

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

72494 Pool EAST BLANCO Lease SAN JUAN 30 4 No. 30
 Formation PC Unit K S 20 T 30 R 04 Pay Zone 4186 to 4454 Cty. RA
 Casing - OD 5500 Wt. 1550 Set at 4524 Tubing - OD 2000 Wt. 8470 L 4419 (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 110759 To 111559 081359 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 1192 (k) Casing 1192 (j) Length 4419

Meter Error
0 (e)

Friction Loss
0 (f)

7 Day Avg. Flowing Pres., psia
 Chart 497 (g) Corrected 497 (h)

FRICTION CALCULATION

Grav. .608 $P_t =$ 497 (i) $GL =$ 2687 $(1-e^{-s}) =$.177

$(F_c Q)^2 =$ 47500 $(1-e^{-s})(F_c Q)^2 = R^2 =$ 8408 $P_t^2 =$ 247009 $P_w^2 =$ 255417

FLOW RATE CALCULATION

$Q =$ 733 $\times \sqrt{\frac{(c)}{(d)}} \times \frac{1.0000}{1.0000} =$ 733

DELIVERABILITY CALCULATION

$D = Q$ 733 $\times \left(\frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} \right)^N =$.9143 $=$.9266 $=$ 679

SUMMARY

$P_c =$ 1192
 $Q =$ 733
 $P_w =$ 505
 $P_d =$ 596
 $D =$ 679

D at 250 or 500 827 Company EL PASO NATURAL GAS CO.

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

By H. L. KENDRICK

Title GAS ENGINEER

Witnessed By _____

Company _____

827



