

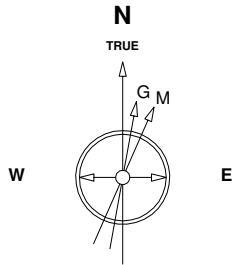
Great Western Operating Company, LLC

Location Colorado
Field Wattenburg
Installation Marcus

Slot Slot E09 - Marcus LD 11-363HN
Well Marcus LD 11-363HN
Wellbore Marcus LD 11-363HN (PWB)

Created by admin
Date plotted 16-Aug-2017

Plot reference is Marcus LD 11-363HN (PWB).
Ref wellpath is Marcus LD 11-363HN (PWP#1).
Coordinates are in Feet reference Slot E09 - Marcus LD 11-363HN.
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.



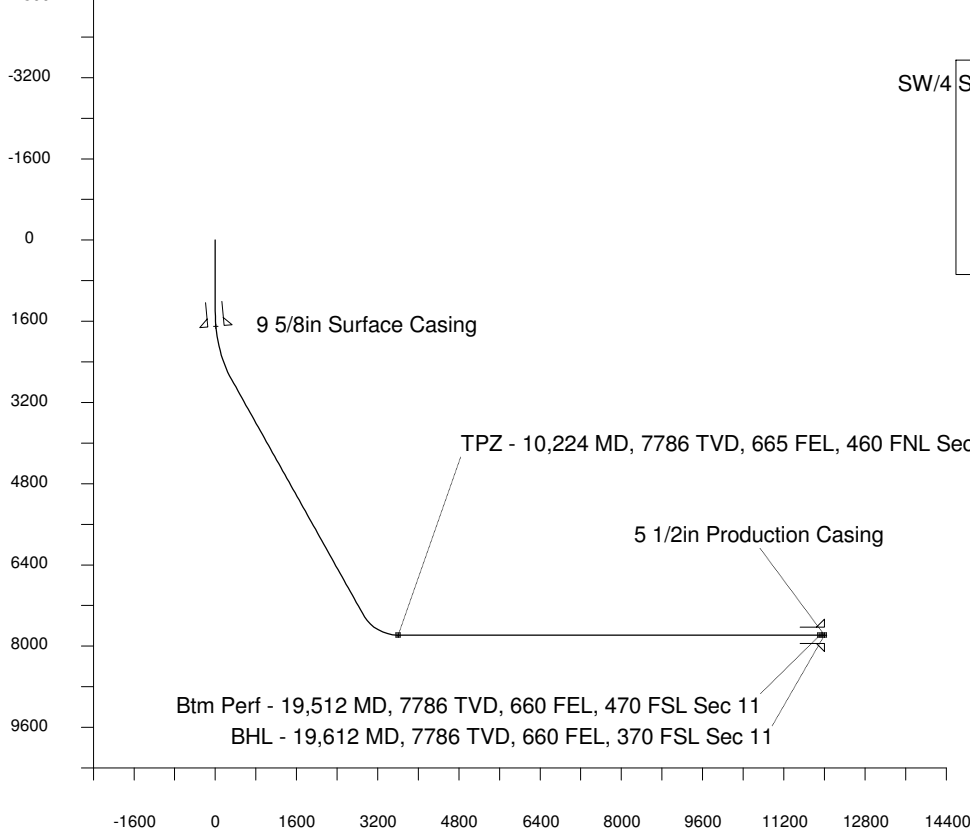
Scale 1 cm = 500 ft

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 153.76 with reference 0.00 N, 0.00 E from Slot E09 - Marcus LD 11-363HN

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	99.19	1400.00	S 0.00	W 0.00	0.00	0.00
End of Build	2866.79	44.00	99.19	2726.79	S 85.60	E 529.23	9.84	310.73
End of Hold	9386.10	44.00	99.19	7416.10	S 808.77	E 5000.11	0.00	2935.80
Target TPZ - ... Sec 2	10224.29	90.00	180.27	7786.00	S 1380.06	E 5350.35	32.81	3603.07
Target Btm Pe...Sec 11	19511.52	90.00	180.27	7786.00	S 10667.19	E 5306.39	0.00	11914.06
End of Turn	19513.61	90.00	180.00	7786.00	S 10669.28	E 5306.39	42.65	11915.93
T.D. & Target BHL... 11	19611.52	90.00	180.00	7786.00	S 10767.19	E 5306.39	0.00	12003.75

TPZ - 10,224 MD, 7786 TVD, 665 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 - 19,512 MD, 7786 TVD, 660 FEL, 470 FSL Sec 11

BHL - 19,612 MD, 7786 TVD, 660 FEL, 370 FSL Sec 11

<- North(Feet)

Scale 1 cm = 500 ft