Form C-122-A
Revised April 20, 1955

NEW MEXICO OIL CONSERVATION COMMISSION

GAS WELL TEST DATA SHEET - - SAN JUAN BASIN

CORRECTED COPY

(TO BE USED FOR FRUITLAND, PICTURED CLIFFS, MESAVERDE, & ALL DAKOTA EXCEPT BARKER DOME STORAGE AREA)

Pool **Blanco** Formation **Mesa Verde** County **San Juan**

Purchasing Pipeline **El Paso Natural Gas Company** Date Test Filed

Operator **El Paso Natural Gas Co.** Lease **San Juan 32-9** Well No. **24**

Unit **A** Sec. **5** Twp. **31** Rge. **9** Pay Zone: From **5462** To **5896**

Casing: OD **5.5** WT. **15.5** Set At **5941** Tubing: OD **2** WT. **4.7** T. Perf. **5813**

Produced Through: Casing **X** Tubing Gas Gravity: Measured **.615** Estimated

Date of Flow Test: From **4/23** To **5/1** * Date S.I.P. Measured **2/22/56**

Meter Run Size **4** Orifice Size Type Chart **Sq. Rt.** Type Taps **Flange**

OBSERVED DATA

Flowing casing pressure (Dwt)	psig + 12 =	psia	(a)
Flowing tubing pressure (Dwt)	psig + 12 =	psia	(b)
Flowing meter pressure (Dwt)	psig + 12 =	psia	(c)
Flowing meter pressure (meter reading when Dwt. measurement taken:			
Normal chart reading	psig + 12 =	psia	(d)
Square root chart reading ( )^2 x spring constant	=	psia	(d)
Meter error (c) - (d) or (d) - (c) ±	=	psi	(e)
Friction loss, Flowing column to meter:			
(b) - (c) Flow through tubing: (a) - (c) Flow through casing	=	psi	(f)
Seven day average static meter pressure (from meter chart):			
Normal chart average reading **7.30** **10**	psig + 12 = **533**	psia	(g)
Square root chart average reading ( )^2 x sp. const.	= **533**	psia	(g)
Corrected seven day avge. meter press. (p_f) (g) + (e)	= **533**	psia	(h)
P_t = (h) + (f)	= **856**	psia	(i)
Wellhead casing shut-in pressure (Dwt) **844** **849**	psig + 12 = **861**	psia	(j)
Wellhead tubing shut-in pressure (Dwt)	psig + 12 = **856**	psia	(k)
P_c = (j) or (k) whichever well flowed through	= **539**	psia	(l)
Flowing Temp. (Meter Run) **79** °F + 460	= **428**	°Abs	(m)
P_d = ½ P_c = ½ (l)	=	psia	(n)

FLOW RATE CALCULATION

Q = (integrated) X $\left(\frac{\sqrt{(c)}}{\sqrt{(d)}} = \frac{\quad}{\quad} = \quad \right)^*$ = **621** MCF/da

DELIVERABILITY CALCULATION

$D = Q \left[\frac{(P_c^2 - P_d^2) = \cancel{448,647}\ 549,552}{(P_c^2 - P_w^2) =} \right]^n$ **1.2249** / **1.1642** = **723** MCF/da.

SUMMARY

P_c = **856**	psia	Company **El Paso Natural Gas Company**
Q = **621**	Mcf/day	By **T. Galloway**
P_w = **533**	psia	Title
P_d = **428**	psia	Witnessed by
D = **723**	Mcf/day	Company

* This is date of completion test.

* Meter error correction factor

REMARKS OR FRICTION CALCULATIONS

GL	$(1-e^{-s})$	$(F_cQ)^2$	$\frac{(F_cQ)^2 (1-e^{-s})}{R^2}$	P_t^2 (Column i)	$P_t^2 + R^2$	P_w
			FRICTION NEGLIGIBLE			

D @ 500 = 644

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