

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

72351 Pool EAST BLANCO Lease SAN JUAN 30 4 No. 27
 Formation PC Unit B S 20 T 30 R 04 Pay Zone 4270 to 4510 Cty. RA
 Casing - OD 5500 Wt. 1550 Set at 4558 Tubing - OD 2000 Wt. 0470 L 4486 (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 010759 To 011559 102058 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 1249 (k) Casing 1249 (j) Length 4486

Meter Error Friction Loss 7 Day Avg. Flowing Pres., psia
0 (e) 0 (f) Chart 533 (g) Corrected 533 (h)

FRICTION CALCULATION

Grav. .612 $P_t =$ 533 (i) GL = 2745 $(1-e^{-s}) =$.181

$(F_c Q)^2 =$ 48150 $(1-e^{-s})(F_c Q)^2 = R^2 =$ 8715 $P_t^2 =$ 284089 $P_w^2 =$ 292804

FLOW RATE CALCULATION

$Q =$ 738 (integrated) $\times \sqrt{\frac{(c)}{(d)}} \frac{/.0000}{/.0000} =$ 738

DELIVERABILITY CALCULATION

$D = Q$ 738 $\times \left(\frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} \right)^N =$.9228 $=$.9339 $=$ 689

SUMMARY

$P_c =$ 1249
 $Q =$ 738
 $P_w =$ 541
 $P_d =$ 625
 $D =$ 689

D at 250 or 500 843

Note:

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

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

Witnessed By _____

Company _____



