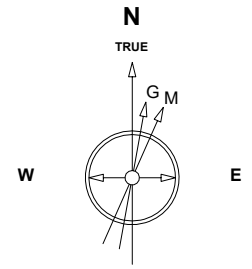
Great Western Operating Company, LLC

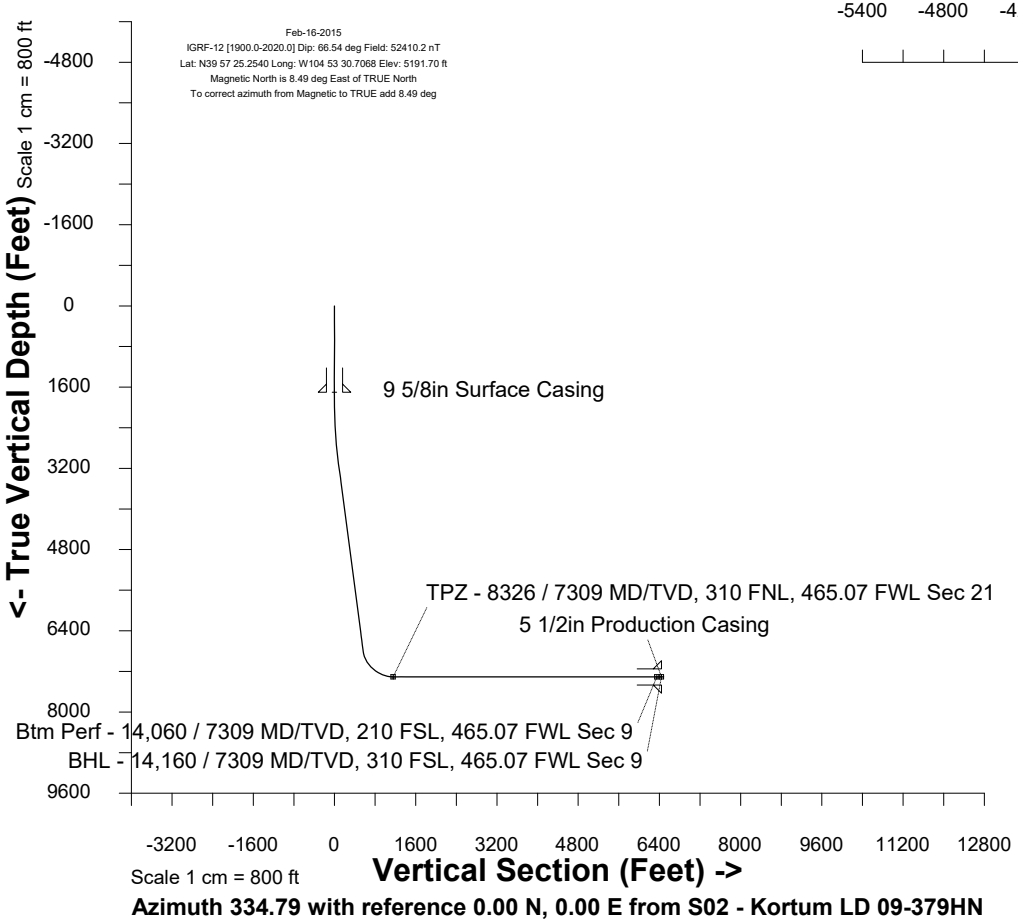
Location	**Colorado**	**Slot**	**S02 - Kortum LD 09-379HN**
Field	**Wattenburg**	**Well**	**Kortum LD 09-379HN**
Installation	**Kortum**	**Wellbore**	**Kortum LD 09-379HN (PWB)**

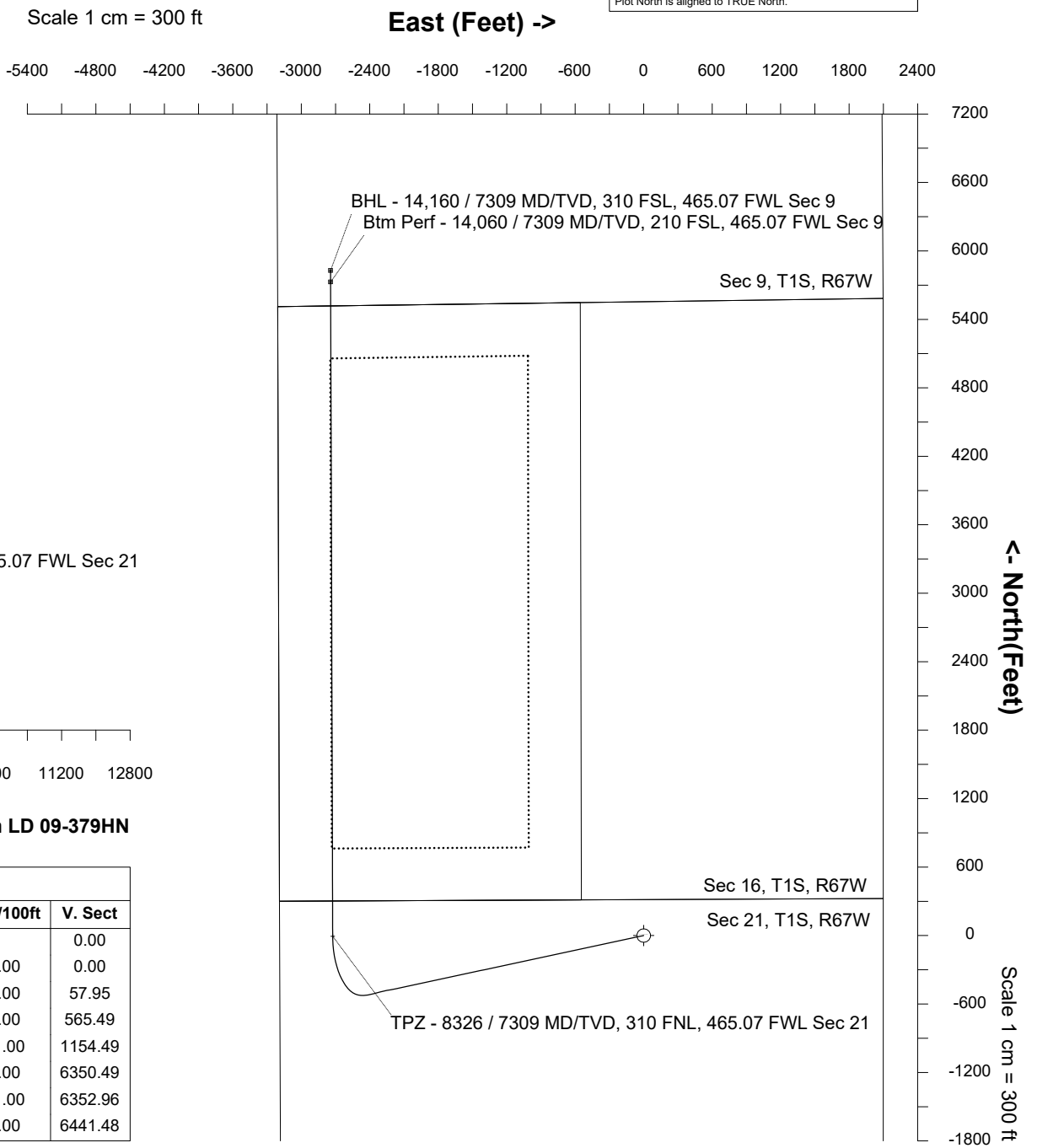
Created by mmount
Date plotted 14-Mar-2020

Plot reference is Kortum LD 09-379HN (PWB).
Ref wellpath is Kortum LD 09-379HN (PWP#1).
Coordinates are in Feet reference S02 - Kortum LD 09-379HN.
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.



Feb-16-2015
IGRF-12 [1900.0-2020.0] Dip: 66.54 deg Field: 52410.2 nT
Lat: N39 57 25.2540 Long: W104 53 30.7068 Elev: 5191.70 ft
Magnetic North is 8.49 deg East of TRUE North
To correct azimuth from Magnetic to TRUE add 8.49 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	1972.00	0.00	257.88	1972.00	S 0.00	W 0.00	0.00	0.00
End of Build	2971.84	30.00	257.88	2926.79	S 53.69	W 250.10	3.00	57.95
End of Hold	7453.45	30.00	257.88	6808.16	S 523.97	W 2440.67	0.00	565.49
Target TPZ - ...Sec 21	8325.59	90.00	359.82	7308.60	S 6.77	W 2724.91	11.00	1154.49
Target Btm Pe... Sec 9	14060.18	90.00	359.82	7308.60	N 5727.79	W 2742.78	0.00	6350.49
End of Turn	14062.91	90.00	359.52	7308.60	N 5730.52	W 2742.79	11.00	6352.96
T.D. & Target BHL...c 9	14160.36	90.00	359.52	7308.60	N 5827.97	W 2743.61	0.00	6441.48