Form C-122-A
(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)

72837 Pool BLANCO Lease SAN JUAN 27 5 MV No. 54

Formation MV Unit L S 31 T 27 R 05 Pay Zone 4886 to 5490 Cty. RA

Casing - OD 5500 Wt. 1550 Set at 5543 Tubing - OD 2000 Wt. 0470 L 5427 (T. Perf.)

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

## OBSERVED DATA

| Period of Test Flow | | S.I.P. Measured | Prod. String |
|---|---|---|---|
| From 030661 | To 031461 | 120260 | O.D. 2.000 |

Deadweight Flowing Pressure, psia

Casing _____ (a) Tubing _____ (b) Meter _____ (c) Wt. 4.70

| Flowing Pressure, psia | Deadweight Shut-in Pressure, psia | | |
|---|---|---|---|
| Chart _____ (d) | Tubing 1068 (k) | Casing 944 (j) | Length 5427 |

Meter Error: 0 (e) Friction Loss: 0 (f) 7 Day Avg. Flowing Pres., psia: Chart 616 (g) Corrected 616 (h)

## FRICTION CALCULATION

Grav. .669 $P_t$ = 616 (i) GL = 3631 $(1-e^{-s})$ = .232

$(F_cQ)^2$ = 82319 $(1-e^{-s})(F_cQ)^2 = R^2$ = 19098 $P_t^2$ = 379456 $P_w^2$ = 398554

## FLOW RATE CALCULATION

$$Q = \underset{\text{(integrated)}}{965} \times \left[\sqrt{\frac{(c)}{(d)}} \quad 1.0000 = 1.0000\right] = 965$$

## DELIVERABILITY CALCULATION

$$D = Q \quad 965 \times \left(\left[\frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} = 1.1528\right]^N = 1.1125\right) = 1074$$

SUMMARY

$P_c$ = 1068

Q = 965

$P_w$ = 631

$P_d$ = 534

D = 1074

D at 250 or 500 1074

1074

Note:
250 ± for P.C.
500 ± for M.V.

Company EL PASO NATURAL GAS CO.

By H. L. KENDRICK

Title GAS ENGINEER

Witnessed By _____

Company _____