

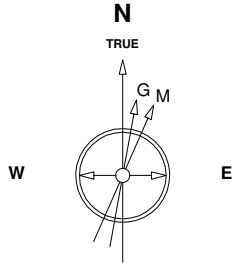
Great Western Operating Company, LLC

Location Colorado
Field Wattenburg
Installation Ottesen

Slot Slot S21 - Ottesen LE 06-050HN
Well Ottesen LE 06-050HN
Wellbore Ottesen LE 06-050HN (PWB)

Created by admin
Date plotted 14-Oct-2016

Plot reference is Ottesen LE 06-050HN (PWB).
Ref wellpath is Ottesen LE 06-050HN (PWP#1).
Coordinates are in Feet reference Slot S21 - Ottesen LE 06-050HN.
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.

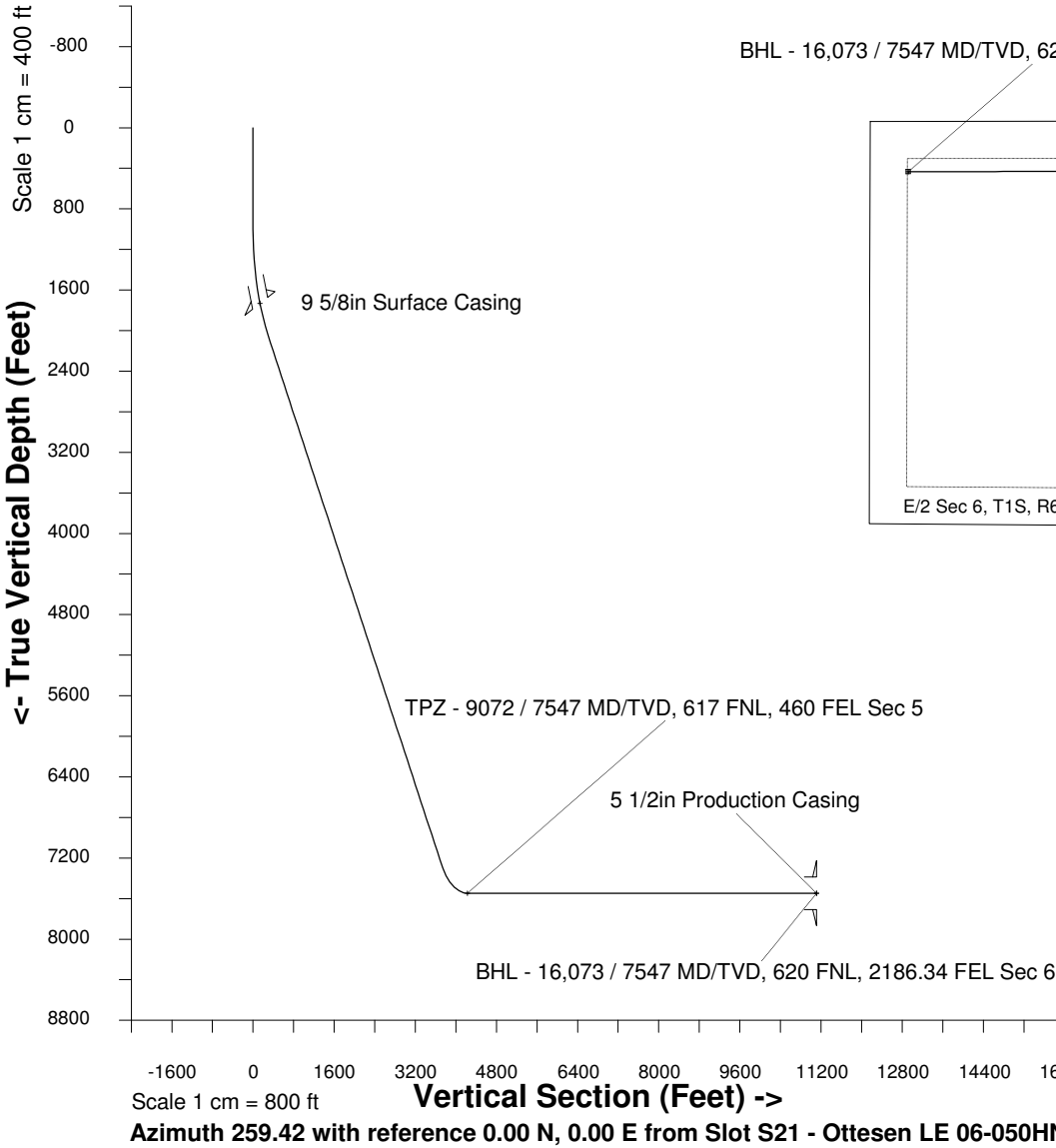


8-Aug-2016
IGRF Model [1900,0-2020,0] Dip: 66.56 deg Field: 52280.9 nT
Lat: N40 0 16.5600 Long: W104 46 43.1184 Elev: 5073.60 ft
Magnetic North is 8.28 deg East of TRUE North
To correct azimuth from Magnetic to TRUE add 8.28 deg

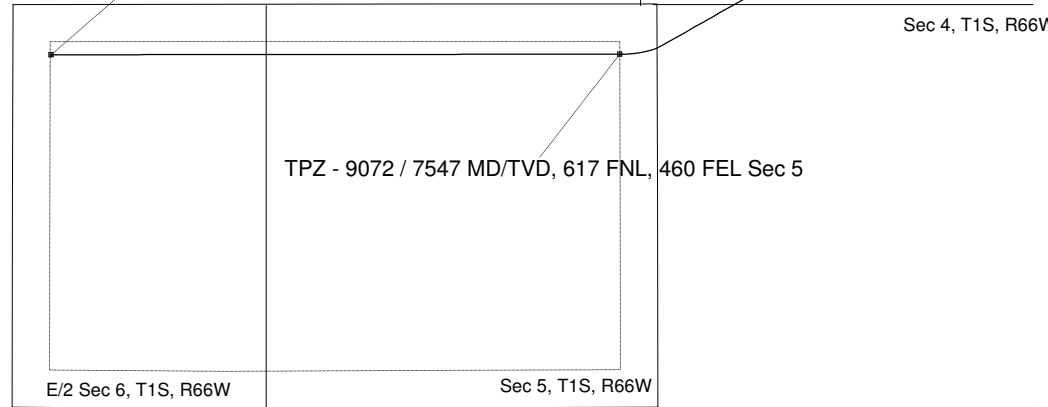
Scale 1 cm = 500 ft

East (Feet) ->

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



BHL - 16,073 / 7547 MD/TVD, 620 FNL, 2186.34 FEL Sec 6



<- North(Feet)

Scale 1 cm = 500 ft

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	240.48	1000.00	S 0.00	W 0.00	0.00	-0.00
End of Build	2158.36	34.75	240.48	2088.63	S 167.83	W 296.43	9.84	322.20
End of Hold	8469.19	34.75	240.48	7273.86	S 1940.18	W 3426.72	0.00	3724.72
Target TPZ - ... Sec 5	9071.63	90.00	269.94	7547.00	S 2033.87	W 3924.04	32.81	4230.78
T.D. & Target BHL...c 6	16073.34	90.00	269.94	7547.00	S 2040.88	W 10925.75	0.00	11114.73