STATE CORPORATION COMMISSION OF KANSAS, CONSERVATION DIVISION

PRODUCTIVITY TEST
BARREL TEST

OPERATOR: Biechel Exp Inc. LOCATION OF WELD: 106, 5-6 S 6-SE
LEASE: Griffey 186 OF SEC: 18 6 E R 22
WELL NO.: 1 COUNTY: Graham
FIELD: Pm. PRODUCING FORMATION: LKC.

Date Taken: 10/27/86 Date Effective: 12-1-86
Well Depth: 3904 Top Prod. Form: 3777 Perfs: 3777 3777
Casing: Size: 4 3/8 Wt: Depth: 3777 Acid: 1500
Tubing: Size: 2 7/8 Depth of Perfs: 3872 Gravity: 38.6
Pump: Type: Insert Bore: 2X1 1/2X1.2 Purchaser: Koch

Well Status: Pumping

TEST DATA

Permanent Field Special
Flowing Swabbing Pumping

STATUS BEFORE TEST:

PRODUCED 24 HOURS
SHUT IN 0 HOURS

DURATION OF TEST HOURS MINUTES SECONDS

GAUGES: WATER 0 INCHES 0 PERCENTAGE
OIL 25 INCHES 100 PERCENTAGE

GROSS FLUID PRODUCTION RATE (BARRELS PER DAY) 41
WATER PRODUCTION RATE (BARRELS PER DAY) 0
OIL PRODUCTION RATE (BARRELS PER DAY) 41

PRODUCTIVITY

STROKES PER MINUTE 9
LENGTH OF STROKE 34 INCHES

REGULAR PRODUCING SCHEDULE 24 HOURS PER DAY.

COMMENTS: Initial Test

WITNESSES:

FOR STATE: FOR OPERATOR: FOR OFFSET

NOV 5 1986