

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

2691 Pool BLANCO Lease SAN JUAN 32 9 No. 79
 Formation MV Unit A S 17 T 32 R 09 Pay Zone 6010 to 6148 Cty. SJ
 Casing - OD 5500 Wt. 1550 Set at 6261 Tubing - OD 2000 Wt. 0470 L 6104 (T. Perf.)
 Operator EL PASO NATURAL GAS CO. Purchasing Pipeline EL PASO NATURAL GAS CO.

OBSERVED DATA

Period of Test Flow
 From 103060 To 110760 S.I.P. Measured 081260 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 1020 (k) Casing 1020 (j) Length 6104
 Deadweight Shut-in Pressure, psia

Meter Error 0 (e) Friction Loss 0 (f) 7 Day Avg. Flowing Pres., psia 462 Chart 462 (g) Corrected 462 (h)

FRICTION CALCULATION

Grav. .591 $P_t =$ 462 (i) GL = 3607 $(1-e^{-s}) =$.231

$(F_c Q)^2 =$ 2235 $(1-e^{-s})(F_c Q)^2 = R^2 =$ 516 $P_t^2 =$ 213444 $P_w^2 =$ 213960

FLOW RATE CALCULATION

$Q =$ 159 (integrated) $\times \sqrt{\frac{(c)}{(d)} \frac{1.0000}{1.0000}} = \frac{1.0000}{1.0000} =$ 159

DELIVERABILITY CALCULATION

$D = Q$ 159 $\times \left(\frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} \right)^N = \frac{.9441}{.9577} =$ 152

SUMMARY

$P_c =$ 1020
 $Q =$ 159
 $P_w =$ 463
 $P_d =$ 510
 $D =$ 152

D at 250 or 500 152

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 _____



