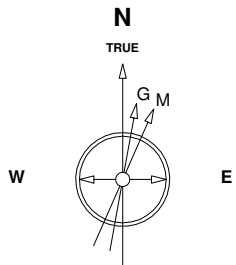


Great Western Operating Company, LLC

Location Colorado
Field Wattenburg
Installation B-Farm
Slot E-18 - B-Farm LD 18-389HN
Well B-Farm LD 18-389HN
Wellbore B-Farm LD 18-389HN (PWB)

Created by admin
Date plotted 28-Nov-2016

Plot reference is B-Farm LD 18-389HN (PWB).
Ref wellpath is B-Farm LD 18-389HN (PWP#1).
Coordinates are in Feet reference E-18 - B-Farm LD 18-389HN.
True Vertical Depths are reference Rig Datum.
Measured Depths are reference Rig Datum.
Rig Datum: Planned Datum #1
Rig Datum to Mean Sea Level: 20.00 ft.
Plot North is aligned to TRUE North.



Scale 1 cm = 300 ft

East (Feet) ->

-3600 -3000 -2400 -1800 -1200 -600 0 600 1200 1800 2400 3000 3600 4200

2400

TPZ - 8189 / 7673 MD/TVD, 460 FNL, 2317 FWL Sec 7

1600

Sec 7 T1S, R67W

800

Surface 0.00 N 0.00 E

0

-800

-1600

-2400

-3200

-4000

-4800

-5600

-6400

-7200

-8000

-8800

-9600

-10400

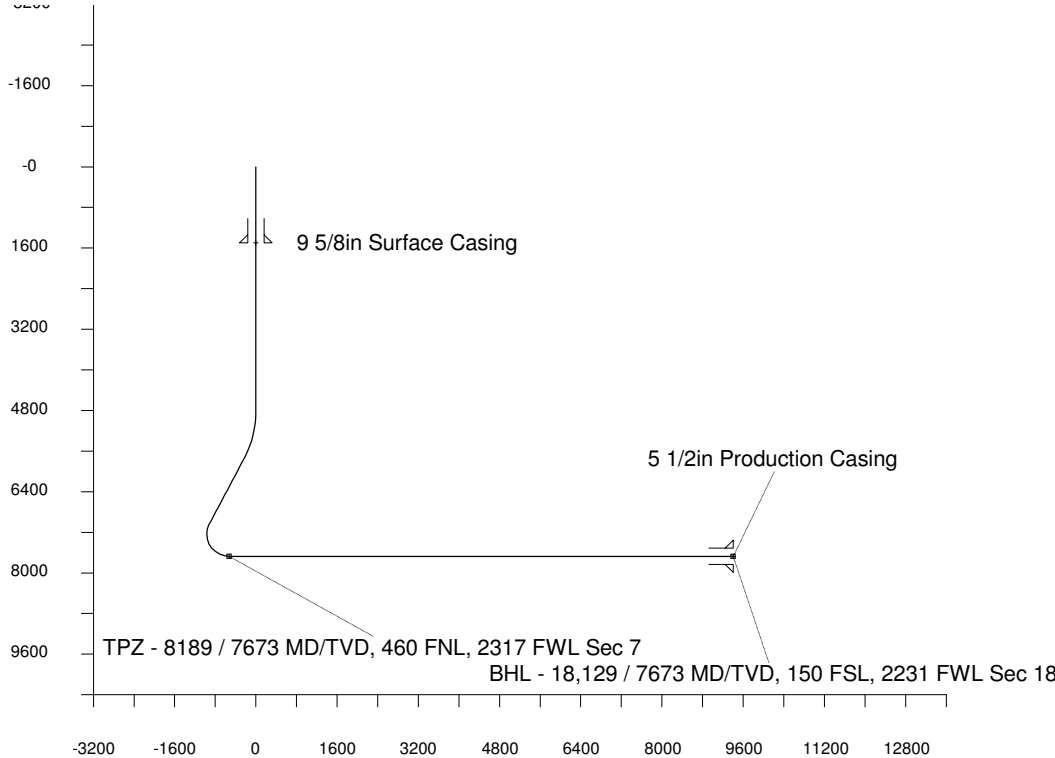
<- North(Feet)

Scale 1 cm = 400 ft

8-Sep-2016
IGRF Model [1900.0-2020.0] Dip: 66.51 deg Field: 52284.8 nT
Lat: N39 59 3.0300 Long: W104 56 2.5008 Elev: 0.00 ft
Magnetic North is 8.35 deg East of TRUE North
To correct azimuth from Magnetic to TRUE add 8.35 deg

<- True Vertical Depth (Feet)

Scale 1 cm



Vertical Section (Feet) ->

Azimuth 177.69 with reference 0.00 N, 0.00 E from E-18 - B-Farm LD 18-389HN

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	4798.00	0.00	20.79	4798.00	S 0.00	W 0.00	0.00	0.00
End of Build	5798.05	30.00	20.79	5752.97	N 239.23	E 90.85	9.84	-235.37
End of Hold	7281.92	30.00	20.79	7038.02	N 932.87	E 354.25	0.00	-917.80
Target TPZ - ... Sec 7	8189.46	90.00	180.56	7673.00	N 542.43	E 477.22	42.65	-522.71
T.D. & Target BHL... 18	18128.73	90.00	180.56	7673.00	S 9396.37	E 379.86	0.00	9404.05

BHL - 18,129 / 7673 MD/TVD, 150 FSL, 2231 FWL Sec 18

Sec 18, T1S, R67W