

Great Western Operating Company, LLC

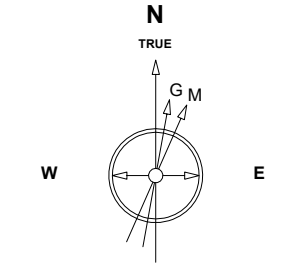
Location Colorado
Field Wattenburg
Installation Seltzer
Slot Slot E11 - Seltzer LD 21-033HN
Well Seltzer LD 21-033HN
Wellbore Seltzer LD 21-033HN (PWB)

Scale 1 cm = 400 ft

East (Feet) ->

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

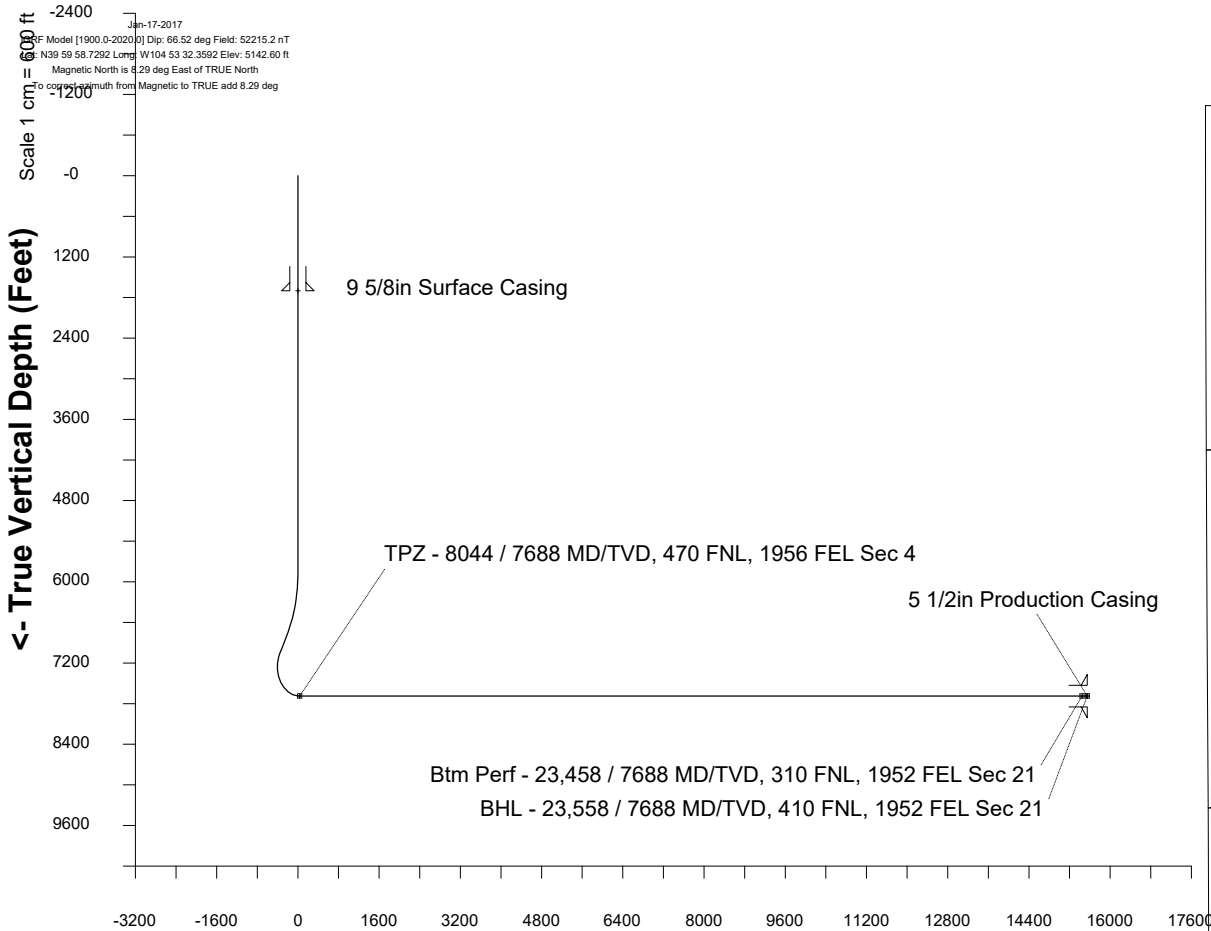
Created by	admin
Date plotted	30-Apr-2018
Plot reference is Seltzer LD 21-033HN (PWB).	
Ref wellpath is Seltzer LD 21-033HN (PWP#1).	
Coordinates are in Feet reference Slot E11 - Seltzer LD 21-033HN.	
True Vertical Depths are reference Rig Datum.	
Measured Depths are reference Rig Datum.	
Rig Datum: Planned Datum #1	
Rig Datum to Mean Sea Level: 5162.60 ft.	
Plot North is aligned to TRUE North.	



Jan-17-2017
GDF Model [1900.0-2020.0] Dip: 66.52 deg Field: 52215.2 nT
N39 59 58.7292 Long W104 53 32.3592 Elev: 5142.60 ft
Magnetic North is 8.29 deg East of TRUE North
To convert azimuth from Magnetic to TRUE add 8.29 deg

Scale 1 cm = 600 ft

<- True Vertical Depth (Feet)



Scale 1 cm = 800 ft

Vertical Section (Feet) ->

Azimuth 178.82 with reference 0.00 N, 0.00 E from Slot E11 - Seltzer LD 21-033HN

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	5872.10	0.00	22.90	5872.10	S 0.00	W 0.00	0.00	0.00
End of Build	6872.18	30.00	22.90	6827.09	N 235.74	E 99.58	3.00	-233.65
End of Hold	7141.30	30.00	22.90	7060.16	N 359.71	E 151.94	0.00	-356.51
Target TPZ - ... Sec 4	8044.43	90.00	179.91	7688.00	S 31.33	E 294.18	13.00	37.36
Target Btm Pe...Sec 21	23457.76	90.00	179.91	7688.00	S 15444.64	E 319.31	0.00	15447.94
End of Turn	23458.47	90.00	180.00	7688.00	S 15445.35	E 319.31	13.00	15448.65
T.D. & Target BHL... 21	23557.94	90.00	180.00	7688.00	S 15544.81	E 319.31	0.00	15548.09

TPZ - 8044 / 7688 MD/TVD, 470 FNL, 1956 FEL Sec 4

Sec 4, T1S, R67W

Sec 9, T1S, R67W

Sec 16, T1S, R67W

Btm Perf - 23,458 / 7688 MD/TVD, 310 FNL, 1952 FEL Sec 21

BHL - 23,558 / 7688 MD/TVD, 410 FNL, 1952 FEL Sec 21

Sec 21, T1S, R67W

<- North(Feet)

Scale 1 cm = 600 ft