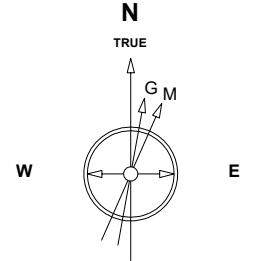


# Great Western Operating Company, LLC

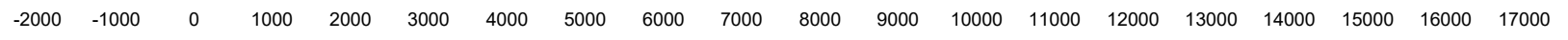
Created by admin  
 Date plotted 25-Jan-2019  
 Plot reference is Brant LE 08-039HC (PWB).  
 Ref wellpath is Brant LE 08-039HC (PWP#1).  
 Coordinates are in Feet reference N12 - Brant LE 08-039HC.  
 True Vertical Depths are reference Rig Datum.  
 Measured Depths are reference Rig Datum.  
 Rig Datum: Planned Datum #1  
 Rig Datum to Mean Sea Level: 4992.00 ft.  
 Plot North is aligned to TRUE North.

<b>Location</b>	Colorado	<b>Slot</b>	N12 - Brant LE 08-039HC
<b>Field</b>	Wattenburg	<b>Well</b>	Brant LE 08-039HC
<b>Installation</b>	Brant	<b>Wellbore</b>	Brant LE 08-039HC (PWB)



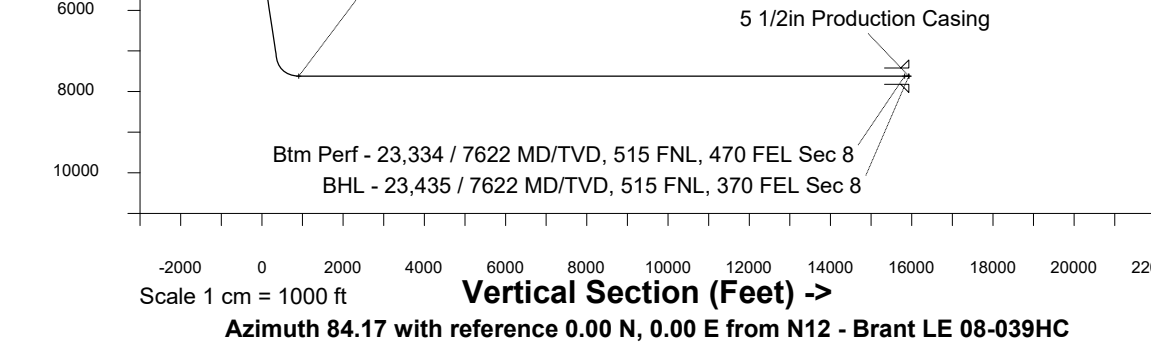
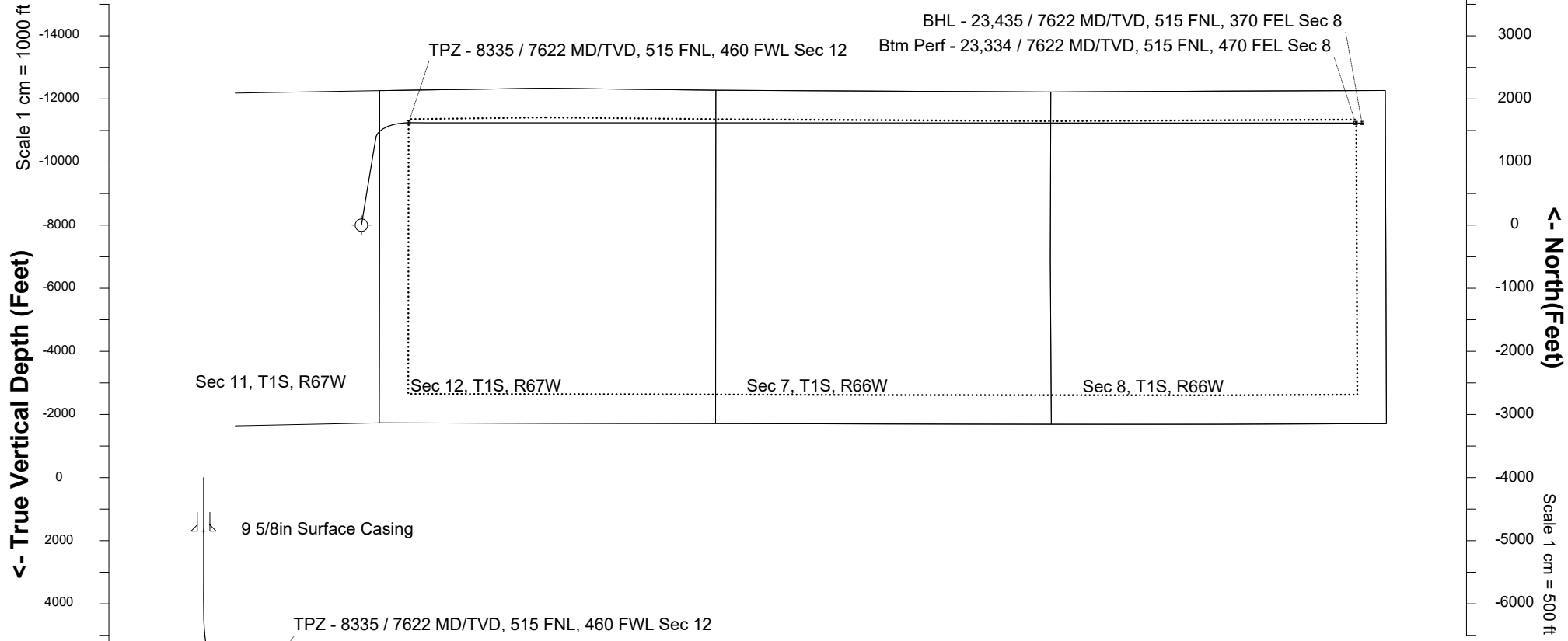
Scale 1 cm = 500 ft

East (Feet) ->



Apr-14-2017  
 IGRF Model [1900.0-2020.0] Dip: 66.51 deg Field: 52184.6 nT  
 Lat: N39 58 49.6308 Long: W104 50 52.6468 Elev: 4972.00 ft  
 Magnetic North is 8.24 deg East of TRUE North  
 To correct azimuth from Magnetic to TRUE add 8.24 deg

Scale 1 cm = 1000 ft



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	4263.00	0.00	9.33	4263.00	S 0.00	W 0.00	0.00	0.00
End of Build	5263.13	30.00	9.33	5218.04	N 252.55	E 41.48	3.00	66.91
End of Hold	7558.77	30.00	9.33	7206.05	N 1385.33	E 227.55	0.00	367.00
Target TPZ - ...Sec 12	8334.78	90.00	90.02	7622.00	N 1622.18	E 746.79	11.00	907.61
Target Btm Pe... Sec 8	23334.29	90.00	90.02	7622.00	N 1616.95	E 15746.30	0.00	15829.10
End of Turn	23334.72	90.00	89.96	7622.00	N 1616.95	E 15746.73	13.00	15829.53
T.D. & Target BHL...c 8	23434.89	90.00	89.96	7622.00	N 1617.02	E 15846.90	0.00	15929.18