STATE CORPORATION COMMISSION OF KANSAS, CONSERVATION DIVISION

PRODUCTIVITY TEST
BARREL TEST

OPERATOR Liberty Oper. & Corp. LOCATION OF WELL NW NW NW
LEASE Fischl OF SEC. 21 T 6 R 20
WELL NO. 5 COUNTY Rocks
FIELD Todd NE PRODUCING FORMATION Arbuckle
Date Taken Jan. 27, 1986 Date Effective

Well Depth 3750 Top Prod. Form 3689 Perfs
Casing: Size 4 1/2 Wt. Depth 3737 Acid 1000 gal.
Tubing: Size 2 3/8 Depth of Perfs 3723 Gravity 27% 60°
Pump: Type Insert Bore 1 1/4 Purchaser Formland

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 24 MINUTES 0 SECONDS

GAUGES: WATER INCHES 25 PERCENTAGE
OIL INCHES 75 PERCENTAGE

GROSS FLUID PRODUCTION RATE (BARRELS PER DAY) 60.00
WATER PRODUCTION RATE (BARRELS PER DAY) 15.00
OIL PRODUCTION RATE (BARRELS PER DAY) 45.00

PRODUCTIVITY

STROKES PER MINUTE 8
LENGTH OF STROKE 64 INCHES
REGULAR PRODUCING SCHEDULE 24 HOURS PER DAY.

COMMENTS

2 5 60
15 0.0

WITNESSES:

FOR STATE

FOR OPERATOR

RECEIVED
STATE CORPORATION COMMISSION
FEB 6 1938
CONSERVATION DIVISION