

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)

70437 Pool BLANCO MV Lease NEIL No. 1
 Formation MV Unit A S 14 T 31 R 11 Pay Zone 4219 to 4948 Cty. SJ
 Casing - OD 7000 Wt. 2300 Set at 4170 Tubing - OD 2000 Wt. 0470 L 4950 (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 070760 To 071560 072260 O.D. 2.000

Deadweight Flowing Pressure, psia
 Casing 485 (a) Tubing 480 (b) Meter 480 (c) Wt. 4.70

Flowing Pressure, psia Deadweight Shut-in Pressure, psia
 Chart 484 (d) Tubing 914 (k) Casing 488 (j) Length 4950

Meter Error
4- (e)

Friction Loss
0 (f)

7 Day Avg. Flowing Pres., psia
 Chart 483 (g) Corrected 479 (h)

FRICTION CALCULATION

Grav. .662 $P_i =$ 479 (i) $GL =$ 3277 $(1-e^{-s}) =$.212

$(F_c Q)^2 =$ 41242 $(1-e^{-s}) (F_c Q)^2 = R^2 =$ 8743 $P_i^2 =$ 229441 $P_w^2 =$ 238184

FLOW RATE CALCULATION

$Q =$ 686 (integrated) $\times \sqrt{\frac{(c)}{(d)} \frac{.9917}{.9958}} =$ 683

DELIVERABILITY CALCULATION

$D = Q$ 683 $\times \left(\frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} \right)^N =$ 1.0491 $=$ 1.0366 $=$ 708

SUMMARY

$P_c =$ 914
 $Q =$ 683
 $P_w =$ 488
 $P_d =$ 457
 $D =$ 708

D at 250 or 500 655

Note:

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

Company EL PASO NATURAL GAS

By H. L. KENDRICK

Title GAS ENGINEER

Witnessed By _____

Company _____

