

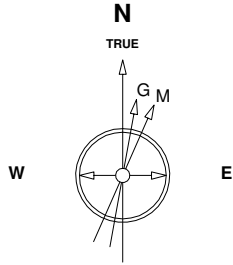
Great Western Operating Company, LLC

Location Colorado
Field Wattenburg
Installation Marcus

Slot Slot E14 - Marcus LD 11-368HNX
Well Marcus LD 11-368HNX
Wellbore Marcus LD 11-368HNX (PWB)

Created by admin
Date plotted 1-May-2017

Plot reference is Marcus LD 11-368HNX (PWB).
Ref wellpath is Marcus LD 11-368HNX (PWP#1).
Coordinates are in Feet reference Slot E14 - Marcus LD 11-368HNX.
True Vertical Depths are reference Rig Datum.
Measured Depths are reference Rig Datum.
Rig Datum: Planned Datum #1
Rig Datum to Mean Sea Level: 5058.20 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

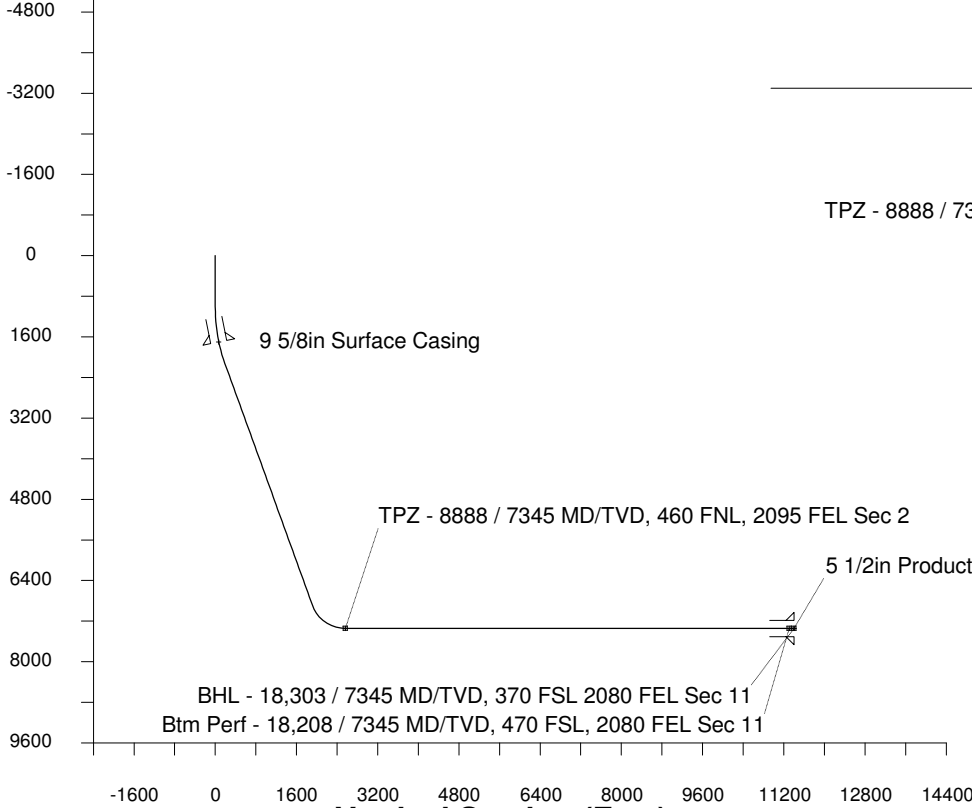
Scale 1 cm = 400 ft

East (Feet) ->

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

<- True Vertical Depth (Feet)

Scale 1 cm = 800 ft



Scale 1 cm = 800 ft

Vertical Section (Feet) ->

Azimuth 160.07 with reference 0.00 N, 0.00 E from Slot E14 - Marcus LD 11-368HNX

WELL PROFILE DATA

Point	MD	Inc	Azi	TVD	North	East	deg/100ft	V. Sect
Tie on	16.20	0.00	0.00	16.20	S 0.00	W 0.00		0.00
KOP	1000.00	0.00	101.41	1000.00	S 0.00	W 0.00	0.00	0.00
End of Build	2161.88	34.86	101.41	2091.53	S 67.79	E 335.88	9.84	178.23
End of Hold	8051.49	34.86	101.41	6924.45	S 733.76	E 3635.39	0.00	1929.08
Target TPZ - ... Sec 2	8887.72	90.00	180.21	7345.00	S 1304.20	E 3920.66	32.81	2562.60
Target Btm Pe...Sec 11	18203.32	90.00	180.21	7345.00	S 10619.74	E 3887.10	0.00	11308.72
End of Turn	18207.54	90.00	180.00	7345.00	S 10623.96	E 3887.09	16.40	11312.69
T.D. & Target BHL... 11	18303.32	90.00	180.00	7345.00	S 10719.74	E 3887.10	0.00	11402.73

Sec 34, T1N, R67W

Sec 35, T1N, R67W

Sec 2 T1S, R67W

TPZ - 8888 / 7345 MD/TVD, 460 FNL, 2095 FEL Sec 2

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5 1/2in Production Casing

BHL - 18,303 / 7345 MD/TVD, 370 FSL 2080 FEL Sec 11

Btm Perf - 18,208 / 7345 MD/TVD, 470 FSL, 2080 FEL Sec 11

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BHL - 18,303 / 7345 MD/TVD, 370 FSL 2080 FEL Sec 11

Sec 11, T1S, R67W

<- North(Feet)

Scale 1 cm = 450 ft