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 Blanco Formation Mesa Verde County Rio Arriba

Purchasing Pipeline El Paso Natural Gas Company Date Test Filed

Operator El Paso Natural Gas Lease San Juan 28-7 Well No. 48

Unit L Sec. SW21 Twp. 28N Rge. 7W Pay Zone: From 4282 To 4994

Casing: OD 5½ WT. 15.5 Set At 5065 Tubing: OD 2 WT. 4.7 T. Perf. 4848

Produced Through: Casing ____ Tubing X Gas Gravity: Measured .700 Estimated ____

Date of Flow Test: From 6/22 To 6/30 * Date S.I.P. Measured 4/19/56

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	____ psig + 12 = ____	psia	(g)
Square root chart average reading (7.20) ^{2} x sp. const. 10	= 518	psia	(g)
Corrected seven day avge. meter press. (p_f) (g) + (e)	= 518	psia	(h)
P_t = (h) + (f)	= 518	psia	(i)
Wellhead casing shut-in pressure (Dwt) 1027	psig + 12 = 1039	psia	(j)
Wellhead tubing shut-in pressure (Dwt) 1020	psig + 12 = 1032	psia	(k)
P_c = (j) or (k) whichever well flowed through	= 1032	psia	(l)
Flowing Temp. (Meter Run) 78 °F + 460	= 538	°Abs	(m)
P_d = ½ P_c = ½ (l)	= 516	psia	(n)

FLOW RATE CALCULATION

$$Q = \text{____ (integrated)} \times \left(\frac{\sqrt{(c)}}{\sqrt{(d)}} = \text{____} = \text{____} \right)^{*} = 369 \text{ MCF/da}$$

DELIVERABILITY CALCULATION

$$D = Q \left[\frac{\left(P_c^2 - P_d^2\right) = 798{,}768}{\left(P_c^2 - P_w^2\right) = 794{,}065} \right]^{n} \quad 1.00592 \quad = 371 \text{ MCF/da.}$$

SUMMARY

P_c =	1032	psia
Q =	369	Mcf/day
P_w =	521	psia
P_d =	516	psia
D =	371	Mcf/day

Company El Paso Natural Gas Company
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
3394	.219	12.034	2,635	268,324	270,959	521

D = 500 = 371

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