



# Great Western Operating Company, LLC

**Location** Colorado  
**Field** Wattenburg  
**Installation** Ottesen  
**Slot** N23 - Ottesen LE 09-365HN  
**Well** Ottesen LE 09-365HN  
**Wellbore** Ottesen LE 09-365HN (PWB)

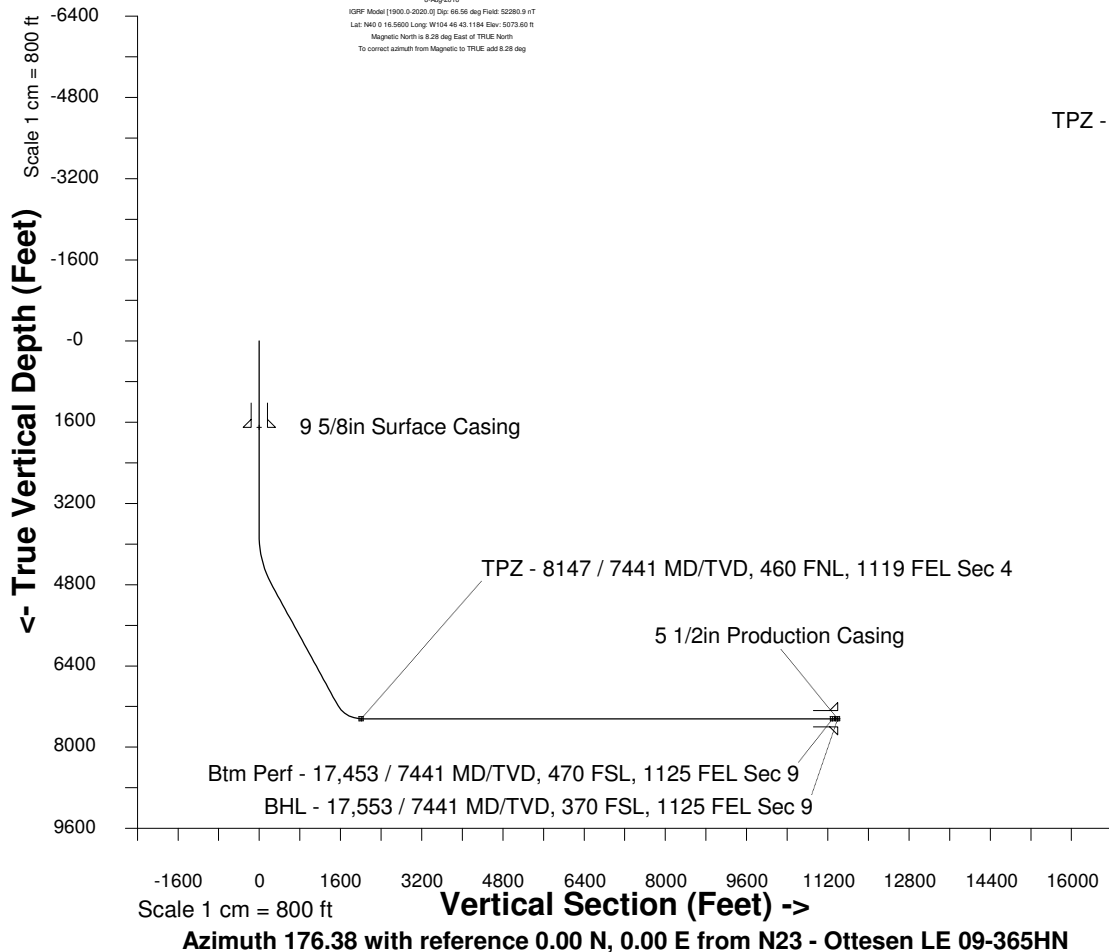
Scale 1 cm = 500 ft

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 09-365HN (PWB).  
Ref wellpath is Ottesen LE 09-365HN (PWP#1).  
Coordinates are in Feet reference N23 - Ottesen LE 09-365HN.  
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



S/2 Sec 33, T1N, R66W

TPZ - 8147 / 7441 MD/TVD, 460 FNL, 1119 FEL Sec 4

Sec 04, T1S, R66W

Sec 09, T1S, R66W

Btm Perf - 17,453 / 7441 MD/TVD, 470 FSL, 1125 FEL Sec 9

BHL - 17,553 / 7441 MD/TVD, 370 FSL, 1125 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	3841.00	0.00	158.04	3841.00	S 0.00	W 0.00	0.00	0.00
End of Build	4840.85	30.00	158.04	4795.80	S 237.23	E 95.67	9.84	242.80
End of Hold	7580.22	30.00	158.04	7168.28	S 1507.33	E 607.87	0.00	1542.73
Target TPZ - ... Sec 4	8146.69	90.00	179.69	7441.00	S 1968.23	E 668.48	36.09	2006.53
Target Btm Pe... Sec 9	17453.25	90.00	179.69	7441.00	S 11274.66	E 719.46	0.00	11297.59
End of Turn	17453.31	90.00	179.68	7441.00	S 11274.74	E 719.46	36.09	11297.67
T.D. & Target BHL...c 9	17553.42	90.00	179.68	7441.00	S 11374.84	E 720.02	0.00	11397.60

North(Feet)

Scale 1 cm = 500 ft