

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

86385 Pool BLANCO Lease SAN JUAN 29 5 8 No. 22
 Formation MV Unit L S 08 T 29 R 05 Pay Zone 5360 to 5782 Cty. RA
 Casing - OD 7000 Wt. 2300 Set at 7688 Tubing - OD 1250 Wt. 0240 L 5790 (T. Perf.)
 Operator EL PASO NATURAL GAS CO. Purchasing Pipeline EL PASO NATURAL GAS CO.

OBSERVED DATA

Period of Test Flow
 From 062960 To 070760 S.I.P. Measured 20869
020859 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 1079 (k) Casing 1079 (j) Length 5790
 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. .671 $P_t =$ 511 (i)GL = 3885 $(1-e^{-s}) =$.246 $(F_c Q)^2 =$ 1265652 $(1-e^{-s})(F_c Q)^2 = R^2 =$ 311350 $P_t^2 =$ 261121 $P_w^2 =$ 572471

FLOW RATE CALCULATION

$$Q = \frac{1445}{(\text{integrated})} \times \sqrt{\frac{(c)}{(d)} \cdot 1.0000} = \frac{.0000}{.0000} = 1445$$

DELIVERABILITY CALCULATION

$$D = Q \cdot 1445 \times \left(\frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} \right)^N = 1.4746 = 1.3381 = 1934$$

SUMMARY

 $P_c =$ 1079 $Q =$ 1445 $P_w =$ 757 $P_d =$ 540 $D =$ 1934D at 250 or 500 1444

Note:

250 # for P.C.

500 # for M.V.

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

1980

1980

