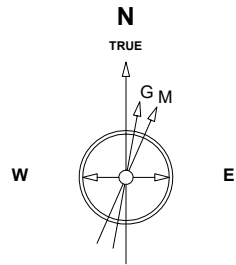


# Great Western Operating Company, LLC

**Location** Colorado  
**Field** Wattenburg  
**Installation** Schaefer-Pre

**Slot** C12 - Schaefer LD 13-032HN  
**Well** Schaefer LD 13-032HN  
**Wellbore** Schaefer LD 13-032HN (PWB)

Created by admin  
Date plotted 13-Aug-2018  
Plot reference is Schaefer LD 13-032HN (PWB).  
Ref wellpath is Schaefer LD 13-032HN (PWP#1).  
Coordinates are in Feet reference C12 - Schaefer LD 13-032HN.  
True Vertical Depths are reference Rig Datum.  
Measured Depths are reference Rig Datum.  
Rig Datum: Planned Datum #1  
Rig Datum to Mean Sea Level: 5041.40 ft.  
Plot North is aligned to TRUE North.



Scale 1 cm = 400 ft

East (Feet) ->

-8800 -8000 -7200 -6400 -5600 -4800 -4000 -3200 -2400 -1600 -800 0 800 1600 2400

BHL - 18,204 / 7501 MD/TVD, 370 FNL, 2355 FEL Sec 13  
Btm Perf - 18,104 / 7501 MD/TVD, 470 FNL, 2355 FEL Sec 13

Aug-2-2018  
EMM-2015 [2000.0-2020.0] Dip: 66.28 deg Field: 51960.7 nT  
Lat: N39 56 40.1460 Long: W104 50 5.2404 Elev: 5021.40 ft  
Magnetic North is 8.18 deg East of TRUE North  
To correct azimuth from Magnetic to TRUE add 8.18 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	4426.00	0.00	196.02	4426.00	S 0.00	W 0.00	0.00	0.00
End of Build	5425.96	30.00	196.02	5380.89	S 245.92	W 70.61	3.00	-242.98
End of Hold	6664.39	30.00	196.02	6453.42	S 841.06	W 241.49	0.00	-831.02
Target	8458.96	90.00	0.13	7501.00	N 97.56	W 405.04	0.00	113.25
Target Btm Pe...Sec 13	18104.20	90.00	0.13	7501.00	N 9742.77	W 383.70	0.00	9750.32
End of Turn	18104.47	90.00	0.16	7501.00	N 9743.04	W 383.70	13.00	9750.59
T.D. & Target BHL... 13	18204.01	90.00	0.16	7501.00	N 9842.59	W 383.42	0.00	9850.05

