

## 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

74969 Pool AZTEC Lease STOREY B No. 5  
 Formation PC Unit 0 S 11 T 30 R 11 Pay Zone 2336 to 2376 Cty. SJ  
 Casing - OD 5500 Wt. 1550 Set at 2431 Tubing - OD 2000 Wt. 0470 L 2289 (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 042160 To 042960 010560 O.D. 2.000

Deadweight Flowing Pressure, psia  
 Casing \_\_\_\_\_ (a) Tubing \_\_\_\_\_ (b) Meter \_\_\_\_\_ (c) Wt. 4.70

Flowing Pressure, psia Deadweight Shut-in Pressure, psia  
 Chart \_\_\_\_\_ (d) Tubing 592 (k) Casing 592 (j) Length 2289

Meter Error Friction Loss 7 Day Avg. Flowing Pres., psia  
0 (e) 0 (f) Chart 249 (g) Corrected 249 (h)

## FRICTION CALCULATION

Grav. .642  $P_t =$  249 (i)  $GL =$  1470  $(1-e^{-s}) =$  .101

$(F_c Q)^2 =$  58860  $(1-e^{-s})(F_c Q)^2 = R^2 =$  5945  $P_t^2 =$  62001  $P_w^2 =$  67946

## FLOW RATE CALCULATION

$Q =$  816 (integrated)  $\times \sqrt{\frac{(c)}{(d)}} = \frac{1.0000}{1.0000} =$  816

## DELIVERABILITY CALCULATION

$D = Q$  816  $\times \left( \frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} \right)^N =$  .9303  $=$  .9404 767

## SUMMARY

$P_c =$  592  $D$  at 250 or 500 800 Company EL PASO NATURAL GAS CO.  
 $Q =$  816 Note: By H. L. KENDRICK  
 $P_w =$  261 250# for P.C. Title GAS ENGINEER  
 $P_d =$  296 500# for M.V. Witnessed By \_\_\_\_\_  
 $D =$  767 825 Company \_\_\_\_\_



