

# Great Western Operating Company, LLC

**Location** Colorado  
**Field** Wattenburg  
**Installation** Ottesen  
**Slot** N27 - Ottesen LE 09-362HN  
**Well** Ottesen LE 09-362HN  
**Wellbore** Ottesen LE 09-362HN (PWB)

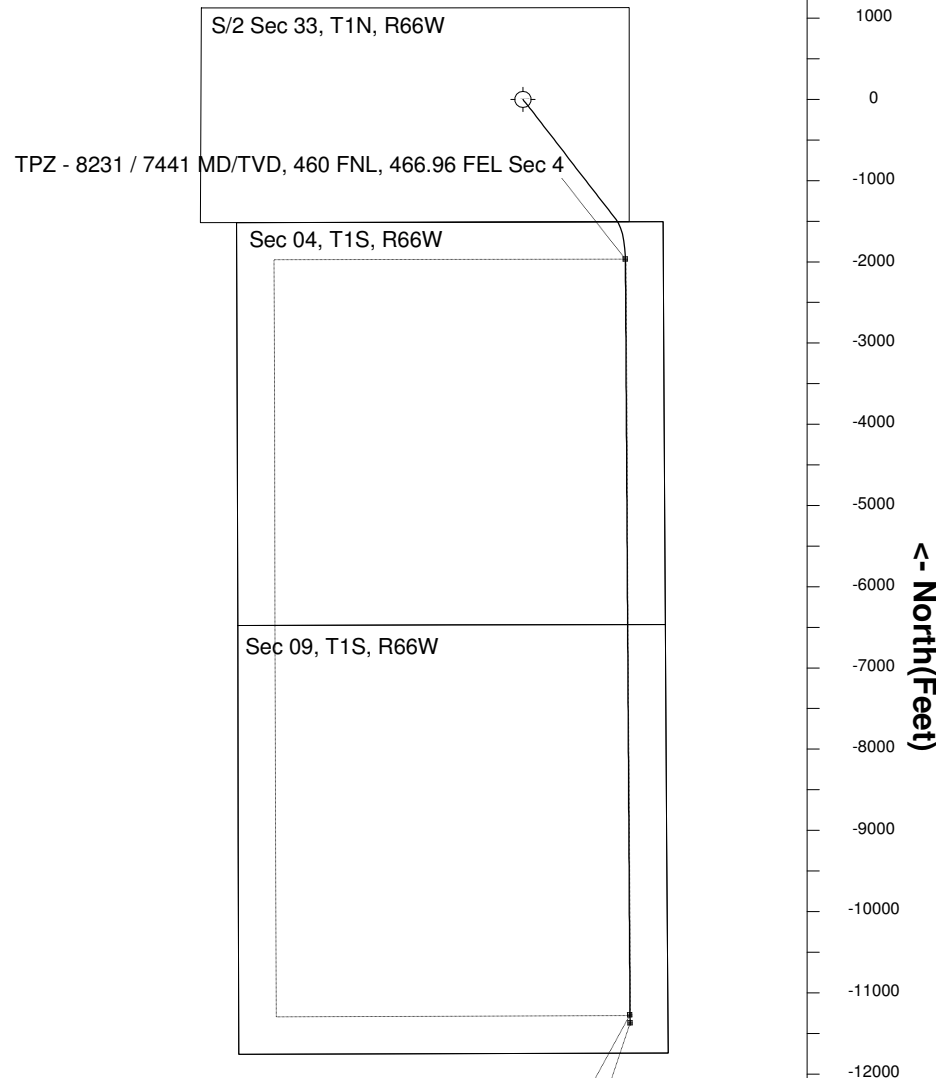
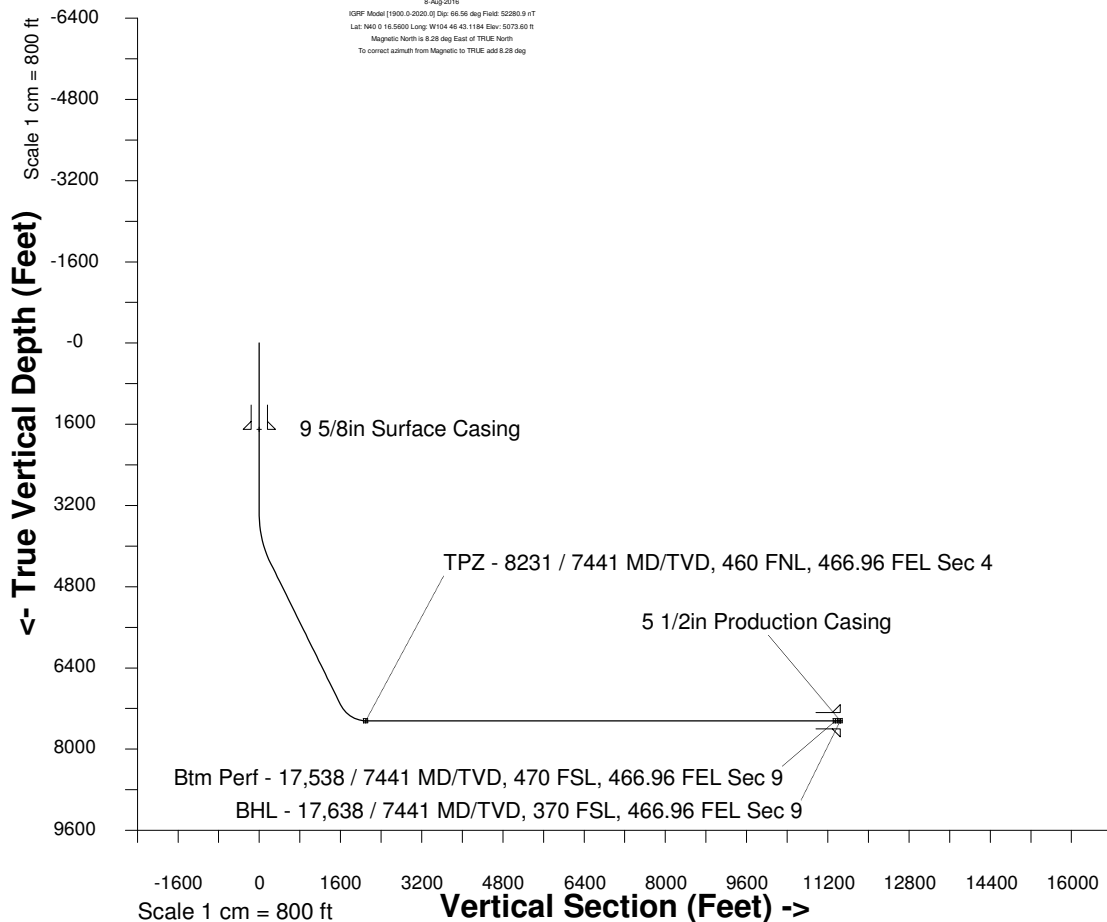
Created by admin  
Date plotted 28-Dec-2017  
Plot reference is Ottesen LE 09-362HN (PWB).  
Ref wellpath is Ottesen LE 09-362HN (PWP#1).  
Coordinates are in Feet reference N27 - Ottesen LE 09-362HN.  
True Vertical Depths are reference Rig Datum.  
Measured Depths are reference Rig Datum.  
Rig Datum: 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

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



## 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	3371.00	0.00	142.22	3371.00	S 0.00	W 0.00	0.00	0.00
End of Build	4371.08	30.00	142.22	4326.00	S 202.27	E 156.78	9.84	218.97
End of Hold	7625.89	30.00	142.22	7144.67	S 1488.62	E 1153.85	0.00	1611.56
Target TPZ - ... Sec 4	8231.38	90.00	179.65	7441.00	S 1966.03	E 1260.75	36.09	2098.10
Target Btm Pe... Sec 9	17537.98	90.00	179.65	7441.00	S 11272.45	E 1317.28	0.00	11349.15
End of Turn	17539.22	90.00	179.52	7441.00	S 11273.69	E 1317.29	36.09	11350.39
T.D. & Target BHL...c 9	17638.16	90.00	179.52	7441.00	S 11372.63	E 1318.12	0.00	11448.76

Btm Perf - 17,538 / 7441 MD/TVD, 470 FSL, 466.96 FEL Sec 9  
BHL - 17,638 / 7441 MD/TVD, 370 FSL, 466.96 FEL Sec 9