

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**

74784 Pool TAPACITO Lease HILL No. 4

Formation PC Unit B S 23 T 25 R 03 Pay Zone 3662 to 3680 Cty. RA

Casing - OD 5500 Wt. 1550 Set at 3734 Tubing - OD 1250 Wt. 0240 L 3647 (T. Perf.)

Operator	EL PASO NATURAL GAS CO.	Purchasing Pipeline	EL PASO NATURAL GAS CO.
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OBSERVED DATA

Period of Test Flow		S.I.P. Measured	Prod. String
From	031559	To 032259	100358
			O.D. 1.250

Deadweight Flowing Pressure, psia				
Casing	_____ (a)	Tubing	_____ (b)	Meter (c) Wt. 2.40

Flowing Pressure, psia	Deadweight Shut-in Pressure, psia		
Chart _____ (d)	Tubing <u>1039</u> (k)	Casing <u>1038</u> (j)	Length <u>3647</u>

Meter Error 0 (e) Friction Loss 0 (f) Chart 391 (g) Corrected 391 (h) 7 Day Avg. Flowing Pres., psia

FRICION CALCULATION

Grav. .651 $P_t = \frac{391}{1000}$ (i) $GL = 2374$ $(1-e^{-s}) = .159$

$$(F_c Q)^2 = \underline{257667} \quad (1-e^s)(F_c Q)^2 = R^2 = \underline{40969} \quad P_t^2 = \underline{152881} \quad P_w^2 = \underline{193850}$$

FLOW RATE CALCULATION

$$Q = \frac{652}{(\text{integrated})} \times \sqrt{\frac{(c)}{(d)} \cdot 1.0000} = \frac{1.0000}{1.0000} = \underline{652}$$

DELIVERABILITY CALCULATION

$$D = Q \quad \underline{652} \times \left(\frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} \right)^N = \underline{.9135} = \underline{.9259} = \underline{604}$$

SUMMARY

P_c = 1039

Q = 652

P_W = 440

P. = 520

D = 604

D at 250 or 500 **702**

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_____



