

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

72577 Pool BLANCO Lease SAN JUAN 28 4 30 No. 20
 Formation MV Unit M S 30 T 28 R 04 Pay Zone 5876 to 6032 Cty. RA
 Casing - OD 5500 Wt. 1550 Set at 6091 Tubing - OD 2000 Wt. 0470 L 6002 (T. Perf.)
 Operator EL PASO NATURAL GAS CO. Purchasing Pipeline EL PASO NATURAL GAS CO.

OBSERVED DATA

Period of Test Flow
 From 060760 To 061560 S.I.P. Measured 102869 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 1105 (k) Deadweight Shut-in Pressure, psia Casing 1100 (j) Length 6002
 Meter Error 0 (e) Friction Loss 0 (f) 7 Day Avg. Flowing Pres., psia Chart 490 (g) Corrected 490 (h)

FRICTION CALCULATION

Grav. .697 $P_t =$ 490 (i) $GL =$ 4183 $(1-e^{-x}) =$.262

$(F_c Q)^2 =$ 20539 $(1-e^{-x})(F_c Q)^2 = R^2 =$ 5381 $P_t^2 =$ 240100 $P_w^2 =$ 245481

FLOW RATE CALCULATION

$Q =$ 482 $\times \sqrt{\frac{(c)}{(d)}} = \frac{1.0000}{1.0000} =$ 482

DELIVERABILITY CALCULATION

$D = Q$ 482 $\times \left(\frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} \right)^N =$.9381 $=$.9532 $=$ 459

SUMMARY

 $P_c =$ 1105 $Q =$ 482 $P_w =$ 495 $P_d =$ 553 $D =$ 459D at 250 or 500 474

Note:

250# for P.C.

500# for M.V.

Company EL PASO NATURAL GAS CO.By M. L. KENDRICKTitle GAS ENGINEERWitnessed By Company 

