



# Great Western Operating Company, LLC

**Location** Colorado  
**Field** Wattenburg  
**Installation** Ottesen  
**Slot** N25 - Ottesen LE 09-363HNX  
**Well** Ottesen LE 09-363HNX  
**Wellbore** Ottesen LE 09-363HNX (PWB)

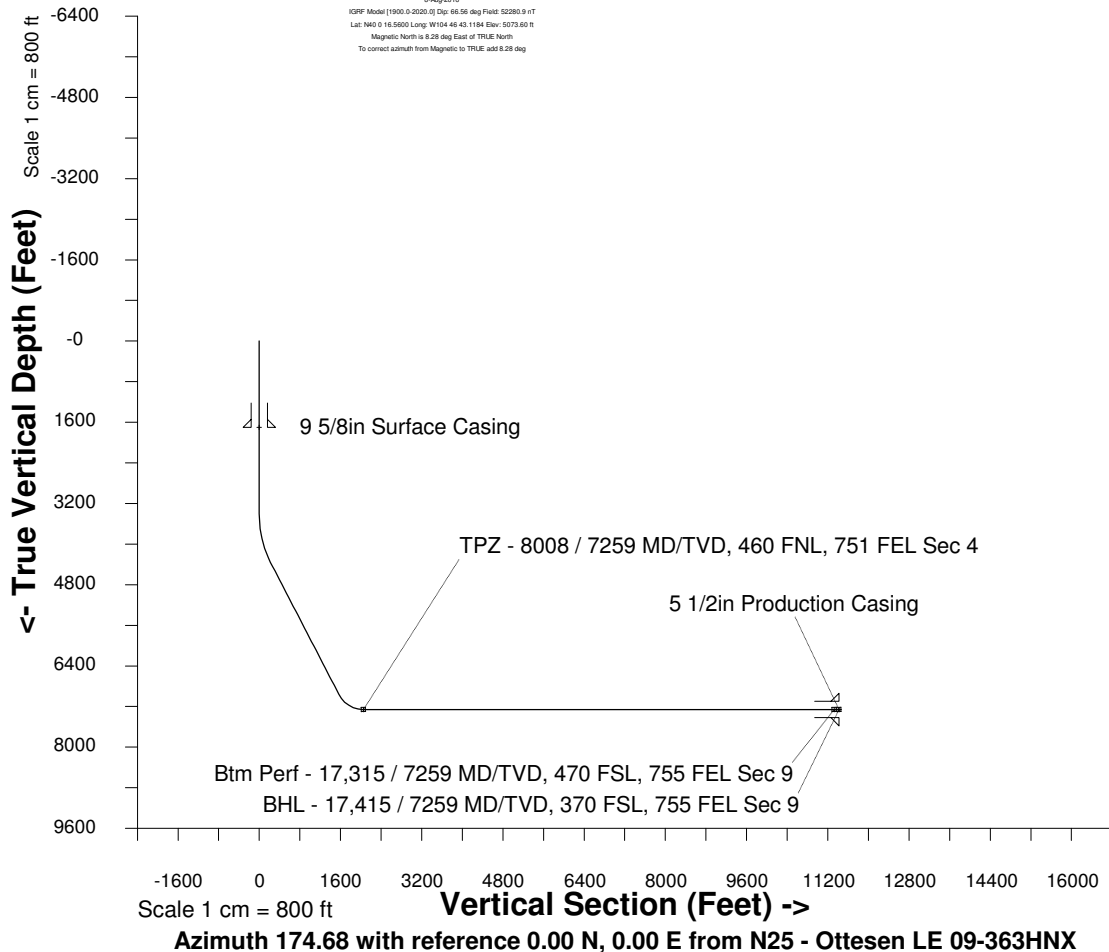
Scale 1 cm = 500 ft

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 09-363HNX (PWB).  
Ref wellpath is Ottesen LE 09-363HNX (PWP#1).  
Coordinates are in Feet reference N25 - Ottesen LE 09-363HNX.  
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 8.28 deg East of TRUE North  
To correct azimuth from Magnetic to TRUE, add 8.28 deg



S/2 Sec 33, T1N, R66W

TPZ - 8008 / 7259 MD/TVD, 460 FNL, 751 FEL Sec 4

Sec 04, T1S, R66W

Sec 09, T1S, R66W

Btm Perf - 17,315 / 7259 MD/TVD, 470 FSL, 755 FEL Sec 9

BHL - 17,415 / 7259 MD/TVD, 370 FSL, 755 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	3420.00	0.00	148.47	3420.00	S 0.00	W 0.00	0.00	0.00
End of Build	4419.96	30.00	148.47	4374.89	S 218.08	E 133.79	9.84	229.55
End of Hold	7420.39	30.00	148.47	6973.38	S 1496.78	E 918.27	0.00	1575.51
Target TPZ - ... Sec 4	8008.41	90.00	179.68	7259.00	S 1967.13	E 1006.36	36.09	2052.01
Target Btm Pe... Sec 9	17314.98	90.00	179.68	7259.00	S 11273.55	E 1058.87	0.00	11323.17
End of Turn	17316.45	90.00	179.52	7259.00	S 11275.02	E 1058.88	36.09	11324.63
T.D. & Target BHL...c 9	17415.17	90.00	179.52	7259.00	S 11373.73	E 1059.71	0.00	11422.99

<- North(Feet)

Scale 1 cm = 500 ft