

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

74829 Pool BALLARD Lease CANYON LARGO No. 82
 Formation PC Unit I S 34 T 25 R 07 Pay Zone 2508 to 2580 Cty. RA
 Casing - OD 5500 Wt. 1550 Set at 2630 Tubing - OD 1250 Wt. 0240 L 2540 (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 081559 To 082259 050559 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 631 (k) Casing 631 (j) Length 2540

Meter Error Friction Loss 7 Day Avg. Flowing Pres., psia
0 (e) 0 (f) Chart 218 (g) Corrected 218 (h)

FRICTION CALCULATION

Grav. .700 $P_t =$ 218 (i) $GL =$ 1778 $(1-e^{-s}) =$.121

$(F_c Q)^2 =$ 1139333 $(1-e^{-s})(F_c Q)^2 = R^2 =$ 137859 $P_t^2 =$ 47524 $P_w^2 =$ 185383

FLOW RATE CALCULATION

$Q =$ 1371 (integrated) $\times \sqrt{\frac{(c)}{(d)}} = \frac{1.0000}{1.0000} =$ 1371

DELIVERABILITY CALCULATION

$D = Q$ 1371 $\times \left(\frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} \right)^N = \frac{1.4019}{1.3326} =$ 1827

SUMMARY

 $P_c =$ 631 $Q =$ 1371 $P_w =$ 431 $P_d =$ 316 $D =$ 1827D at 250 or 500 1344 Company EL PASO NATURAL GAS CO.

Note:

250 # for P.C.

500 # for M.V.

By H. L. KENDRICKTitle GAS ENGINEER

Witnessed By _____

Company _____



