

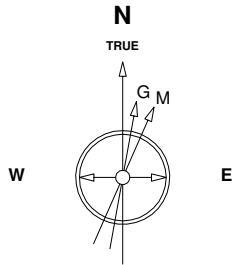
Great Western Operating Company, LLC

Location Colorado
Field Wattenburg
Installation Marcus

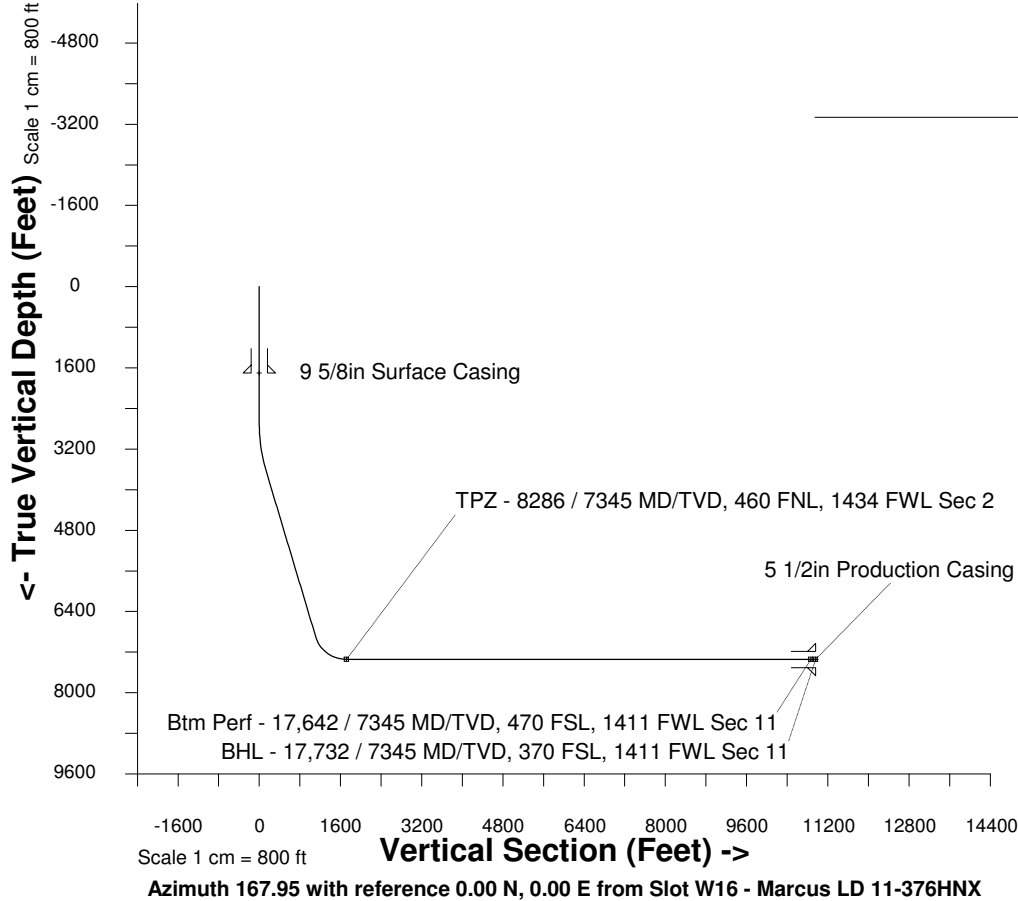
Slot Slot W16 - Marcus LD 11-376HNX
Well Marcus LD 11-376HNX
Wellbore Marcus LD 11-376HNX (PWB)

Created by admin
Date plotted 1-May-2017

Plot reference is Marcus LD 11-376HNX (PWB).
Ref wellpath is Marcus LD 11-376HNX (PWP#1).
Coordinates are in Feet reference Slot W16 - Marcus LD 11-376HNX.
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

900

0

-900

-1800

-2700

-3600

-4500

-5400

-6300

-7200

-8100

-9000

-9900

-10800

-11700

-12600

<- North(Feet)

Scale 1 cm = 450 ft

Sec 2 T1S, R67W

TPZ - 8286 / 7345 MD/TVD, 460 FNL, 1434 FWL Sec 2

Sec 11, T1S, R67W

Btm Perf - 17,642 / 7345 MD/TVD, 470 FSL, 1411 FWL Sec 11

BHL - 17,732 / 7345 MD/TVD, 370 FSL, 1411 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	2667.00	0.00	109.17	2667.00	S 0.00	W 0.00	0.00	0.00
End of Build	3666.96	30.00	109.17	3621.90	S 84.01	E 241.67	9.84	132.60
End of Hold	7480.89	30.00	109.17	6924.89	S 710.17	E 2042.83	0.00	1120.92
Target TPZ - ... Sec 2	8285.94	90.00	179.91	7345.00	S 1274.90	E 2272.72	32.81	1721.19
Target Btm Pe...Sec 11	17632.09	90.00	179.91	7345.00	S 10621.03	E 2288.15	0.00	10864.69
End of Turn	17642.04	90.00	180.00	7345.00	S 10630.99	E 2288.15	3.28	10874.43
T.D. & Target BHL... 11	17732.09	90.00	180.00	7345.00	S 10721.03	E 2288.15	0.00	10962.49