

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

74863 Pool SOUTH BLANCO Lease JICARILLA C No. 7
 Formation PC Unit L S 22 T 25 R 04 Pay Zone 3364 to 3398 Cty. RA
 Casing - OD 5500 Wt. 1550 Set at 3435 Tubing - OD 1250 Wt. 0240 L 3364 (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 090759 To 091559 072259 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 971 (k) Casing 971 (j) Length 3364

Meter Error Friction Loss 7 Day Avg. Flowing Pres., psia
0 (e) 0 (f) Chart 225 (g) Corrected 225 (h)

FRICTION CALCULATION

Grav. .723 $P_t =$ 225 (i) GL = 2432 $(1-e^{-x}) =$.162

$(F_c Q)^2 =$ 100902 $(1-e^{-x})(F_c Q)^2 = R^2 =$ 16346 $P_t^2 =$ 50625 $P_w^2 =$ 66971

FLOW RATE CALCULATION

$Q =$ 408 (integrated) $\times \left[\sqrt{\frac{(c)}{(d)}} \right] = \frac{1.0000}{1.0000} = \frac{1.0000}{1.0000} =$ 408

DELIVERABILITY CALCULATION

$D = Q$ 408 $\times \left(\frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} \right)^N = \frac{.8067}{.8331} =$ 340

SUMMARY

 $P_c =$ 971 $Q =$ 408 $P_w =$ 259 $P_d =$ 486 $D =$ 340D at 250 or 500 401 Company EL PASO NATURAL GAS CO.

Note:

250 # for P.C.

500 # for M.V.

By H. L. KENDRICKTitle GAS ENGINEER

Witnessed By _____

Company 401

