



# Great Western Operating Company, LLC

**Location** Colorado  
**Field** Wattenburg  
**Installation** Ottesen  
**Slot** Slot N17 - Ottesen LE 09-367HC  
**Well** Ottesen LE 09-367HC  
**Wellbore** Ottesen LE 09-367HC (PWB)

Created by admin  
Date plotted 14-Oct-2016

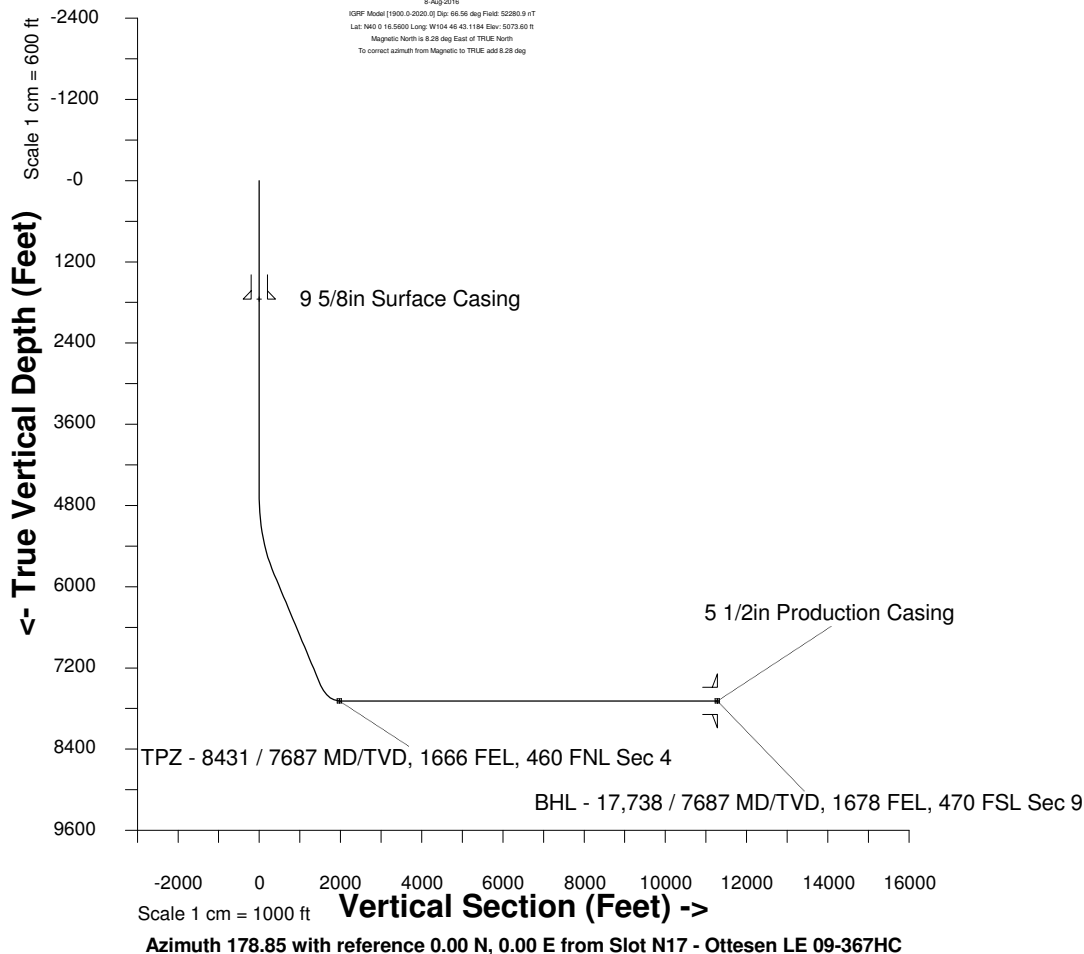
Plot reference is Ottesen LE 09-367HC (PWB).  
Ref wellpath is Ottesen LE 09-367HC (PWP#1).  
Coordinates are in Feet reference Slot N17 - Ottesen LE 09-367HC.  
True Vertical Depths are reference Rig Datum.  
Measured Depths are reference Rig Datum.  
Rig Datum: Planned Datum #1  
Rig Datum to Mean 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	4686.50	0.00	173.85	4686.50	S 0.00	W 0.00	0.00	0.00
End of Build	5853.22	35.00	173.85	5781.99	S 343.44	E 36.98	9.84	344.11
End of Hold	7879.26	35.00	173.85	7441.60	S 1498.89	E 161.41	0.00	1501.83
Target TPZ - ... Sec 4	8431.34	90.00	179.72	7687.00	S 1969.34	E 181.27	32.81	1972.58
T.D. & Target BHL...c 9	17737.88	90.00	179.72	7687.00	S 11275.76	E 226.46	0.00	11278.04

Sec 33, T1N, R66W

TPZ - 8431 / 7687 MD/TVD, 1666 FEL, 460 FNL Sec 4

Sec 04, T1S, R66W

Sec 09, T1S, R66W

BHL - 17,738 / 7687 MD/TVD, 1678 FEL, 470 FSL Sec 9

<- North(Feet)

Scale 1 cm = 500 ft