

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

12273 Pool BALLARD Lease CANYON LARGO No. 16
 Formation PC Unit A S30 T25 R07 Pay Zone 2512 to 2582 Cty. RA
 Casing - OD 5500 Wt. 1550 Set at 2611 Tubing - OD 1250 Wt. 0240 L 2489 (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 112958 To 120758 081158 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 599 (k) Casing 599 (j) Length 2489

Meter Error
0 (e)

Friction Loss
0 (f)

7 Day Avg. Flowing Pres., psia
 Chart 231 (g) Corrected 231 (h)

FRICTION CALCULATION

Grav. .700

$P_t =$ 231 (i) $GL =$ 1742 $(1-e^{-s}) =$.119

$(F_c Q)^2 =$ 20079

$(1-e^{-s})(F_c Q)^2 = R^2 =$ 2389

$P_t^2 =$ 53361

$P_w^2 =$ 55750

FLOW RATE CALCULATION

$$Q = \frac{182}{(\text{integrated})} \times \left[\sqrt{\frac{(c)}{(d)}} \right] = \frac{.0000}{.0000} = 182$$

DELIVERABILITY CALCULATION

$$D = Q \frac{182}{\left(\frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} \right)^N} = \frac{.8869}{.9879} = 164$$

SUMMARY

$P_c =$ 599

$Q =$ 182

$P_w =$ 236

$P_d =$ 300

$D =$ 164

D at 250 or 500 174

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 _____

