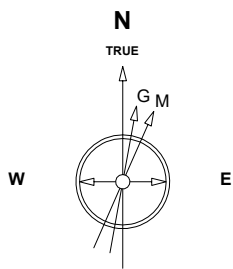


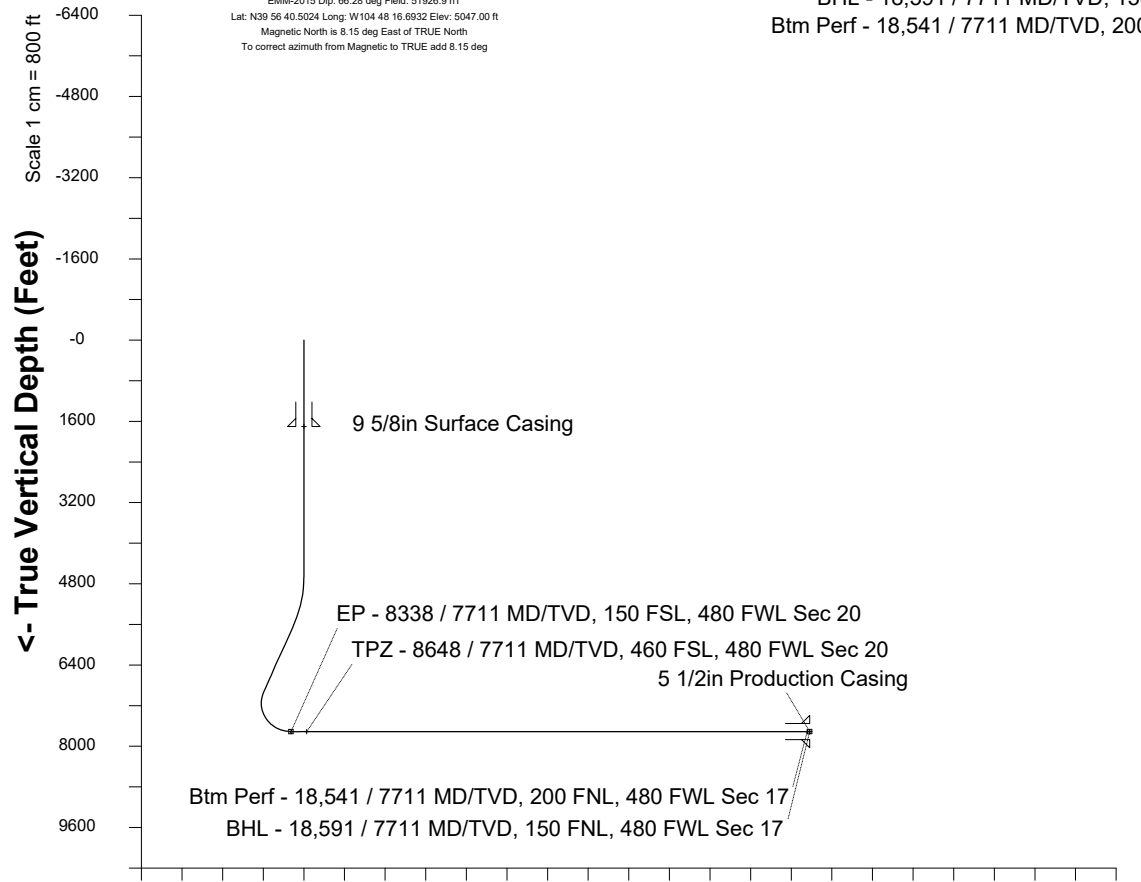
# Great Western Operating Company, LLC

<b>Location</b>	Colorado	<b>Slot</b>	S18 - Prairie LE 17-019HC
<b>Field</b>	Wattenburg	<b>Well</b>	Prairie LE 17-019HC
<b>Installation</b>	Prairie	<b>Wellbore</b>	S18 - Prairie LE 17-019HC (PWB)

Created by mmount  
Date plotted 20-Dec-2019  
Plot reference is S18 - Prairie LE 17-019HC (PWB).  
Ref wellpath is S18 - Prairie LE 17-019HC (PWP#1).  
Coordinates are in Feet reference S18 - Prairie LE 17-019HC.  
True Vertical Depths are reference Rig Datum.  
Measured Depths are reference Rig Datum.  
Rig Datum: Planned Datum #1  
Rig Datum to Mean Sea Level: 5067.00 ft.  
Plot North is aligned to TRUE North.

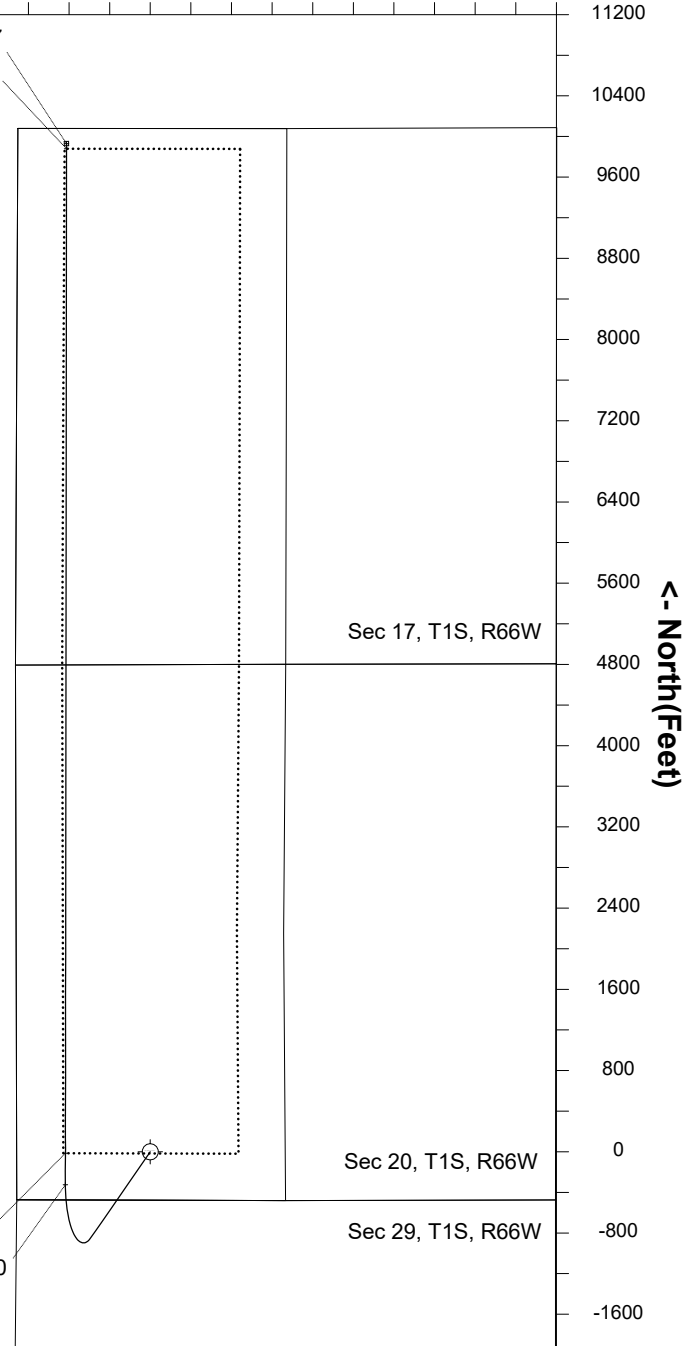


Nov-6-2018  
EMM-2015 Dip: 66.28 deg Field: 51926.9 nT  
Lat: N39 56 40.5024 Long: W104 48 16.6932 Elev: 5047.00 ft  
Magnetic North is 8.15 deg East of TRUE North  
To correct azimuth from Magnetic to TRUE add 8.15 deg



BHL - 18,591 / 7711 MD/TVD, 150 FNL, 480 FWL Sec 17  
Btm Perf - 18,541 / 7711 MD/TVD, 200 FNL, 480 FWL Sec 17

Scale 1 cm = 800 ft  
**Vertical Section (Feet) ->**  
Azimuth 355.25 with reference 0.00 N, 0.00 E from S18 - Prairie LE 17-019HC



## WELL PROFILE DATA

Point	MD	Inc	Azi	TVD	North	East	deg/100ft
Tie on	0.00	0.00	0.00	0.00	S 0.00	W 0.00	
KOP	4648.50	0.00	214.63	4648.50	S 0.00	W 0.00	0.00
Target EP - 8...Sec 20	8337.66	90.00	0.06	7711.00	S 324.20	W 835.85	10.00
Target TPZ - 8...Sec 2	8647.66	90.00	0.06	7711.00	S 14.20	W 835.85	0.00
Target BTM PERF... 1	18541.16	90.00	0.06	7711.00	N 9879.30	W 824.30	0.00
T.D. & Target BHL... 17	18591.16	90.00	0.06	7711.00	N 9929.30	W 824.30	0.00

TPZ - 8648 / 7711 MD/TVD, 460 FSL, 480 FWL Sec 20  
EP - 8338 / 7711 MD/TVD, 150 FSL, 480 FWL Sec 20