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 South Blanco Formation Pictured Cliffs County Rio Arriba

Purchasing Pipeline El Paso Natural Gas Date Test Filed

Operator El Paso Natural Gas Lease Jicarilla Well No. 4-F

Unit J Sec. 21 Twp. 26N Rge. 5W Pay Zone: From 2940 To 3002

Casing: OD 5-1/2 WT. 15.5 Set At 3059 Tubing: OD 1-1/4 WT. 2.3 T. Perf. 2926

Produced Through: Casing X Tubing Gas Gravity: Measured .702 Estimated

Date of Flow Test: From 5/1/58 To 5/9/58 * Date S.I.P. Measured 10/24/57

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 (7.75) ^{2} x sp. const. 5	=	300 ✓	psia	(g)
Corrected seven day avge. meter press. (p_f) (g) + (e)	=	300 ✓	psia	(h)
P_t = (h) + (f)	=	300 ✓	psia	(i)
Wellhead casing shut-in pressure (Dwt) 1045	psig + 12 =	1057 ✓	psia	(j)
Wellhead tubing shut-in pressure (Dwt) 1045	psig + 12 =	1057 ✓	psia	(k)
P_c = (j) or (k) whichever well flowed through	=	1057 ✓	psia	(l)
Flowing Temp. (Meter Run) 51 °F + 460	=	511 ✓	°Abs	(m)
P_d = ½ P_c = ½ (l)	=	529 ✓	psia	(n)

FLOW RATE CALCULATION

$$Q = \text{(integrated)} \times \left(\frac{\sqrt{(c)}}{\sqrt{(d)}} = \quad = \quad \right)^{*} = 330 \text{ MCF/da}$$

DELIVERABILITY CALCULATION

$$D = Q \left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n = 330 \left[\frac{837408}{1027249} \right]^{.85} = 330 \left[\frac{(.8152)^{.85}}{.8407} \right] = 277 \text{ MCF/da.}$$

SUMMARY

P_c =	1057 ✓	psia
Q =	330 ✓	Mcf/day
P_w =	300 ✓	psia
P_d =	529 ✓	psia
D =	277 ✓	Mcf/day

Company ~~El~~ El Paso Natural Gas
By Harold L. Kendrick
Title
Witnessed by
Company

* This is date of completion test.

* Meter error correction factor

REMARKS OR FRICTION CALCULATIONS

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

D at 250 = 336

RECEIVED
JUN 12 1958
OIL CON. COM.
DIST. 3