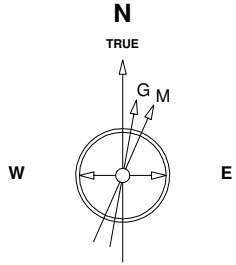


Great Western Operating Company, LLC

Location Colorado
Field Wattenburg
Installation Ottesen
Slot Slot S22 - Ottesen LE 06-031HC
Well Ottesen LE 06-031HC
Wellbore Ottesen LE 06-031HC (PWB)

Created by admin
Date plotted 14-Oct-2016

Plot reference is Ottesen LE 06-031HC (PWB).
Ref wellpath is Ottesen LE 06-031HC (PWP#1).
Coordinates are in Feet reference Slot S22 - Ottesen LE 06-031HC.
True Vertical Depths are reference Rig Datum.
Measured Depths are reference Rig Datum.
Rig Datum: Planned Datum #1
Rig Datum to Mean Sea Level: 5093.60 ft.
Plot North is aligned to TRUE North.

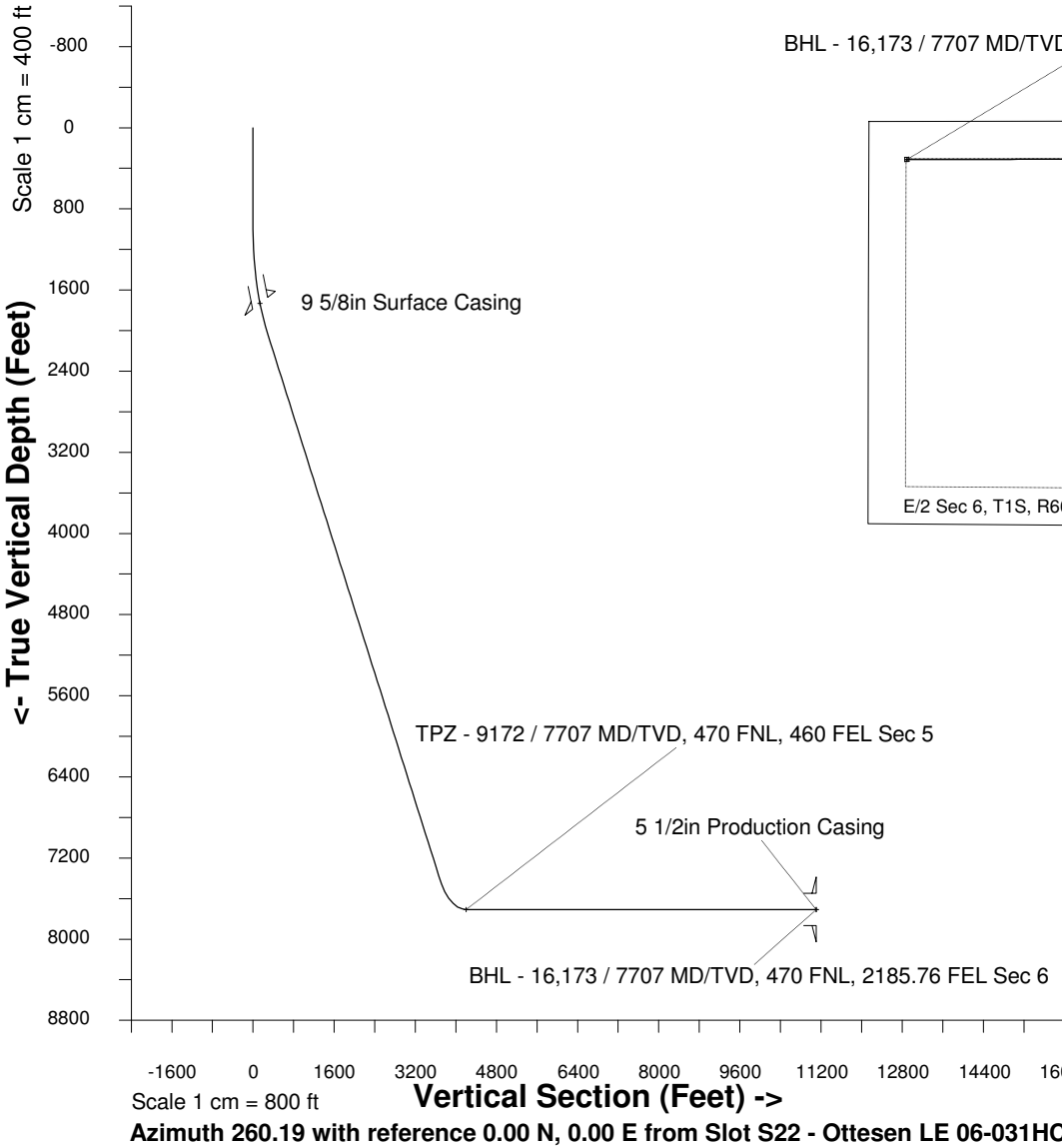


8-Aug-2016
IGRF Model [1900.0-2020.0] Dip: 66.56 deg Field: 52280.9 nT
Lat: N40 0 16.5600 Long: W104 46 43.1184 Elev: 5073.60 ft
Magnetic North is 8.28 deg East of TRUE North
To correct azimuth from Magnetic to TRUE add 8.28 deg

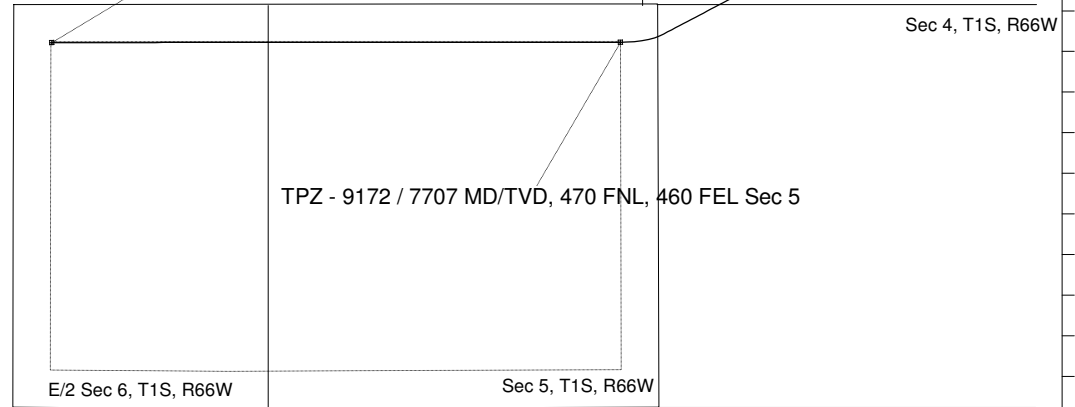
Scale 1 cm = 500 ft

East (Feet) ->

-12000 -11000 -10000 -9000 -8000 -7000 -6000 -5000 -4000 -3000 -2000 -1000 0 1000



BHL - 16,173 / 7707 MD/TVD, 470 FNL, 2185.76 FEL Sec 6



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	1000.00	0.00	242.37	1000.00	S 0.00	W 0.00	0.00	-0.00
End of Build	2118.94	33.57	242.37	2056.02	S 147.72	W 282.19	9.84	303.22
End of Hold	8565.78	33.57	242.37	7427.70	S 1800.92	W 3440.30	0.00	3696.74
Target TPZ - ... Sec 5	9172.37	90.00	269.97	7707.00	S 1887.06	W 3939.71	32.81	4203.53
T.D. & Target BHL...c 6	16173.19	90.00	269.97	7707.00	S 1890.79	W 10940.53	0.00	11102.72