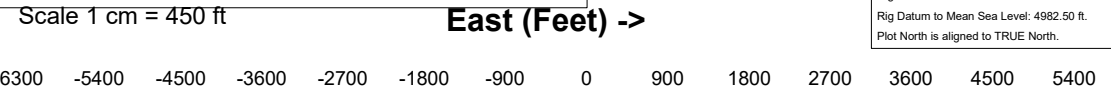


Great Western Operating Company, LLC

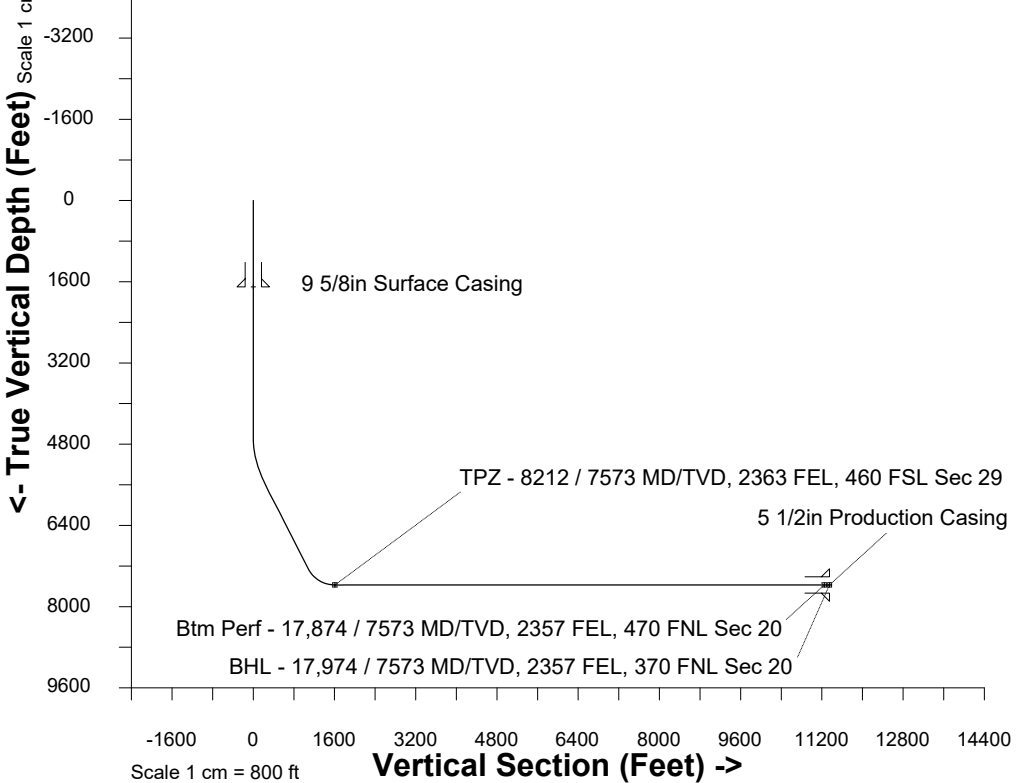
Location Colorado **Slot** Slot S14 - Dittmer KE 20-032HC
Field Wattenburg **Well** Dittmer KE 20-032HC
Installation Dittmer **Wellbore** Dittmer KE 20-032HC (PWB)

Created by admin
 Date plotted 7-Mar-2018
 Plot reference is Dittmer KE 20-032HC (PWB).
 Ref wellpath is Dittmer KE 29-032HC (PWP#1).
 Coordinates are in Feet reference Slot S14 - Dittmer KE 20-032HC.
 True Vertical Depths are reference Rig Datum.
 Measured Depths are reference Rig Datum.
 Rig Datum: Planned Datum #1
 Rig Datum to Mean Sea Level: 4982.50 ft.
 Plot North is aligned to TRUE North.

N
TRUE



Jun-3-2015
 IGRF Model [1900.0-2020.0] Dip: 66.59 deg Field: 52417.9 nT
 Lat: N40 0 43.8804 Long: W104 48 11.5416 Elev: 4966.30 ft
 Magnetic North is 8.41 deg East of TRUE North
 To correct azimuth from Magnetic to TRUE add 8.41 deg

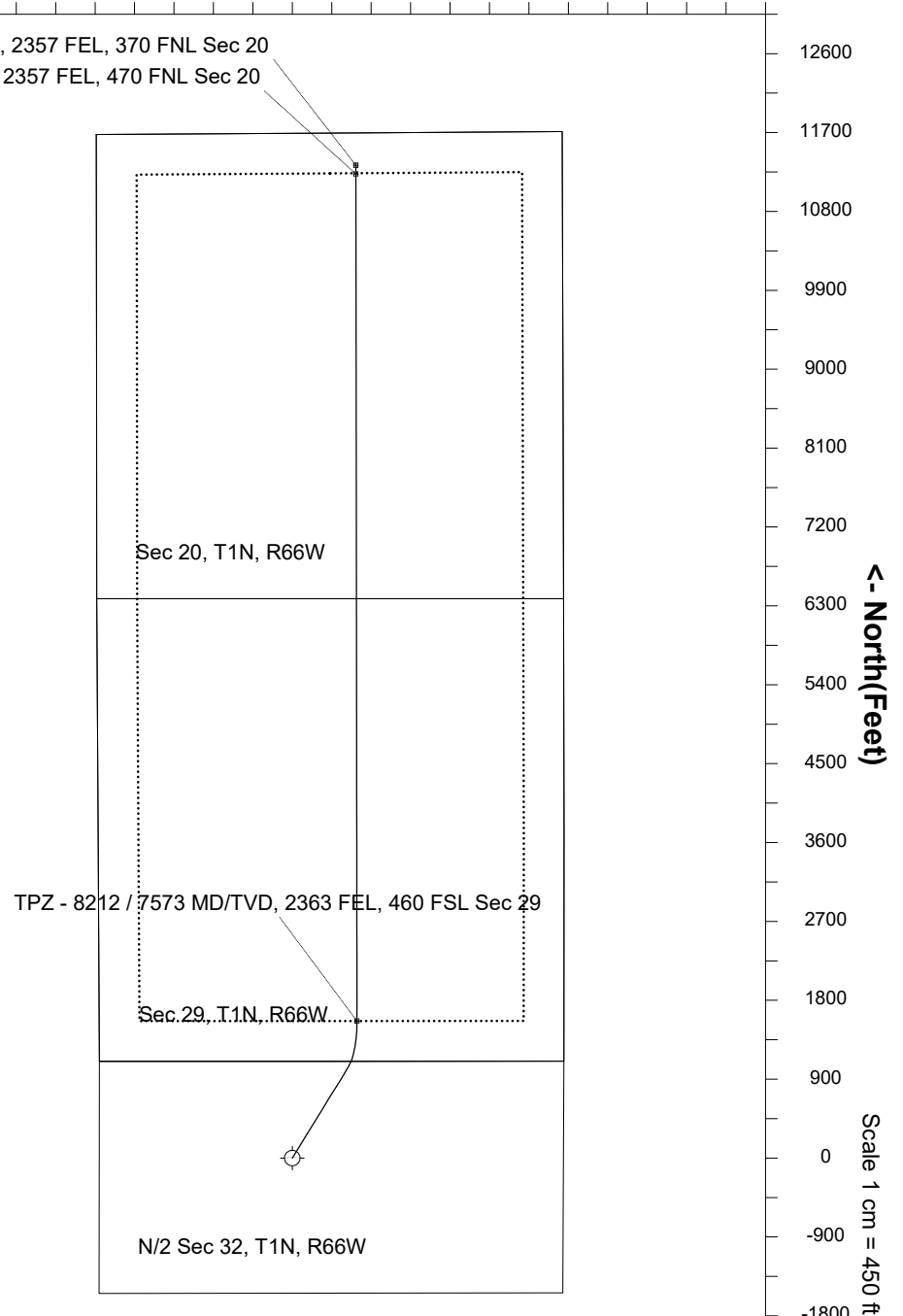


Azimuth 3.66 with reference 0.00 N, 0.00 E from Slot S14 - Dittmer KE 20-032HC

WELL PROFILE DATA

Point	MD	Inc	Azi	TVD	North	East	deg/100ft	V. Sect
Tie on	16.20	0.00	0.00	16.20	S 0.00	W 0.00		0.00
KOP	4621.00	0.00	31.62	4621.00	S 0.00	W 0.00	0.00	0.00
End of Build	5621.09	30.00	31.62	5576.01	N 217.91	E 134.19	3.00	226.04
End of Hold	7563.32	30.00	31.62	7257.98	N 1044.89	E 643.43	0.00	1083.87
Target TPZ - ...Sec 29	8211.53	90.00	359.93	7573.00	N 1563.53	E 738.34	10.00	1607.52
Target Btm Pe...Sec 20	17874.29	90.00	359.93	7573.00	N 11226.28	E 725.73	0.00	11249.71
End of Turn	17876.80	90.00	359.67	7573.00	N 11228.79	E 725.72	10.00	11252.22
T.D. & Target BHL... 20	17974.11	90.00	359.67	7573.00	N 11326.09	E 725.17	0.00	11349.29

BHL - 17,974 / 7573 MD/TVD, 2357 FEL, 370 FNL Sec 20
 Btm Perf - 17,874 / 7573 MD/TVD, 2357 FEL, 470 FNL Sec 20



<- North(Feet)

Scale 1 cm = 450 ft