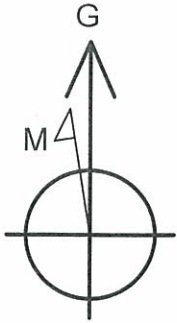
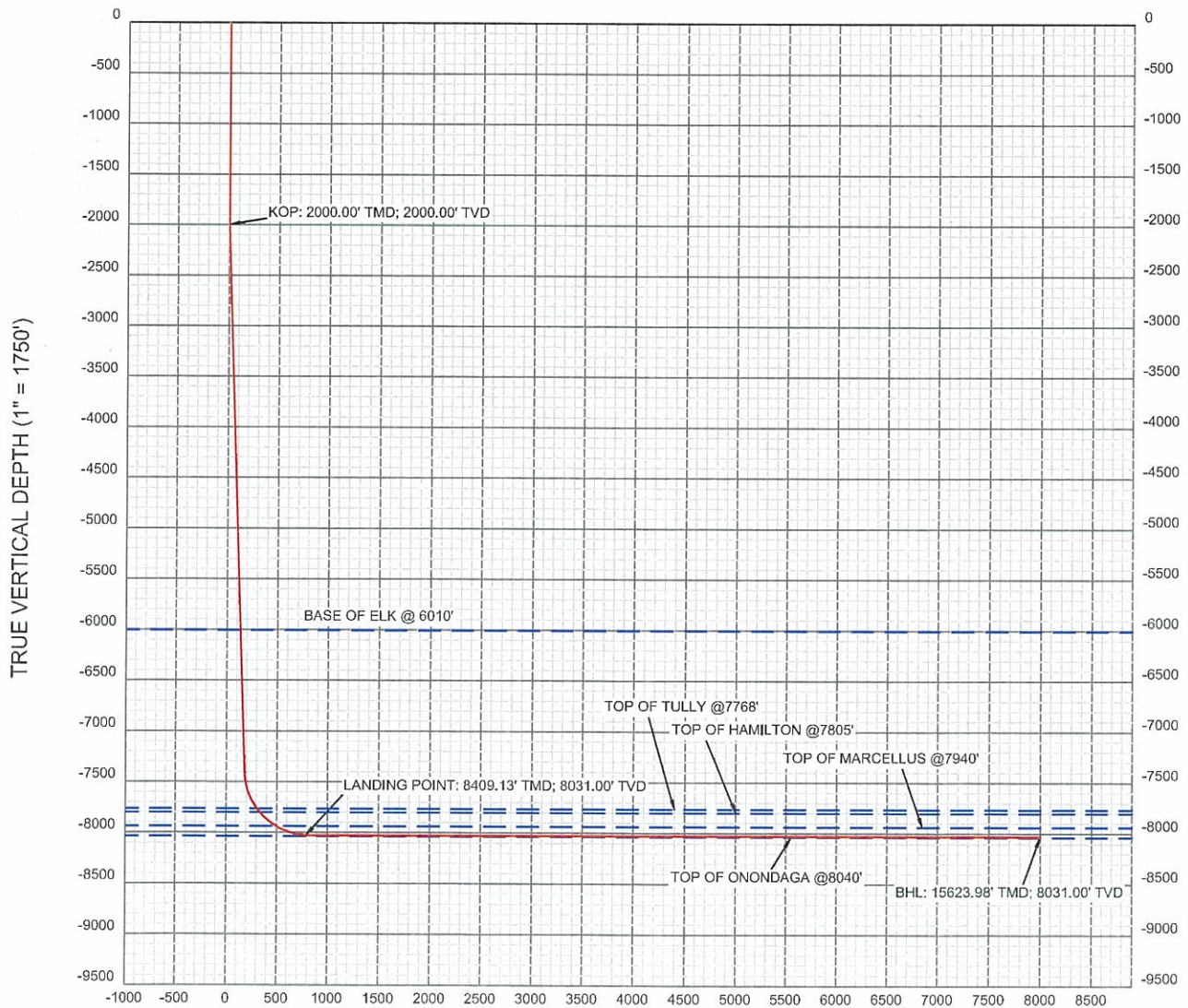


WELL LOCATION PLAT

Page 4 Cross Section

Applicant / Well Operator Name
RICE DRILLING B LLCDEP ID#
268470Well (Farm) Name
THUNDER 1Well #
10Azimuths to Grid North
Magnetic North: -8.98° Magnetic Field
Strength: 52158.6nT
Dip Angle: 66.94°
Date: 05/04/2017
Model: IGRF12

KOP: TVD: <u>2,000.00'</u>	TMD: <u>2,000.00'</u>	LATITUDE (NAD83) <u>39°49'36.05"</u>	LONGITUDE (NAD83) <u>80°16'45.57"</u>
LANDING POINT: TVD: <u>8,031.00'</u>	TMD: <u>8,409.13'</u>	<u>39°49'27.60"</u>	<u>80°16'43.23"</u>
BOTTOM HOLE: TVD: <u>8,031.00'</u>	TMD: <u>15,623.98'</u>	<u>39°48'31.83"</u>	<u>80°15'45.61"</u>

VERTICAL SECTION AT 143.09°