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)

74-707

Pool **South Blanco** Formation **Pictured Cliffs** County **Rio Arriba**

Purchasing Pipeline **El Paso Natural Gas** Date Test Filed

Operator **El Paso Natural Gas** Lease **Johnston State** Well No. **3 (P)**

Unit **A** Sec. **32** Twp. **26** Rge. **6** Pay Zone: From **2876** To **2894**

Casing: OD **7-5/8** WT. **26.4** Set At **3029** Tubing: OD **1-1/4** WT. **2.4** T. Perf. **2867**

Produced Through: Casing **X** Tubing Gas Gravity: Measured **.661** Estimated

Date of Flow Test: From **11/29/58** To **12/7/58** * Date S.I.P. Measured **8/15/58 (40)**

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 (7.10) ^{2} x sp. const. 5	=	252	psia	(g)
Corrected seven day avge. meter press. (p_f) (g) + (e)	=	252	psia	(h)
P_t = (h) + (f)	=	252	psia	(i)
Wellhead casing shut-in pressure (Dwt) 839	psig + 12 =	851	psia	(j)
Wellhead tubing shut-in pressure (Dwt) 839	psig + 12 =	851	psia	(k)
P_c = (j) or (k) whichever well flowed through	=	851	psia	(l)
Flowing Temp. (Meter Run) 60 °F + 460	=	520	°Abs	(m)
P_d = ½ P_c = ½ (l)	=	426	psia	(n)

FLOW RATE CALCULATION

$Q =$ ____ (integrated) $\times \left(\frac{\sqrt{(c)}}{\sqrt{(d)}} = \frac{\quad}{\quad} = \quad \right)^{*} =$ **995** MCF/da

DELIVERABILITY CALCULATION

$D = Q \left[\frac{(P_c^2 - P_d^2) = 542725}{(P_c^2 - P_w^2) = 660697} \right]^n \frac{.8214}{.8460} =$ **842** MCF/da.

SUMMARY

P_c =	851	psia
Q =	995	Mcf/day
P_w =	252	psia
P_d =	426	psia
D =	842	Mcf/day

Company **El Paso Natural Gas**
By Original Signed
Title Harold L. Kendrick
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 = 988

RECEIVED
DEC 24 1958
OIL CON. COM.
DIST. 3

OK