



Great Western Operating Company, LLC

Location Colorado
Field Wattenburg
Installation Ottesen
Slot Slot N22 - Ottesen LE 09-363HN
Well Ottesen LE 09-363HN
Wellbore Ottesen LE 09-363HN (PWB)

Created by admin
Date plotted 14-Oct-2016

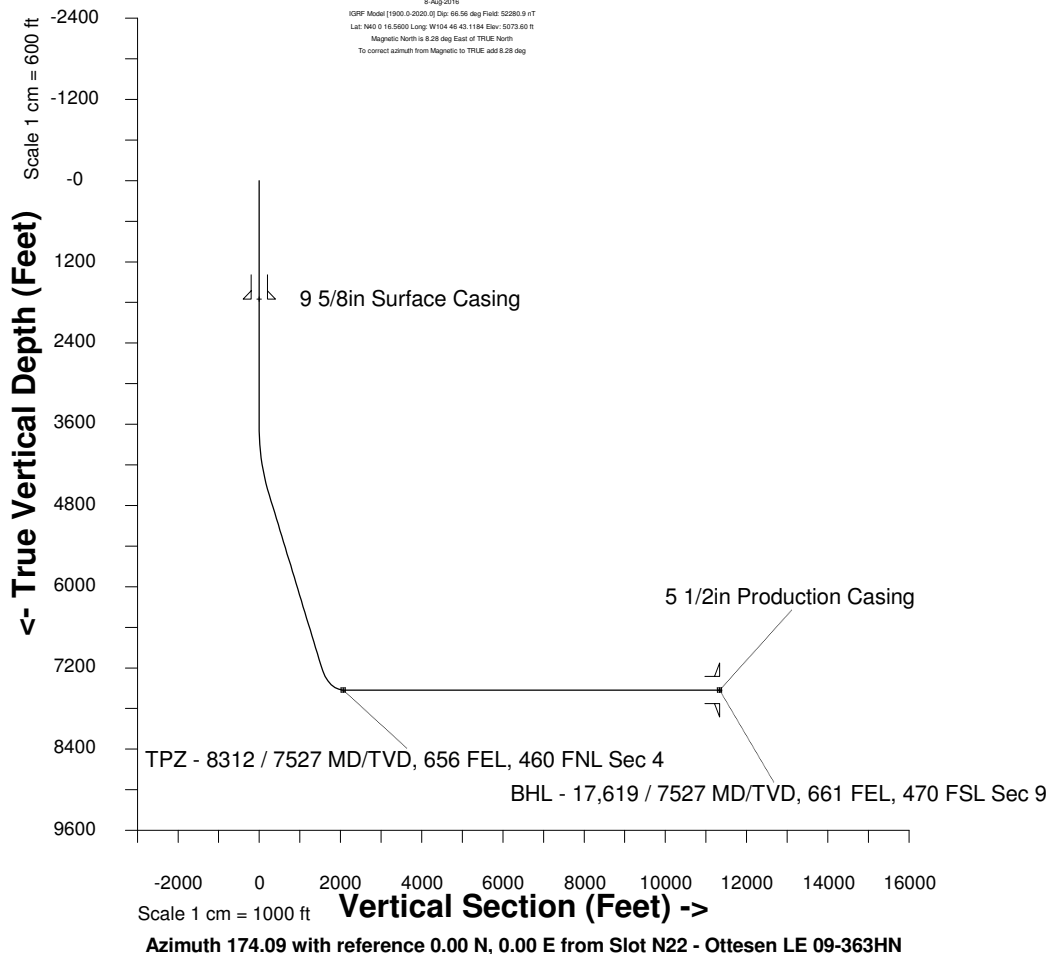
Plot reference is Ottesen LE 09-363HN (PWB).
Ref wellpath is Ottesen LE 09-363HN (PWP#1).
Coordinates are in Feet reference Slot N22 - Ottesen LE 09-363HN.
True Vertical Depths are reference Rig Datum.
Measured Depths are reference Rig Datum.
Rig Datum: Planned Datum #1
Rig Datum to Mean Sea Level: 5093.60 ft.
Plot North is aligned to TRUE North.

Scale 1 cm = 500 ft

East (Feet) ->

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

9-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



Sec 33, T1N, R66W
TPZ - 8312 / 7527 MD/TVD, 656 FEL, 460 FNL Sec 4

Sec 04, T1S, R66W

Sec 09, T1S, R66W

BHL - 17,619 / 7527 MD/TVD, 661 FEL, 470 FSL Sec 9

<- 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	3643.00	0.00	145.11	3643.00	S 0.00	W 0.00	0.00	0.00
End of Build	4643.16	30.00	145.11	4598.07	S 209.95	E 146.40	9.84	223.91
End of Hold	7655.53	30.00	145.11	7206.73	S 1445.59	E 1008.06	0.00	1541.75
Target TPZ - ... Sec 4	8312.36	90.00	179.68	7527.00	S 1967.12	E 1115.90	32.81	2071.62
T.D. & Target BHL...c 9	17618.93	90.00	179.68	7527.00	S 11273.55	E 1167.61	0.00	11333.85