

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

72561 Pool UNDESIGNATED Lease JICARILLA 67 No. 10
 Formation DAKOTA Unit M S 30 T 25 R 05 Pay Zone 6846 to 7004 Cty. RA
 Casing - OD 5500 Wt. 1700 Set at 7177 Tubing - OD 2000 Wt. 0470 L 6985 (T. Perf.)
 Operator EL PASO NATURAL GAS CO. Purchasing Pipeline EL PASO NATURAL GAS CO.

OBSERVED DATA

Period of Test Flow
 From 042160 To 042960 S.I.P. Measured 012060 Prod. String O.D. 2.000

Deadweight Flowing Pressure, psia
 Casing (a) Tubing (b) Meter (c) Wt. 4.70

Flowing Pressure, psia
 Chart (d) Tubing 2147 (k) Casing 2147 (j) Length 6985
 Deadweight Shut-in Pressure, psia

Meter Error 0 (e) Friction Loss 0 (f) 7 Day Avg. Flowing Pres., psia
 Chart 497 (g) Corrected 497 (h)

FRICTION CALCULATION

Grav. .650 $P_t =$ 497 (i) GL = 4540 $(1-e^{-s}) =$.281

$(F_c Q)^2 =$ 105987 $(1-e^{-s})(F_c Q)^2 = R^2 =$ 29782 $P_t^2 =$ 247009 $P_w^2 =$ 276791

FLOW RATE CALCULATION

$Q =$ 1095 (integrated) $\times \sqrt{\frac{(c)}{(d)}} =$ 1.0000 $\times$ 1.0000 $=$ 1095

DELIVERABILITY CALCULATION

$D = Q$ 1095 $\times \left(\frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} \right)^N =$.7976 $=$ 8439 $=$ 924

SUMMARY

 $P_c =$ 2147D at 250 or 500 1092Company EL PASO NATURAL GAS CO. $Q =$ 1095

Note:

By H. L. KENDRICK $P_w =$ 526

250# for P.C.

Title GAS ENGINEER

500# for M.V.

 $P_d =$ 1074Witnessed By $D =$ 9241101Company 