STATE CORPORATION COMMISSION OF KANSAS, CONSERVATION DIVISION

PRODUCTIVITY TEST
BARREL TEST

Initial Test

OPERATOR Double "K" Oil Co Inc. LOCATION OF WELL N 90' E 4 N 2
LEASE VAP "B" OF SEC. 21 T 1 R 33
WELL NO. 1-321 COUNTY Rawlins
FIELD PRODUCING FORMATION K.C.

Date Taken October 27, 1986 Date Effective 11-1-86
Well Depth 4140 Top Prod. Form 3856 Perfs 3954 60
Casing: Size 4 1/2 Wt. 4120 Depth 9120 Acid 300 gal
Tubing: Size 2 3/8 Depth of Perfs 3980 Gravity 37
Pump: Type Inst. Bore 1 1/2 Purchaser Clear Creek

Well Status: Pumping, flowing, etc.

TEST DATA

Permanent Field Special

STATUS BEFORE TEST:

Produced 24 Hours
Shut In 0 Hours

DURATION OF TEST 33 MINUTES 0 SECONDS

GAUGES: WATER INCHES 33 PERCENTAGE
OIL INCHES 67 PERCENTAGE

GROSS FLUID PRODUCTION RATE (BARRELS PER DAY) 43.50
WATER PRODUCTION RATE (BARRELS PER DAY) 14.26
OIL PRODUCTION RATE (BARRELS PER DAY) 29.24

PRODUCTIVITY

STROKES PER MINUTE 7 1/2
LENGTH OF STROKE 5 1/2 INCHES

REGULAR PRODUCING SCHEDULE 24 HOURS PER DAY.

COMMENTS:

43 5
33 67
130 30 45
14 3 1 2
24 45 29.4 5

WITNESSES:

FOR STATE

FOR OPERATOR

FOR OFFSET

Oct 31, 1986