

NEW MEXICO OIL CONSERVATION COMMISSION

(EL PASO)

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

72527 Pool BLANCO Lease SAN JUAN 32 9 X No. 70
 Formation MV Unit H S 21 T 32 R 09 Pay Zone 5876 to 6362 Cty. SJ
 Casing - OD 7000 Wt. 2300 Set at 8192 Tubing - OD 1250 Wt. 0240 L 6320 (T. Perf.)
 Operator EL PASO NATURAL GAS CO. Purchasing Pipeline EL PASO NATURAL GAS CO.

OBSERVED DATA

Period of Test Flow
 From 010760 To 011560 S.I.P. Measured 101459 Prod. String O.D. 1.250
 Deadweight Flowing Pressure, psia
 Casing (a) Tubing (b) Meter (c) Wt. 2.40
 Flowing Pressure, psia
 Chart (d) Tubing 1088 (k) Casing 1088 (j) Length 6320
 Deadweight Shut-in Pressure, psia

Meter Error

0 (e)

Friction Loss

0 (f)

7 Day Avg. Flowing Pres., psia

Chart 511 (g) Corrected 511 (h)

FRICTION CALCULATION

Grav. .592 $P_i =$ 511 (i) $GL =$ 3741 $(1-e^{-s}) =$.238

$(F_c Q)^2 =$ 196252 $(1-e^{-s})(F_c Q)^2 = R^2 =$ 46708 $P_i^2 =$ 261121 $P_w^2 =$ 307829

FLOW RATE CALCULATION

$Q =$ 569 $\times \sqrt{\frac{(c)}{(d)}} \times \frac{1.0000}{1.0000} =$ 569

DELIVERABILITY CALCULATION

$D = Q$ 569 $\times \left(\frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} \right)^N =$ 1.0135 $\times$ 1.0101 $=$ 575

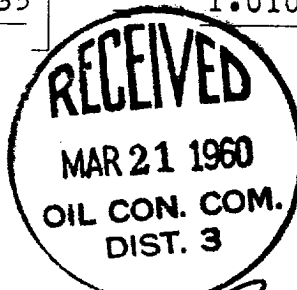
SUMMARY

 $P_c =$ 1088 $Q =$ 569 $P_w =$ 555 $P_d =$ 544 $D =$ 575D at 250 or 500 568

Note:

250# for P.C.

500# for M.V.

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

OK

