

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

72416 Pool TAPACITO Lease SAN JUAN 27 4 PC No. 20
 Formation PC Unit G S 22 T 27 R 04 Pay Zone 3812 to 3868 Cty. RA
 Casing - OD 7625 Wt. 2640 Set at 3984 Tubing - OD 1250 Wt. 0240 L 3840 (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>040759</u>	To	<u>041559</u>
			O.D. <u>7.625</u>
Deadweight Flowing Pressure, psia			
Casing	(a)	Tubing	(b)
		Meter	(c)
			Wt. <u>26.40</u>
Flowing Pressure, psia		Deadweight Shut-in Pressure, psia	
Chart	(d)	Tubing	<u>953</u> (k)
		Casing	<u>954</u> (j)
			Length <u>3812</u>

Meter Error

0 (e)

Friction Loss

0 (f)

7 Day Avg. Flowing Pres., psia

Chart 570 (g) Corrected 570 (h)

FRICTION CALCULATION

Grav. .710 $P_i =$ 570 (i) $GL =$ 2707 $(1-e^{-s}) =$.179

$(F_c Q)^2 =$ 16 $(1-e^{-s})(F_c Q)^2 = R^2 =$ 3 $P_i^2 =$ 324900 $P_w^2 =$ 324903

FLOW RATE CALCULATION

$Q =$ 243 (integrated) $\times \sqrt{\frac{(c)}{(d)}} = \frac{1.0000}{1.0000} =$ 243

DELIVERABILITY CALCULATION

$D = Q$ 243 $\times \left(\frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} \right)^N = \frac{1.1663}{1.1396} =$ 277

SUMMARY

 $P_c =$ 954 $Q =$ 243 $P_w =$ 570 $P_d =$ 477 $D =$ 277D at 250 or 500 331

Note:

250 # for P.C.

500 # for M.V.

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

Witnessed By _____

Company _____

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APR 27 1959
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