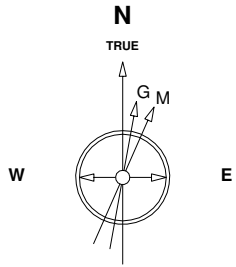


Great Western Operating Company, LLC

Created by admin
Date plotted 18-May-2016

Plot reference is Marcus LD 11-361HN (PWB).
Ref wellpath is Marcus LD 11-361HN (PWP#1).
Coordinates are in Feet reference Slot E12 - Marcus LD 11-361HN.
True Vertical Depths are reference Rig Datum.
Measured Depths are reference Rig Datum.
Rig Datum: Planned Datum #1
Rig Datum to Mean Sea Level: 5058.20 ft.
Plot North is aligned to TRUE North.

Location Colorado
Field Wattenburg
Installation Marcus
Slot Slot E12 - Marcus LD 11-361HN
Well Marcus LD 11-361HN
Wellbore Marcus LD 11-361HN (PWB)

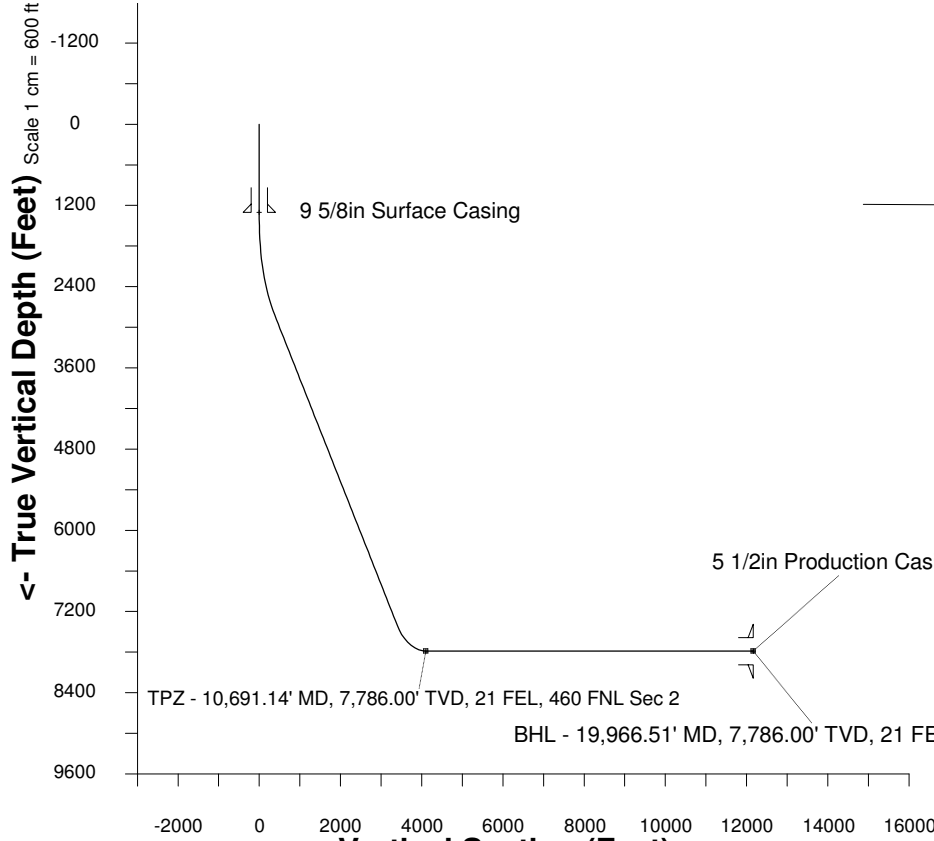


Scale 1 cm = 400 ft

East (Feet) ->

-2400 -1600 -800 0 800 1600 2400 3200 4000 4800 5600 6400 7200 8000

13-Dec-2014
IGRF Model [1900.0-2020.0] Dip: 66.58 deg Field: 52459.7 nT
Lat: N40 0 11.6388 Long: W104 52 6.9096 Elev: 5042.00 ft
Magnetic North is 8.50 deg East of TRUE North
To correct azimuth from Magnetic to TRUE add 8.50 deg



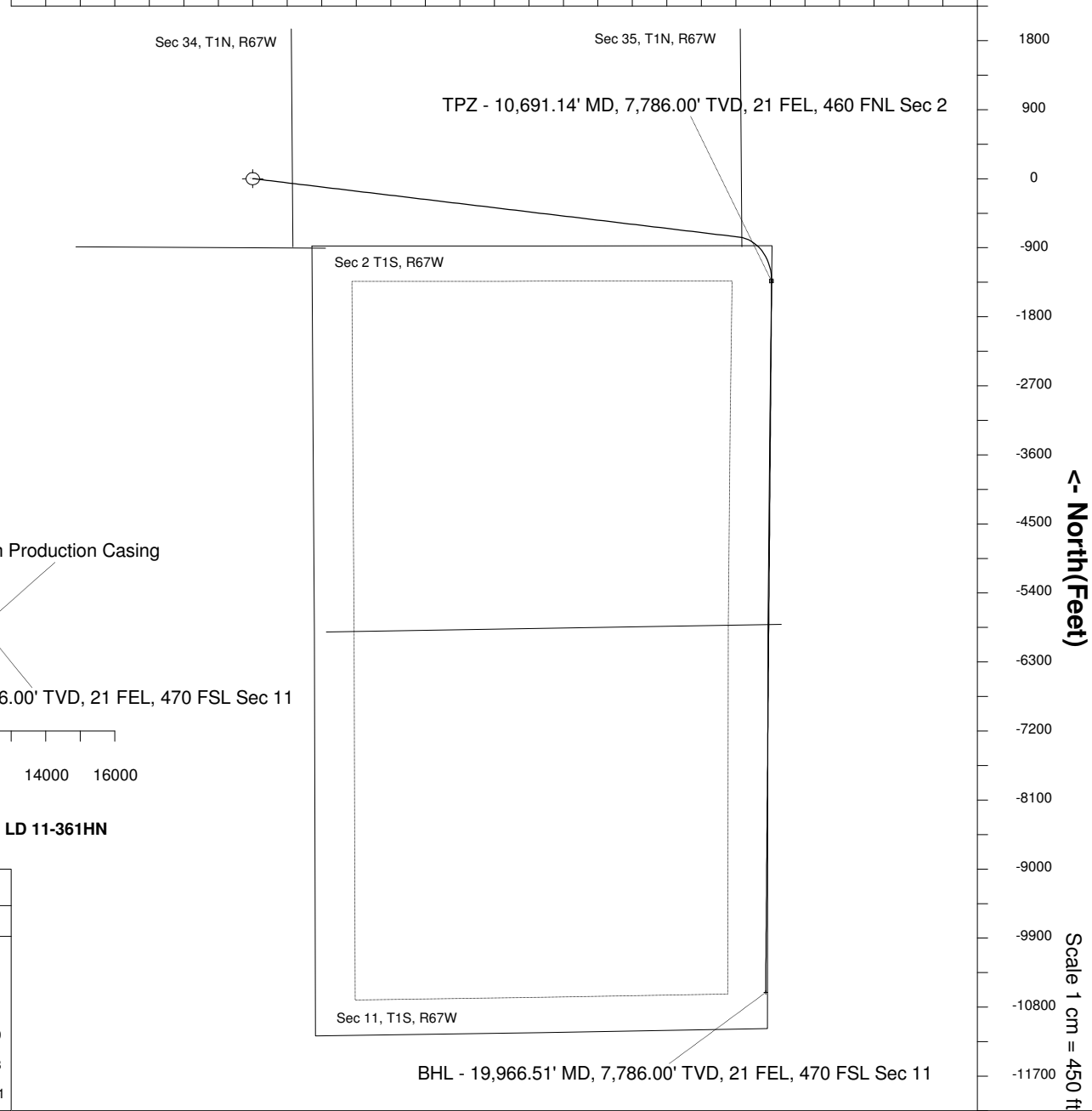
Scale 1 cm = 1000 ft

Vertical Section (Feet) ->

Azimuth 150.73 with reference 0.00 N, 0.00 E from Slot E12 - Marcus LD 11-361HN

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	1400.00	0.00	97.69	1400.00	S 0.00	W 0.00	0.00	0.00
End of Build	2986.86	47.61	97.69	2810.48	S 83.23	E 616.59	9.84	374.03
End of Hold	9844.71	47.61	97.69	7434.23	S 760.74	E 5635.76	0.00	3418.69
Target TPZ - ... Sec 2	10691.14	90.00	180.42	7786.00	S 1334.01	E 6013.75	32.81	4103.58
T.D. & Target BHL... 11	19966.51	90.00	180.42	7786.00	S 10609.12	E 5945.08	0.00	12161.31



<- North (Feet)

Scale 1 cm = 450 ft