

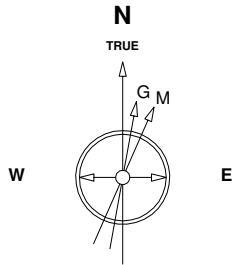
Great Western Operating Company, LLC

Location Colorado
Field Wattenburg
Installation Marcus

Slot Slot E01 - Marcus LD 11-370HC
Well Marcus LD 11-370HC
Wellbore Marcus LD 11-370HC (PWB)

Created by admin
Date plotted 18-May-2016

Plot reference is Marcus LD 11-370HC (PWB).
Ref wellpath is Marcus LD 11-370HC (PWP#1).
Coordinates are in Feet reference Slot E01 - Marcus LD 11-370HC.
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

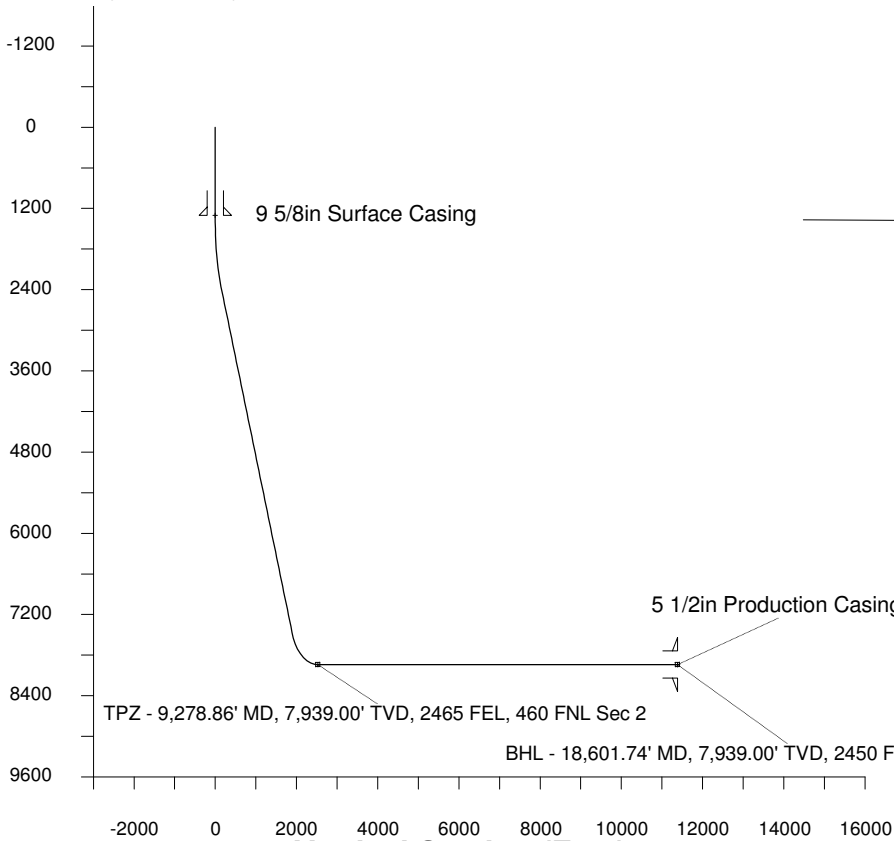
Scale 1 cm = 400 ft

East (Feet) ->

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

<- True Vertical Depth (Feet)

Scale 1 cm = 600 ft



Scale 1 cm = 1000 ft

Vertical Section (Feet) ->

Azimuth 161.99 with reference 0.00 N, 0.00 E from Slot E01 - Marcus LD 11-370HC

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	1400.00	0.00	105.78	1400.00	S 0.00	W 0.00	0.00	0.00
End of Build	2453.96	31.62	105.78	2401.27	S 77.08	E 272.83	9.84	157.66
End of Hold	8459.78	31.62	105.78	7515.56	S 933.18	E 3302.85	0.00	1908.65
Target TPZ - ... Sec 2	9278.86	90.00	180.20	7939.00	S 1501.31	E 3551.97	32.81	2525.97
T.D. & Target BHL... 11	18601.74	90.00	180.20	7939.00	S 10824.14	E 3519.11	0.00	11381.83

Sec 34, T1N, R67W

Sec 35, T1N, R67W

TPZ - 9,278.86' MD, 7,939.00' TVD, 2465 FEL, 460 FNL Sec 2

Sec 2 T1S, R67W

Sec 11, T1S, R67W

BHL - 18,601.74' MD, 7,939.00' TVD, 2450 FEL, 470 FSL Sec 11

<- North(Feet)

Scale 1 cm = 450 ft