

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

72819 Pool BLANCO Lease SAN JUAN 27 4 No. 27
 Formation MV Unit N S 33 T 27 R 04 Pay Zone 6176 to 6304 Cty. RA
 Casing - OD 5500 Wt. 1550 Set at 6370 Tubing - OD 2000 Wt. 0470 L 6277 (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 020661 To 021461 102760 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 1206 (k) Casing 1196 (j) Length 6277

Meter Error

0 (e)

Friction Loss

0 (f)

7 Day Avg. Flowing Pres., psia

Chart 548 (g) Corrected 548 (h)

FRICTION CALCULATION

Grav. .669 $P_t =$ 548 (i) $GL =$ 4199 $(1-e^{-x}) =$.263

$(F_c Q)^2 =$ 21837 $(1-e^{-x})(F_c Q)^2 = R^2 =$ 5743 $P_t^2 =$ 300304 $P_w^2 =$ 306047

FLOW RATE CALCULATION

$Q =$ 497 $\times \sqrt{\frac{(c)}{(d)} \frac{1.0000}{1.0000}} =$ 497

DELIVERABILITY CALCULATION

$D = Q$ 497 $\times \left(\frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} \right)^N =$.9498 $=$.9621 $=$ 478

SUMMARY

 $P_c =$ 1206 $Q =$ 497 $P_w =$ 553 $P_d =$ 603 $D =$ 478

D at 250 or 500

509

Note:

250 # for P.C.

500 # for M.V.

By H. L. KENDRICKTitle GAS ENGINEER

Witnessed By _____

Company _____

Company EL PASO NATURAL GAS CO.509

