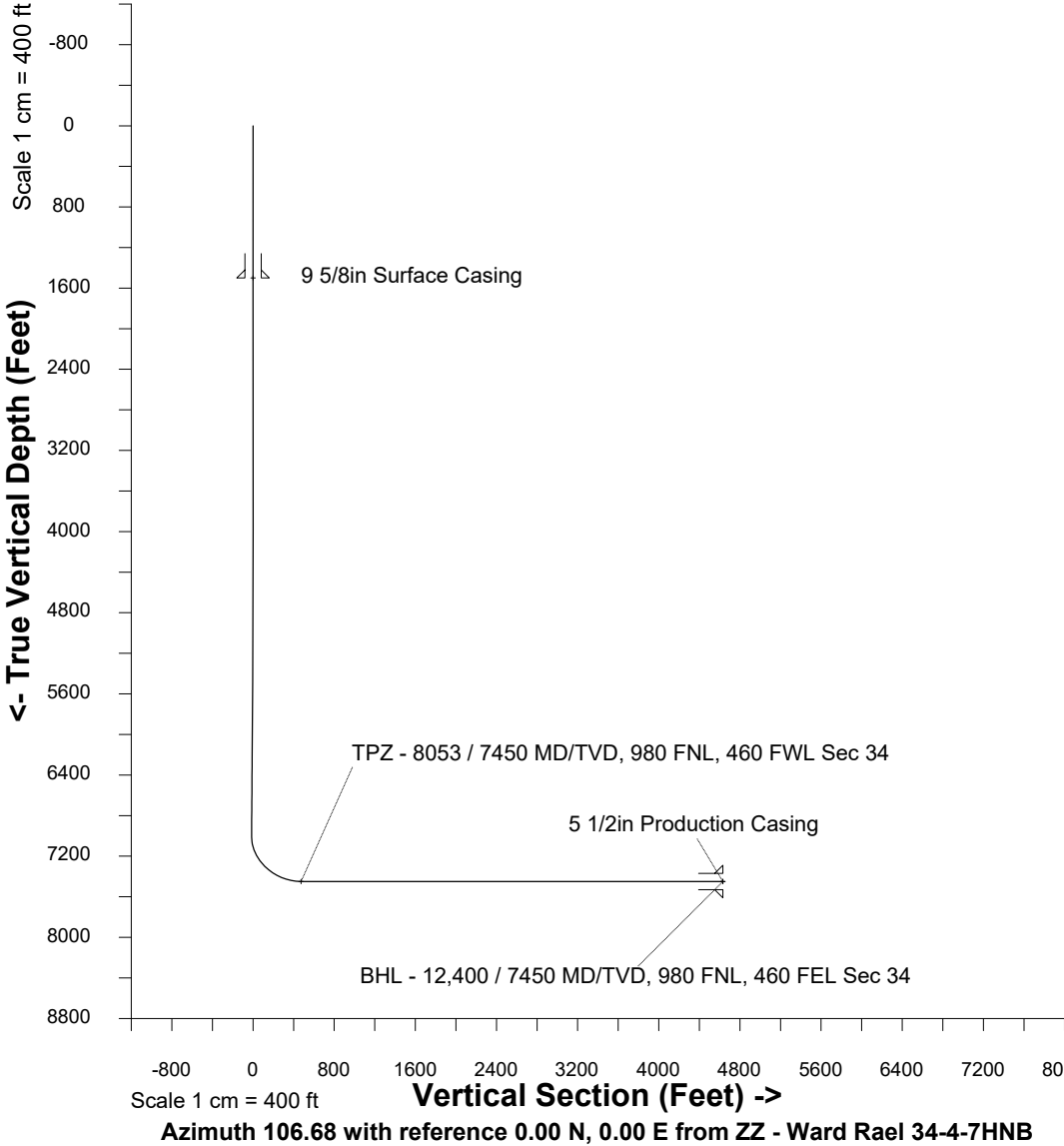


Jun-4-2018
EMM-2015 [2000.0-2020.0] Dip: 66.39 deg Field: 52077.9 nT
Lat: N40 0 56.2716 Long: W104 46 17.3136 Elev: 5116.00 ft
Magnetic North is 8.14 deg East of TRUE North
To correct azimuth from Magnetic to TRUE add 8.14 deg



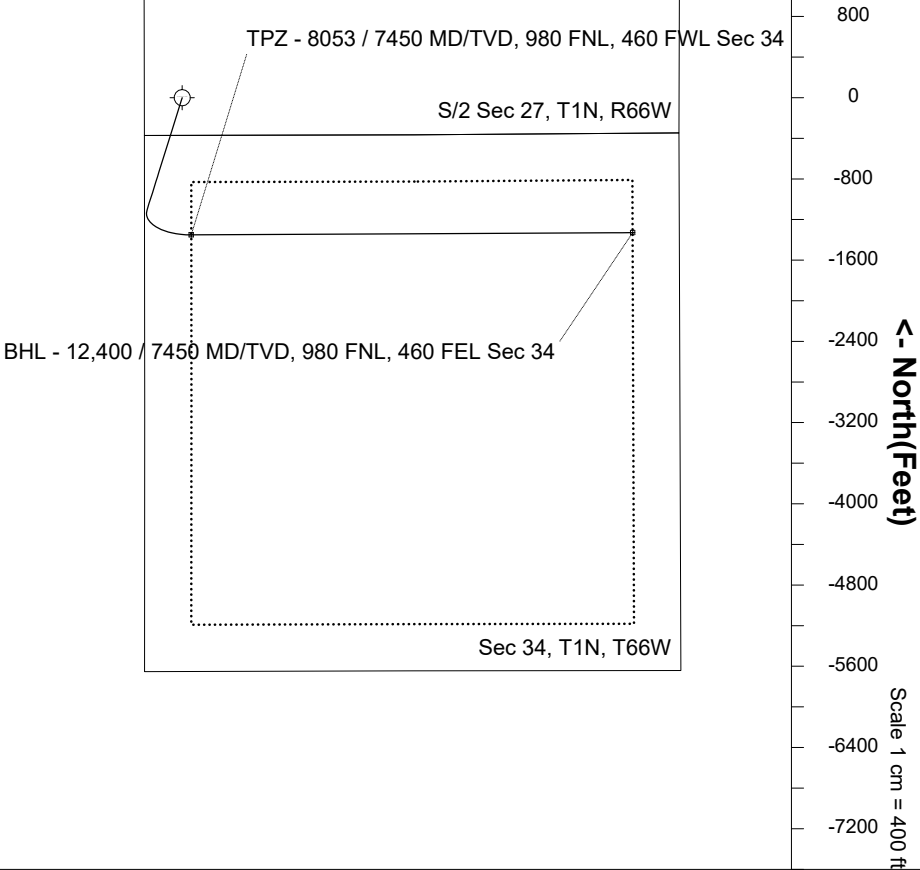
Great Western Operating Company, LLC			
Location	Colorado	Slot	ZZ - Ward Rael 34-4-7HNB
Field	Wattenburg	Well	Rael 34-4-7HNB
Installation	Rael	Wellbore	Rael 34-4-7HNB (PWB)

Created by	admin
Date plotted	28-Jun-2018
Plot reference is Rael 34-4-7HNB (PWB).	
Ref wellpath is Ward Rael 34-4-7HNB (PWP#1).	
Coordinates are in Feet reference ZZ - Ward Rael 34-4-7HNB.	
True Vertical Depths are reference Rig Datum.	
Measured Depths are reference Rig Datum.	
Rig Datum: Planned Datum #1	
Rig Datum to Mean Sea Level: 5136.00 ft.	
Plot North is aligned to TRUE North.	

Scale 1 cm = 400 ft

East (Feet) ->

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



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	4480.50	0.00	197.38	4480.50	S 0.00	W 0.00	0.00	0.00
End of Build	5480.48	30.00	197.38	5435.41	S 244.17	W 76.45	3.00	-3.16
End of Hold	7293.10	30.00	197.38	7005.20	S 1109.07	W 347.24	0.00	-14.35
Target TPZ - ...Sec 34	8052.59	90.00	89.71	7450.00	S 1351.51	E 89.64	13.00	473.73
T.D. & Target BHL... 34	12400.00	90.00	89.71	7450.00	S 1329.25	E 4436.99	0.00	4631.83