

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

72641 Pool TAPACITO Lease SAN JUAN 27 5 PC No. 51
 Formation PC Unit K S 28 T 27 R 05 Pay Zone 3192 to 3260 Cty. RA
 Casing - OD 7625 Wt. 2640 Set at 3355 Tubing - OD 1250 Wt. 0240 L 3224 (T. Perf.)
 Operator EL PASO NATURAL GAS CO. Purchasing Pipeline EL PASO NATURAL GAS CO.

OBSERVED DATA

Period of Test Flow
 From 080740 To 081540 S.I.P. Measured 050560 Prod. String O.D. 1.250
 Deadweight Flowing Pressure, psia
 Casing (a) Tubing (b) Meter (c) Wt. 2.40
 Flowing Pressure, psia
 Chart (d) Tubing 1011 (k) Casing 1011 (j) Length 3224
 Deadweight Shut-in Pressure, psia
 Meter Error 0 (e) Friction Loss 0 (f) Chart 533 (g) Corrected 533 (h)
 7 Day Avg. Flowing Pres., psia

FRICTION CALCULATION

Grav. .658 $P_t =$ 533 (i) $GL =$ 2121 $(1-e^{-s}) =$.143
 $(F_c Q)^2 =$ 621 $(1-e^{-s})(F_c Q)^2 = R^2 =$ 89 $P_t^2 =$ 284089 $P_w^2 =$ 284178

FLOW RATE CALCULATION

$Q =$ 32 X $\sqrt{\frac{(c)}{(d)} \frac{1.0000}{1.0000}}$ = 32

DELIVERABILITY CALCULATION

$D = Q$ 32 X $\left[\frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} \right]^N =$ 1.0380 = 1.0322 33

SUMMARY

$P_c =$ 1011
 $Q =$ 32
 $P_w =$ 533
 $P_d =$ 506
 $D =$ 33

D at 250 or 500 40

Note:

250 # for P.C.
 500 # for M.V.

Company EL PASO NATURAL GAS CO.By H. L. KENDRICKTitle GAS ENGINEER

Witnessed By _____

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Company _____

