MOHAWK FIELD - SMACKOVER
T19S-R20W
COLUMBIA COUNTY, ARKANSAS

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MIDROC EXPLORATION COMPANY
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DISCOVERY DATA

EXPLORATION METHOD: Subsurface
WELL: Franks & Petrofunds, Inc. #1 Cartrell Carter et al
LOCATION: Section 29-T19S-R20W
API#: 03-027-10219
TOTAL DEPTH: 10,802’
COMPLETION DATE: November 2, 1973
PERFORATIONS: 10387’-10403’
INITIAL POTENTIAL: Flowed 158 BOPD and 145 MCFGPD; 10/64” choke; TP 1010 psi;
GOR 918:1

NATURE OF TRAP

Mohawk Field is a combination stratigraphic-structural trap. It consists of an east-west striking porosity zone that trends along a structural closure.

STRUCTURE

The Mohawk Field structure is an elongated east-west striking low relief anticlinal ridge approximately one-half mile wide and four miles long with about 75 feet of closure.

STRATIGRAPHY OF RESERVOIR ROCK

The reservoir rock is an oolitic limestone.

OLDEST STRATIGRAPHIC HORIZON PENETRATED

WELL: Carter Oil Co. #1 McMertise School
LOCATION: Section 29-T19S-R20W
TOTAL DEPTH: 11,001’
FORMATION: Smackover
TOP: 10,361’ (-10063’)

RESERVOIR DATA

DEPTH: 10350’-10400’
SPACING: 160 acres
AVERAGE PAY: GROSS 23’
NET 15’
OIL-WATER CONTACT: -10095’
BHT: 210°F
IBHP: 4880 psi
GRAVITY: 46° API
WATER RESISTIVITY: .018 ohms @ 210°F
ESTIMATED ULTIMATE RECOVERY: PER ACRE-FOOT: 171 BO
TOTAL: 1,550,000 BO

DRIVE MECHANISM: Solution gas
PRODUCTIVE ACREAGE: 604 acres
AVERAGE POROSITY: 12%
AVERAGE PERMEABILITY: 100 md
AVERAGE WATER SATURATION: 39%
GOR: 800:1
GAS CONTENT: 1100 BTU/cu. ft.