STATE CORPORATION COMMISSION OF KANSAS, CONSERVATION DIVISION

PRODUCTIVITY TEST
BARREL TEST

LOCATION OF WELL NW-9E

LEASE #13-33-17 OF SEC. 17 T 6 R 22

WELL NO. 1

COUNTY Graham

FIELD Pem.

PRODUCING FORMATION LKC

Date Taken 7-25-76 Date Effective

Well Depth 3727.333' Top Prod. Form 9.5' Perfs 3742-3750

Casing: Size 4 1/2' Wt. 95' Depth 3727 Acid 800-6-27-76

Tubing: Size 2 3/8' Depth of Perfs 3710 Gravity 35

Pump: Type R/W/C Bore 2 1/4' X 17' Purchaser Inland Cond.

Well Status Pumping

TEST DATA

Permanent X Field Special

Flowing Swabbing Pumping

STATUS BEFORE TEST:

PRODUCED 24 HOURS

SHUT IN 0 HOURS

DURATION OF TEST HOURS 63 MINUTES 0 SECONDS

GAUGES: WATER 0 INCHES 0 PERCENTAGE

OIL 2 3/4 INCHES 100 PERCENTAGE

GROSS FLUID PRODUCTION RATE (BARRELS PER DAY) 25.76

WATER PRODUCTION RATE (BARRELS PER DAY)

OIL PRODUCTION RATE (BARRELS PER DAY) 25.76 PRODUCTIVITY

STROKES PER MINUTE 9

LENGTH OF STROKE 64' INCHES

REGULAR PRODUCING SCHEDULE 24 HOURS PER DAY.

COMMENTS Initial Test:

WITNESSES: Gilbert Baltdsas - Operator

FOR STATE FOR OPERATOR FOR OFFSET

JUL 6 9 1986