

## NEW MEXICO OIL CONSERVATION COMMISSION

## GAS WELL TEST DATA SHEET — SAN JUAN BASIN

(TO BE USED FOR FRUITLAND, PICTURED CLIFFS, MESAVERDE &amp; ALL DAKOTA EXCEPT BARKER DOME STORAGE AREA)

Initial  
Deliverability Test

86382 Pool BLANCO Lease SAN JUAN 29 4 18 No. 12  
 Formation MV Unit B S 18 T 29 R 04 Pay Zone 6418 to 6690 Cty. RA  
 Casing - OD 5500 Wt. 1550 Set at 6746 Tubing - OD 2000 Wt. 0470 L 6645 (T. Perf.)  
 Operator EL PASO NATURAL GAS CO. Purchasing Pipeline EL PASO NATURAL GAS CO.

## OBSERVED DATA

Period of Test Flow  
 From 033060 To 040760 S.I.P. Measured 011668 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 1227 (k) Casing 1227 (j) Length 6645  
 Deadweight Shut-in Pressure, psia

Meter Error  
0 (e)

Friction Loss

0 (f)

7 Day Avg. Flowing Pres., psia

Chart 504 (g) Corrected 504 (h)

## FRICTION CALCULATION

Grav. .629  $P_t =$  504 (i)  $GL =$  4180  $(1-e^{-s}) =$  .262

$(F_c Q)^2 =$  2320  $(1-e^{-s})(F_c Q)^2 = R^2 =$  608  $P_t^2 =$  254016  $P_w^2 =$  254624

## FLOW RATE CALCULATION

$Q =$  162 (integrated)  $\times \sqrt{\frac{(c)}{(d)} \frac{1.0000}{1.0000}} = \frac{1.0000}{1.0000} =$  162

## DELIVERABILITY CALCULATION

$D = Q$  162  $\times \left[ \frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} \right]^N = \frac{.9021}{.9256} =$  150

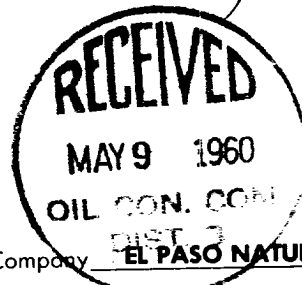
## SUMMARY

$P_c =$  1227  
 $Q =$  162  
 $P_w =$  505  
 $P_d =$  614  
 $D =$  150

D at 250 or 500 161

Note:

250# for P.C.  
 500# for M.V.

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

Witnessed By \_\_\_\_\_

Company \_\_\_\_\_

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