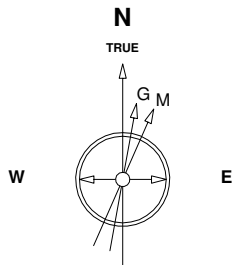


# Great Western Operating Company, LLC

**Location** Colorado  
**Field** Wattenburg  
**Installation** B-Farm  
**Slot** E-09 - B-Farm LD 18-396HN  
**Well** B-Farm LD 18-396HN  
**Wellbore** B-Farm LD 18-396HN (PWB)

Created by admin  
Date plotted 10-Nov-2016  
Plot reference is B-Farm LD 18-396HN (PWB).  
Ref wellpath is B-Farm LD 18-396HN (PWP#1).  
Coordinates are in Feet reference E-09 - B-Farm LD 18-396HN.  
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

1600

800

0

-800

-1600

-2400

-3200

-4000

-4800

-5600

-6400

-7200

-8000

-8800

-9600

-10400

<- North(Feet)

Scale 1 cm = 400 ft

TPZ - 8472 / 7673 MD/TVD, 460 FNL, 1319 FEL Sec 7

Sec 7 T1S, R67W

Sec 18, T1S, R67W

BHL -18,400 / 7673 MD/TVD, 150 FSL, 1318 FEL Sec 18

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 = 800 ft

Vertical Section (Feet) ->

Azimuth 168.48 with reference 0.00 N, 0.00 E from E-09 - B-Farm LD 18-396HN

9 5/8in Surface Casing

5 1/2in Production Casing

TPZ - 8472 / 7673 MD/TVD, 460 FNL, 1319 FEL Sec 7

BHL -18,400 / 7673 MD/TVD, 150 FSL, 1318 FEL Sec 18

Scale 1 cm = 800 ft

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## 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	3375.00	0.00	62.55	3375.00	S 0.00	W 0.00	0.00	0.00
End of Build	4375.15	30.00	62.55	4330.06	N 117.99	E 227.13	9.84	-70.25
End of Hold	7677.86	30.00	62.55	7190.16	N 879.36	E 1692.74	0.00	-523.55
Target TPZ - ... Sec 7	8472.85	90.00	180.05	7673.00	N 450.33	E 1939.71	42.65	-53.84
T.D. & Target BHL... 18	18400.36	90.00	180.05	7673.00	S 9477.17	E 1931.80	0.00	9672.06