

Great Western Operating Company, LLC

Location Colorado
Field Wattenburg
Installation Ottesen
Slot N14 - Ottesen LE 09-371HC
Well Ottesen LE 09-371HC
Wellbore Ottesen LE 09-371HC (PWB)

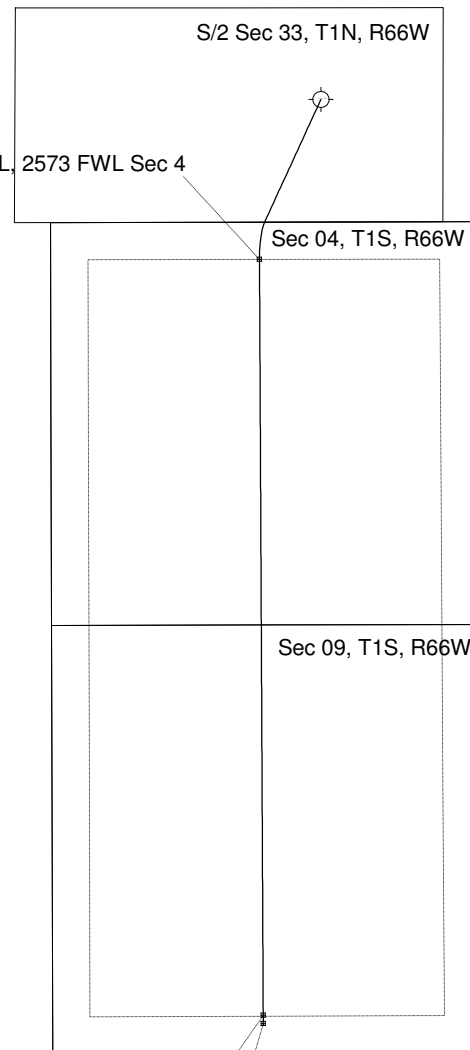
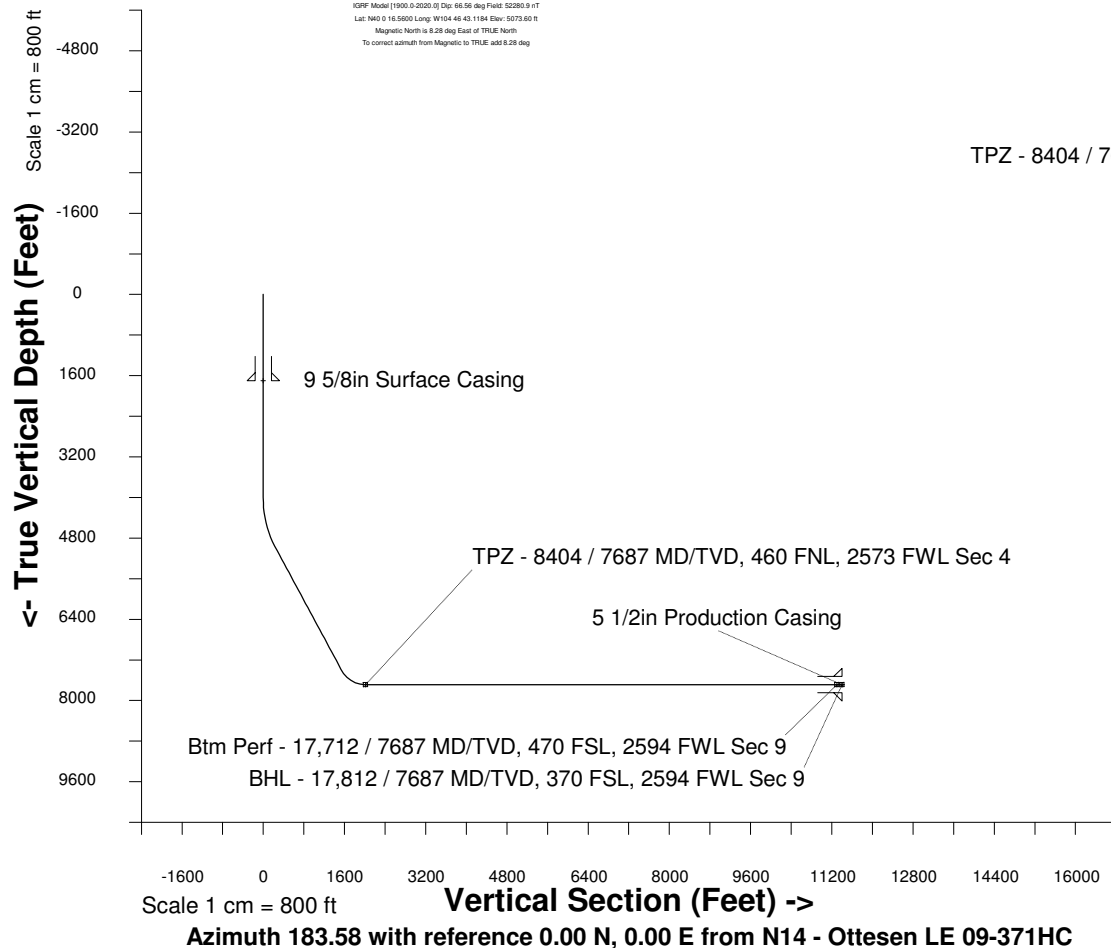
Created by admin
Date plotted 28-Dec-2017
Plot reference is Ottesen LE 09-371HC (PWB).
Ref wellpath is Ottesen LE 09-371HC (PWP#1).
Coordinates are in Feet reference N14 - Ottesen LE 09-371HC.
True Vertical Depths are reference Rig Datum.
Measured Depths are reference Rig Datum.
Rig Datum: Planned Datum #1
Rig Datum to Mean Sea Level: 5093.60 ft.
Plot North is aligned to TRUE North.

Scale 1 cm = 500 ft

East (Feet) ->

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

8-Aug-2016
IGPP Model [1900.0-2020.0] Dip: 66.56 deg Field: 52280.9 nT
Lat: N43 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



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	4027.00	0.00	204.67	4027.00	S 0.00	W 0.00	0.00	-0.00
End of Build	5026.95	30.00	204.67	4981.89	S 232.50	W 106.78	9.84	238.71
End of Hold	7831.04	30.00	204.67	7410.34	S 1506.54	W 691.92	0.00	1546.78
Target TPZ - ... Sec 4	8404.16	90.00	179.72	7687.00	S 1971.15	W 757.01	36.09	2014.54
Target Btm Pe... Sec 9	17711.80	90.00	179.72	7687.00	S 11278.67	W 711.33	0.00	11301.07
End of Turn	17714.40	90.00	180.01	7687.00	S 11281.27	W 711.32	36.09	11303.67
T.D. & Target BHL...c 9	17811.98	90.00	180.01	7687.00	S 11378.85	W 711.33	0.00	11401.06

Btm Perf - 17,712 / 7687 MD/TVD, 470 FSL, 2594 FWL Sec 9

BHL - 17,812 / 7687 MD/TVD, 370 FSL, 2594 FWL Sec 9