

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

7012.1 Pool BLANCO MV Lease ATLANTIC B No. 3
 Formation MV Unit L S 04 T 30 R 10 Pay Zone 4595 to 5400 Cty. SJ
 Casing - OD 7000 Wt. 2600 Set at 4550 Tubing - OD 2000 Wt. 0470 L 4700 (T. Perf.)
 Operator EL PASO NATURAL GAS CO. Purchasing Pipeline EL PASO NATURAL GAS CO.

OBSERVED DATA

Period of Test Flow
 From 040760 To 041560 S.I.P. Measured 081469 Prod. String O.D. 2.000
081459
 Deadweight Flowing Pressure, psia
 Casing _____ (a) Tubing _____ (b) Meter _____ (c) Wt. 4.70
 Flowing Pressure, psia Deadweight Shut-in Pressure, psia
 Chart _____ (d) Tubing 647 (k) Casing 1031 (j) Length 4700
 Meter Error 0 (e) Friction Loss 0 (f) 7 Day Avg. Flowing Pres., psia 454 (g) Corrected 454 (h)

FRICTION CALCULATION

Grav. .684 $P_t =$ 454 (i) GL = 3215 $(1-e^{-s}) =$.208

$(F_c Q)^2 =$ 28516 $(1-e^{-s})(F_c Q)^2 = R^2 =$ 5931 $P_t^2 =$ 206116 $P_w^2 =$ 212047

FLOW RATE CALCULATION

$Q =$ 568 $\times \sqrt{\frac{(c)}{(d)}} = \frac{1.0000}{1.0000} =$ 568
 (integrated)

DELIVERABILITY CALCULATION

$D = Q$ 568 $\times \left(\frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} \right)^N = \frac{1.5183}{1.3677} =$ 777

SUMMARY

 $P_c =$ 647D at 250 or 500 451Company EL PASO NATURAL GAS CO. $Q =$ 568

Note:

By H. L. KENDRICK $P_w =$ 460

250# for P.C.

Title GAS ENGINEER $P_d =$ 324

500# for M.V.

Witnessed By _____

 $D =$ 777454

Company _____



