STATE CORPORATION COMMISSION OF KANSAS, CONSERVATION DIVISION

PRODUCTIVITY TEST
BARREL TEST

OPERATOR Ritchie Expl Inc. LOCATION OF WELL SE SW SW
LEASE Nanette-Hillers OF SEC. 28 T 6 R 20 W
WELL NO. 2 COUNTY Rooks
FIELD Producing FORMATION Arbuckle

Date Taken 12-4-92 Date Effective
Well Depth 3701 Top Prod. Form Arbuckle Perfs Open Hole
Casing: Size 5 1/2 Wt. Depth Acid 10/8/92 - 160 gal.
Tubing: Size 2 3/8 Depth of Perfs 3699 Gravity 28.6 @ 60
Pump: Type Inset Bore 2x1 1/2x12 Purchaser Koch
Well Status Pumping, flowing, etc.

TEST DATA
Permanent Field Special
Flowing Swabbing Pumping X

STATUS BEFORE TEST:
PRODUCED 24 HOURS
SHUT IN HOURS
DURATION OF TEST 1 HOURS 40 MINUTES 0 SECONDS
GAUGES: WATER INCHES 1 PERCENTAGE
OIL INCHES 99 PERCENTAGE
GROSS FLUID PRODUCTION RATE (BARRELS PER DAY) 14.40
WATER PRODUCTION RATE (BARRELS PER DAY) .14
OIL PRODUCTION RATE (BARRELS PER DAY) 13.86 PRODUCTIVITY
STROKES PER MINUTE 8 1/2
LENGTH OF STROKE 44 INCHES
REGULAR PRODUCING SCHEDULE 12 HOURS PER DAY.

COMMENTS

RECEIVED
STATE CORPORATION COMMISSION

DEC 11 1992

WITNESSES:

FOR STATE

FOR OPERATOR

FOR OFFSET