Form C-122-A
Revised April 20, 1955

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)

Pool ~~Undesignated~~ Ignacio Formation **Pictured Cliffs** County **Rio Arriba**

Purchasing Pipeline _____ Date Test Filed _____

Operator **El Paso Natural Gas** Lease **San Juan 27-4 Unit** Well No. **No. 12**

Unit **M** Sec. **30** Twp. **27N** Rge. **4W** Pay Zone: From **3571** To **3642**

Casing: OD **5-1/2** WT. **15.5** Set At **3683** Tubing: OD **2** WT. **4.7** T. Perf. **3572**

Produced Through: Casing _____ Tubing **X** Gas Gravity: Measured **.672** Estimated _____

Date of Flow Test: From **2/21/58** To **3/1/58** * Date S.I.P. Measured **10-2-57**

Meter Run Size _____ Orifice Size **1.000** Type Chart _____ Type Taps _____

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	_____ psig + 12 =	_____ psia	(g)
Square root chart average reading (**7.90**) ^{2} x sp. const. **1000**	= **624**	psia	(g)
Corrected seven day avge. meter press. (p_f) (g) + (e)	= **624**	psia	(h)
P_t = (h) + (f)	= **624**	psia	(i)
Wellhead casing shut-in pressure (Dwt) **1052**	psig + 12 = **1064**	psia	(j)
Wellhead tubing shut-in pressure (Dwt) **914**	psig + 12 = **926**	psia	(k)
P_c = (j) or (k) whichever well flowed through	= **926**	psia	(l)
Flowing Temp. (Meter Run) **34** °F + 460	= **494**	°Abs	(m)
P_d = ½ P_c = ½ (l)	= **463**	psia	(n)

FLOW RATE CALCULATION

Q = _____ (integrated) X $\left(\frac{\sqrt{(c)}}{\sqrt{(d)}} = \frac{\quad}{\quad} = \frac{\quad}{\quad}\right)^*$ = **17** MCF/da

DELIVERABILITY CALCULATION

$D = Q \left[\frac{(P_c^2 - P_d^2) = 643107}{(P_c^2 - P_w^2) = 468100}\right]^n \frac{(1.3738)^{.85}}{(1.3100)}$ = **22** MCF/da.

SUMMARY

P_c =	**926**	psia
Q =	**17**	Mcf/day
P_w =	**624**	psia
P_d =	**463**	psia
D =	**22**	Mcf/day

Company **El Paso Natural Gas**
By **Original Signed**
Title **Lewis D. Galloway**
Witnessed by _____
Company _____

* This is date of completion test.

* Meter error correction factor

REMARKS OR FRICTION CALCULATIONS

GL	$(1-e^{-s})$	$(F_cQ)2$	$\frac{(FcQ)^2 (1-e^{-s})}{R^2}$	Pt^2 (Column i)	$P_t^2 + R^2$	P_w
			Friction Negligible			

D at 250 = 27

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