

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

74831 Pool BALLARD Lease CANYON LARGO No. 81
 Formation PC Unit K S 34 T 25 R 07 Pay Zone 2606 to 2658 Cty. RA
 Casing - OD 9500 Wt. 1550 Set at 2699 Tubing - OD 2000 Wt. 0470 L 2598 (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 081559 To 082259 050559 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 638 (k) Casing 638 (j) Length 2598

Meter Error Friction Loss 7 Day Avg. Flowing Pres., psia
0 (e) 0 (f) Chart 235 (g) Corrected 235 (h)

FRICTION CALCULATION

Grav. .711 $P_t =$ 235 (i) GL = 1847 $(1-e^{-s}) =$.126

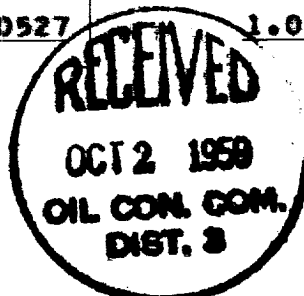
$(F_c Q)^2 =$ 490667 $(1-e^{-s})(F_c Q)^2 = R^2 =$ 61824 $P_t^2 =$ 55225 $P_w^2 =$ 117049

FLOW RATE CALCULATION

$Q =$ 2356 X $\sqrt{\frac{(c)}{(d)}} = \frac{1.0000}{1.0000} =$ 2356
 (integrated)

DELIVERABILITY CALCULATION

$D = Q$ 2356 X $\left(\frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} \right)^N = \frac{1.0527}{1.0446} =$ 2461



SUMMARY

$P_c =$ 638 D at 250 or 500 2279 Company EL PASO NATURAL GAS CO.
 $Q =$ 2356 Note: By H. L. KENDRICK
 $P_w =$ 342 250 # for P.C. Title GAS ENGINEER
 $P_d =$ 319 500 # for M.V. Witnessed By
 $D =$ 2461 2353 Company

ALL INFORMATION CONTAINED HEREIN IS UNCLASSIFIED
DATE 10-15-1980 BY SP-6 JWS/STW



U.S. GOVERNMENT PRINTING OFFICE: 1975

10-15-1980

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