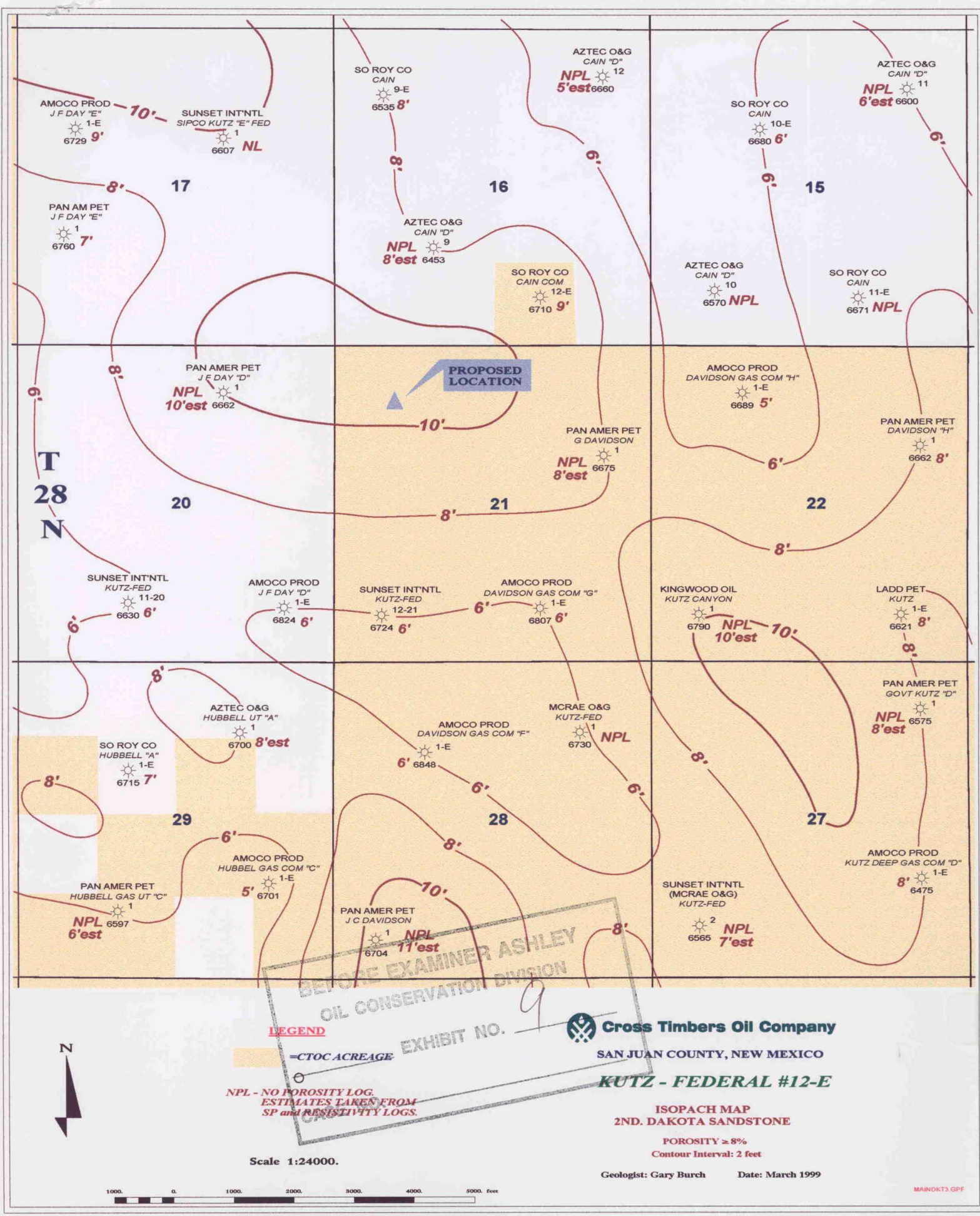




LEGEND

=CTOC ACREAGE
 NPL - NO POROSITY LOG.
ESTIMATES TAKEN FROM
SP and RESISTIVITY LOGS.

Scale 1:24000.



Cross Timbers Oil Company

SAN JUAN COUNTY, NEW MEXICO

KUTZ - FEDERAL #12-E

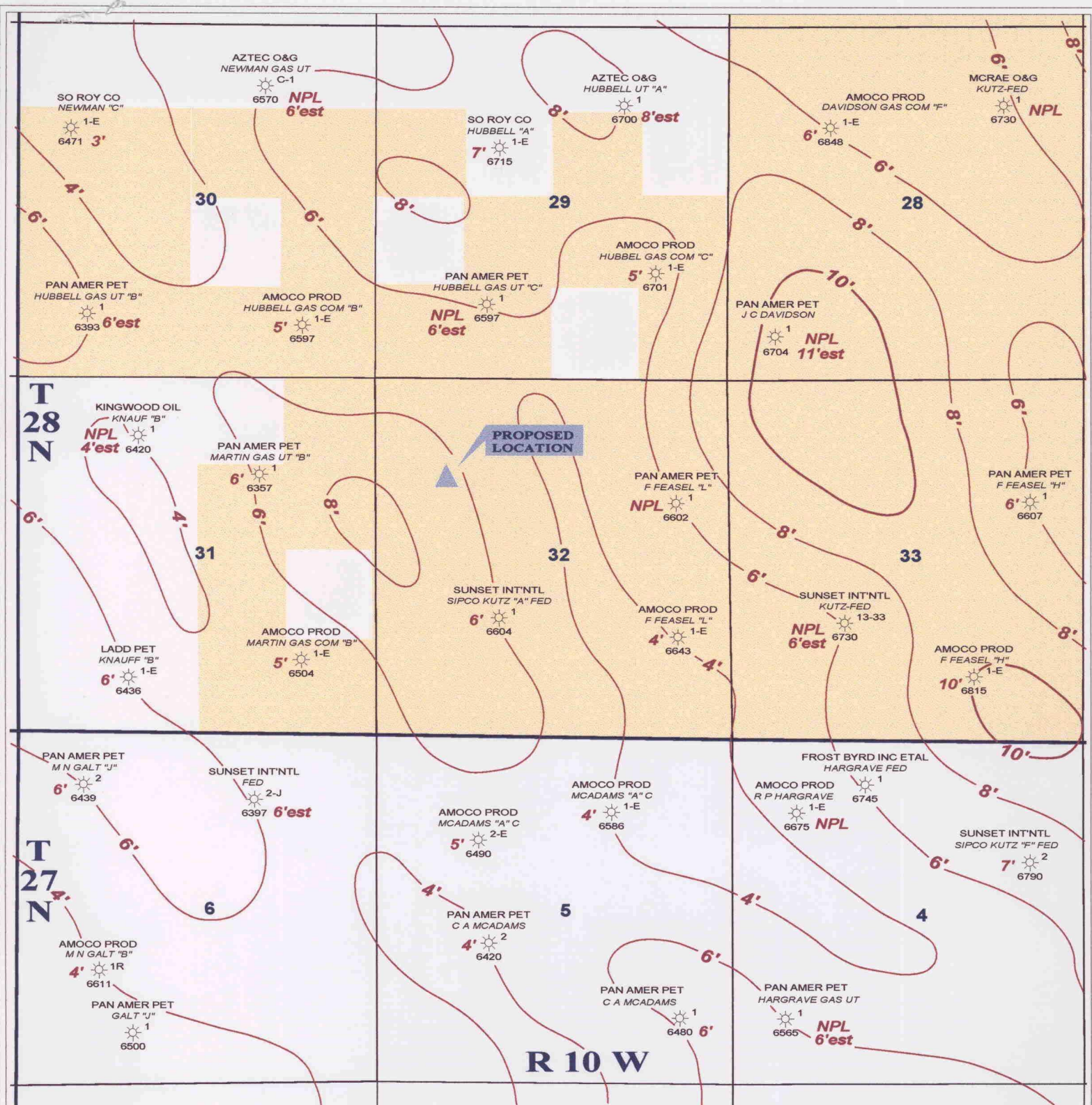
ISOPACH MAP
2ND. DAKOTA SANDSTONE

POROSITY $\geq$ 8%
Contour Interval: 2 feet

Geologist: Gary Burch

Date: March 1999

MAINDKT3.GPF



LEGEND

=CTOC ACREAGE

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SAN JUAN COUNTY, NEW MEXICO

FEDERAL "A" #1-E

ISOPACH MAP

2ND. DAKOTA SANDSTONE

POROSITY ≥ 8%

Contour Interval: 2 feet

Geologist: Gary Burch

Date: March 1999

MAINDKT4.GPF