

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

74905 Pool UNDESIGNATED Lease DELHI TAYLOR PU E No. 1
 Formation DAKOTA Unit G S 04 T 26 R 11 Pay Zone 6312 to 6406 Cty. SJ
 Casing - OD 5500 Wt. 1550 Set at 6537 Tubing - OD 2000 Wt. 0470 L 6342 (T. Perf.)
PRODUCTS
 Operator EL PASO NATURAL GAS/CO. Purchasing Pipeline EL PASO NATURAL GAS CO.

OBSERVED DATA

Period of Test Flow
 From 112959 To 120759 S.I.P. Measured 082759 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 2003 (k) Casing 2005 (j) Length 6342
 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. .685 $P_t =$ 497 (i) GL = 4344 $(1-e^{-s}) =$.271

$(F_c Q)^2 =$ 681680 $(1-e^{-s}) (F_c Q)^2 = R^2 =$ 184735 $P_t^2 =$ 247009 $P_w^2 =$ 431744

FLOW RATE CALCULATION

$Q =$ 2777 (integrated) $\times \sqrt{\frac{(c)}{(d)}} = \frac{1.0000}{1.0000} = \frac{1.0000}{1.0000} = \frac{2777}{2777}$

DELIVERABILITY CALCULATION

$D = Q$ 2777 $\times \left(\frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} \right)^N = \frac{.8401}{.8775} = \frac{.8775}{.8775} = \frac{2437}{2437}$

SUMMARY

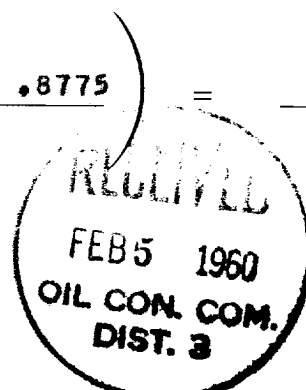
$P_c =$ 2003
 $Q =$ 2777
 $P_w =$ 657
 $P_d =$ 1002
 $D =$ 2437

D at 250 or 500 2768

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

Company EL PASO NATURAL GAS CO.By H. L. KENDRICKTitle GAS ENGINEERWitnessed By John J. StrojekCompany El Paso Natural Gas Products Co.

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