

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

72638 Pool SOUTH BLANCO Lease JICARILLA C No. 9

Formation PC Unit G S 21 T 25 R 04 Pay Zone 3408 to 3434 Cty. RA

Casing - OD 2875 Wt. 640 Set at 3478 Tubing - OD Wt. L (T. Perf.)

Operator EL PASO NATURAL GAS CO. Purchasing Pipeline EL PASO NATURAL GAS CO.

OBSERVED DATA

Period of Test Flow

From 081560 To 082260 S.I.P. Measured 061660 Prod. String O.D. 2.875

Deadweight Flowing Pressure, psia

Casing (a) Tubing (b) Meter (c) Wt. 6.40

Flowing Pressure, psia

Chart (d) Tubing (k) Casing 901 (j) Length 3408

Deadweight Shut-in Pressure, psia

Meter Error

0 (e)

Friction Loss

0 (f)

7 Day Avg. Flowing Pres., psia

Chart 259 (g) Corrected 259 (h)

FRICTION CALCULATION

Grav. .728 $P_t =$ 259 (i) $GL =$ 2481 $(1-e^{-s}) =$.165

$(F_c Q)^2 =$ 407 $(1-e^{-s})(F_c Q)^2 = R^2 =$ 67 $P_t^2 =$ 67081 $P_w^2 =$ 67148

FLOW RATE CALCULATION

$Q =$ 115 (integrated) $\times \left[\sqrt{\frac{(c)}{(d)}} \right] =$ 1.0000 $=$ 115

DELIVERABILITY CALCULATION

$D = Q$ 115 $\times \left[\frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} \right]^N =$.8169 $=$.8420 $=$ 97

SUMMARY

$P_c =$ 901

$Q =$ 115

$P_w =$ 259

$P_d =$ 451

$D =$ 97

D at 250 or 500 115

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



