15-163-22709-00-00

STATE CORPORATION COMMISSION OF KANSAS, CONSERVATION DIVISION

Initial Test

PRODUCTIVITY TEST
BARREL TEST

OPERATOR Liberty oper. & Comp. LOCATION OF WELL NW. NE

LEASE Harmon OF SEC. 21 T 6 R 20

WELL NO. 2 COUNTY Rooks

FIELD Todd NE PRODUCING FORMATION Arbuckle

Date Taken Jan. 27. 1986 Date Effective

Well Depth 3700 Top Prod. Form 3674 Perfs

Casing: Size 4 1/2 Wt. Depth 3692 Acid 1000 gal.

Tubing: Size 2 3/8 Depth of Perfs 3680 Gravity 27° @ 60°

Pump: Type Insert Bore 1 1/4 Purchaser Farmland

Well Status
Pumping, flowing, etc.

TEST DATA

Permanent Field Special

Flowing Swabbing Pumping

STATUS BEFORE TEST:

PRODUCED 24 HOURS

SHUT IN 0 HOURS

DURATION OF TEST HOURS 13 MINUTES 0 SECONDS

GAUGES: WATER INCHES 88 PERCENTAGE

OIL INCHES 12 PERCENTAGE

GROSS FLUID PRODUCTION RATE (BARRELS PER DAY) 111.00

WATER PRODUCTION RATE (BARRELS PER DAY) 97.68

OIL PRODUCTION RATE (BARRELS PER DAY) 13.00 PRODUCTIVITY

STROKES PER MINUTE 8

LENGTH OF STROKE 64 INCHES

REGULAR PRODUCING SCHEDULE 24 HOURS PER DAY.

COMMENTS

111
88
888
888
97.68

WITNESSES:

Dale J Balthazor
FOR STATE

Charles D. Farr
FOR OPERATOR

FOR OFFSET

RECEIVED
STATE CORPORATION COMMISSION
FEB 6 1986
CONSERVATION DIVISION