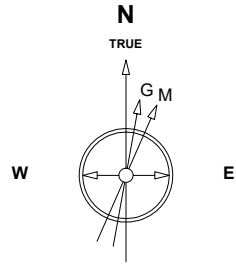


# Great Western Operating Company, LLC

**Location** Colorado  
**Field** Wattenburg  
**Installation** Gus  
**Slot** E02 - Gus LD 15-031HNX  
**Well** Gus LD 15-031HNX  
**Wellbore** Gus LD 15-031HNX (PWB)

Created by admin  
Date plotted 24-Oct-2018

Plot reference is Gus LD 15-031HNX (PWB).  
Ref wellpath is Gus LD 15-031HNX (PWP#1).  
Coordinates are in Feet reference E02 - Gus LD 15-031HNX.  
True Vertical Depths are reference Rig Datum.  
Measured Depths are reference Rig Datum.  
Rig Datum: Planned Datum #1  
Rig Datum to Mean Sea Level: 5143.30 ft.  
Plot North is aligned to TRUE North.



Scale 1 cm = 500 ft

East (Feet) ->

-7000 -6000 -5000 -4000 -3000 -2000 -1000 0 1000 2000 3000 4000 5000 6000

Oct-22-2018

EMM-2015 [2000.0-2020.0] Dip: 66.27 deg Field: 51954.5 nT  
Lat: N39 57 11.9124 Long: W104 53 9.4056 Elev: 5123.30 ft  
Magnetic North is 8.17 deg East of TRUE North  
To correct azimuth from Magnetic to TRUE add 8.17 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	900.00	0.00	119.44	900.00	S 0.00	W 0.00	0.00	0.00
End of Build	1885.90	29.58	119.44	1842.70	S 122.31	E 216.74	3.00	-19.70
End of Hold	7648.88	29.58	119.44	6854.71	S 1520.33	E 2694.07	0.00	-244.89
Target TPZ - ...Sec 22	8689.31	90.00	359.99	7493.00	S 964.44	E 3009.44	10.00	392.10
Target Btm Pe...Sec 15	16034.74	90.00	359.99	7493.00	N 6380.98	E 3008.27	0.00	7054.42
End of Turn	16036.33	90.00	359.83	7493.00	N 6382.58	E 3008.27	10.00	7055.87
T.D. & Target BHL... 15	16134.92	90.00	359.83	7493.00	N 6481.16	E 3007.98	0.00	7145.17

<- True Vertical Depth (Feet)

Scale 1 cm = 800 ft

-3200  
-1600  
0  
1600  
3200  
4800  
6400  
8000  
9600

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

Scale 1 cm = 800 ft

Vertical Section (Feet) ->

Azimuth 24.90 with reference 0.00 N, 0.00 E from E02 - Gus LD 15-031HNX

9 5/8in Surface Casing

TPZ - 8689 / 7493 MD/TVD, 2563.54 FNL, 2590 FEL Sec 22

5 1/2in Production Casing

Btm Perf - 16,035 / 7493 MD/TVD, 470 FNL, 2590 FEL Sec 15

BHL - 16,135 / 7493 MD/TVD, 370 FNL, 2590 FEL Sec 15

TPZ - 8689 / 7493 MD/TVD, 2563.54 FNL, 2590 FEL Sec 22

BHL - 16,135 / 7493 MD/TVD, 370 FNL, 2590 FEL Sec 15  
Btm Perf - 16,035 / 7493 MD/TVD, 470 FNL, 2590 FEL Sec 15

Sec 15, T1S, R67W

Sec 21, T1S, R67W

Sec 22, T1S, R67W

<- North(Feet)

Scale 1 cm = 500 ft

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