

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

72637 Pool SOUTH BLANCO Lease JICARILLA C No. 6
 Formation PC Unit E S 21 T 25 R 04 Pay Zone 3432 to 3454 Cty. RA
 Casing - OD 2875 Wt. 640 Set at 3516 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 S.I.P. Measured Prod. String
 From 081560 To 082260 061660 O.D. 2.875

Deadweight Flowing Pressure, psia
 Casing _____ (a) Tubing _____ (b) Meter _____ (c) Wt. 6.40

Flowing Pressure, psia Deadweight Shut-in Pressure, psia
 Chart _____ (d) Tubing _____ (k) Casing 951 (j) Length 3432

Meter Error
0 (e)

Friction Loss
0 (f)

7 Day Avg. Flowing Pres., psia
 Chart 263 (g) Corrected 263 (h)

FRICTION CALCULATION

Grav. .700 $P_t =$ 263 (i) $GL =$ 2402 $(1-e^{-x}) =$.160

$(F_c Q)^2 =$ 1371 $(1-e^{-x})(F_c Q)^2 = R^2 =$ 219 $P_t^2 =$ 69169 $P_w^2 =$ 69388

FLOW RATE CALCULATION

$Q =$ 211 (integrated) $\times \sqrt{\frac{(c)}{(d)}} = \frac{1.0000}{1.0000} = \frac{1.0000}{1.0000} =$ 211

DELIVERABILITY CALCULATION

$D = Q$ 211 $\times \left(\frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} \right)^N =$.8115 $=$.8373 177

SUMMARY

$P_c =$ 951

$Q =$ 211

$P_w =$ 263

$P_d =$ 476

$D =$ 177

D at 250 or 500 211

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 _____



