

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

72646 Pool SOUTH BLANCO Lease CANYON LARGO No. 101
 Formation PC Unit 0 S 02 T 25 R 06 Pay Zone 2794 to 2820 Cty. RA
 Casing - OD 2875 Wt. 650 Set at 2921 Tubing - OD Wt. L (T. Perf.)
 Operator EL PASO NATURAL GAS CO. Purchasing Pipeline EL PASO NATURAL GAS CO.

OBSERVED DATA

Period of Test Flow
 From 080760 To 081560 S.I.P. Measured 042960 Prod. String O.D. 2.875
 Deadweight Flowing Pressure, psia
 Casing (a) Tubing (b) Meter (c) Wt. 6.50
 Flowing Pressure, psia
 Chart (d) Tubing (k) Casing 857 (j) Length 2794
 Deadweight Shut-in Pressure, psia
 Meter Error 0 (e) Friction Loss 0 (f) 7 Day Avg. Flowing Pres., psia
 Chart 242 (g) Corrected 242 (h)

FRICTION CALCULATION

Grav. .669 $P_t =$ 242 (i) $GL =$ 1869 $(1-e^{-x}) =$.127

$(F_c Q)^2 =$ 37357 $(1-e^{-x})(F_c Q)^2 = R^2 =$ 4744 $P_t^2 =$ 58564 $P_w^2 =$ 63308

FLOW RATE CALCULATION

$Q =$ 1101 $\times \sqrt{\frac{(c)}{(d)}} =$ 1.0000 $=$ 1.0000 $=$ 1101

DELIVERABILITY CALCULATION

$D = Q$ 1101 $\times \left(\frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} \right)^N =$.8201 $=$.8448 $=$ 930

SUMMARY

 $P_c =$ 857 $Q =$ 1101 $P_w =$ 252 $P_d =$ 429 $D =$ 930D at 250 or 500 1087

Note:

250 = for P.C.

500 = for M.V.

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

1099

Company 

