

# Great Western Operating Company, LLC

**Location** Colorado  
**Field** Wattenburg  
**Installation** Ottesen  
**Slot** N02 - Ottesen LE 09-379HN  
**Well** Ottesen LE 09-379HN  
**Wellbore** Ottesen LE 09-379HN (PWB)

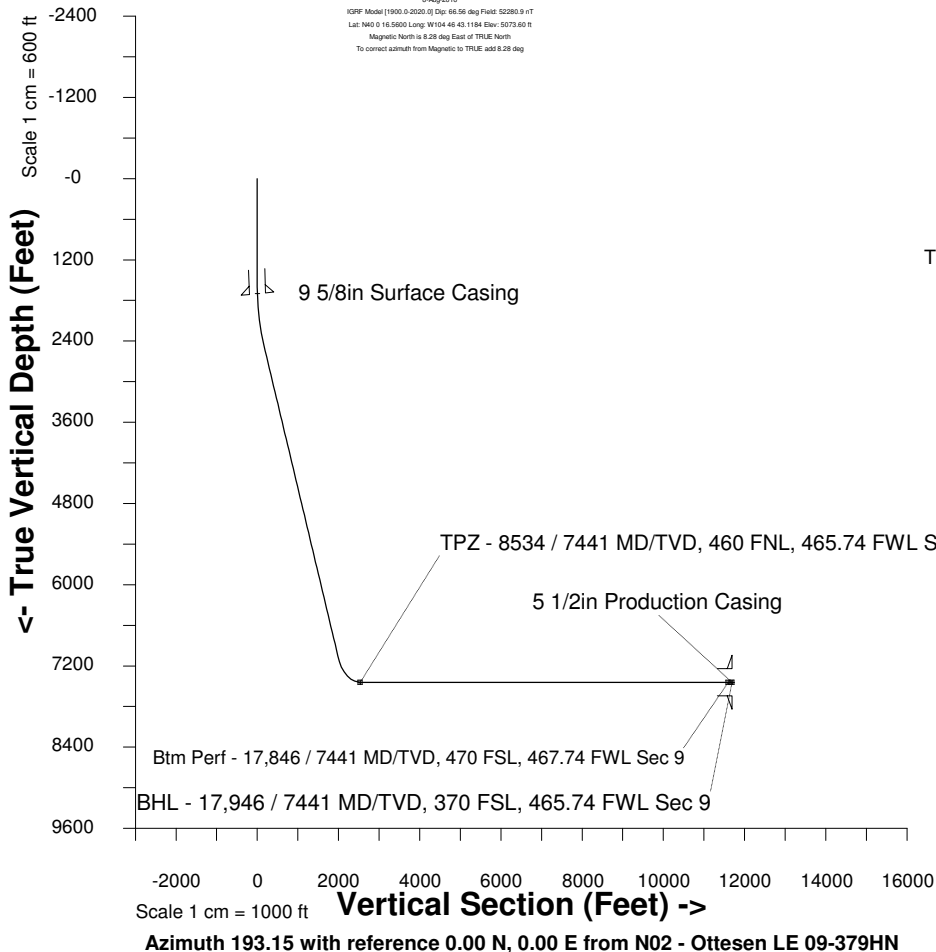
Scale 1 cm = 500 ft

East (Feet) ->

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

Created by admin  
Date plotted 21-Dec-2017  
Plot reference is Ottesen LE 09-379HN (PWB).  
Ref wellpath is Ottesen LE 09-379HN (PWP#1).  
Coordinates are in Feet reference N02 - Ottesen LE 09-379HN.  
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.

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



TPZ - 8534 / 7441 MD/TVD, 460 FNL, 465.74 FWL Sec 4

S/2 Sec 33, T1N, R66W

Sec 04, T1S, R66W

Sec 09, T1S, R66W

BHL - 17,946 / 7441 MD/TVD, 370 FSL, 465.74 FWL Sec 9

Btm Perf - 17,846 / 7441 MD/TVD, 470 FSL, 467.74 FWL 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	1540.00	0.00	239.67	1540.00	S 0.00	W 0.00	0.00	-0.00
End of Build	2539.90	30.00	239.67	2494.84	S 129.18	W 220.81	9.84	176.02
End of Hold	7848.16	30.00	239.67	7092.07	S 1469.31	W 2511.49	0.00	2002.05
Target TPZ - ... Sec 4	8534.02	90.00	179.85	7441.00	S 1973.93	W 2684.28	36.09	2532.74
Target Btm Pe... Sec 9	17845.95	90.00	179.85	7441.00	S 11285.82	W 2659.50	0.00	11594.92
End of Turn	17847.40	90.00	180.01	7441.00	S 11287.27	W 2659.50	36.09	11596.33
T.D. & Target BHL...c 9	17946.13	90.00	180.01	7441.00	S 11386.00	W 2659.51	0.00	11692.48

<- North(Feet)

Scale 1 cm = 500 ft