

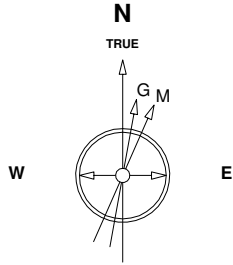
Great Western Operating Company, LLC

Location Colorado
Field Wattenburg
Installation Marcus

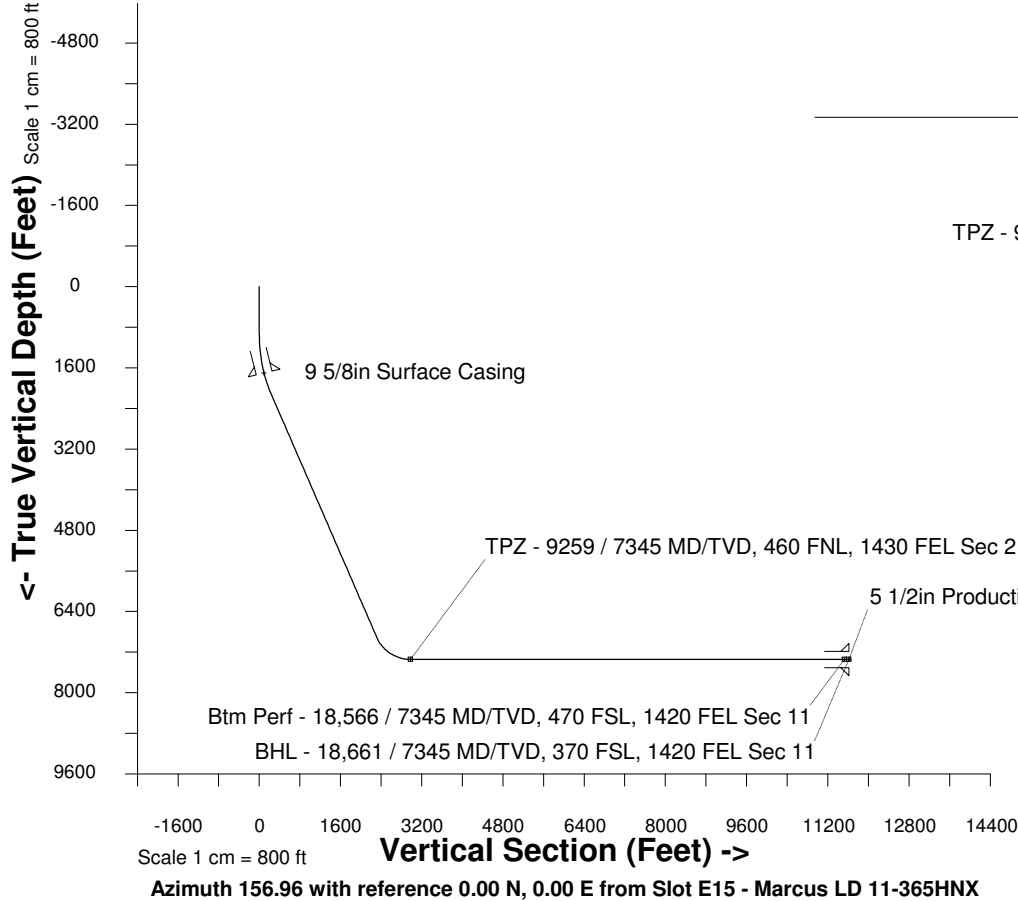
Slot Slot E15 - Marcus LD 11-365HNX
Well Marcus LD 11-365HNX
Wellbore Marcus LD 11-365HNX (PWB)

Created by admin
Date plotted 1-May-2017

Plot reference is Marcus LD 11-365HNX (PWB).
Ref wellpath is Marcus LD 11-365HNX (PWP#1).
Coordinates are in Feet reference Slot E15 - Marcus LD 11-365HNX.
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



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	900.00	0.00	99.54	900.00	S 0.00	W 0.00	0.00	0.00
End of Build	2195.67	38.87	99.54	2098.55	S 70.12	E 417.05	9.84	227.74
End of Hold	8416.77	38.87	99.54	6942.10	S 717.46	E 4267.11	0.00	2330.16
Target TPZ - ... Sec 2	9258.53	90.00	180.24	7345.00	S 1288.79	E 4585.22	32.81	2980.40
Target Btm Pe...Sec 11	18561.03	90.00	180.24	7345.00	S 10591.21	E 4546.57	0.00	11525.78
End of Turn	18565.91	90.00	179.99	7345.00	S 10596.09	E 4546.56	16.40	11530.27
T.D. & Target BHL... 11	18661.03	90.00	179.99	7345.00	S 10691.21	E 4546.57	0.00	11617.80

