

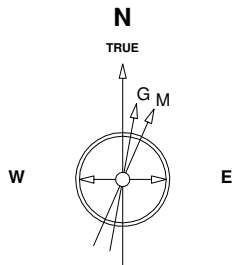
Great Western Operating Company, LLC

Location Colorado
Field Wattenburg
Installation Marcus

Slot Slot E11 - Marcus LD 11-362HN
Well Marcus LD 11-362HN
Wellbore Marcus LD 11-362HN (PWB)

Created by admin
Date plotted 16-Aug-2017

Plot reference is Marcus LD 11-362HN (PWB).
Ref wellpath is Marcus LD 11-362HN (PWP#1).
Coordinates are in Feet reference Slot E11 - Marcus LD 11-362HN.
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.



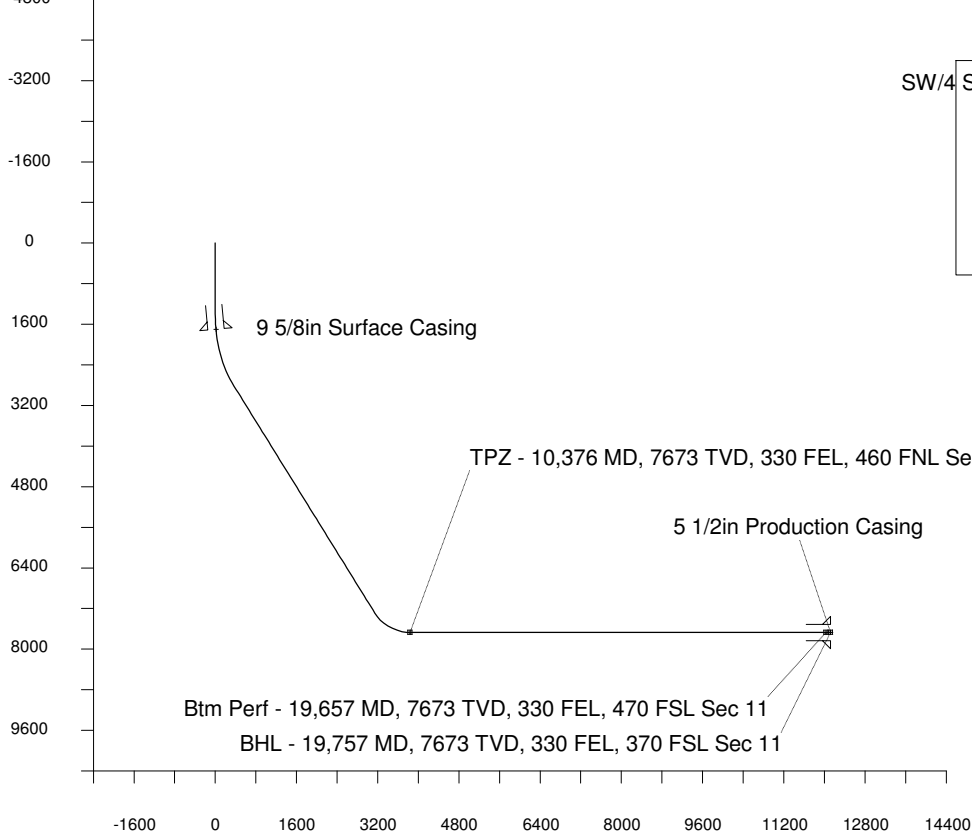
Scale 1 cm = 500 ft

East (Feet) ->

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

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
True Vertical Depth (Feet)



Scale 1 cm = 800 ft

Vertical Section (Feet) ->

Azimuth 152.29 with reference 0.00 N, 0.00 E from Slot E11 - Marcus LD 11-362HN

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	98.33	1400.00	S 0.00	W 0.00	0.00	0.00
End of Build	2950.43	46.51	98.33	2785.66	S 86.30	E 589.23	9.84	350.40
End of Hold	9534.63	46.51	98.33	7316.84	S 778.54	E 5315.84	0.00	3161.17
Target TPZ - ... Sec 2	10376.43	90.00	180.30	7673.00	S 1350.48	E 5684.66	32.81	3839.01
Target Btm Pe...Sec 11	19656.76	90.00	180.30	7673.00	S 10630.68	E 5636.33	0.00	12032.35
End of Turn	19659.10	90.00	179.99	7673.00	S 10633.02	E 5636.32	42.65	12034.42
T.D. & Target BHL... 11	19756.76	90.00	179.99	7673.00	S 10730.68	E 5636.33	0.00	12120.88

SW/4 Sec 34, T1N, R67W

S/2 Sec 35, T1N, R67W

TPZ - 10,376 MD, 7673 TVD, 330 FEL, 460 FNL Sec 2

Sec 2, T1S, R67W

Sec 11, T1S, R67W

Btm Perf - 19,657 MD, 7673 TVD, 330 FEL, 470 FSL Sec 11

BHL - 19,757 MD, 7673 TVD, 330 FEL, 370 FSL Sec 11

<- North(Feet)

Scale 1 cm = 500 ft