

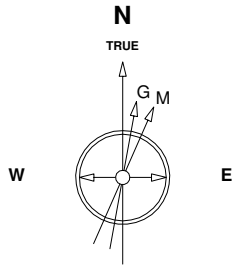
# Great Western Operating Company, LLC

**Location** Colorado  
**Field** Wattenburg  
**Installation** Dittmer

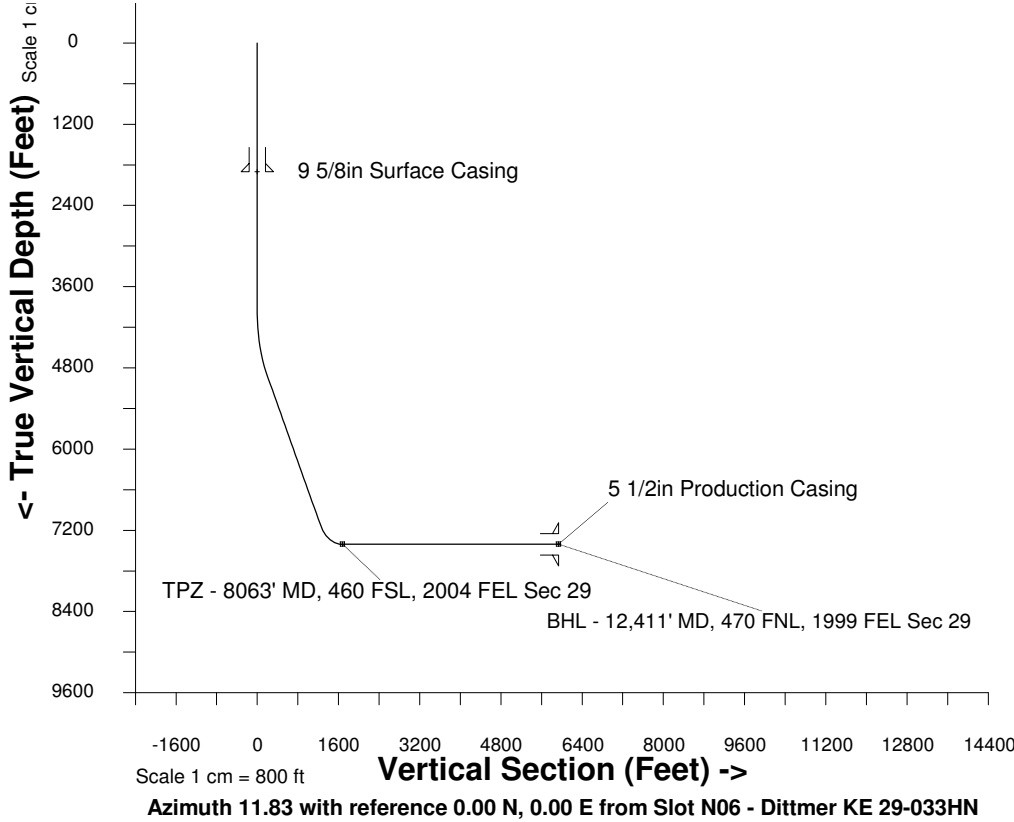
**Slot** Slot N06 - Dittmer KE 29-033HN  
**Well** Dittmer KE 29-033HN  
**Wellbore** Dittmer KE 29-033HN (PWB)

Created by admin  
Date plotted 5-May-2016

Plot reference is Dittmer KE 29-033HN (PWB).  
Ref wellpath is Dittmer KE 29-033HN (PWP#1).  
Coordinates are in Feet reference Slot N06 - Dittmer KE 29-033HN.  
True Vertical Depths are reference Rig Datum.  
Measured Depths are reference Rig Datum.  
Rig Datum: Planned Datum #1  
Rig Datum to Mean Sea Level: 4982.50 ft.  
Plot North is aligned to TRUE North.



3-Jun-2015  
IGRF Model [1900.0-2020.0] Dip: 66.59 deg Field: 52417.9 nT  
Lat: N40 0 43.8804 Long: W104 48 11.5416 Elev: 4966.30 ft  
Magnetic North is 8.41 deg East of TRUE North  
To correct azimuth from Magnetic to TRUE add 8.41 deg



Scale 1 cm = 400 ft

**East (Feet) ->**

-5600 -4800 -4000 -3200 -2400 -1600 -800 0 800 1600 2400 3200 4000 4800

W2 Sec 20, T1N, R66W

11200

10400

9600

8800

8000

7200

6400

5600

4800

4000

3200

2400

1600

800

0

-800

**<- North(Feet)**

Scale 1 cm = 400 ft

BHL - 12,411' MD, 470 FNL, 1999 FEL Sec 29

TPZ - 8063' MD, 460 FSL, 2004 FEL Sec 29

Sec 29, T1N, R66W

Sec 32, T1N, R66W

## WELL PROFILE DATA

| Point                   | MD       | Inc   | Azi   | TVD     | North     | East      | deg/100ft | V. Sect |
|-------------------------|----------|-------|-------|---------|-----------|-----------|-----------|---------|
| Tie on                  | 16.20    | 0.00  | 0.00  | 16.20   | S 0.00    | W 0.00    |           | 0.00    |
| KOP                     | 3988.50  | 0.00  | 46.48 | 3988.50 | S 0.00    | W 0.00    | 0.00      | 0.00    |
| End of Build            | 4988.50  | 30.00 | 46.48 | 4943.43 | N 176.19  | E 185.55  | 9.84      | 210.49  |
| End of Hold             | 7525.38  | 30.00 | 46.48 | 7140.43 | N 1049.59 | E 1105.39 | 0.00      | 1253.93 |
| Target TPZ - ...Sec 29  | 8062.77  | 90.00 | 0.00  | 7407.00 | N 1463.37 | E 1217.02 | 42.65     | 1681.81 |
| T.D. & Target BHL... 29 | 12410.91 | 90.00 | 0.00  | 7407.00 | N 5811.52 | E 1217.37 | 0.00      | 5937.65 |