

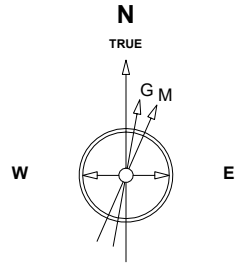
Great Western Operating Company, LLC

Location Colorado
Field Wattenburg
Installation Gus

Slot E04 - Gus LD 15-032HN
Well Gus LD 15-032HN
Wellbore Gus LD 15-032HN (PWB)

Created by admin
Date plotted 24-Oct-2018

Plot reference is Gus LD 15-032HN (PWB).
Ref wellpath is Gus LD 15-032HN (PWP#1).
Coordinates are in Feet reference E04 - Gus LD 15-032HN.
True Vertical Depths are reference Rig Datum.
Measured Depths are reference Rig Datum.
Rig Datum: Planned Datum #1
Rig Datum to Mean Sea Level: 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 | 800.00 | 0.00 | 116.38 | 800.00 | S 0.00 | W 0.00 | 0.00 | 0.00 |
| End of Build | 2383.66 | 31.67 | 116.38 | 2304.23 | S 189.62 | E 382.25 | 2.00 | 5.87 |
| End of Hold | 7954.68 | 31.67 | 116.38 | 7045.48 | S 1489.53 | E 3002.74 | 0.00 | 46.08 |
| Target TPZ - ...Sec 22 | 8989.66 | 90.00 | 359.99 | 7664.00 | S 932.34 | E 3344.48 | 10.00 | 697.83 |
| Target Btm Pe...Sec 15 | 16334.72 | 90.00 | 359.99 | 7664.00 | N 6412.72 | E 3343.21 | 0.00 | 7231.73 |
| End of Turn | 16336.32 | 90.00 | 359.83 | 7664.00 | N 6414.32 | E 3343.21 | 10.00 | 7233.15 |
| T.D. & Target BHL... 15 | 16434.54 | 90.00 | 359.83 | 7664.00 | N 6512.53 | E 3342.92 | 0.00 | 7320.39 |

<- True Vertical Depth (Feet)

Scale 1 cm = 800 ft

-3200
-1600
0
1600
3200
4800
6400
8000
9600

9 5/8in Surface Casing

TPZ - 8990 / 7664 MD/TVD, 2562.28 FNL, 2255 FEL Sec 22

5 1/2in Production Casing

Btm Perf - 16,335 / 7664 MD/TVD, 470 FNL, 2255 FEL Sec 15

BHL - 16,435 / 7664 MD/TVD, 370 FNL, 2255 FEL Sec 15

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

Scale 1 cm = 800 ft

Vertical Section (Feet) ->

Azimuth 27.17 with reference 0.00 N, 0.00 E from E04 - Gus LD 15-032HN

BHL - 16,435 / 7664 MD/TVD, 370 FNL, 2255 FEL Sec 15
Btm Perf - 16,335 / 7664 MD/TVD, 470 FNL, 2255 FEL Sec 15

TPZ - 8990 / 7664 MD/TVD, 2562.28 FNL, 2255 FEL Sec 22

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