

NEW MEXICO OIL CONSERVATION COMMISSION

GAS WELL TEST DATA SHEET — SAN JUAN BASIN

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

Pool BLANCO MV Lease HOWELL A No. 1
 Formation M V Unit G S 08 T 30 R 08 Pay Zone 4890 to 5550 Cty. SJ
 Casing - OD 7000 Wt. 2000 Set at 4785 Tubing - OD 2000 Wt. 470 L 5415 (T. Perf.)
 Operator EL PASO NATURAL GAS CO. Purchasing Pipeline EL PASO NATURAL GAS CO.

OBSERVED DATA

Period of Test Flow
 From 10957 To 11757 S.I.P. Measured 12457 Prod. String O.D. 2.000
 Deadweight Flowing Pressure, psia
 Casing 277 (a) Tubing 544 (b) Meter 535 (c) Wt. 4.70
 Flowing Pressure, psia
 Chart 517 (d) Tubing 814 (k) Casing 457 (j) Length 5415
 Deadweight Shut-in Pressure, psia

Meter Error
18 (e)

Friction Loss
9 (f)

7 Day Avg. Flowing Pres., psia
 Chart 511 (g) Corrected 529 (h)

FRICITION CALCULATION

Grav. .690 $P_i =$ 538 (i) GL = 3736 $(1-e^{-s}) =$.238

$(F_c Q)^2 =$ 43073 $(1-e^{-s})(F_c Q)^2 = R^2 =$ 10251 $P_i^2 =$ 289444 $P_w^2 =$ 299695

FLOW RATE CALCULATION

$Q =$ 686 (integrated) $\times \sqrt{\frac{(c)}{(d)}} = \frac{1.03}{1.0173} =$ 698

DELIVERABILITY CALCULATION

$D = Q$ 698 $\times \left(\frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} \right)^N = \frac{1.36}{1.2658} =$ 884

SUMMARY

$P_c =$ 814
 $Q =$ 698
 $P_w =$ 547
 $P_d =$ 407
 $D =$ 884

D at 250 or 500 0722

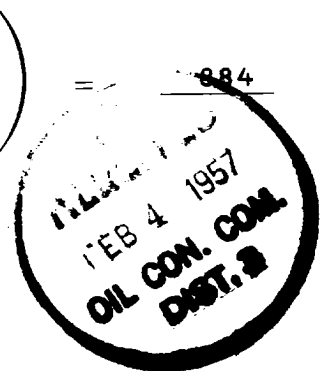
Note:
 250 $\pm$ for P.C.
 500 $\pm$ for M.V.

Company El Paso Natural Gas Co.

By L. D. Galloway
 Title Sr. Gas Engineer

Witnessed By _____

Company _____



OK

