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)

72677 Pool BLANCO Lease SAN JUAN 29 6 30 No. 63

Formation MV Unit A S 30 T 29 R 06 Pay Zone 4946 to 5626 Cty. RA

Casing - OD 5500 Wt. 1550 Set at 5697 Tubing - OD 2000 Wt. 0470 L 4960 (T. Perf.)

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

## OBSERVED DATA

Period of Test Flow: From 103060 To 110760

S.I.P. Measured: 090960

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 1080 (k) Casing 550 (j)

Length 4960

Meter Error: 0 (e)

Friction Loss: 0 (f)

7 Day Avg. Flowing Pres., psia: Chart 526 (g) Corrected 526 (h)

## FRICTION CALCULATION

Grav. .684

$P_t$ = 526 (i)

GL = 3393

$(1-e^{-s})$ = .219

$(F_cQ)^2$ = 177502

$(1-e^{-s})(F_cQ)^2 = R^2$ = 38873

$P_t^2$ = 276676

$P_w^2$ = 315549

## FLOW RATE CALCULATION

$Q = \underset{\text{(integrated)}}{1417} \times \left[\sqrt{\frac{(c)}{(d)}} \quad 1.0000 = 1.0000\right] = 1417$

## DELIVERABILITY CALCULATION

$D = Q \quad 1417 \times \left[\frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} = 1.0281\right]^N = 1.0210 \quad 1447$

RECEIVED
DEC 5 1960
OIL CON. COM.
DIST. 3

SUMMARY

$P_c$ = 1080

Q = 1417

$P_w$ = 562

$P_d$ = 540

D = 1447

D at 250 or 500 1434

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

1435

Company EL PASO NATURAL GAS CO.

By H. L. KENDRICK

Title GAS ENGINEER

Witnessed By _____

Company _____


DEC 5 1980
DIST. 3