

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)

CORRECTED COPY

Initial
Deliverability Test

74843 Pool UNDESIGNATED Lease FRONTIER B (GD) No. 2
Formation DK Unit D S 09 T 27 R 11 Pay Zone 6506 to 6550 Cty. SJ
Casing - OD 7000 Wt. 2300 Set at 6719 Tubing - OD 2000 Wt. 0470 L 6441 (T. Perf.)
Operator EL PASO NATURAL GAS/CO. Purchasing Pipeline EL PASO NATURAL GAS CO.

OBSERVED DATA

Period of Test Flow		S.I.P. Measured	Prod. String
From <u>073059</u>	To <u>080759</u>	<u>042759</u>	O.D. <u>2.000</u>
Deadweight Flowing Pressure, psia			
Casing <u> </u> (a)	Tubing <u> </u> (b)	Meter <u> </u> (c)	Wt. <u>4.70</u>
Flowing Pressure, psia		Deadweight Shut-in Pressure, psia	
Chart <u> </u> (d)	Tubing <u>2044</u> (k)	Casing <u> </u> (j)	Length <u>6441</u>

Meter Error 0 (e) Friction Loss 0 (f) 7 Day Avg. Flowing Pres., psia Chart 664 (g) Corrected 664 (h)

FRICITION CALCULATION

Grav. .673 $P_t =$ 664 (i) GL = 4335 $(1-e^{-s}) =$.270

$(F_c Q)^2 =$ 154480 $(1-e^{-s})(F_c Q)^2 = R^2 =$ 41710 $P_t^2 =$ 440896 $P_w^2 =$ 482606

FLOW RATE CALCULATION

$Q =$ 1322 (integrated) $\times \sqrt{\frac{(c)}{(d)}} = \frac{1.0000}{1.0000} =$ 1322

DELIVERABILITY CALCULATION

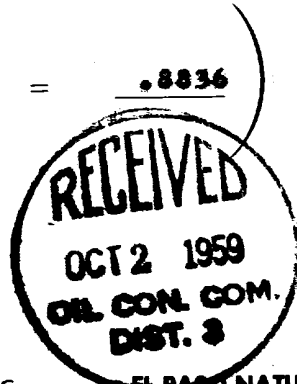
$D = Q$ 1322 $\times \left(\frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} \right)^N = \frac{.8479}{.8836} =$ 1168

SUMMARY

$P_c =$ 2044
 $Q =$ 1322
 $P_w =$ 695
 $P_d =$ 1022
 $D =$ 1168

D at 250 or 500 1369

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



Company EL PASO NATURAL GAS CO.

By H. L. KENDRICK

Title GAS ENGINEER

Witnessed By John J. Strojek

1377 Company El Paso Natural Gas Products Co.

