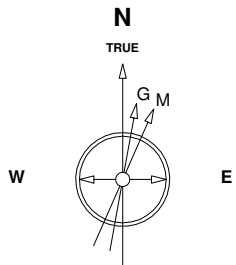


# Great Western Operating Company, LLC

**Location** Colorado  
**Field** Wattenburg  
**Installation** B-Farm  
**Slot** E-17 - B-Farm LD 18-390HN  
**Well** B-Farm LD 18-390HN  
**Wellbore** B-Farm LD 18-390HN (PWB)

Created by admin  
Date plotted 28-Nov-2016

Plot reference is B-Farm LD 18-390HN (PWB).  
Ref wellpath is B-Farm LD 18-390HN (PWP#1).  
Coordinates are in Feet reference E-17 - B-Farm LD 18-390HN.  
True Vertical Depths are reference Rig Datum.  
Measured Depths are reference Rig Datum.  
Rig Datum: Planned Datum #1  
Rig Datum to Mean Sea Level: 20.00 ft.  
Plot North is aligned to TRUE North.



Scale 1 cm = 300 ft

East (Feet) ->

-3600 -3000 -2400 -1800 -1200 -600 0 600 1200 1800 2400 3000 3600 4200

2400

TPZ - 8317 / 7786 MD/TVD, 460 FNL, 2448 FWL Sec 7

1600

Sec 7 T1S, R67W

800

Surface 0.00 N 0.00 E

0

-800

-1600

-2400

-3200

-4000

-4800

-5600

-6400

-7200

-8000

-8800

-9600

-10400

<- North(Feet)

Scale 1 cm = 400 ft

8-Sep-2016  
IGRF Model [1900.0-2020.0] Dip: 66.51 deg Field: 52284.8 nT  
Lat: N39 59 3.0300 Long: W104 56 2.5008 Elev: 0.00 ft  
Magnetic North is 8.35 deg East of TRUE North  
To correct azimuth from Magnetic to TRUE add 8.35 deg

<- True Vertical Depth (Feet)

Scale 1 cm

-1600  
-0  
1600  
3200  
4800  
6400  
8000  
9600

9 5/8in Surface Casing

5 1/2in Production Casing

TPZ - 8317 / 7786 MD/TVD, 460 FNL, 2448 FWL Sec 7

BHL - 18,255 / 7786 MD/TVD, 150 FSL, 2450 FWL Sec 18

-3200 -1600 0 1600 3200 4800 6400 8000 9600 11200 12800

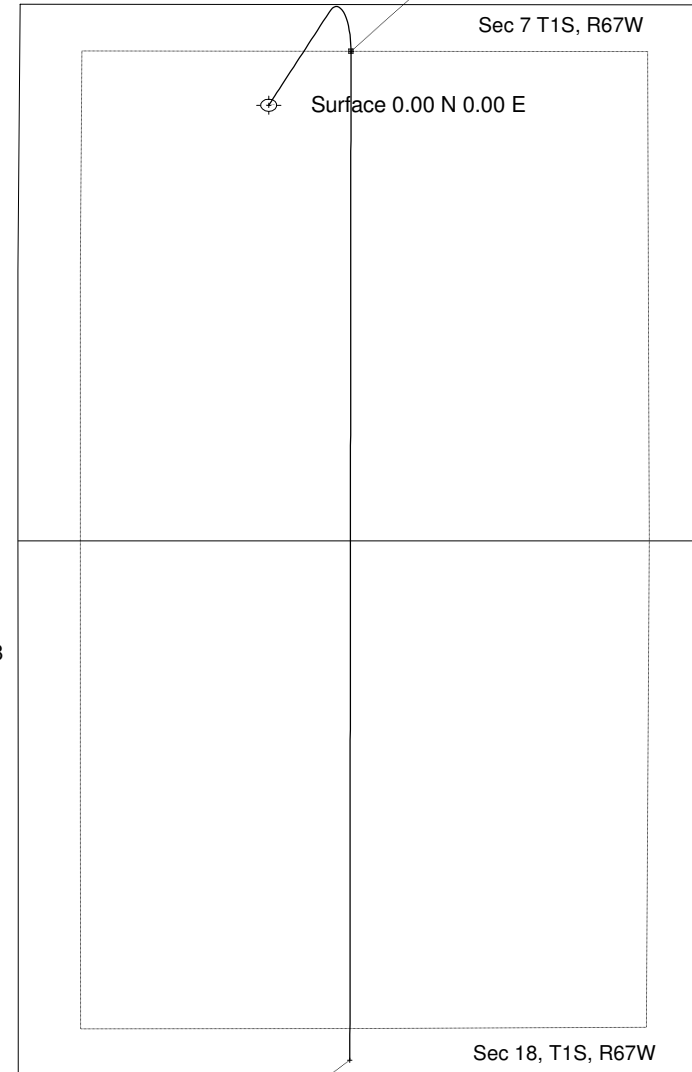
Scale 1 cm = 800 ft

Vertical Section (Feet) ->

Azimuth 176.35 with reference 0.00 N, 0.00 E from E-17 - B-Farm LD 18-390HN

## 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	4870.50	0.00	26.00	4870.50	S 0.00	W 0.00	0.00	0.00
End of Build	5870.61	30.00	26.00	5825.53	N 230.03	E 112.18	9.84	-222.43
End of Hold	7419.16	30.00	26.00	7166.56	N 926.03	E 451.61	0.00	-895.42
Target TPZ - ... Sec 7	8317.01	90.00	180.05	7786.00	N 532.23	E 607.81	42.65	-492.48
T.D. & Target BHL... 18	18255.08	90.00	180.05	7786.00	S 9405.84	E 599.64	0.00	9424.94



BHL - 18,255 / 7786 MD/TVD, 150 FSL, 2450 FWL Sec 18