

## 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 Test70148 Pool BLANCO MV Lease LACKEY A No. 3Formation MV Unit N S 11 T 29 R 10 Pay Zone 4295 to 4625 Cty. SJCasing - OD 5000 Wt. 1300 Set at 4295 Tubing - OD 2000 Wt. 0470 L 4479 (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 080760 To 081560 041460 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 630 (k) Casing 633 (j) Length 4479

Meter Error

0 (e)

Friction Loss

0 (f)

7 Day Avg. Flowing Pres., psia

Chart 469 (g) Corrected 469 (h)

## FRICTION CALCULATION

Grav. .721  $P_t =$  469 (i)  $GL =$  3229  $(1-e^{-s}) =$  .209

$(F_c Q)^2 =$  29  $(1-e^{-s})(F_c Q)^2 = R^2 =$  6  $P_t^2 =$  219961  $P_w^2 =$  219967

## FLOW RATE CALCULATION

$Q =$  18 (integrated)  $\times \left[ \sqrt{\frac{(c)}{(d)}} \right] =$  1.0000  $=$  18

## DELIVERABILITY CALCULATION

$D = Q$  18  $\times \left( \frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} \right)^N =$  1.6823  $=$  1.4771  $=$  27

An intermitter was installed - turned on production 7/22/60.

## SUMMARY

 $P_c =$  630D or 250 or 500 15Company EL PASO NATURAL GAS CO. $Q =$  18

Note:

By H. L. KENDRICK $P_w =$  469

250 # for P.C.

Title GAS ENGINEER $P_d =$  315

500 # for M.V.

Witnessed By          $D =$  2715 Company         

