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 Date Test Filed

Operator El Paso Natural Gas Lease San Juan 28-6 Well No. 74

Unit A Sec. 3 Twp. 27 Rge. 6 Pay Zone: From 4732 To 5389

Casing: OD 5-1/2 WT. 14 Set At 5440 Tubing: OD 2 WT. 4.7 T. Perf. 5295

Produced Through: Casing ____ Tubing X Gas Gravity: Measured .715 Estimated ____

Date of Flow Test: From 11/8/57 To 11/16/57 * Date S.I.P. Measured 3/5/57

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 (7.30)^2 x sp. const. .10	=	533	psia	(g)
Corrected seven day avge. meter press. (p_f) (g) + (e)	=	533	psia	(h)
P_t = (h) + (f)	=	533	psia	(i)
Wellhead casing shut-in pressure (Dwt) 1115	psig + 12 =	1127	psia	(j)
Wellhead tubing shut-in pressure (Dwt) 1111	psig + 12 =	1123	psia	(k)
P_c = (j) or (k) whichever well flowed through	=	1123	psia	(l)
Flowing Temp. (Meter Run) 39 °F + 460	=	499	°Abs	(m)
P_d = ½ P_c = ½ (1)	=	562	psia	(n)

FLOW RATE CALCULATION

$$Q = \underset{\text{(integrated)}}{\_\_\_\_} \times \left(\frac{\sqrt{(c)}}{\sqrt{(d)}} = \frac{\_\_\_\_}{\_\_\_\_} = \frac{\_\_\_\_}{\_\_\_\_} \right)^{*} = 22 \text{ MCF/da}$$

DELIVERABILITY CALCULATION

$$D = Q \left[\frac{\left(P_c^2 - P_d^2\right) = 945{,}285}{\left(P_c^2 - P_w^2\right) = 977{,}040} \right]^{n} \frac{.9674}{.9754} = 21 \text{ MCF/da.}$$

SUMMARY

P_c =	1123	psia
Q =	22	Mcf/day
P_w =	533	psia
P_d =	562	psia
D =	21	Mcf/day

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

RECEIVED
DEC 4 1957
OIL CON. COM.
DIST. 3

* 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
3786	.241	.043	Neg.			

D at 500 = 22