

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)

867 Pool AZTEC Lease HANCOCK No. 4
 Formation PC Unit M S 23 T 28 R 09 Pay Zone 3244 to 3302 Cty. SJ
 Casing - OD 7625 Wt. 2640 Set at 3387 Tubing - OD 1250 Wt. 0240 L 3210 (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 100759 To 101559 062659 O.D. 1.250

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

Flowing Pressure, psia Deadweight Shut-in Pressure, psia
 Chart _____ (d) Tubing 773 (k) Casing 773 (j) Length 3210

Meter Error Friction Loss 7 Day Avg. Flowing Pres., psia
0 (e) 0 (f) Chart 235 (g) Corrected 235 (h)

FRICTION CALCULATION

Grav. .647 $P_t =$ 235 (i) GL = 2077 $(1-e^{-x}) =$.140

$(F_c Q)^2 =$ 309021 $(1-e^{-x})(F_c Q)^2 = R^2 =$ 43263 $P_t^2 =$ 55225 $P_w^2 =$ 98488

FLOW RATE CALCULATION

$Q =$ 714 X $\sqrt{\frac{(c)}{(d)}}$ 1.0000 = 1.0000 = 714

DELIVERABILITY CALCULATION

$D = Q$ 714 X $\left[\frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} \right]^N$ = .8972 = .9119 651



SUMMARY

$P_c =$ 773
 $Q =$ 714
 $P_w =$ 314
 $P_d =$ 387
 $D =$ 651

D at 250 or 500 699
 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 _____

