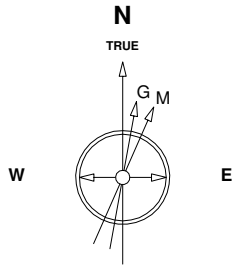


# Great Western Operating Company, LLC

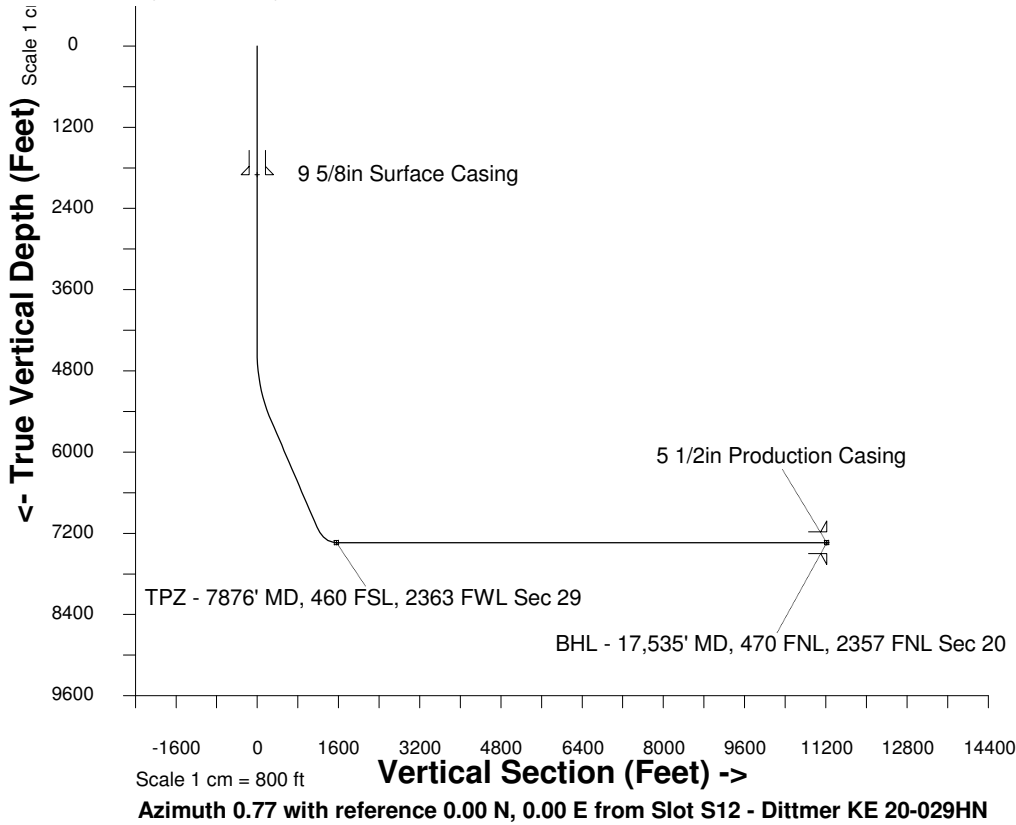
**Location** Colorado  
**Field** Wattenburg  
**Installation** Dittmer  
**Slot** Slot S12 - Dittmer KE 20-029HN  
**Well** Dittmer KE 20-029HN  
**Wellbore** Dittmer KE 20-029HN (PWB)

Created by admin  
Date plotted 5-May-2016

Plot reference is Dittmer KE 20-029HN (PWB).  
Ref wellpath is Dittmer KE 20-029HN (PWP#1).  
Coordinates are in Feet reference Slot S12 - Dittmer KE 20-029HN.  
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	4542.50	0.00	8.23	4542.50	S 0.00	W 0.00	0.00	0.00
End of Build	5542.57	30.00	8.23	5497.49	N 253.27	E 36.61	9.84	253.74
End of Hold	7411.56	30.00	8.23	7116.05	N 1178.22	E 170.33	0.00	1180.39
Target TPZ - ...Sec 29	7875.84	90.00	359.78	7338.00	N 1561.34	E 187.67	42.65	1563.71
T.D. & Target BHL... 20	17535.38	90.00	359.78	7338.00	N 11220.81	E 150.07	0.00	11221.81

