

# Great Western Operating Company, LLC

**Location** Colorado  
**Field** Wattenburg  
**Installation** Ottesen  
**Slot** N24 - Ottesen LE 09-363HN  
**Well** Ottesen LE 09-363HN  
**Wellbore** Ottesen LE 09-363HN (PWB)

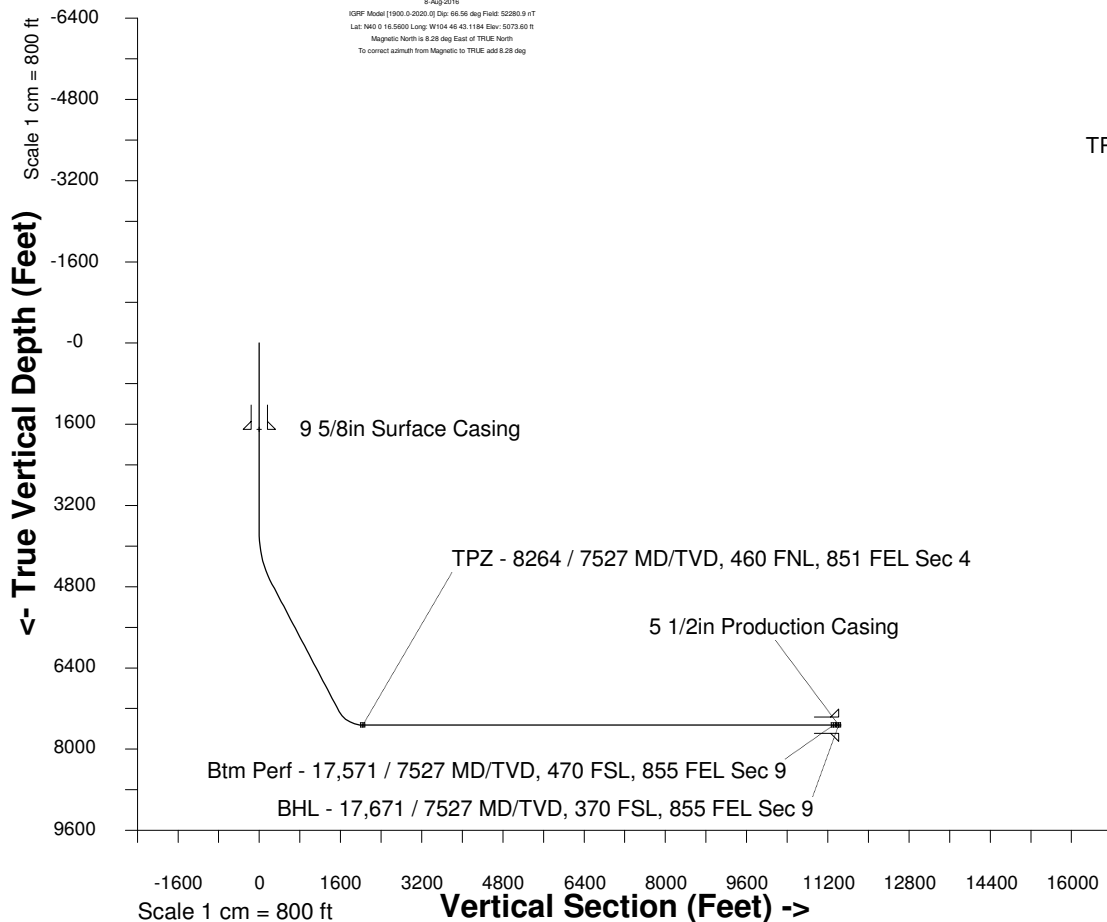
Created by admin  
Date plotted 28-Dec-2017  
Plot reference is Ottesen LE 09-363HN (PWB).  
Ref wellpath is Ottesen LE 09-363HN (PWP#1).  
Coordinates are in Feet reference N24 - Ottesen LE 09-363HN.  
True Vertical Depths are reference Rig Datum.  
Measured Depths are reference Rig Datum.  
Rig Datum: 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  
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



Azimuth 175.10 with reference 0.00 N, 0.00 E from N24 - Ottesen LE 09-363HN

## 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	3757.00	0.00	150.76	3757.00	S 0.00	W 0.00	0.00	0.00
End of Build	4756.93	30.00	150.76	4711.87	S 223.24	E 124.96	9.84	233.10
End of Hold	7681.74	30.00	150.76	7244.88	S 1499.26	E 839.21	0.00	1565.43
Target TPZ - ... Sec 4	8263.96	90.00	179.67	7527.00	S 1967.13	E 920.63	36.09	2038.54
Target Btm Pe... Sec 9	17570.54	90.00	179.67	7527.00	S 11273.56	E 973.94	0.00	11315.55
End of Turn	17570.59	90.00	179.68	7527.00	S 11273.61	E 973.95	36.09	11315.60
T.D. & Target BHL...c 9	17670.72	90.00	179.68	7527.00	S 11373.74	E 974.51	0.00	11415.41

S/2 Sec 33, T1N, R66W

TPZ - 8264 / 7527 MD/TVD, 460 FNL, 851 FEL Sec 4

Sec 04, T1S, R66W

Sec 09, T1S, R66W

Btm Perf - 17,571 / 7527 MD/TVD, 470 FSL, 855 FEL Sec 9

BHL - 17,671 / 7527 MD/TVD, 370 FSL, 855 FEL Sec 9

<- North(Feet)

Scale 1 cm = 500 ft