

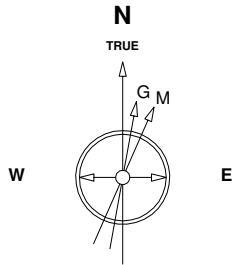
Great Western Operating Company, LLC

Location Colorado
Field Wattenburg
Installation Marcus

Slot Slot E10 - Marcus LD 11-362HC
Well Marcus LD 11-362HC
Wellbore Marcus LD 11-362HC (PWB)

Created by admin
Date plotted 16-Aug-2017

Plot reference is Marcus LD 11-362HC (PWB).
Ref wellpath is Marcus LD 11-362HC (PWP#1).
Coordinates are in Feet reference Slot E10 - Marcus LD 11-362HC.
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.



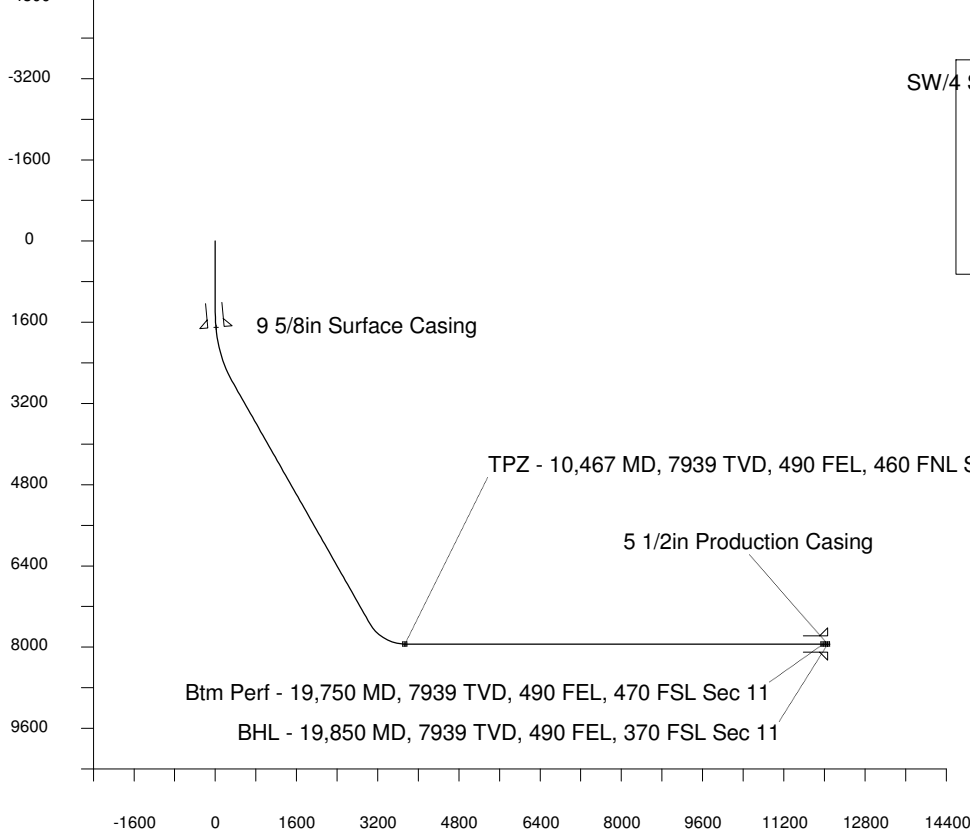
Scale 1 cm = 500 ft

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)



Vertical Section (Feet) ->

Scale 1 cm = 800 ft

Azimuth 153.00 with reference 0.00 N, 0.00 E from Slot E10 - Marcus LD 11-362HC

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	98.69	1400.00	S 0.00	W 0.00	0.00	0.00
End of Build	2874.86	44.25	98.69	2732.58	S 81.82	E 535.51	9.84	316.01
End of Hold	9624.73	44.25	98.69	7567.87	S 793.14	E 5191.14	0.00	3063.36
Target TPZ - ... Sec 2	10467.15	90.00	180.42	7939.00	S 1365.81	E 5544.68	32.81	3734.13
Target Btm Pe...Sec 11	19750.52	90.00	180.42	7939.00	S 10648.93	E 5476.69	0.00	11974.63
End of Turn	19753.80	90.00	179.99	7939.00	S 10652.21	E 5476.68	42.65	11977.54
T.D. & Target BHL... 11	19850.52	90.00	179.99	7939.00	S 10748.93	E 5476.69	0.00	12063.73

TPZ - 10,467 MD, 7939 TVD, 490 FEL, 460 FNL Sec 2

SW/4 Sec 34, T1N, R67W

S/2 Sec 35, T1N, R67W

Sec 2, T1S, R67W

Sec 11, T1S, R67W

Btm Perf - 19,750 MD, 7939 TVD, 490 FEL, 470 FSL Sec 11

BHL - 19,850 MD, 7939 TVD, 490 FEL, 370 FSL Sec 11

<- North(Feet)

Scale 1 cm = 500 ft