

GAS WELL TEST DATA SHEET — SAN JUAN BASIN

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

Initial
Deliverability Test

0270 Pool BLANCO Lease RUSSELL No. 2
 Formation MV Unit M S 25 T 28 R 08 Pay Zone 4458 to 4694 Cty. SJ
 Casing - OD 5000 Wt. 1500 Set at 6884 Tubing - OD 2000 Wt. 0470 L 4679 (T. Perf.)
 Operator EL PASO NATURAL GAS CO. Purchasing Pipeline EL PASO NATURAL GAS CO.

OBSERVED DATA

Period of Test Flow
 From 021861 To 022661 S.I.P. Measured 082660 Prod. String O.D. 2.000
 Deadweight Flowing Pressure, psia
 Casing (a) Tubing (b) Meter (c) Wt. 4.70
 Flowing Pressure, psia
 Chart (d) Tubing 977 (k) Casing 975 (j) Length 4679
 Deadweight Shut-in Pressure, psia

Meter Error
0 (e)

Friction Loss
0 (f)

7 Day Avg. Flowing Pres., psia
 Chart 555 (g) Corrected 555 (h)

FRICTION CALCULATION

Grav. .732 $P_t =$ 555 (i) $GL =$ 3425 $(1-e^{-s}) =$.220

$(F_c Q)^2 =$ 2739 $(1-e^{-s})(F_c Q)^2 = R^2 =$ 603 $P_t^2 =$ 308025 $P_w^2 =$ 308628

FLOW RATE CALCULATION

$Q =$ 176 (integrated) $\times \sqrt{\frac{(c)}{(d)} \frac{1.0000}{1.0000}} =$ 1.0000 $=$ 176

DELIVERABILITY CALCULATION

$D = Q$ 176 $\times \left(\frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} \right)^N =$ 1.1076 $=$ 1.0796 $=$ 190

SUMMARY

$P_c =$ 977
 $Q =$ 176
 $P_w =$ 556
 $P_d =$ 489
 $D =$ 190

D at 250 or 500 185

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

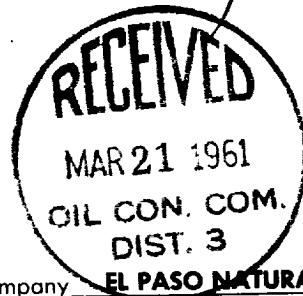
Company EL PASO NATURAL GAS CO.

By H. L. KENDRICK

Title GAS ENGINEER

Witnessed By _____

Company _____



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