

STATE CORPORATION COMMISSION OF KANSAS, CONSERVATION DIVISION

PRODUCTIVITY TEST
BARREL TEST

OPERATOR Frontier Oil LOCATION OF WELL SW-9W-SW
 LEASE Clark A OF SEC. 17 T 12 R 33
 WELL NO. #1 COUNTY Logan
 FIELD Unnamed PRODUCING FORMATION Lansing + Johnson
 Date Taken 10-6-1989 Date Effective OCT 1 1989
 Well Depth 4800 Top Prod. Form Perm 4642 Perfs 4290-4294
 Casing: Size 4 1/2 Wt. 10 1/2 Depth 4790 Acid _____
 Tubing: Size 2 7/8 Depth of Perfs _____ Gravity 36
 Pump: Type Insert Bore 2 x 1 1/2 x 12 Purchaser _____
 Well Status Pumping flowing, etc.

TEST DATA

Permanent X Field _____ Special _____
 Flowing _____ Swabbing _____ Pumping X

STATUS BEFORE TEST:

PRODUCED 24 HOURS
 SHUT IN 0 HOURS

DURATION OF TEST _____ HOURS 50 MINUTES _____ SECONDS

GAUGES: WATER 17 1/2 INCHES 70 PERCENTAGE
 OIL 7 1/2 INCHES 30 PERCENTAGE

GROSS FLUID PRODUCTION RATE (BARRELS PER DAY) 28.5
 WATER PRODUCTION RATE (BARRELS PER DAY) 20.5
 OIL PRODUCTION RATE (BARRELS PER DAY) 8.5 PRODUCTIVITY

STROKES PER MINUTE 6 1/2
 LENGTH OF STROKE 54 INCHES

OCT 11 1989

REGULAR PRODUCING SCHEDULE 24 HOURS PER DAY. COM. DIVISION

COMMENTS _____

WITNESSES:

Gilbert Balthazar FOR STATE
Paul Padon FOR OPERATOR
 _____ FOR OFFSET