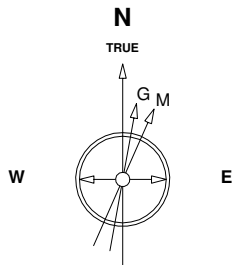


Great Western Operating Company, LLC

Location Colorado
Field Wattenburg
Installation Simpson
Slot South 09 - Simpson FD 16-302HN
Well Simpson FD 16-302HN
Wellbore Simpson FD 16-302HN (PWB)

Created by admin
Date plotted 29-Sep-2016

Plot reference is Simpson FD 16-302HN (PWB).
Ref wellpath is Simpson FD 16-302HN (PWP#1).
Coordinates are in Feet reference South 09 - Simpson FD 16-302HN.
True Vertical Depths are reference Rig Datum.
Measured Depths are reference Rig Datum.
Rig Datum: Planned Datum #1
Rig Datum to Mean Sea Level: 4827.00 ft.
Plot North is aligned to TRUE North.



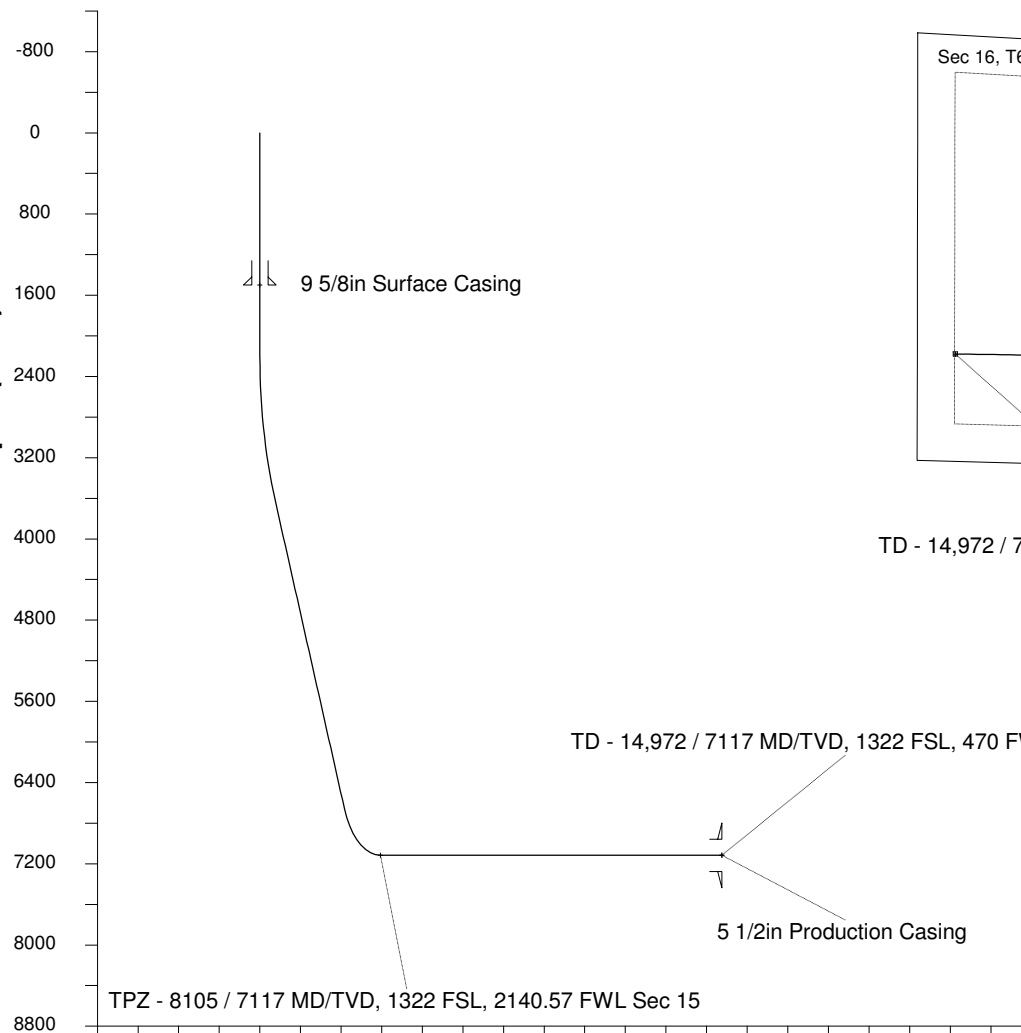
6-Apr-2015
IGRF Model [1900.0-2020.0] Dip: 66.96 deg Field: 52679.1 nT
Lat: N40 29 18.9312 Long: W104 52 27.4404 Elev: 4810.80 ft
Magnetic North is 8.51 deg East of TRUE North
To correct azimuth from Magnetic to TRUE add 8.51 deg

Scale 1 cm = 500 ft

East (Feet) ->

-11000 -10000 -9000 -8000 -7000 -6000 -5000 -4000 -3000 -2000 -1000 0 1000 2000

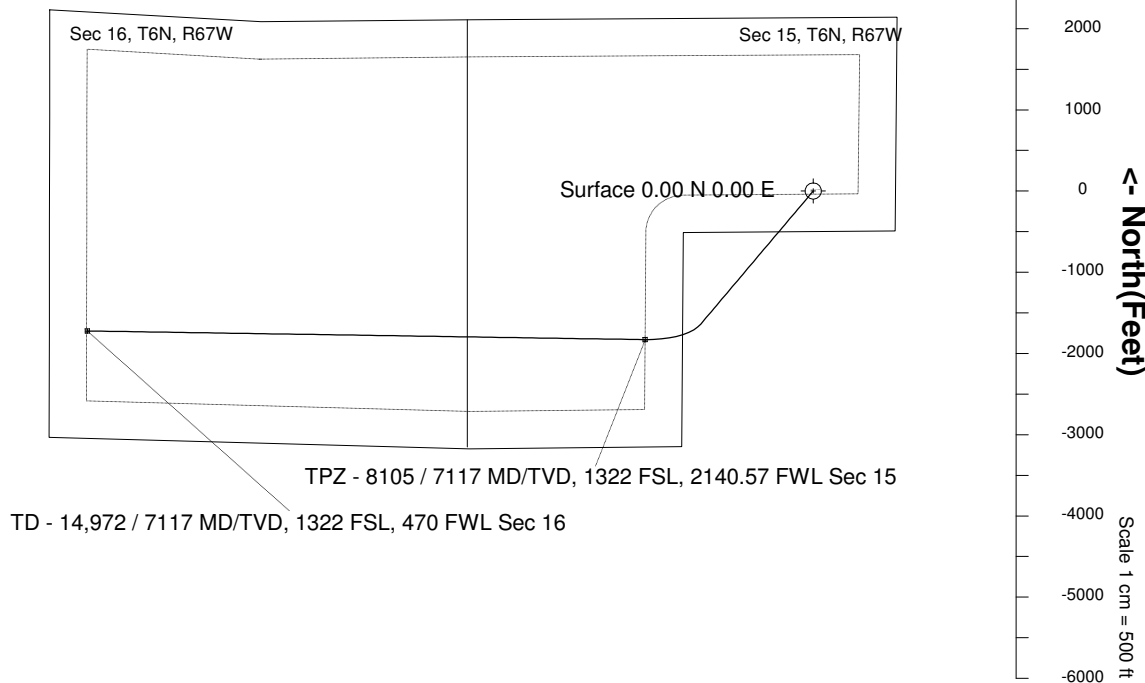
Scale 1 cm = 400 ft
True Vertical Depth (Feet)



Scale 1 cm = 800 ft

Vertical Section (Feet) ->

Azimuth 259.09 with reference 0.00 N, 0.00 E from South 09 - Simpson FD 16-302HN



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	2182.00	0.00	220.20	2182.00	S 0.00	W 0.00	0.00	-0.00
End of Build	3681.78	30.00	220.20	3614.20	S 293.08	W 247.64	6.56	298.65
End of Hold	7210.34	30.00	220.20	6670.16	S 1640.52	W 1386.18	0.00	1671.67
Target TPZ - ...Sec 15	8104.55	90.00	270.89	7117.00	S 1829.52	W 2068.53	26.25	2377.47
T.D. & Target TD ... 16	14972.46	90.00	270.89	7117.00	S 1722.70	W 8935.61	0.00	9100.15