

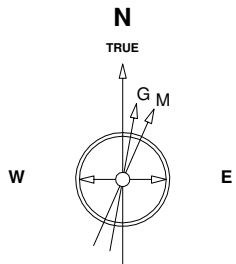
Great Western Operating Company, LLC

Location Colorado
Field Wattenburg
Installation Marcus

Slot Slot E06 - Marcus LD 11-365HN
Well Marcus LD 11-365HN
Wellbore Marcus LD 11-365HN (PWB)

Created by admin
Date plotted 16-Aug-2017

Plot reference is Marcus LD 11-365HN (PWB).
Ref wellpath is Marcus LD 11-365HN (PWP#1).
Coordinates are in Feet reference Slot E06 - Marcus LD 11-365HN.
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.

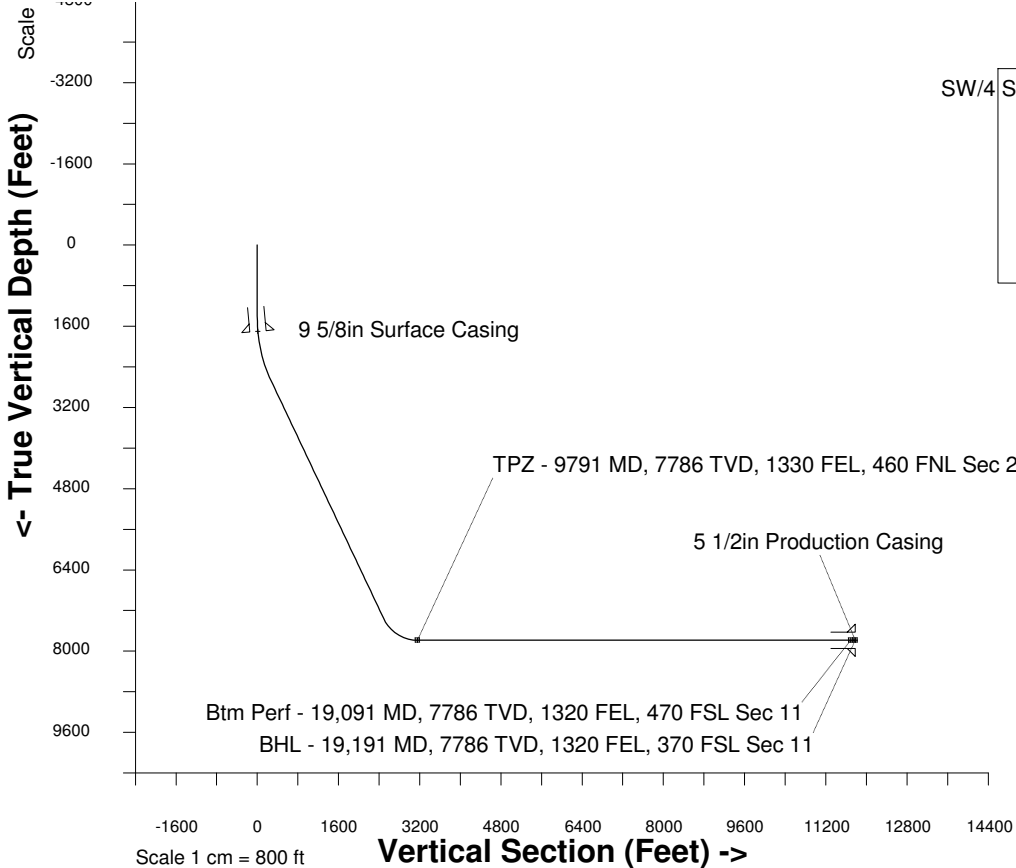


Scale 1 cm = 500 ft

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



TPZ - 9791 MD, 7786 TVD, 1330 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 - 19,091 MD, 7786 TVD, 1320 FEL, 470 FSL Sec 11

BHL - 19,191 MD, 7786 TVD, 1320 FEL, 370 FSL Sec 11

Btm Perf - 19,091 MD, 7786 TVD, 1320 FEL, 470 FSL Sec 11

BHL - 19,191 MD, 7786 TVD, 1320 FEL, 370 FSL Sec 11

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	101.09	1400.00	S 0.00	W 0.00	0.00	0.00
End of Build	2733.61	40.01	101.09	2627.85	S 85.95	E 438.66	9.84	252.01
End of Hold	8960.58	40.01	101.09	7397.40	S 855.67	E 4367.27	0.00	2509.00
Target TPZ - ... Sec 2	9791.06	90.00	180.23	7786.00	S 1425.73	E 4685.28	32.81	3158.27
Target Btm Pe...Sec 11	19091.38	90.00	180.23	7786.00	S 10725.97	E 4647.23	0.00	11689.38
End of Turn	19093.21	90.00	180.00	7786.00	S 10727.80	E 4647.23	42.65	11691.06
T.D. & Target BHL... 11	19191.38	90.00	180.00	7786.00	S 10825.97	E 4647.23	0.00	11781.27

<- North(Feet)

Scale 1 cm = 500 ft