

MIDWEST LLE STATE NO. 1
DISCOVERY IN BOUGH "A" ZONE

LOCATION: 660' FWL & 2310' FSL of Section 14, T-10-S, R-33-E, Lea County,
New Mexico.

COMPLETION INFORMATION: Set 5½" casing at 9835' and cemented with 265 sax of Incore cement mixed with 265 sax of Diamix "A". Completion was attempted in the Bough "D" Zone at 9782-86. Acidized with 250 gallons and swabbed 4½ barrels of salt water per hour with no show of oil or gas. Squeezed perforations 9782-86 and perforated the Bough "A" Zone 9650-54 with 2 jet shots per foot. Swabbed 15 barrels of fluid per hour, 20-40% oil. Began installing gas lift equipment.

BOTTOM HOLE PRESSURE TEST: Original BHP of the Bough "A" Zone was 3334 PSI @ -5438 datum which is midpoint of perforations. Date of pressure - September 28, 1962. If the pressure is extrapolated back to -5387 (datum of Lane Pool pressures), it would be 3310 PSI.

POTENTIAL TEST: October 8, 1962 - gas lifted 94.18 BO plus 368 BW in 24 hours. G.O.R. 1432, gravity 45.0 degree (corrected)

AVERAGE POROSITY: 5.0% (9650-58 from core analysis)

AVERAGE PERMEABILITY: 14.99 MD (9650-58 from core analysis)

RESERVOIR DATA AND INTERPRETATIONS: What is called the Wolfcamp producing zone in the Lane Pool is correlative to what Midwest calls its Bough "A" Zone in its discovery well in Section 14. It is therefore felt a fair assumption that the reservoir from which Midwest's LLE State No. 1 is producing will perform similar to the Lane Wolfcamp Pool.

ECONOMICS: An average development well drilled to 9850' should cost approximately \$162,000. Assuming the average well to have the same recovery as the average well in the Lane Wolfcamp Pool - (112,800 barrels), the total income per average well would be \$233,496. Subtracting the \$162,000 cost to drill and equip the well, the net profit is \$71,496 per well. It is hoped that more pay and wise and prudent development in this area will result in better return per dollar invested.

BEFORE EXAMINER NUTTER

OIL CONSERVATION COMMISSION

EXHIBIT NO. 8

CASE NO. 2660

*Water sat core unreliable
elec log comp
= 45%*