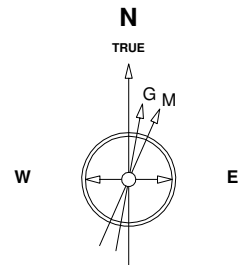


# Great Western Operating Company, LLC

**Location** Colorado  
**Field** Wattenburg  
**Installation** Ottesen  
**Slot** S15 - Ottesen LE 06-170HNX  
**Well** Ottesen LE 06-170HNX  
**Wellbore** Ottesen LE 06-170HNX (PWB)

Created by admin  
Date plotted 28-Dec-2017  
Plot reference is Ottesen LE 06-170HNX (PWB).  
Ref wellpath is Ottesen LE 06-170HNX (PWP#1).  
Coordinates are in Feet reference S15 - Ottesen LE 06-170HNX.  
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.



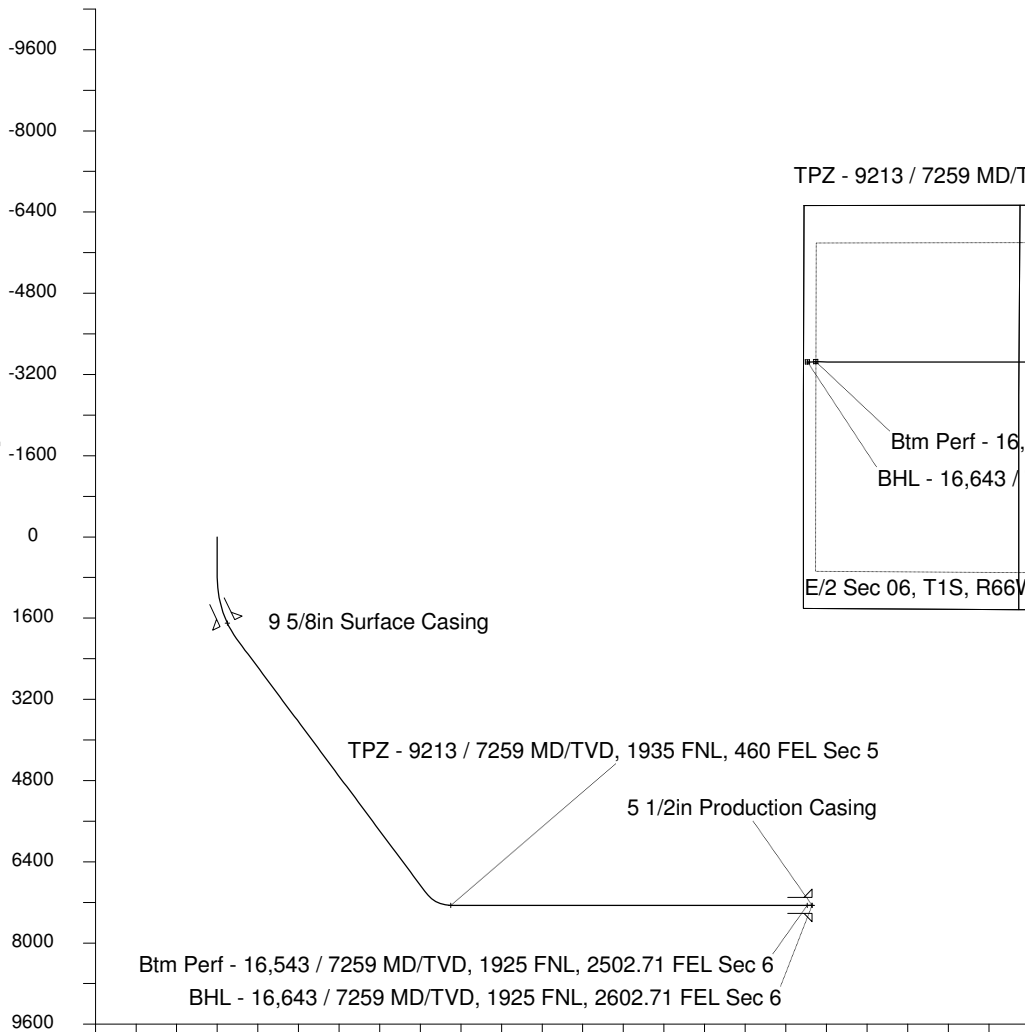
8-Aug-2016  
IGRF Model [1900.0-2020.0] Dip: 66.56 deg Field: 52280.9 nT  
Lat: N40 0 16.5600 Long: W104 46 43.1184 Elev: 5073.60 ft  
Magnetic North is 8.28 deg East of TRUE North  
To correct azimuth from Magnetic to TRUE add 8.28 deg

Scale 1 cm = 500 ft

East (Feet) ->

-15000 -14000 -13000 -12000 -11000 -10000 -9000 -8000 -7000 -6000 -5000 -4000 -3000 -2000 -1000 0 1000 2000

Scale 1 cm = 800 ft  
True Vertical Depth (Feet)



Scale 1 cm = 800 ft

Vertical Section (Feet) ->

Azimuth 253.41 with reference 0.00 N, 0.00 E from S15 - Ottesen LE 06-170HNX

TPZ - 9213 / 7259 MD/TVD, 1935 FNL, 460 FEL Sec 5

Btm Perf - 16,543 / 7259 MD/TVD, 1925 FNL, 2502.71 FEL Sec 6

BHL - 16,643 / 7259 MD/TVD, 1925 FNL, 2602.71 FEL Sec 6

E/2 Sec 06, T1S, R66W

Sec 05, T1S, R66W

Sec 04, T1S, R66W

S/2 Sec 33, T1N, R66W

<- 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	800.00	0.00	226.13	800.00	S 0.00	W 0.00	0.00	-0.00
End of Build	2132.82	39.98	226.13	2027.24	S 309.45	W 321.87	9.84	396.81
End of Hold	8645.25	39.98	226.13	7017.17	S 3209.74	W 3338.60	0.00	4115.90
Target TPZ - ... Sec 5	9212.76	90.00	270.04	7259.00	S 3350.06	W 3800.41	36.09	4598.55
Target Btm Pe... Sec 6	16542.93	90.00	270.04	7259.00	S 3344.58	W 11130.57	0.00	11622.18
End of Turn	16545.00	90.00	269.81	7259.00	S 3344.58	W 11132.65	36.09	11624.17
T.D. & Target BHL...c 6	16642.95	90.00	269.81	7259.00	S 3344.89	W 11230.60	0.00	11718.14