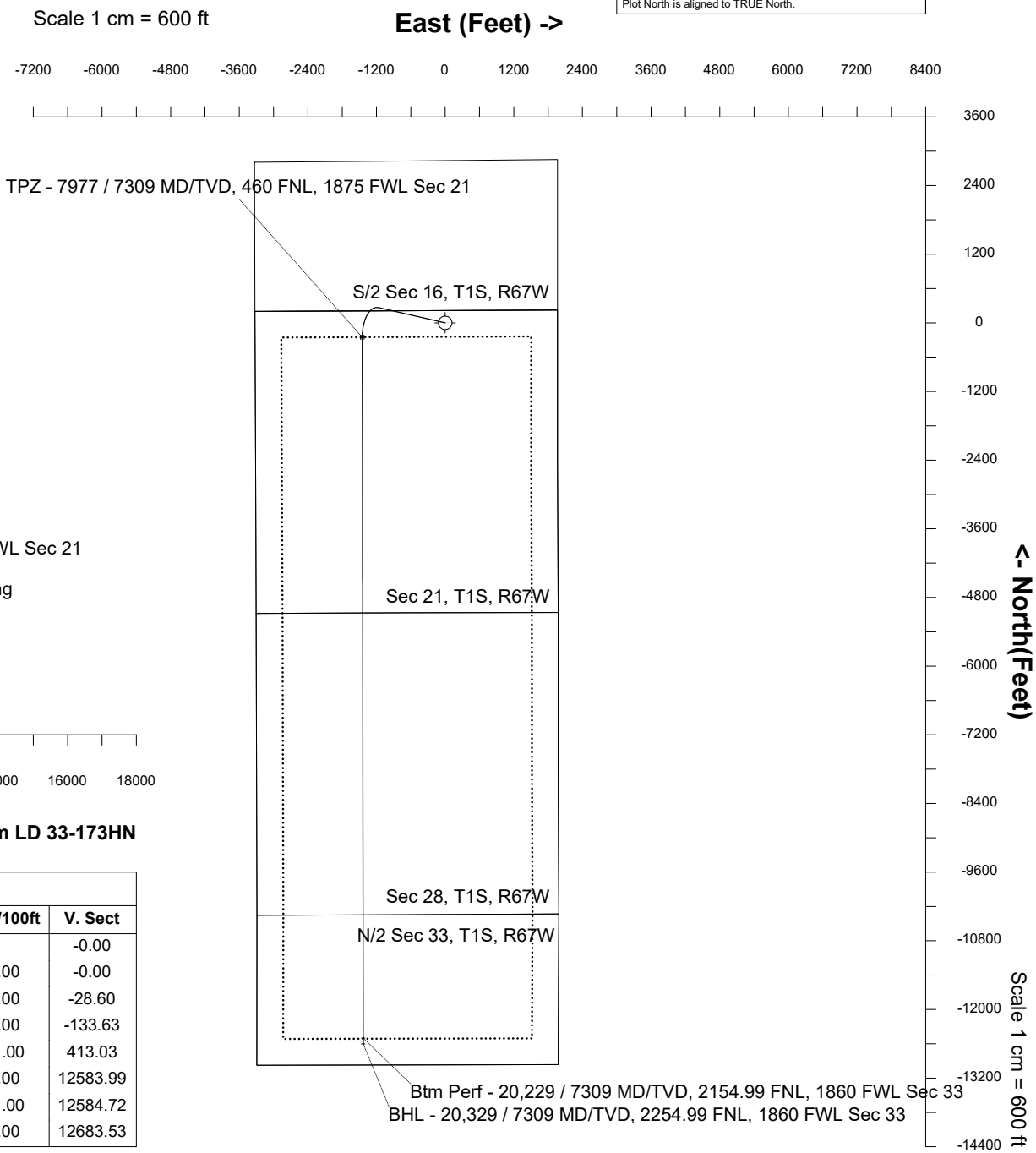
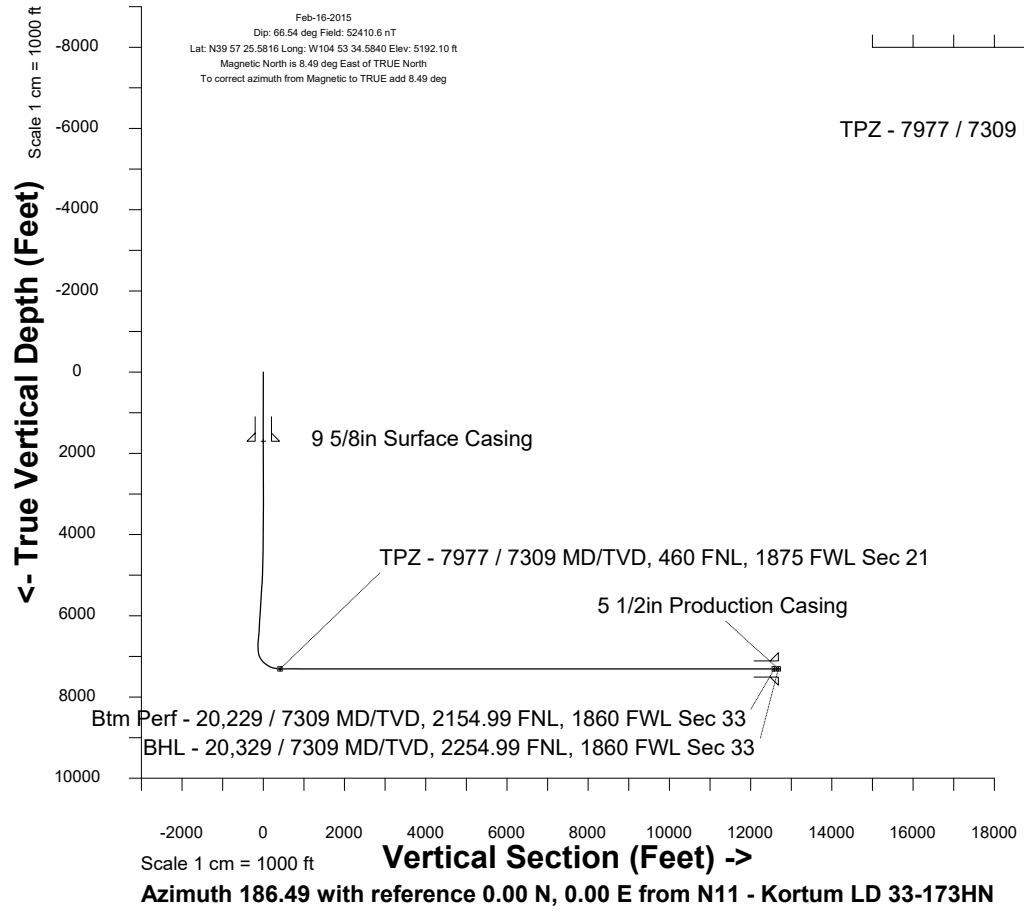
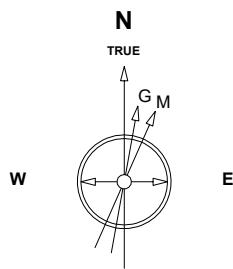


# Great Western Operating Company, LLC

**Location** Colorado      **Slot** N11 - Kortum LD 33-173HN  
**Field** Wattenburg      **Well** Kortum LD 33-173HN  
**Installation** Kortum      **Wellbore** Kortum LD 33-173HN (PWB)

Created by admin  
 Date plotted 24-Aug-2018  
 Plot reference is Kortum LD 33-173HN (PWB).  
 Ref wellpath is Kortum LD 33-173HN (PWP#1).  
 Coordinates are in Feet reference N11 - Kortum LD 33-173HN.  
 True Vertical Depths are reference Rig Datum.  
 Measured Depths are reference Rig Datum.  
 Rig Datum: Planned Datum #1  
 Rig Datum to Mean Sea Level: 5211.70 ft.  
 Plot North is aligned to TRUE North.



## 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	4221.00	0.00	282.90	4221.00	S 0.00	W 0.00	0.00	-0.00
End of Build	5221.17	30.00	282.90	5176.07	N 57.15	W 249.49	3.00	-28.60
End of Hold	7100.66	30.00	282.90	6803.68	N 267.01	W 1165.66	0.00	-133.63
Target TPZ - ...Sec 21	7977.47	90.00	179.92	7308.60	S 250.95	W 1449.09	11.00	413.03
Target Btm Pe...Sec 33	20228.70	90.00	179.92	7308.60	S 12502.17	W 1432.69	0.00	12583.99
End of Turn	20229.43	90.00	180.00	7308.60	S 12502.90	W 1432.69	11.00	12584.72
T.D. & Target BHL... 33	20328.88	90.00	180.00	7308.60	S 12602.35	W 1432.70	0.00	12683.53