

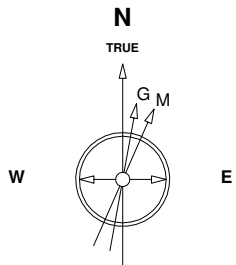
Great Western Operating Company, LLC

Location Colorado
Field Wattenburg
Installation Marcus

Slot Slot W10 - Marcus LD 11-373HN
Well Marcus LD 11-373HN
Wellbore Marcus LD 11-373HN (PWB)

Created by admin
Date plotted 16-Aug-2017

Plot reference is Marcus LD 11-373HN (PWB).
Ref wellpath is Marcus LD 11-373HN (PWP#1).
Coordinates are in Feet reference Slot W10 - Marcus LD 11-373HN.
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.

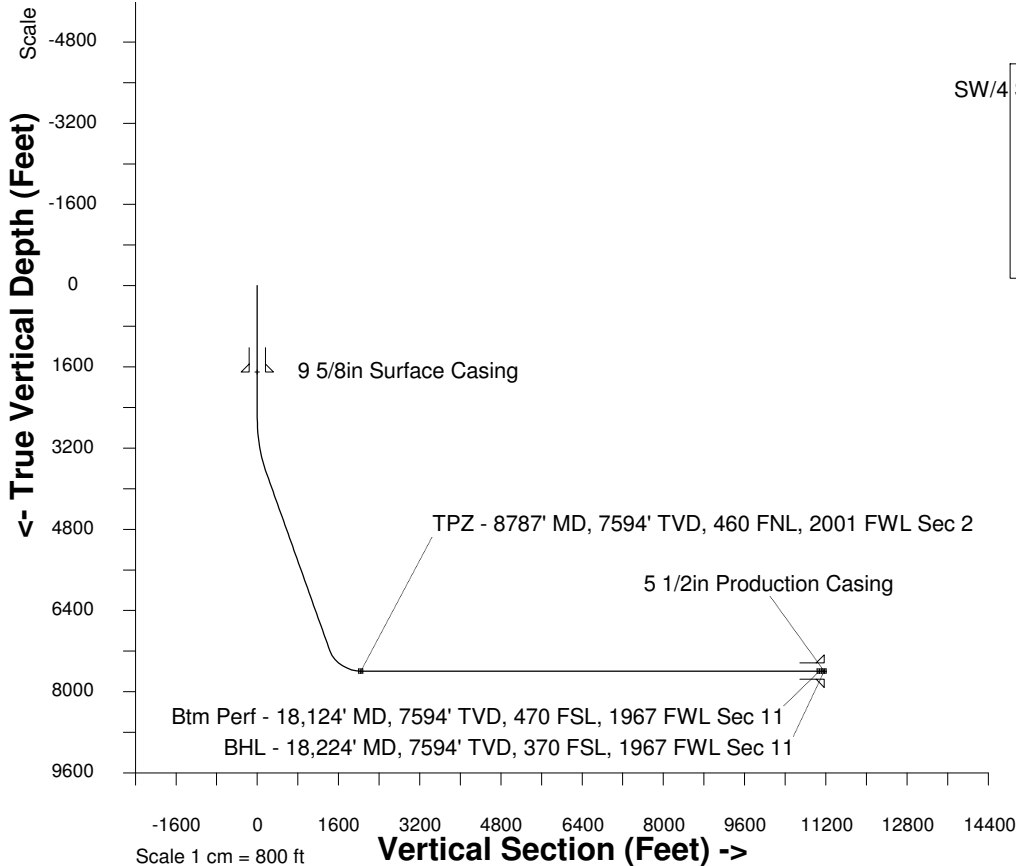


13-Dec-2014
IGRF Model [1900.0-2020.0] Dip: 66.58 deg Field: 52459.7 nT
Lat: N40 0 11.6388 Long: W104 52 6.9096 Elev: 5042.00 ft
Magnetic North is 8.50 deg East of TRUE North
To correct azimuth from Magnetic to TRUE add 8.50 deg

Scale 1 cm = 500 ft

East (Feet) ->

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



Scale 1 cm = 800 ft

Vertical Section (Feet) ->

Azimuth 165.25 with reference 0.00 N, 0.00 E from Slot W10 - Marcus LD 11-373HN

SW/4 Sec 34, T1N, R67W

S/2 Sec 35, T1N, R67W

TPZ - 8787' MD, 7594' TVD, 460 FNL, 2001 FWL Sec 2

Sec 2, T1S, R67W

Sec 11, T1S, R67W

Btm Perf - 18,124' MD, 7594' TVD, 470 FSL, 1967 FWL Sec 11

BHL - 18,224' MD, 7594' TVD, 370 FSL, 1967 FWL 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	2600.00	0.00	107.23	2600.00	S 0.00	W 0.00	0.00	0.00
End of Build	3732.23	33.97	107.23	3667.06	S 96.54	E 311.27	9.84	172.59
End of Hold	7982.45	33.97	107.23	7192.03	S 799.94	E 2579.36	0.00	1430.16
Target TPZ - ... Sec 2	8787.02	90.00	179.97	7594.00	S 1364.83	E 2838.26	32.81	2042.35
Target Btm Pe...Sec 11	18124.05	90.00	179.97	7594.00	S 10701.86	E 2843.25	0.00	11073.09
End of Turn	18124.28	90.00	180.00	7594.00	S 10702.09	E 2843.25	42.65	11073.31
T.D. & Target BHL... 11	18224.05	90.00	180.00	7594.00	S 10801.86	E 2843.25	0.00	11169.79

<- North(Feet)

Scale 1 cm = 500 ft