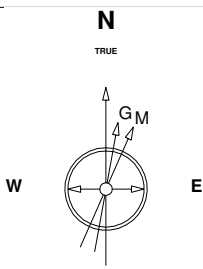


# Great Western Operating Company, LLC

Created by admin  
Date plotted 17-Jan-2018

**Location** Colorado **Slot** S10 - Tollway LC 24-378HN  
**Field** Wattenburg **Well** Tollway LC 24-378HN  
**Installation** Tollway **Wellbore** Tollway LC 24-378HN (PWB)

Plot reference is Tollway LC 24-378HN (PWB).  
 Ref wellpath is Tollway LC 24-378HN (PWP#1).  
 Coordinates are in Feet reference S10 - Tollway LC 24-378HN.  
 True Vertical Depths are reference Rig Datum.  
 Measured Depths are reference Rig Datum.  
 Rig Datum: Planned Datum #1  
 Rig Datum to Mean Sea Level: 5187.30 ft.  
 Plot North is aligned to TRUE North.

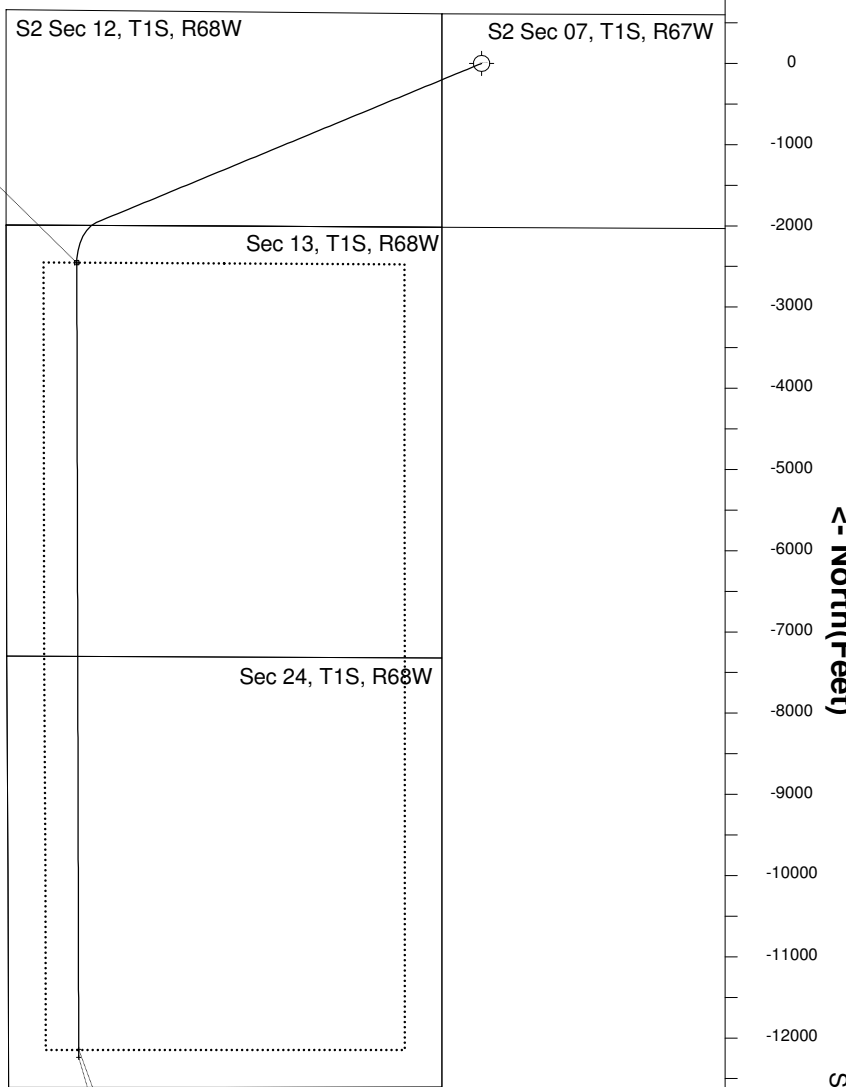
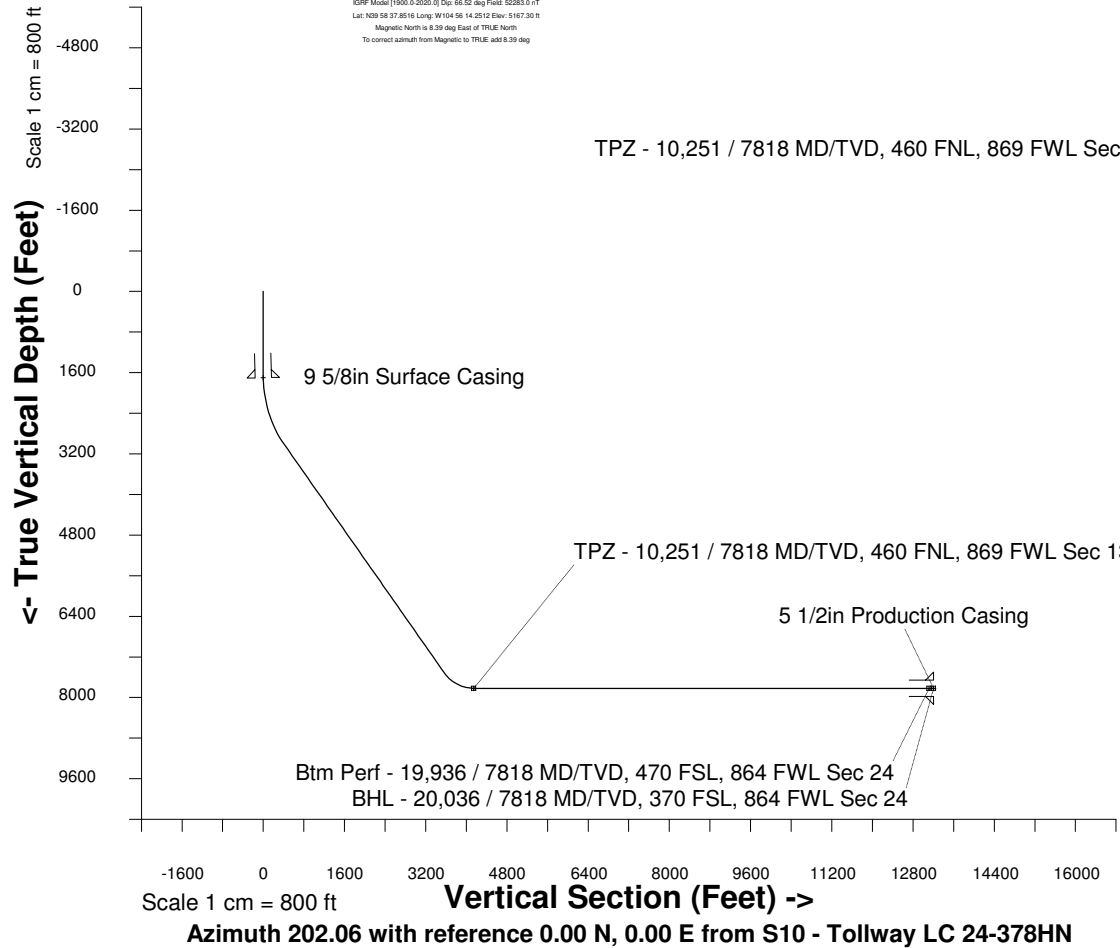


Scale 1 cm = 500 ft

East (Feet) ->

-10000 -9000 -8000 -7000 -6000 -5000 -4000 -3000 -2000 -1000 0 1000 2000 3000

20-Apr-2016  
 IGRF Model [1900.0-2020.0] Dip: 66.52 deg Field: 52283.0 nT  
 Lat: N09 58 37.85 W Long: W104 56 14.25 Elev: 5187.30 ft  
 Magnetic North is 8.39 deg East of TRUE North  
 To correct azimuth from Magnetic to TRUE, add 8.39 deg



## 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	1633.00	0.00	247.56	1633.00	S 0.00	W 0.00	0.00	-0.00
End of Build	3132.86	45.00	247.56	2983.38	S 213.46	W 516.95	9.84	392.01
End of Hold	9573.93	45.00	247.56	7538.23	S 1951.66	W 4726.39	0.00	3584.06
Target TPZ - ...Sec 13	10250.64	90.00	179.86	7818.00	S 2454.05	W 4984.00	36.09	4146.43
Target Btm Pe...Sec 24	19935.55	90.00	179.86	7818.00	S 12138.94	W 4960.70	0.00	13113.39
End of Turn	19935.65	90.00	179.85	7818.00	S 12139.04	W 4960.70	36.09	13113.48
T.D. & Target BHL... 24	20035.73	90.00	179.85	7818.00	S 12239.11	W 4960.44	0.00	13206.13

Btm Perf - 19,936 / 7818 MD/TVD, 470 FSL, 864 FWL Sec 24  
 BHL - 20,036 / 7818 MD/TVD, 370 FSL, 864 FWL Sec 24