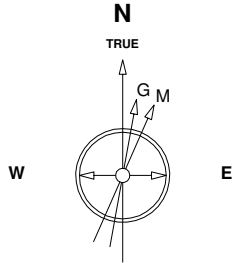


Great Western Operating Company, LLC

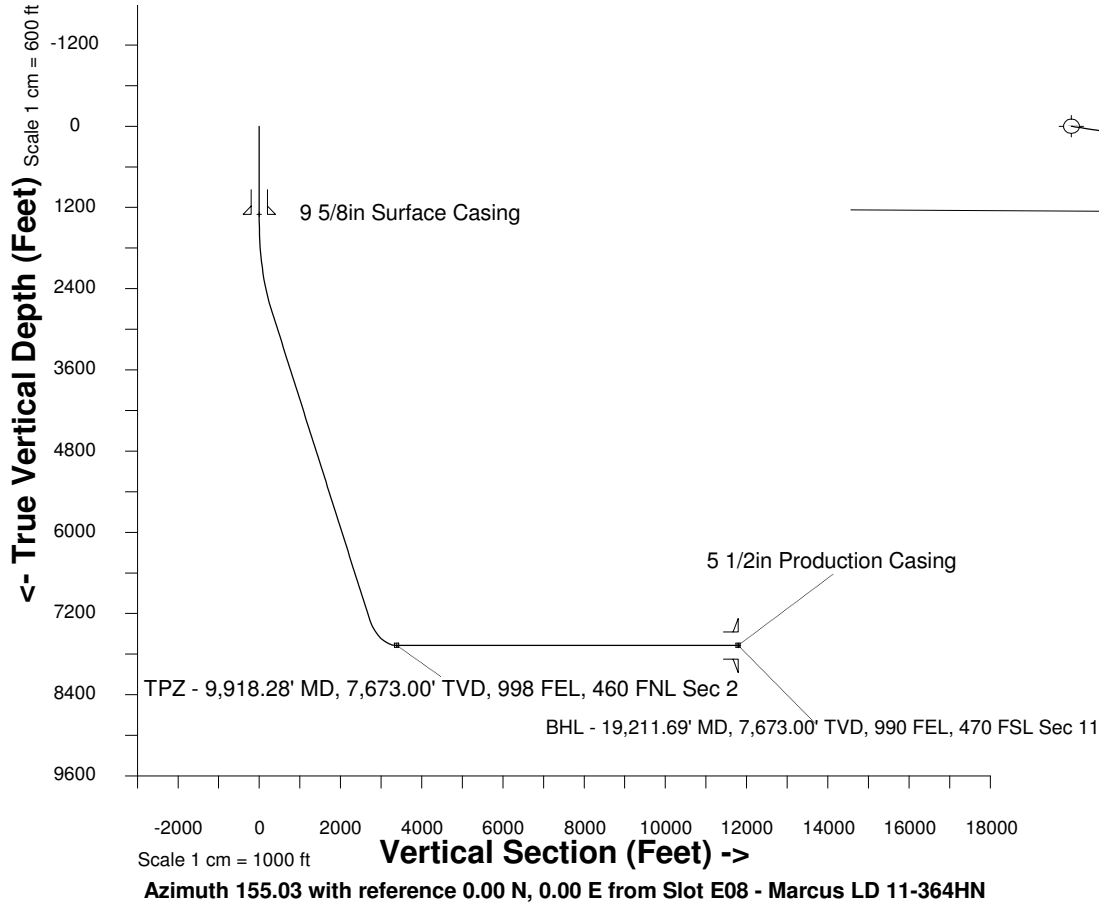
Location Colorado
Field Wattenburg
Installation Marcus

Slot Slot E08 - Marcus LD 11-364HN
Well Marcus LD 11-364HN
Wellbore Marcus LD 11-364HN (PWB)

Created by admin
Date plotted 18-May-2016
Plot reference is Marcus LD 11-364HN (PWB).
Ref wellpath is Marcus LD 11-364HN (PWP#1).
Coordinates are in Feet reference Slot E08 - Marcus LD 11-364HN.
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.



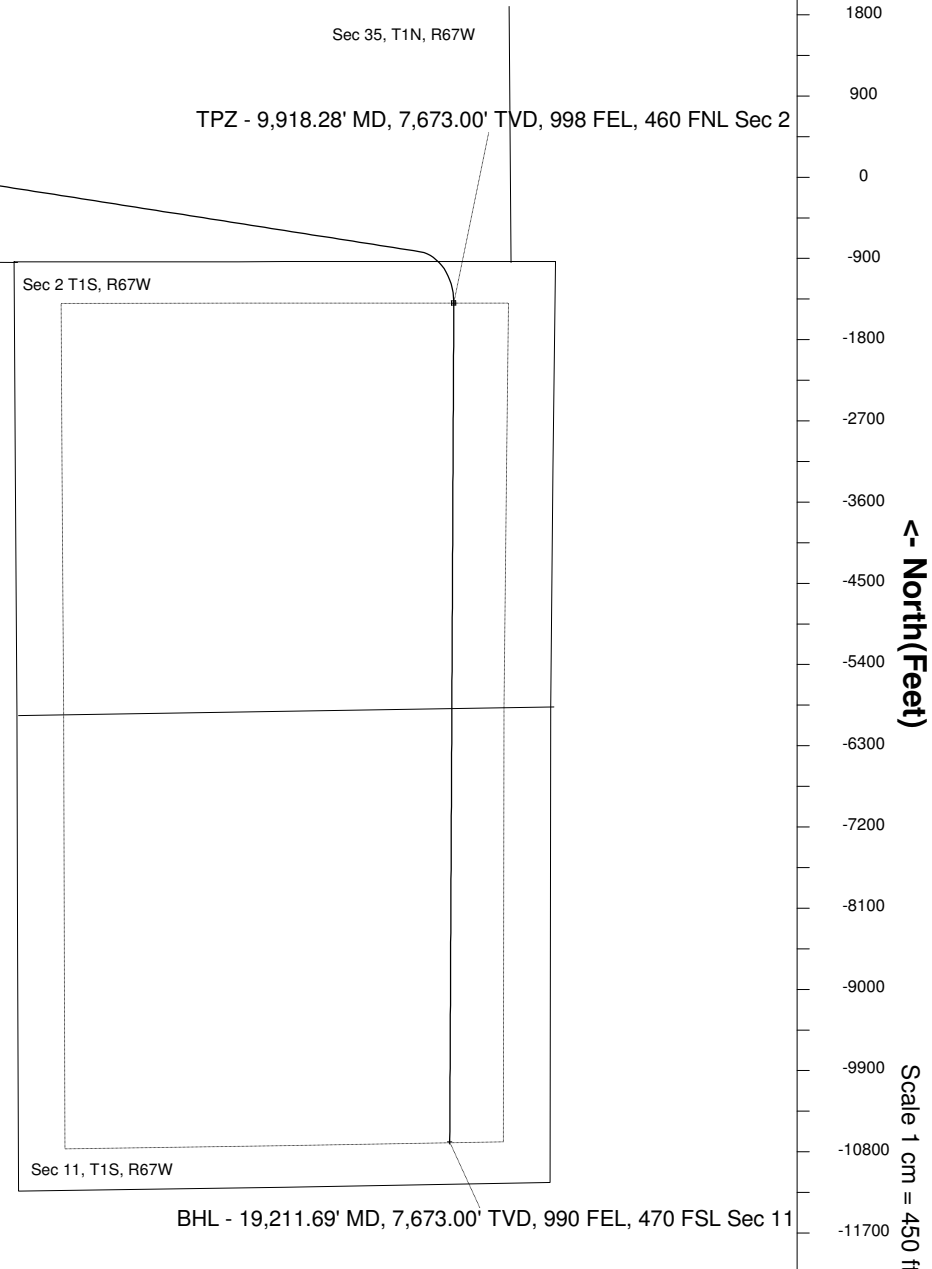
13-Dec-2014
IGRF Model [1900.0-2020.0] Dip: 66.58 deg Field: 52459.7 nT
Lat: N40 0 11.6388 Long: W104 52 6.9096 Elev: 5042.00 ft
Magnetic North is 8.50 deg East of TRUE North
To correct azimuth from Magnetic to TRUE add 8.50 deg



Scale 1 cm = 400 ft

East (Feet) ->

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



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	99.99	1400.00	S 0.00	W 0.00	0.00	0.00
End of Build	2822.75	42.68	99.99	2694.76	S 87.79	E 498.21	9.84	289.90
End of Hold	9084.18	42.68	99.99	7297.66	S 824.42	E 4678.66	0.00	2722.40
Target TPZ - ... Sec 2	9918.28	90.00	180.25	7673.00	S 1395.06	E 5017.34	32.81	3382.67
T.D. & Target BHL... 11	19211.69	90.00	180.25	7673.00	S 10688.38	E 4977.17	0.00	11790.41