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. 26

Unit M Sec. 24 Twp. 28N Rge. 7W Pay Zone: From 4935 To 5690

Casing: OD 7 WT. 20 & 23 Set At 4895 Tubing: OD 2 WT. 4.7 T. Perf. 5592

Produced Through: Casing X Tubing Gas Gravity: Measured .710 Estimated

Date of Flow Test: From 12/31/56 To 1/8/57 * Date S.I.P. Measured 8/23/55

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 7.65 10	psig + 12 = 585	psia	(g)
Square root chart average reading ( ) ^{2} x sp. const.	= 585	psia	(g)
Corrected seven day avge. meter press. (p_f) (g) + (e)	= 585	psia	(h)
P_t = (h) + (f)	= 1073	psia	(i)
Wellhead casing shut-in pressure (Dwt) 1061 920	psig + 12 = 932	psia	(j)
Wellhead tubing shut-in pressure (Dwt)	psig + 12 = 932	psia	(k)
P_c = (j) or (k) whichever well flowed through	= 932	psia	(l)
Flowing Temp. (Meter Run) 51 °F + 460	= 511	°Abs	(m)
P_d = ½ P_c = ½ (l)	= 466	psia	(n)

FLOW RATE CALCULATION

$$Q = \text{(integrated)} \times \left(\frac{\sqrt{(c)}}{\sqrt{(d)}} = \quad = \quad \right)^{*} = 131 \text{ MCF/da}$$

DELIVERABILITY CALCULATION

$$D = Q \left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} = \frac{651,468}{526,399} \right]^{n} = 131 \left[1.2375 \right]^{1.1732} = 154 \text{ MCF/da.}$$

SUMMARY

P_c =	932	psia
Q =	131	Mcf/day
P_w =	585	psia
P_d =	466	psia
D =	154	Mcf/day

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

* This is date of completion test.

* Meter error correction factor

REMARKS OR FRICTION CALCULATIONS

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

D @ 500 = 146

OIL CON. COM.
DIST. 3