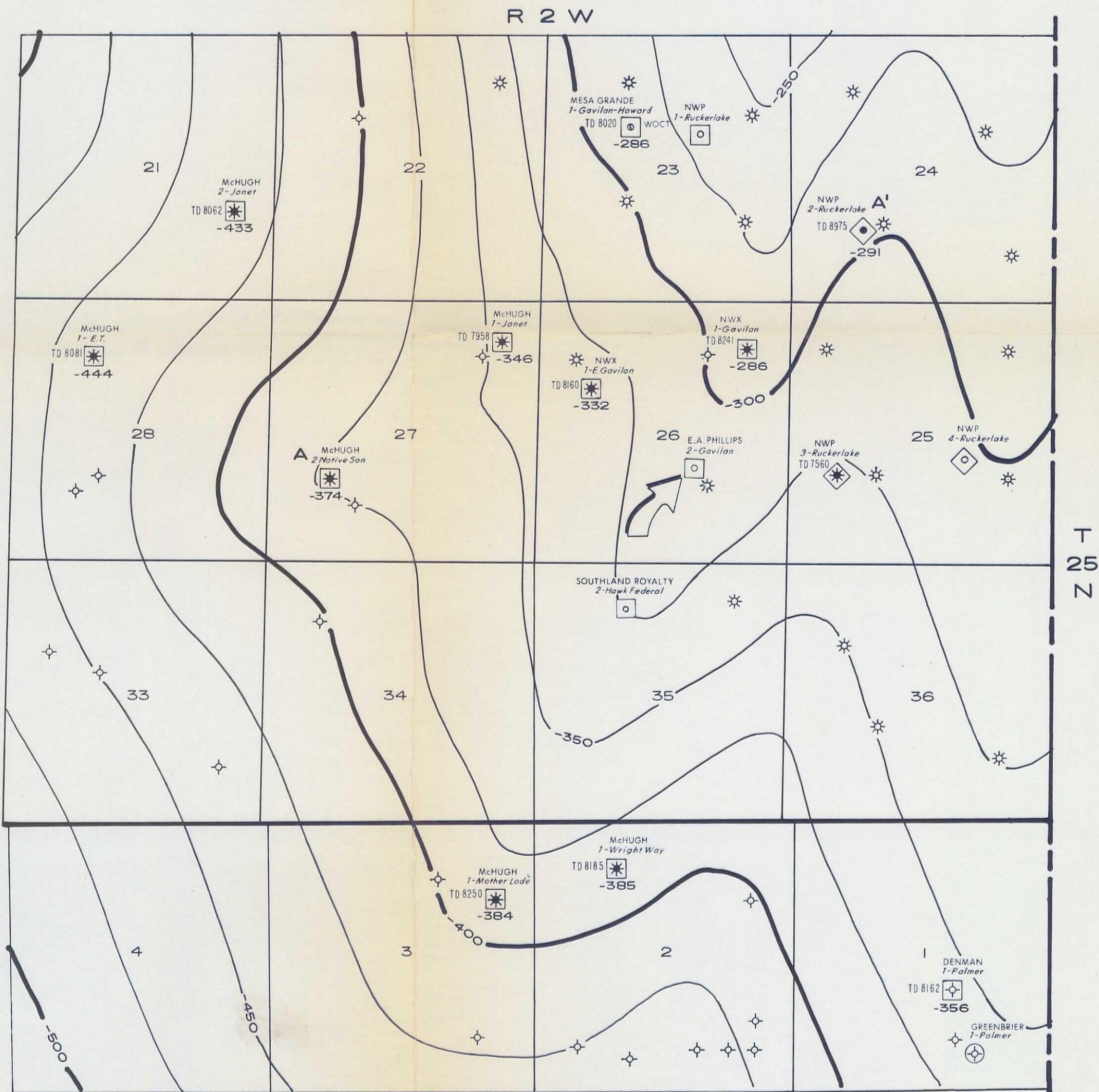
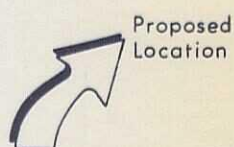




NEW MEXICO OIL & GAS COMMISSION
CASE NO. 8038
EXHIBIT 5

PRODUCTION KEY

- ⊕ D & A
- ⊙ Pictured Cliffs
- ⊙ Mesaverde
- ⊙ Niobrara
- ⊙ Dakota/Niobrara



MESA GRANDE RESOURCES, INC.

GAVILAN AREA
RIO ARRIBA COUNTY, NEW MEXICO

SUBSURFACE STRUCTURE MAP
TOP OF GREENHORN FORMATION

CONTOUR INTERVAL: 25'
SCALE: 1" = 2000'

D. J. ACQUAVIVA
DECEMBER 16, 1983