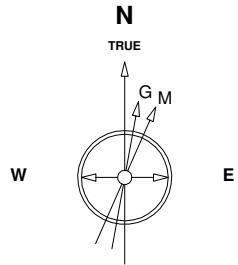


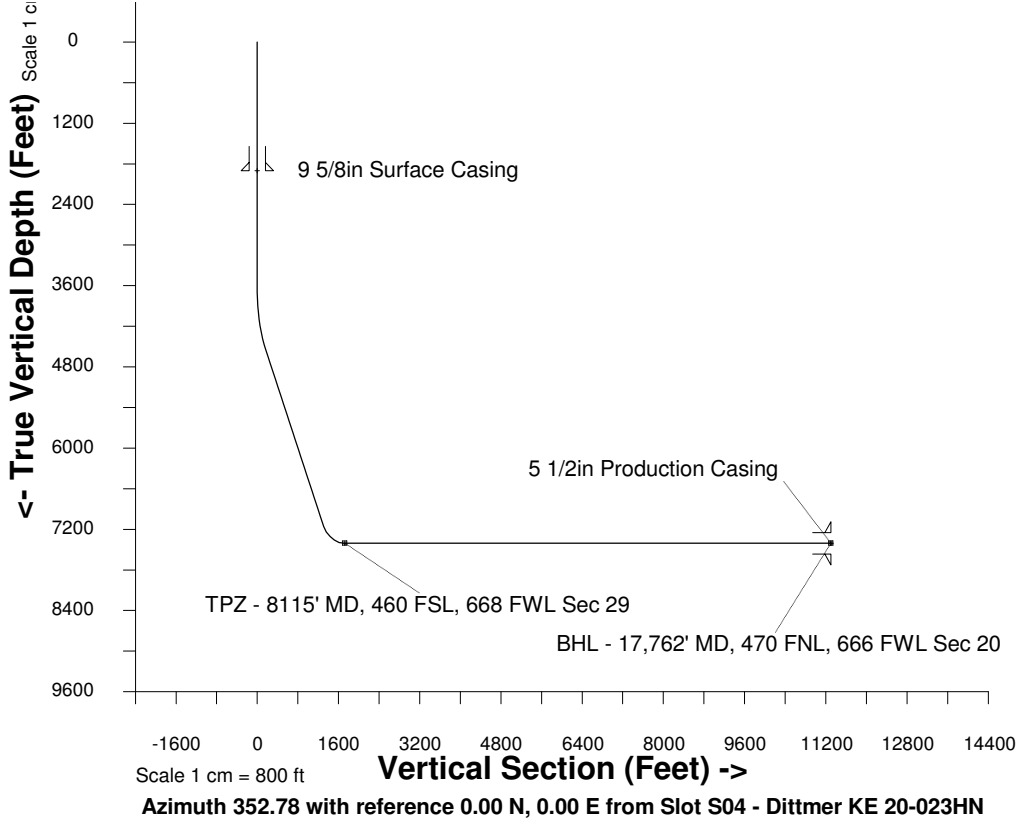
# Great Western Operating Company, LLC

**Location** Colorado  
**Field** Wattenburg  
**Installation** Dittmer  
**Slot** Slot S04 - Dittmer KE 20-023HN  
**Well** Dittmer KE 20-023HN  
**Wellbore** Dittmer KE 20-023HN (PWB)

Created by admin  
Date plotted 5-May-2016  
Plot reference is Dittmer KE 20-023HN (PWB).  
Ref wellpath is Dittmer KE 20-023HN (PWP#1).  
Coordinates are in Feet reference Slot S04 - Dittmer KE 20-023HN.  
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



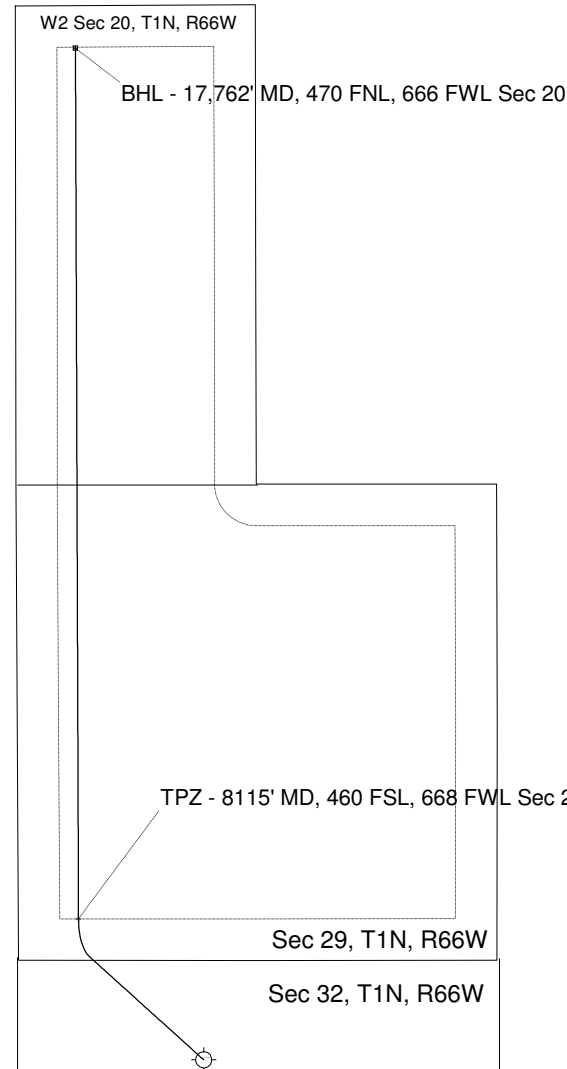
## WELL PROFILE DATA

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	3660.00	0.00	312.08	3660.00	S 0.00	W 0.00	0.00	0.00
End of Build	4659.99	30.00	312.08	4614.92	N 171.49	W 189.89	9.84	194.01
End of Hold	7573.43	30.00	312.08	7138.04	N 1147.82	W 1270.99	0.00	1298.54
Target TPZ - ...Sec 29	8114.52	90.00	359.80	7407.00	N 1562.47	W 1387.32	42.65	1724.52
T.D. & Target BHL... 20	17762.03	90.00	359.80	7407.00	N 11209.92	W 1420.94	0.00	11299.62

Scale 1 cm = 450 ft

**East (Feet) ->**

-5400 -4500 -3600 -2700 -1800 -900 0 900 1800 2700 3600 4500 5400 6300



**<- North(Feet)**

Scale 1 cm = 450 ft