

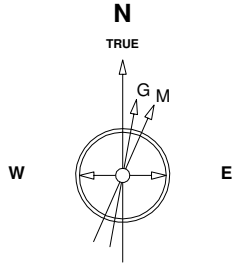
Great Western Operating Company, LLC

Location Colorado
Field Wattenburg
Installation Marcus

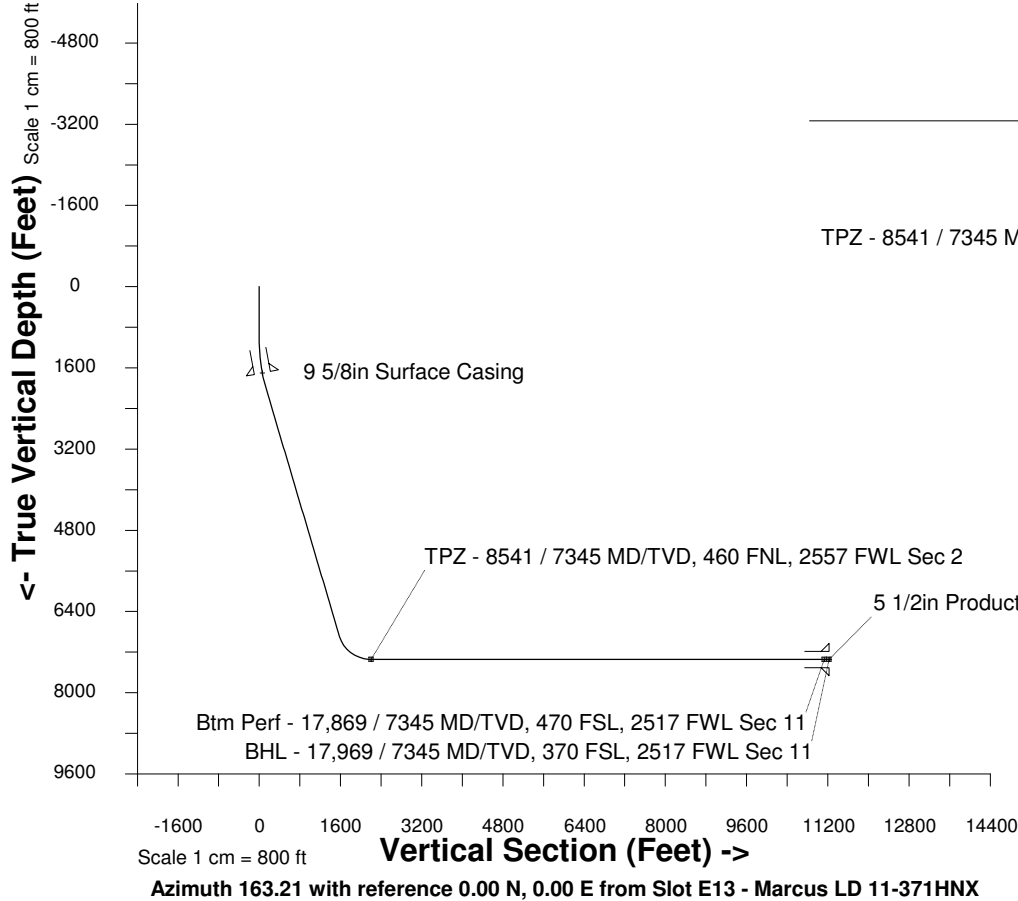
Slot Slot E13 - Marcus LD 11-371HNX
Well Marcus LD 11-371HNX
Wellbore Marcus LD 11-371HNX (PWB)

Created by admin
Date plotted 1-May-2017

Plot reference is Marcus LD 11-371HNX (PWB).
Ref wellpath is Marcus LD 11-371HNX (PWP#1).
Coordinates are in Feet reference Slot E13 - Marcus LD 11-371HNX.
True Vertical Depths are reference Rig Datum.
Measured Depths are reference Rig Datum.
Rig Datum: Planned Datum #1
Rig Datum to Mean Sea Level: 5042.00 ft.
Plot North is aligned to TRUE North.



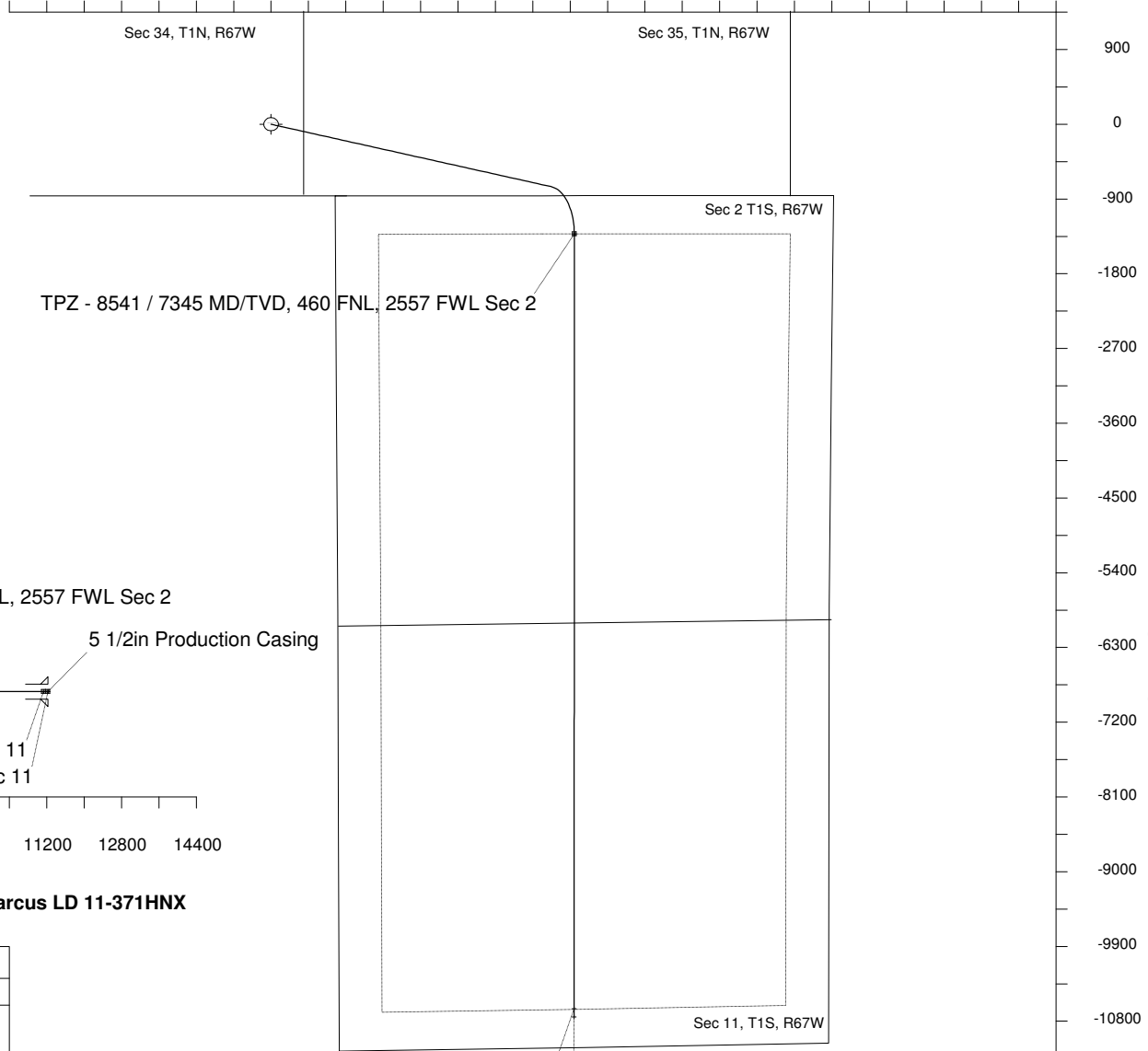
13-Dec-2014
IGRF Model [1900.0-2020.0] Dip: 66.58 deg Field: 52459.7 nT
Lat: N40 0 11.6388 Long: W104 52 6.9096 Elev: 5042.00 ft
Magnetic North is 8.50 deg East of TRUE North
To correct azimuth from Magnetic to TRUE add 8.50 deg



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	0.00	0.00	0.00	0.00	S 0.00	W 0.00		0.00
KOP	1040.00	0.00	104.07	1040.00	S 0.00	W 0.00	0.00	0.00
End of Build	2040.01	30.00	104.07	1994.94	S 62.21	E 248.20	9.84	131.26
End of Hold	7710.65	30.00	104.07	6905.85	S 751.59	E 2998.45	0.00	1585.76
Target TPZ - ... Sec 2	8540.85	90.00	180.01	7345.00	S 1320.33	E 3244.34	32.81	2201.28
Target Btm Pe...Sec 11	17868.77	90.00	180.01	7345.00	S 10648.25	E 3243.31	0.00	11131.19
End of Turn	17868.99	90.00	180.00	7345.00	S 10648.37	E 3243.31	16.40	11131.31
T.D. & Target BHL... 11	17968.87	90.00	180.00	7345.00	S 10748.25	E 3243.31	0.00	11226.93

Btm Perf - 17,869 / 7345 MD/TVD, 470 FSL, 2517 FWL Sec 11

BHL - 17,969 / 7345 MD/TVD, 370 FSL, 2517 FWL Sec 11