(EL PASO)

NEW MEXICO OIL CONSERVATION COMMISSION

Initial Deliverability Test

# GAS WELL TEST DATA SHEET — SAN JUAN BASIN

(TO BE USED FOR FRUITLAND, PICTURED CLIFFS, MESAVERDE & ALL DAKOTA EXCEPT BARKER DOME STORAGE AREA)

86044 Pool BLANCO Lease SAN JUAN 29 6 25 No. 3

Formation MV Unit L S 25 T 29 R 06 Pay Zone 5082 to 5716 Cty. RA

Casing - OD 7000 Wt. 2300 Set at 5079 Tubing - OD 2000 Wt. 0470 L 5691 (T. Perf.)

Operator EL PASO NATURAL GAS CO. Purchasing Pipeline EL PASO NATURAL GAS CO.

## OBSERVED DATA

Period of Test Flow: From 042960 To 050760

S.I.P. Measured: ~~112269~~ 112259

Prod. String: O.D. 2.000

Deadweight Flowing Pressure, psia: Casing _____ (a) Tubing _____ (b) Meter _____ (c)

Wt. 4.70

Flowing Pressure, psia: Chart _____ (d)

Deadweight Shut-in Pressure, psia: Tubing 790 (k) Casing 797 (j)

Length 5691

Meter Error: 0 (e)

Friction Loss: 0 (f)

7 Day Avg. Flowing Pres., psia: Chart 490 (g) Corrected 490 (h)

## FRICTION CALCULATION

Grav. .691 $P_t$ = 490 (i) GL = 3932 $(1-e^{-s})$ = .249

$(F_cQ)^2$ = 1988 $(1-e^{-s})(F_cQ)^2 = R^2$ = 495 $P_t^2$ = 240100 $P_w^2$ = 240595

## FLOW RATE CALCULATION

$$Q = \underset{\text{(integrated)}}{150} \times \left[\sqrt{\frac{(c)}{(d)}} \quad 1.0000 = 1.0000\right] = 150$$

## DELIVERABILITY CALCULATION

$$D = Q \quad 150 \times \left(\left[\frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} = 1.2205\right]^N = 1.1611\right) = 174$$

Replaced Tubing Mandrel.

RECEIVED
JUN 9 1960
OIL CON. COM.
DIST.

SUMMARY

$P_c$ = 790

Q = 150

$P_w$ = 491

$P_d$ = 395

D = 174

D at 250 or 500 143

Note:
250# for P.C.
500# for M.V.

144

Company EL PASO NATURAL GAS CO.

By H. L. KENDRICK

Title GAS ENGINEER

Witnessed By _____

Company _____