

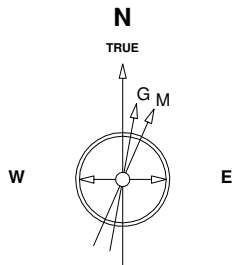
Great Western Operating Company, LLC

Location Colorado
Field Wattenburg
Installation Marcus

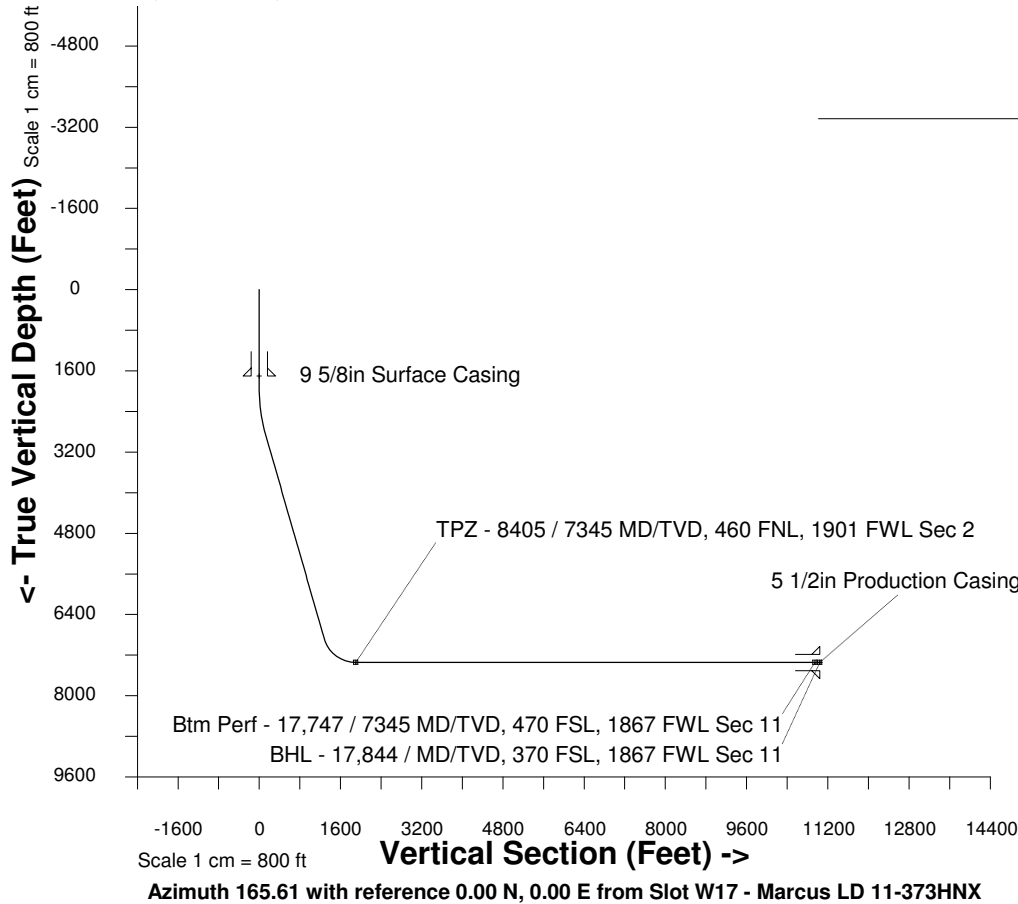
Slot Slot W17 - Marcus LD 11-373HNX
Well Marcus LD 11-373HNX
Wellbore Marcus LD 11-373HNX (PWB)

Created by admin
Date plotted 1-May-2017

Plot reference is Marcus LD 11-373HNX (PWB).
Ref wellpath is Marcus LD 11-373HNX (PWP#1).
Coordinates are in Feet reference Slot W17 - Marcus LD 11-373HNX.
True Vertical Depths are reference Rig Datum.
Measured Depths are reference Rig Datum.
Rig Datum: Planned Datum #1
Rig Datum to Mean Sea Level: 5042.00 ft.
Plot North is aligned to TRUE North.



13-Dec-2014
IGRF Model [1900.0-2020.0] Dip: 66.58 deg Field: 52459.7 nT
Lat: N40 0 11.6388 Long: W104 52 6.9096 Elev: 5042.00 ft
Magnetic North is 8.50 deg East of TRUE North
To correct azimuth from Magnetic to TRUE add 8.50 deg



Scale 1 cm = 400 ft

East (Feet) ->

-2400 -1600 -800 0 800 1600 2400 3200 4000 4800 5600 6400 7200 8000

Sec 34, T1N, R67W

Sec 35, T1N, R67W

Sec 2 T1S, R67W

TPZ - 8405 / 7345 MD/TVD, 460 FNL, 1901 FWL Sec 2

Sec 11, T1S, R67W

Btm Perf - 17,747 / 7345 MD/TVD, 470 FSL, 1867 FWL Sec 11

BHL - 17,844 / MD/TVD, 370 FSL, 1867 FWL Sec 11

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	1910.00	0.00	105.48	1910.00	S 0.00	W 0.00	0.00	0.00
End of Build	2909.97	30.00	105.48	2864.90	S 68.30	E 246.57	9.84	127.42
End of Hold	7582.25	30.00	105.48	6911.25	S 691.87	E 2497.88	0.00	1290.85
Target TPZ - ... Sec 2	8405.40	90.00	179.97	7345.00	S 1259.55	E 2739.48	32.81	1900.76
Target Btm Pe...Sec 11	17744.25	90.00	179.97	7345.00	S 10598.40	E 2744.43	0.00	10947.94
End of Turn	17747.34	90.00	180.00	7345.00	S 10601.49	E 2744.43	3.28	10950.93
T.D. & Target BHL...	17844.25	90.00	180.00	7345.00	S 10698.40	E 2744.43	0.00	11044.80