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)

70-672

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 28-7 Well No. 8

Unit B Sec. 18 Twp. 28 Rge. 7 Pay Zone: From 5110 To 5791

Casing: OD 7" WT. 20 Set At 5075 Tubing: OD 2" WT. 4.7 T. Perf. 5032

Produced Through: Casing ____ Tubing X Gas Gravity: Measured .684 Estimated ____

Date of Flow Test: From 6/7/58 To 6/15/58 * Date S.I.P. Measured 4/23/57 (7 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 (6.95)^2 x sp. const. 10	=	483	psia	(g)
Corrected seven day avge. meter press. (p_f) (g) + (e)	=	483	psia	(h)
P_t = (h) + (f)	=	483	psia	(i)
Wellhead casing shut-in pressure (Dwt) 859	psig + 12 =	871	psia	(j)
Wellhead tubing shut-in pressure (Dwt) 767	psig + 12 =	779	psia	(k)
P_c = (j) or (k) whichever well flowed through	=	779	psia	(l)
Flowing Temp. (Meter Run) 84 °F + 460	=	544	°Abs	(m)
P_d = ½ P_c = ½ (l)	=	390	psia	(n)

FLOW RATE CALCULATION

Q = ____ (integrated) X $\left(\frac{\sqrt{(c)}}{\sqrt{(d)}} = \frac{\quad}{\quad} = \quad \right)^*$ = 149 MCF/da

DELIVERABILITY CALCULATION

$$D = Q \left[\left(\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right) = \frac{454741}{373552} \right]^n = 149 \left[\frac{454741}{373552} \right]^{\frac{1.2173}{1.1589}} = 173 \text{ MCF/da.}$$

SUMMARY

P_c =	779	psia	
Q =	149	Mcf/day	
P_w =	483	psia	
P_d =	390	psia	
D =	173	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	$(1-e^{-S})$	$(F_cQ)^2$	$\frac{(F_cQ)^2 (1-e^{-S})}{R^2}$	P_t^2 (Column i)	$P_t^2 + R^2$	P_w
			Friction Negligible			

D at 500 = 140