



# Great Western Operating Company, LLC

**Location** Colorado  
**Field** Wattenburg  
**Installation** Ottesen  
**Slot** Slot N20 - Ottesen LE 09-364HC  
**Well** Ottesen LE 09-364HC  
**Wellbore** Ottesen LE 09-364HC (PWB)

Created by admin  
Date plotted 14-Oct-2016

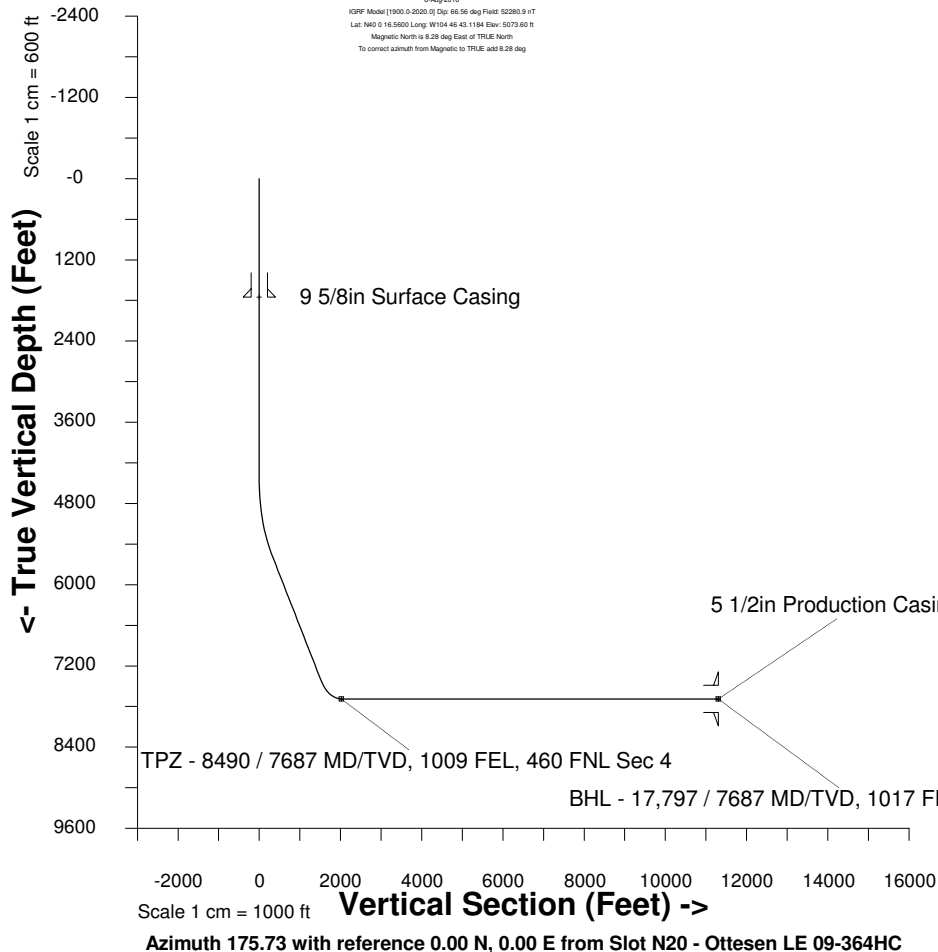
Plot reference is Ottesen LE 09-364HC (PWB).  
Ref wellpath is Ottesen LE 09-364HC (PWP#1).  
Coordinates are in Feet reference Slot N20 - Ottesen LE 09-364HC.  
True Vertical Depths are reference Rig Datum.  
Measured Depths are reference Rig Datum.  
Rig Datum: Planned Datum #1  
Rig Datum to Mean Sea Level: 5093.60 ft.  
Plot North is aligned to TRUE North.

Scale 1 cm = 500 ft

East (Feet) ->

-10000 -9000 -8000 -7000 -6000 -5000 -4000 -3000 -2000 -1000 -0 1000 2000

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



Sec 33, T1N, R66W  
TPZ - 8490 / 7687 MD/TVD, 1009 FEL, 460 FNL Sec 4

Sec 04, T1S, R66W

Sec 09, T1S, R66W

BHL - 17,797 / 7687 MD/TVD, 1017 FEL, 470 FSL Sec 9

<- North(Feet)

Scale 1 cm = 500 ft

## 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	4478.50	0.00	154.30	4478.50	S 0.00	W 0.00	0.00	0.00
End of Build	5645.12	35.00	154.30	5573.91	S 311.20	E 149.78	9.84	321.49
End of Hold	7901.88	35.00	154.30	7422.57	S 1477.51	E 711.14	0.00	1526.39
Target TPZ - ... Sec 4	8489.81	90.00	179.70	7687.00	S 1967.14	E 793.15	32.81	2020.77
T.D. & Target BHL...c 9	17797.46	90.00	179.70	7687.00	S 11274.66	E 842.50	0.00	11306.09