

# Great Western Operating Company, LLC

**Location** Colorado  
**Field** Wattenburg  
**Installation** Ottesen  
**Slot** N11 - Ottesen LE 09-373HC  
**Well** Ottesen LE 09-373HC  
**Wellbore** Ottesen LE 09-373HC (PWB)

Created by admin  
Date plotted 28-Dec-2017

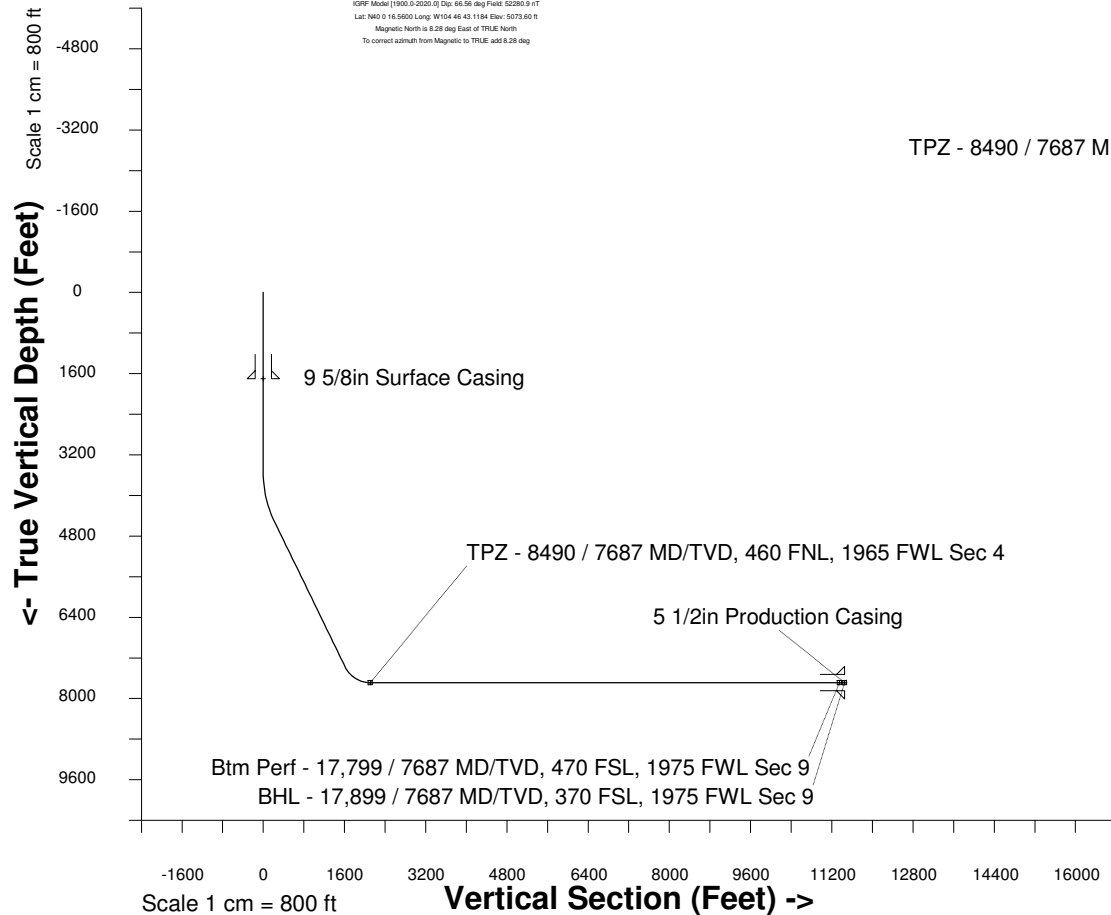
Plot reference is Ottesen LE 09-373HC (PWB).  
Ref wellpath is Ottesen LE 09-373HC (PWP#1).  
Coordinates are in Feet reference N11 - Ottesen LE 09-373HC.  
True Vertical Depths are reference Rig Datum.  
Measured Depths are reference Rig Datum.  
Rig Datum: Planned Datum #1  
Rig Datum to Mean Sea Level: 5093.60 ft.  
Plot North is aligned to TRUE North.

Scale 1 cm = 500 ft

East (Feet) ->

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

8-Aug-2016  
KOPF 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



Scale 1 cm = 800 ft

Vertical Section (Feet) ->

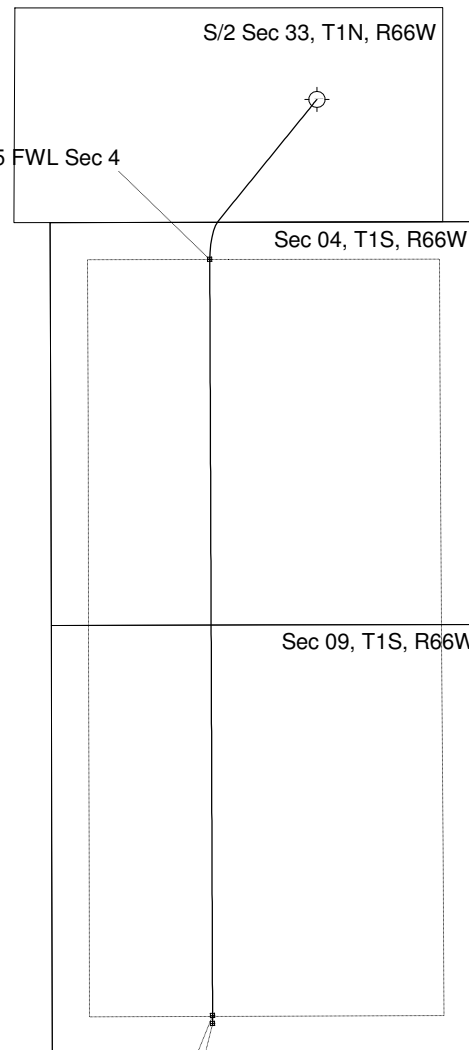
Azimuth 186.44 with reference 0.00 N, 0.00 E from N11 - Ottesen LE 09-373HC

## 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	3547.00	0.00	219.10	3547.00	S 0.00	W 0.00	0.00	-0.00
End of Build	4547.10	30.00	219.10	4502.02	S 198.62	W 161.39	9.84	215.48
End of Hold	7878.60	30.00	219.10	7387.09	S 1491.51	W 1211.95	0.00	1618.09
Target TPZ - ... Sec 4	8489.85	90.00	179.79	7687.00	S 1972.22	W 1319.87	36.09	2107.88
Target Btm Pe... Sec 9	17798.53	90.00	179.79	7687.00	S 11280.83	W 1285.33	0.00	11353.81
End of Turn	17800.51	90.00	180.01	7687.00	S 11282.81	W 1285.32	36.09	11355.78
T.D. & Target BHL...c 9	17898.71	90.00	180.01	7687.00	S 11381.01	W 1285.33	0.00	11453.36

Btm Perf - 17,799 / 7687 MD/TVD, 470 FSL, 1975 FWL Sec 9

BHL - 17,899 / 7687 MD/TVD, 370 FSL, 1975 FWL Sec 9



<- North(Feet)

Scale 1 cm = 500 ft