

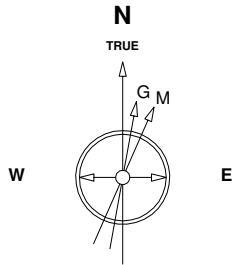
Great Western Operating Company, LLC

Location Colorado
Field Wattenburg
Installation Marcus

Slot Slot E02 - Marcus LD 11-369HN
Well Marcus LD 11-369HN
Wellbore Marcus LD 11-369HN (PWB)

Created by admin
Date plotted 18-May-2016

Plot reference is Marcus LD 11-369HN (PWB).
Ref wellpath is Marcus LD 11-369HN (PWP#1).
Coordinates are in Feet reference Slot E02 - Marcus LD 11-369HN.
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.

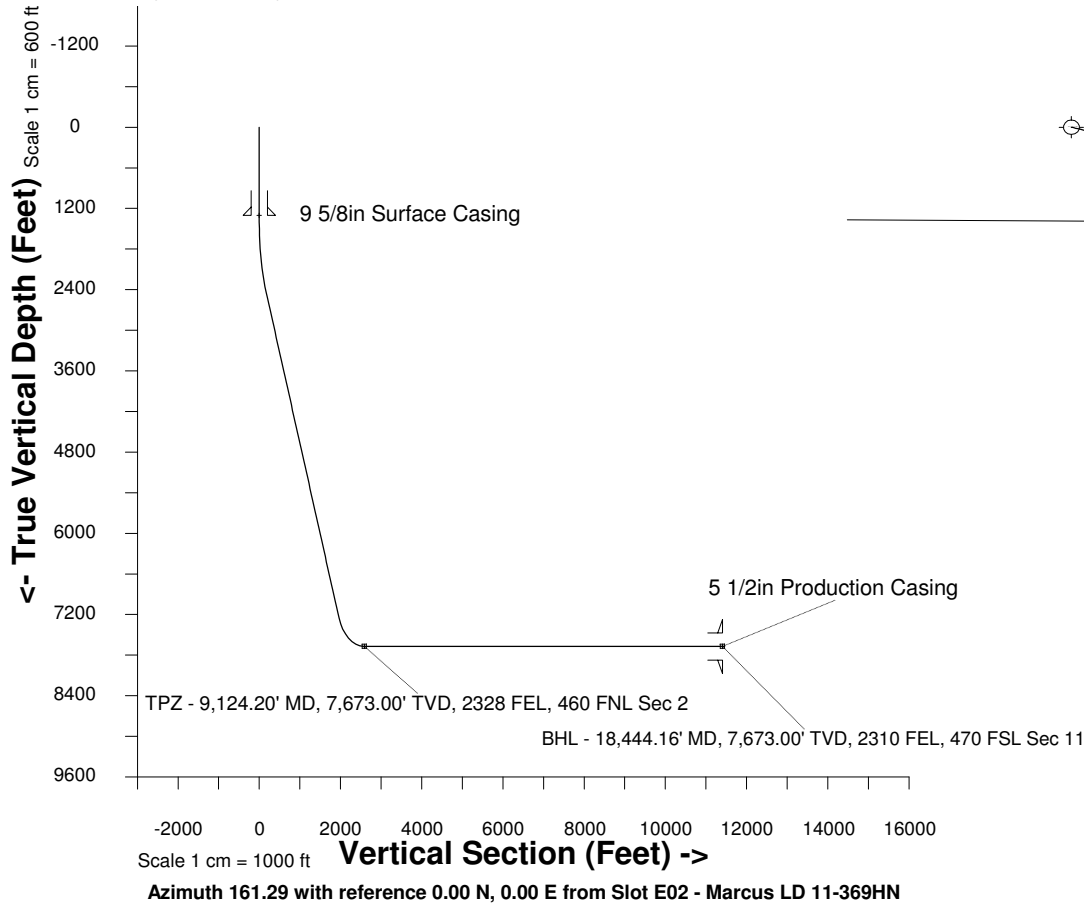


Scale 1 cm = 400 ft

East (Feet) ->

-2400 -1600 -800 0 800 1600 2400 3200 4000 4800 5600 6400 7200 8000

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	1400.00	0.00	105.01	1400.00	S 0.00	W 0.00	0.00	0.00
End of Build	2529.17	33.88	105.01	2464.53	S 83.97	E 313.13	9.84	179.97
End of Hold	8306.22	33.88	105.01	7260.95	S 918.05	E 3423.26	0.00	1967.50
Target TPZ - ... Sec 2	9124.20	90.00	180.18	7673.00	S 1485.99	E 3688.87	32.81	2590.63
T.D. & Target BHL... 11	18444.16	90.00	180.18	7673.00	S 10805.90	E 3659.14	0.00	11408.63

