

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

74802 Pool AZTEC Lease SAN JUAN 29 9 No. 3
Formation PC Unit E S 33 T 29 R 09 Pay Zone 2400 to 2460 Cty. SJ
Casing - OD 5500 Wt. 1550 Set at 2514 Tubing - OD 1000 Wt. 0170 L 2356 (T. Perf.)
Operator EL PASO NATURAL GAS CO. Purchasing Pipeline EL PASO NATURAL GAS CO.

OBSERVED DATA

Period of Test Flow
From 040759 To 041559 S.I.P. Measured 121958 Prod. String O.D. 5.500

Deadweight Flowing Pressure, psia
Casing (a) Tubing (b) Meter (c) Wt. 15.50

Flowing Pressure, psia
Chart (d) Tubing 737 (k) Deadweight Shut-in Pressure, psia 737 (j) Casing (i) Length 2400

Meter Error 0 (e) Friction Loss 0 (f) 7 Day Avg. Flowing Pres., psia 548 (g) Chart 548 (g) Corrected 548 (h)

FRICITION CALCULATION

Grav. .638 $P_t =$ 548 (i) GL = 1531 $(1-e^{-x}) =$.105

$(F_c Q)^2 =$ 190 $(1-e^{-x}) (F_c Q)^2 = R^2 =$ 20 $P_t^2 =$ 300304 $P_w^2 =$ 300324

FLOW RATE CALCULATION

$Q =$ 385 (integrated) $\times \sqrt{\frac{(c)}{(d)} \cdot .0000} = .0000 = 385$

DELIVERABILITY CALCULATION

$D = Q$ 385 $\times \left(\frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} \right)^N = 1.6758 = 1.5509 = 597$

SUMMARY

$P_c =$ 737
 $Q =$ 385
 $P_w =$ 548
 $P_d =$ 369
 $D =$ 597

D at 250 or 500 680

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



