

## 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

74346 Pool BALLARD Lease HUERFANO No. 47  
 Formation PC Unit A S 09 T 26 R 09 Pay Zone 2083 to 2115 Cty. SJ  
 Casing - OD 7000 Wt. 2000 Set at 2083 Tubing - OD 1250 Wt. 0240 L 2093 (T. Perf.)  
 Operator EL PASO NATURAL GAS CO. Purchasing Pipeline EL PASO NATURAL GAS CO.

## OBSERVED DATA

Period of Test Flow S.I.P. Measured Prod. String  
 From 060759 To 061559 040659 O.D. 7.000

Deadweight Flowing Pressure, psia  
 Casing \_\_\_\_\_ (a) Tubing \_\_\_\_\_ (b) Meter \_\_\_\_\_ (c) Wt. 20.00

Flowing Pressure, psia Deadweight Shut-in Pressure, psia  
 Chart \_\_\_\_\_ (d) Tubing 449 (k) Casing 449 (j) Length 2083

Meter Error Friction Loss 7 Day Avg. Flowing Pres., psia  
0 (e) 0 (f) Chart 231 (g) Corrected 231 (h)

## FRICTION CALCULATION

Grav. .646  $P_t =$  231 (i) GL = 1346  $(1-e^{-s}) =$  .093

$(F_c Q)^2 =$  32  $(1-e^{-s}) (F_c Q)^2 = R^2 =$  3  $P_t^2 =$  53361  $P_w^2 =$  53364

## FLOW RATE CALCULATION

$Q =$  316  $\times \sqrt{\frac{(c)}{(d)}} \frac{1.0000}{1.0000} =$  316

## DELIVERABILITY CALCULATION

$D = Q$  316  $\times \left[ \frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} \right]^N =$  1.0184  $=$  1.0156  $=$  321

Taking test re-run with differential valves on 5/21/59.

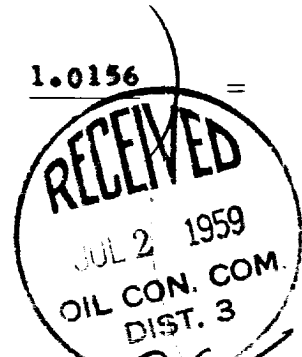
## SUMMARY

$P_c =$  449  
 $Q =$  316  
 $P_w =$  231  
 $P_d =$  225  
 $D =$  321

D at 250 or 500 288

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

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





RECEIVED ON SERVICE BATHING/STATION FROM NEW-OR 27/1953