

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

72751 Pool UNDESIGNATED Lease FRONTIER P U E DK No. 1
Formation DK Unit O 04 27 11 Pay Zone 6545 to 6587 Cty. SJ
Casing - OD 7000 Wt. 2300 Set at 6746 Tubing - OD 2000 Wt. 0470 L 6494 (T. Perf.)
Operator EL PASO NATURAL GAS CO. Purchasing Pipeline EL PASO NATURAL GAS CO.

OBSERVED DATA

Period of Test Flow
From 120760 To 121560 S.I.P. Measured 072860 Prod. String 2.000
O.D. 4.70
Deadweight Flowing Pressure, psia
Casing (a) Tubing (b) Meter (c) Wt. 6494
Flowing Pressure, psia 2029 Deadweight Shut-in Pressure, psia 6494
Chart (d) Tubing (k) Casing (j) Length (h)
Meter Error 0 (e) Friction Loss 0 (f) 7 Day Avg. Flowing Pres., psia 497
Chart (g) Corrected (h)

FRICTION CALCULATION

Grav. .675 $P_t =$ 497 (i) GL = 4383 $(1-e^{-3}) =$.273
 $(F_c Q)^2 =$ 64176 $(1-e^{-3})(F_c Q)^2 = R^2 =$ 17520 $P_t^2 =$ 247009 $P_w^2 =$ 264529

FLOW RATE CALCULATION

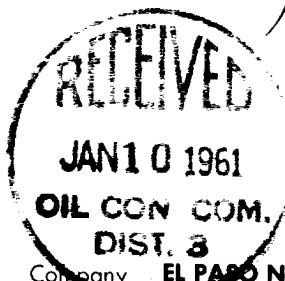
$Q =$ 852 (integrated) $\times \sqrt{\frac{(c)}{(d)} \frac{1.0000}{1.0000}} =$ 852

DELIVERABILITY CALCULATION

$D = Q$ 852 $\times \left(\frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} \right)^N =$.8468 = 721

SUMMARY

$P_c =$ 2029
 $Q =$ 852
 $P_w =$ 514
 $P_d =$ 1015
 $D =$ 721

D at 250 or 500 849Note:
250 $\pm$ for P.C.
500 $\pm$ for M.V.Company EL PASO NATURAL GAS CO.
H. L. KENDRICKBy GAS ENGINEER

Title _____

Witnessed By John J. Strojek
John J. StrojekCompany El Paso Natural Gas Products Co.