PRODUCTIVITY TEST
BARREL TEST

OPERATOR: Thunderbird Oil Co. LOCATION OF WELL: SE-NE-NE
LEASE: Curtiss OF SEC. 27 T 7 R 21 N
WELL NO.: 83 COUNTY: Graham
FIELD: Curtiss PRODUCING FORMATION: LRC

Date Taken: 8-26-87 Date Effective: SEP 1 1987

Well Depth: 3775 ft Top Prod. Form: 3463 ft Perfs: 3463 to 3470 ft
Casing: Size: 5 1/2 in Wt.: 14 lbs Depth: 3775 ft Acid: 3000 - 8-17-87
Tubing: Size: 2 3/4 in Depth of Perfs: 3645 ft Gravity: 32.5
Pump: Type: DMS Bore: 1 1/2 in Purchaser: Clear Creek

Well Status: Pumping, flowing, etc.

TEST DATA

Permanent Field Special
Flowing Swabbing Pumping

STATUS BEFORE TEST:
Produced: ___ HOURS
Shut In: ___ HOURS

DURATION OF TEST: 21 MINUTES 30 SECONDS

GAUGES: WATER: ___ INCHES 10 PERCENTAGE
Oil: ___ INCHES 90 PERCENTAGE

GROSS FLUID PRODUCTION RATE (BARRELS PER DAY) 67
WATER PRODUCTION RATE (BARRELS PER DAY) 6.70
OIL PRODUCTION RATE (BARRELS PER DAY) 60.30

PRODUCTIVITY
STROKES PER MINUTE 8
LENGTH OF STROKE 48 INCHES

REGULAR PRODUCING SCHEDULE: 24 HOURS PER DAY.

COMMENTS:

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WITNESSES:

FOR STATE: Julius P. Haider

FOR OPERATOR: M.E. Weller

SEP 2 1987
Wichita, Kansas