

N
TRUE

Great Western Operating Company, LLC

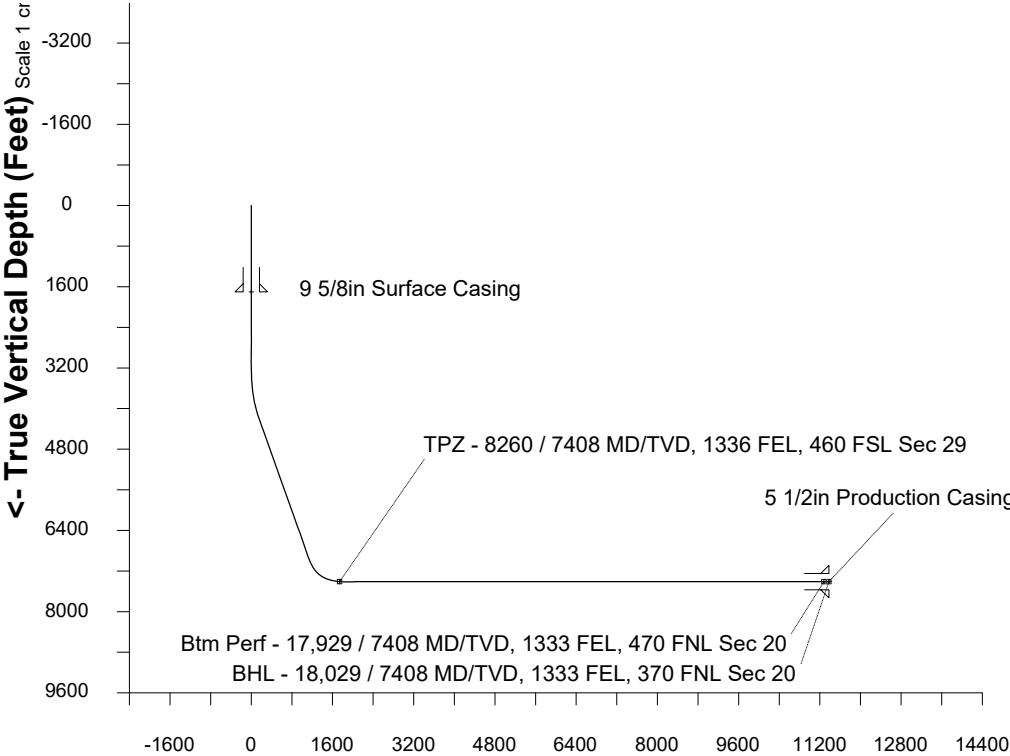
Location Colorado
Field Wattenburg
Installation Dittmer
Slot Slot N09 - Dittmer KE 20-035HN
Well Dittmer KE 20-035HN
Wellbore Dittmer KE 20-035HN (PWB)

Created by admin
Date plotted 7-Mar-2018
Plot reference is Dittmer KE 20-035HN (PWB).
Ref wellpath is Dittmer KE 29-035HN (PWP#1).
Coordinates are in Feet reference Slot N09 - Dittmer KE 20-035HN.
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.

Scale 1 cm = 450 ft
East (Feet) ->

-6300 -5400 -4500 -3600 -2700 -1800 -900 0 900 1800 2700 3600 4500 5400

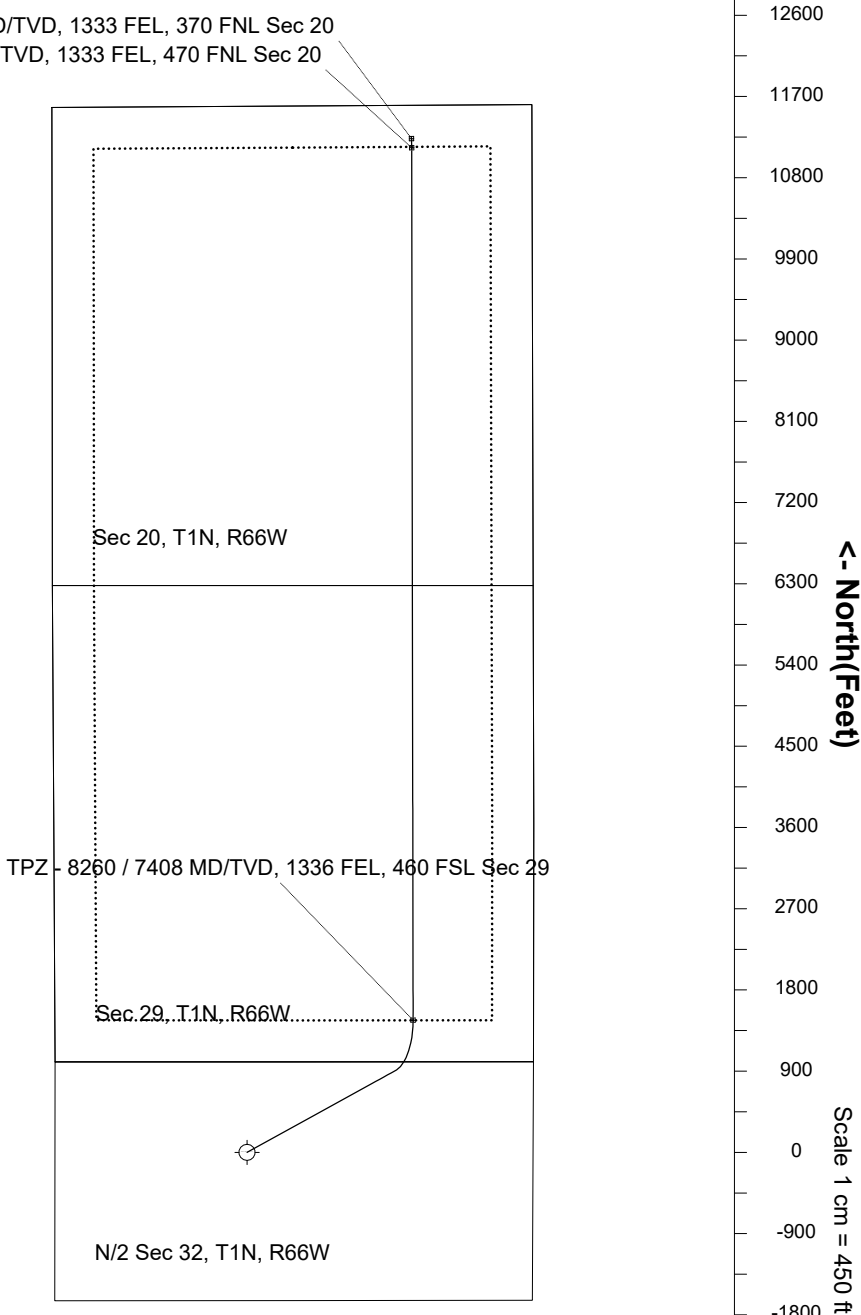
Jun-3-2015
IGRF Model [1900.0-2020.0] Dip: 66.59 deg Field: 52417.9 nT
Lat: N40 0 43.8804 Long: W104 48 11.5416 Elev: 4966.30 ft
Magnetic North is 8.41 deg East of TRUE North
To correct azimuth from Magnetic to TRUE add 8.41 deg



Scale 1 cm = 800 ft
Vertical Section (Feet) ->
Azimuth 9.22 with reference 0.00 N, 0.00 E from Slot N09 - Dittmer KE 20-035HN

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	3255.00	0.00	61.13	3255.00	S 0.00	W 0.00	0.00	0.00
End of Build	4255.03	30.00	61.13	4209.96	N 123.56	E 224.08	3.00	157.88
End of Hold	7499.63	30.00	61.13	7019.83	N 906.97	E 1644.74	0.00	1158.82
Target TPZ - ...Sec 29	8260.35	90.00	359.90	7408.00	N 1463.41	E 1840.24	10.00	1739.40
Target Btm Pe...Sec 20	17928.93	90.00	359.90	7408.00	N 11131.99	E 1823.84	0.00	11280.39
End of Turn	17929.61	90.00	359.84	7408.00	N 11132.66	E 1823.84	10.00	11281.06
T.D. & Target BHL... 20	18029.11	90.00	359.84	7408.00	N 11232.17	E 1823.56	0.00	11379.23



<- North(Feet)

Scale 1 cm = 450 ft