

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

72639 Pool BLANCO Lease SAN JUAN 27 S MV No. 51
Formation MV Unit K S 28 T 27 R 05 Pay Zone 5353 to 5474 Cty. RA
Casing - OD 5500 Wt. 1550 Set at 5605 Tubing - OD 2000 Wt. 0470 L 5390 (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 042760 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 1088 (k) Casing 970 (j) Length 5390
Meter Error Friction Loss 7 Day Avg. Flowing Pres., psia
0 (e) 0 (f) Chart 540 (g) Corrected 540 (h)

FRICTION CALCULATION

Grav. .691 $P_i =$ 540 (i) GL = 3724 $(1-e^{-x}) =$.237
 $(F_c Q)^2 =$ 8661 $(1-e^{-x}) (F_c Q)^2 = R^2 =$ 2053 $P_i^2 =$ 291600 $P_w^2 =$ 293653

FLOW RATE CALCULATION

$Q =$ 313 X $\sqrt{\frac{(c)}{(d)}} = \frac{1.0000}{1.0000} =$ 313
(integrated)

DELIVERABILITY CALCULATION

$D = Q$ 313 X $\left[\frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} \right]^N =$.9974 $=$.9980 $=$ 312

SUMMARY

$P_c =$ 1088
 $Q =$ 313
 $P_w =$ 542
 $P_d =$ 544
 $D =$ 312

SL
D at 250 or 500 321

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

Company EL PASO NATURAL GAS CO.

By M. L. KENDRICK

Title GAS ENGINEER

Witnessed By

321 Company

