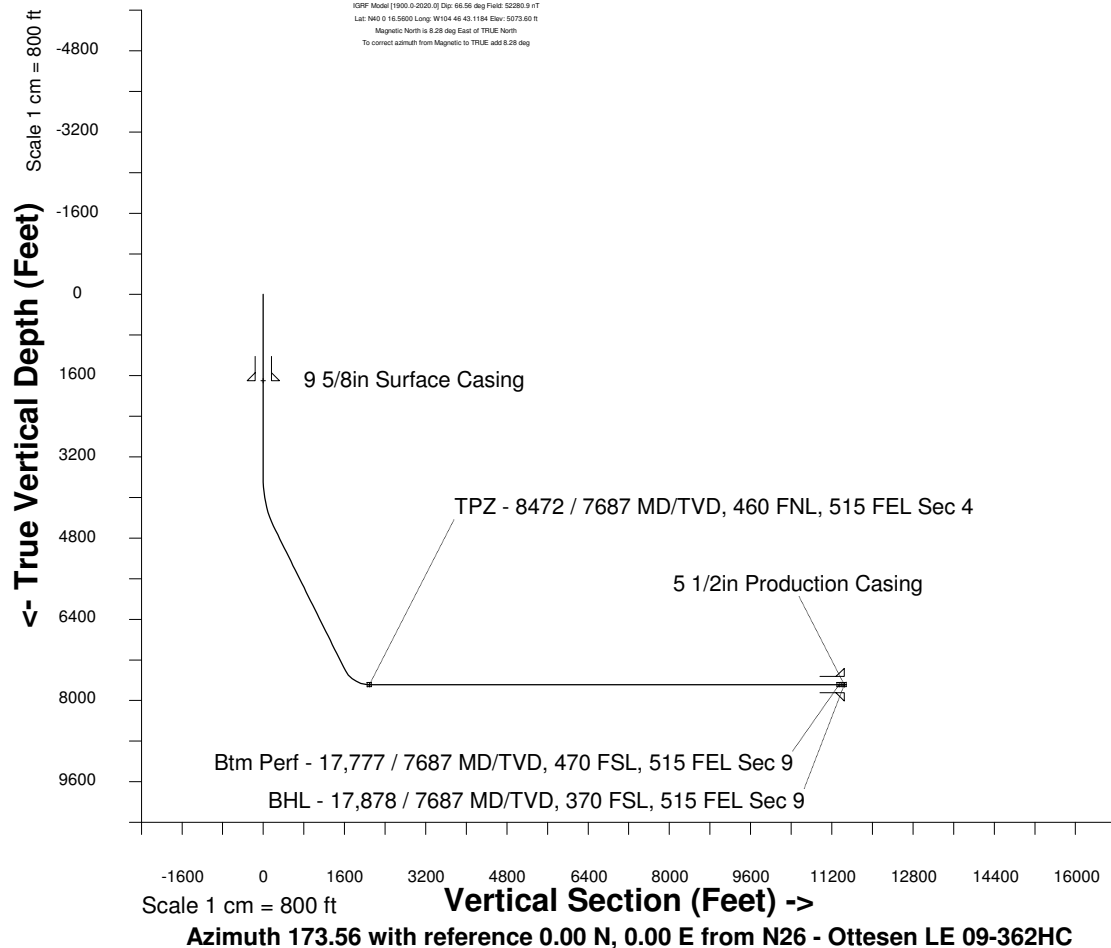
Scale 1 cm = 500 ft

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 09-362HC (PWB).
Ref wellpath is Ottesen LE 09-362HC (PWP#1).
Coordinates are in Feet reference N26 - Ottesen LE 09-362HC.
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 6.28 deg East of TRUE North
To correct azimuth from Magnetic to TRUE, add 6.28 deg



S/2 Sec 33, T1N, R66W

TPZ - 8472 / 7687 MD/TVD, 460 FNL, 515 FEL Sec 4

Sec 04, T1S, R66W

Sec 09, T1S, R66W

Btm Perf - 17,777 / 7687 MD/TVD, 470 FSL, 515 FEL Sec 9

BHL - 17,878 / 7687 MD/TVD, 370 FSL, 515 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	3648.00	0.00	143.01	3648.00	S 0.00	W 0.00	0.00	0.00
End of Build	4648.02	30.00	143.01	4602.95	S 204.38	E 153.96	9.84	220.37
End of Hold	7868.69	30.00	143.01	7392.12	S 1490.63	E 1122.90	0.00	1607.24
Target TPZ - ... Sec 4	8471.85	90.00	179.65	7687.00	S 1967.12	E 1227.41	36.09	2092.45
Target Btm Pe... Sec 9	17777.35	90.00	179.65	7687.00	S 11272.45	E 1283.93	0.00	11345.33
End of Turn	17777.58	90.00	179.68	7687.00	S 11272.67	E 1283.93	36.09	11345.55
T.D. & Target BHL...c 9	17877.54	90.00	179.68	7687.00	S 11372.63	E 1284.49	0.00	11444.94

<- North(Feet)

Scale 1 cm = 500 ft