

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

72579 Pool BLANCO Lease SAN JUAN 29 S 29 No. 31
 Formation MV Unit H S 29 T 29 R 05 Pay Zone 5496 to 6026 Cty. RA
 Casing - OD 5500 Wt. 1550 Set at 6060 Tubing - OD 2000 Wt. 0470 L 5973 (T. Perf.)
 Operator EL PASO NATURAL GAS CO. Purchasing Pipeline EL PASO NATURAL GAS CO.

OBSERVED DATA

Period of Test Flow
 From 062160 To 062960 S.I.P. Measured 1117⁵⁹ 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 1099 (k) Casing 1099 (j) Length 5973
 Deadweight Shut-in Pressure, psia

Meter Error

0 (e)

Friction Loss

0 (f)

7 Day Avg. Flowing Pres., psia

Chart 533 (g) Corrected 533 (h)

FRICTION CALCULATION

Grav. .671 $P_t =$ 533 (i) $GL =$ 4008 $(1-e^{-s}) =$.253

$(F_c Q)^2 =$ 97832 $(1-e^{-s})(F_c Q)^2 = R^2 =$ 24751 $P_t^2 =$ 284089 $P_w^2 =$ 308840

FLOW RATE CALCULATION

$Q =$ 1052 (integrated) $\times \sqrt{\frac{(c)}{(d)}} = \frac{1.0000}{1.0000} =$ 1052

DELIVERABILITY CALCULATION

$D = Q$ 1052 $\times \left(\frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} \right)^N = \frac{1.0070}{1.0052} =$ 1057

SUMMARY

 $P_c =$ 1099 $Q =$ 1052 $P_w =$ 556 $P_d =$ 550 $D =$ 1057D at 250 or 500 1071

Note:

250# for P.C.

500# for M.V.

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

