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~~ S. Blanco Formation Pictured Cliffs County Rio Arriba

Purchasing Pipeline El Paso Natural Gas Date Test Filed ______

Operator El Paso Natural Gas Lease San Juan 28-6 Unit Well No. 70 (P)

Unit M Sec. 25 Twp. 27 Rge. 6 Pay Zone: From 3212 To 3256

Casing: OD 7 5/8 WT. 26.4 Set At 3383 Tubing: OD 2 WT. 4.7 T. Perf. 5189

Produced Through: Casing X Tubing ______ Gas Gravity: Measured .674 Estimated ______

Date of Flow Test: From 12/31/57 To 1/9/58 * Date S.I.P. Measured 5/15/57 (12 days)

Meter Run Size ______ Orifice Size ______ 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 (7.65) ^{2} x sp. const. 5	=	293	psia	(g)
Corrected seven day avge. meter press. (p_f) (g) + (e)	=	293	psia	(h)
P_t = (h) + (f)	=	293	psia	(i)
Wellhead casing shut-in pressure (Dwt) 1000	psig + 12 =	1012	psia	(j)
Wellhead tubing shut-in pressure (Dwt) 1000	psig + 12 =	1012	psia	(k)
P_c = (j) or (k) whichever well flowed through	=	1012	psia	(l)
Flowing Temp. (Meter Run) 60 °F + 460	=	520	°Abs	(m)
P_d = ½ P_c = ½ (l)	=	506	psia	(n)

FLOW RATE CALCULATION

$$Q = \underline{\qquad} \text{ (integrated)} \times \left(\frac{\sqrt{(c)}}{\sqrt{(d)}} = \underline{\qquad} = \underline{\qquad} \right)^{*} = 1466 \text{ MCF/da}$$

DELIVERABILITY CALCULATION

$$D = Q \; 1466 \left[\frac{\left(P_c^2 - P_d^2\right) = 768108}{\left(P_c^2 - P_w^2\right) = 938295} \right]^n \frac{.8186}{.8437} = 1237 \text{ MCF/da.}$$

SUMMARY

P_c =	1012 psia		Company	El Paso Natural Gas
Q =	1466 Mcf/day		By	
P_w =	293 psia		Title	Original Signed
P_d =	506 psia		Witnessed by	Lewis D. Galloway
D =	1237 Mcf/day		Company	

* This is date of completion test.

* Meter error correction factor

REMARKS OR FRICTION CALCULATIONS

GL	$(1-e^{-s})$	$(F_cQ)^2$ .306	$\frac{(F_cQ)^2 \; (1-e^{-s})}{R^2}$	P_t^2 (Column i)	$P_t^2 + R^2$	P_w

Friction Negligible

D at 250 = 1489

OK