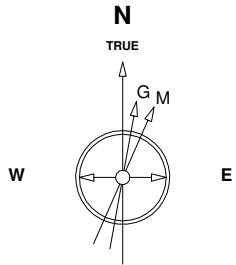


Great Western Operating Company, LLC

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	18-May-2016
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.	



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

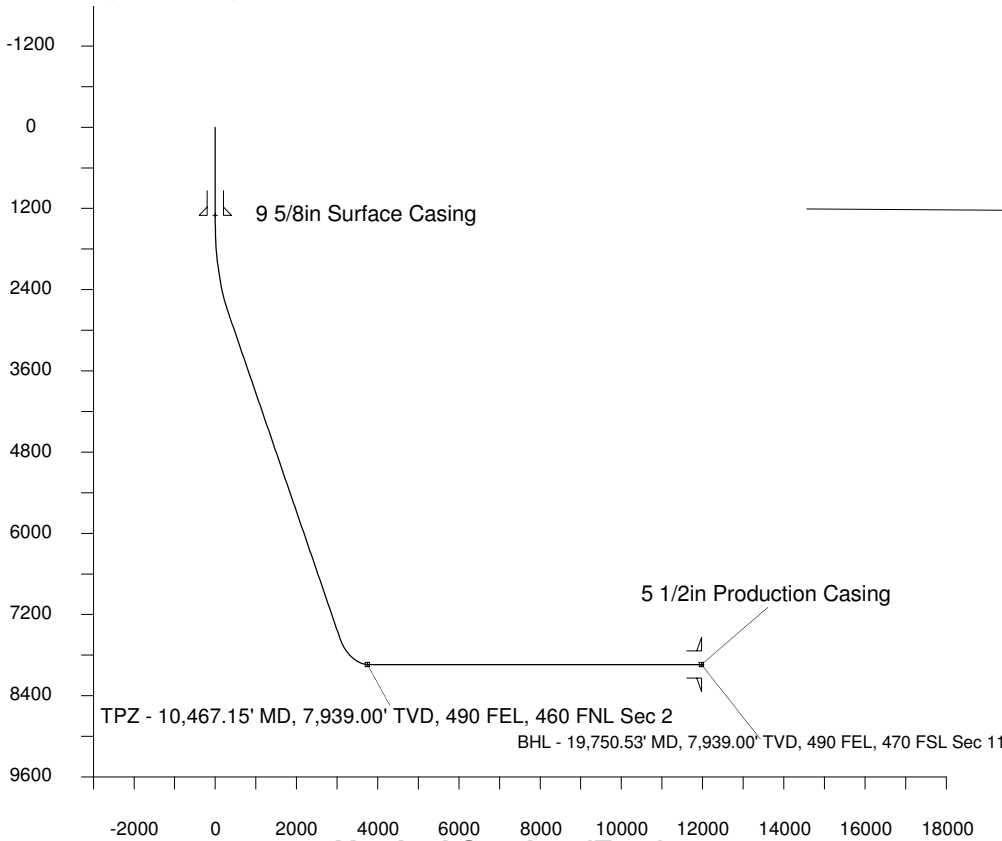
Scale 1 cm = 400 ft

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 152.78 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	317.68
End of Hold	9624.73	44.25	98.69	7567.87	S 793.14	E 5191.14	0.00	3079.51
Target TPZ - ... Sec 2	10467.15	90.00	180.42	7939.00	S 1365.81	E 5544.68	32.81	3750.48
T.D. & Target BHL... 11	19750.53	90.00	180.42	7939.00	S 10648.93	E 5476.69	0.00	11974.72

Sec 34, T1N, R67W

Sec 35, T1N, R67W

TPZ - 10,467.15' MD, 7,939.00' TVD, 490 FEL, 460 FNL Sec 2

Sec 2 T1S, R67W

Sec 11, T1S, R67W

BHL - 19,750.53' MD, 7,939.00' TVD, 490 FEL, 470 FSL Sec 11

<- North(Feet)

Scale 1 cm = 450 ft