

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)Initial
Deliverability Test
04/22/60

71127 Pool BLANCO MV Lease RINCON UNIT No. 23
 Formation MV Unit M S 22 T 27 R 06 Pay Zone 4793 to 5485 Cty. RA
 Casing - OD 7000 Wt. 2000 Set at 4745 Tubing - OD 2000 Wt. 0470 L 5425 (T. Perf.)
 Operator EL PASO NATURAL GAS CO. Purchasing Pipeline EL PASO NATURAL GAS CO.

OBSERVED DATA

Period of Test Flow
 From 042160 To 042960 S.I.P. Measured 092300⁵⁹ Prod. String O.D. 7.000
 Deadweight Flowing Pressure, psia
 Casing (a) Tubing (b) Meter (c) Wt. 20.00
 Flowing Pressure, psia
 Chart (d) Tubing 824 (k) Casing 824 (j) Length 4745
 Deadweight Shut-in Pressure, psia

Meter Error 0 (e) Friction Loss 0 (f) 7 Day Avg. Flowing Pres., psia
 Chart 335 (g) Corrected 335 (h)

FRICTION CALCULATION

Grav. .606 $P_t =$ 555 (i) $GL =$ 3255 $(1-e^{-s}) =$.211

$(F_c Q)^2 =$ 131 $(1-e^{-s})(F_c Q)^2 = R^2 =$ 28 $P_t^2 =$ 308025 $P_w^2 =$ 308025

FLOW RATE CALCULATION

$Q =$ 541 (integrated) $\times \sqrt{\frac{(c)}{(d)}} = \frac{1.0000}{1.0000} =$ 541

DELIVERABILITY CALCULATION

$D = Q$ 541 $\times \left[\frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} \right]^N =$ 1.3672 $=$ 684

SUMMARY

$P_c =$ 826 D at 250 or 500 590 Company EL PASO NATURAL GAS CO.
 $Q =$ 541 Note: 250# for P.C. By M. L. KENDRICK
 $P_w =$ 555 500# for M.V. Title GAS ENGINEER
 $P_d =$ 413 Witnessed By _____
 $D =$ 684 591 Company _____

