STATE CORPORATION COMMISSION OF KANSAS, CONSERVATION DIVISION

PRODUCTIVITY TEST
BARREL TEST

OPERATOR: Pencaadian Petro
LOCATION OF WELL: C-NW-NW

LEASE: White 11-20
OF SEC. 20 T 6 R 22

WELL NO.: #4
COUNTY: Graham

FIELD: Penn
PRODUCING FORMATION: LWC

Date Taken: 7-25-86
Date Effective: 4-07-86

Well Depth: 4031 ft
Top Prod. Form: 9622
Perfs: 9774-3802

Casing: Size: 4 1/2
Wt: 95
Depth: 4074 acid 2730 gal 2-17-86

Tubing: Size: 2 3/4
Depth of Perfs: 3015
Gravity: 38

Pump: Type: AVAC
Bore: 2 1/2 x 16
Purchaser: Nash

Well Status: Pumping
Pumping, flowing, etc.

TEST DATA
Permanent X Field Special

STATUS BEFORE TEST:
Produced 34 Hours
Shut In 0 Hours

DURATION OF TEST
23 MINUTES 23 SECONDS

GAUGES: WATER 59 INCHES 1 PERCENTAGE
OIL 24 3/4 INCHES 99 PERCENTAGE

GROSS FLUID PRODUCTION RATE (BARRELS PER DAY): 66.45
WATER PRODUCTION RATE (BARRELS PER DAY): 166
OIL PRODUCTION RATE (BARRELS PER DAY): 65.79

PRODUCTIVITY
STROKES PER MINUTE: 9
LENGTH OF STROKE: 44 INCHES

REGULAR PRODUCING SCHEDULE: 24 HOURS PER DAY.

COMMENTS: Initial Test

WITNESSES:
FOR STATE: REBECCA BROOKS
FOR OPERATOR: JAMES SMITH
FOR OFFSET: JUL 29 1986