

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

72850 Pool BASIN Lease GORDON A No. 2  
 Formation DK Unit P S 24 T 27 R 10 Pay Zone 6764 to 6938 Cty. SJ  
 Casing - OD 5500 Wt. 1550 Set at 7046 Tubing - OD 2000 Wt. 0470 L 6879 (T. Perf.)  
 Operator EL PASO NATURAL GAS CO. Purchasing Pipeline EL PASO NATURAL GAS CO.

**OBSERVED DATA**

Period of Test Flow  
 From 032961 To 040661 S.I.P. Measured 011861 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 1715 (k) Deadweight Shut-in Pressure, psia Casing 1819 (j) Length 6879

Meter Error 0 (e) Friction Loss 0 (f) 7 Day Avg. Flowing Pres., psia 483 (g) Corrected 483 (h)

**FRICITION CALCULATION**

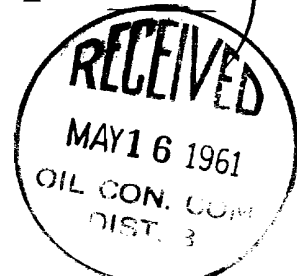
Grav. .703  $P_t =$  483 (i)  $GL =$  4836  $(1-e^{-3}) =$  .296  
 $(F_c Q)^2 =$  63266  $(1-e^{-3})(F_c Q)^2 = R^2 =$  18727  $P_t^2 =$  233289  $P_w^2 =$  252016

**FLOW RATE CALCULATION**

$Q =$   $\frac{846}{(\text{integrated})}$   $\times \sqrt{\frac{(c)}{(d)} \frac{1.0000}{1.0000}}$   $=$  1.0000  $=$  846

**DELIVERABILITY CALCULATION**

$D = Q$  846  $\times \left[ \frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} \right]^N =$  .8199  $=$  .8616  $=$  729



SUMMARY

$P_c =$  1715  
 $Q =$  846  
 $P_w =$  502  
 $P_d =$  858  
 $D =$  729

D at 250 or 500 839

Note:  
 250 = for P.C.  
 500 = for M.V.

843

Company EL PASO NATURAL GAS CO.  
 By H. L. KENDRICK  
 Title GAS ENGINEER  
 Witnessed By \_\_\_\_\_  
 Company \_\_\_\_\_

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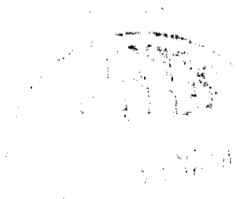
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