

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

74946 Pool SOUTH BLANCO Lease GILCREASE No. 3
 Formation PC Unit 6 S 27 T 25 R 03 Pay Zone 3718 to 3752 Cty. RA
 Casing - OD 5500 Wt. 1550 Set at 3805 Tubing - OD 2000 Wt. 0470 L 3712 (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 042160 To 042960 042369⁵⁹ 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 1012 (k) Casing 1012 (j) Length 3712

Meter Error
0 (e)

Friction Loss
0 (f)

7 Day Avg. Flowing Pres., psia
 Chart 252 (g) Corrected 252 (h)

FRICTION CALCULATION

Grav. .643 $P_i =$ 252 (i) $GL =$ 2387 $(1-e^{-s}) =$.159

$(F_c Q)^2 =$ 3606 $(1-e^{-s})(F_c Q)^2 = R^2 =$ 573 $P_i^2 =$ 63504 $P_w^2 =$ 64077

FLOW RATE CALCULATION

$Q =$ 202 X $\sqrt{\frac{(c)}{(d)}}$ 1.0000 $=$ 1.0000 $=$ 202

DELIVERABILITY CALCULATION

$D = Q$ 202 X $\left[\frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} \right]^N$ $=$.8000 $=$.8272 $=$ 167

SUMMARY

$P_c =$ 1012

$Q =$ 202

$P_w =$ 253

$P_d =$ 506

$D =$ 167

D at 250 or 500 201

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 _____



