

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

72587 Pool BLANCO Lease SAN JUAN 30 5 20 MV No. 27
 Formation MV Unit M S 20 T 30 R 05 Pay Zone 5162 to 5648 Cty. RA
 Casing - OD 7000 Wt. 2300 Set at 7504 Tubing - OD 1250 Wt. 2240 L 5592 (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 59
112769 Prod. String
 O.D. 1.250

Deadweight Flowing Pressure, psia
 Casing (a) Tubing (b) Meter (c) Wt. 2.40

Flowing Pressure, psia
 Chart (d) Tubing 1127 (k) Casing 1127 (j) Length 5592
 Deadweight Shut-in Pressure, psia

Meter Error
0 (e)

Friction Loss:
0 (f)

7 Day Avg. Flowing Pres., psia
 Chart 519 (g) Corrected 519 (h)

FRICTION CALCULATION

Grav. .586 $P_i =$ 519 (i) $GL =$ 3277 $(1-e^{-s}) =$.212

$(F_c Q)^2 =$ 36084 $(1-e^{-s})(F_c Q)^2 = R^2 =$ 7650 $P_i^2 =$ 269361 $P_w^2 =$ 277011

FLOW RATE CALCULATION

$Q =$ 244 (integrated) $\times \sqrt{\frac{(c)}{(d)}} = \frac{1.0000}{1.0000} =$ 244

DELIVERABILITY CALCULATION

$D = Q$ 244 $\times \left[\frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} \right]^N =$.9586 $=$.9687 $=$ 236

SUMMARY

$P_c =$ 1127

$Q =$ 244

$P_w =$ 526

$P_d =$ 564

$D =$ 236

D at 250 or 500 245

Note:

250# for P.C.

500# for M.V.

Company EL PASO NATURAL GAS CO.

By H. L. KENDRICK

Title GAS ENGINEER

Witnessed By

Company



