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 San Juan

Purchasing Pipeline El Paso Natural Gas Date Test Filed

Operator El Paso Natural Gas Lease Florance Well No. 9-D (P)

Unit M Sec. 17 Twp. 27 Rge. 8 Pay Zone: From 2882 To 2922

Casing: OD 7-5/8 WT. 26.4 Set At 4929 Tubing: OD 1-1/4 WT. 2.4 T. Perf. 2889

Produced Through: Casing ____ Tubing X Gas Gravity: Measured .641 Estimated ____

Date of Flow Test: From 9/7/58 To 9/15/58 * Date S.I.P. Measured 5/23/58

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 (6.90) ^{2} x sp. const. 5	= 238	psia	(g)
Corrected seven day avge. meter press. (P_f) (g) + (e)	= 238	psia	(h)
P_t = (h) + (f)	= 238	psia	(i)
Wellhead casing shut-in pressure (Dwt) 815	psig + 12 = 827	psia	(j)
Wellhead tubing shut-in pressure (Dwt) 817	psig + 12 = 829	psia	(k)
P_c = (j) or (k) whichever well flowed through	= 829	psia	(l)
Flowing Temp. (Meter Run) 71 °F + 460	= 531	°Abs	(m)
P_d = ½ P_c = ½ (l)	= 415	psia	(n)

FLOW RATE CALCULATION

$$Q = \text{(integrated)} \times \left(\frac{\sqrt{(c)}}{\sqrt{(d)}} = \frac{\quad}{\quad} = \quad \right)^{*} = 635 \text{ MCF/da}$$

DELIVERABILITY CALCULATION

$$D = Q \left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} = \frac{515{,}016}{599{,}800} \right]^{n} \frac{.8586}{.8784} = 558 \text{ MCF/da.}$$

SUMMARY

P_c =	829	psia
Q =	635	Mcf/day
P_w =	296	psia
P_d =	415	psia
D =	558	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	$(1-e^{-s})$	$(F_cQ)^2$	$\frac{(FcQ)^2 \quad (1-e^{-s})}{R^2}$	Pt^2 (Column i)	$P_t^2 + R^2$	P_w
1852	.126	244.422	30,797	56,644	87,441	296

D at 250 = 625