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)

74750

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. **10-G**

Unit **P** Sec. **14** Twp. **26** Rge. **5** Pay Zone: From **3264** To **3318**

Casing: OD **5-1/2** WT. **15.5** Set At **3376** Tubing: OD **1-1/4** WT. **2.4** T. Perf. **3294**

Produced Through: Casing ____ Tubing **X** Gas Gravity: Measured **.690** Estimated ____

Date of Flow Test: From **1/30/59** To **2/7/59** * Date S.I.P. Measured **11/10/58**

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 (6.96)^2 x sp. const. 5	= 242	psia	(g)
Corrected seven day avge. meter press. (p_f) (g) + (e)	= 242	psia	(h)
P_t = (h) + (f)	= 242	psia	(i)
Wellhead casing shut-in pressure (Dwt) 1059	psig + 12 = 1071	psia	(j)
Wellhead tubing shut-in pressure (Dwt) 1059	psig + 12 = 1071	psia	(k)
P_c = (j) or (k) whichever well flowed through	= 1071	psia	(l)
Flowing Temp. (Meter Run) 56 °F + 460	= 516	°Abs	(m)
P_d = ½ P_c = ½ (l)	= 536	psia	(n)

FLOW RATE CALCULATION

Q = ____ (integrated) X $\left(\frac{\sqrt{(c)}}{\sqrt{(d)}} = \frac{\quad}{\quad} = \frac{\quad}{\quad} \right)^*$ = 216 MCF/da

DELIVERABILITY CALCULATION

$D = Q \left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} = \frac{859745}{1084178} \right]^n = 216 \left[\frac{859745}{1084178} \right]^{.7929/.8210} = 177$ MCF/da.

SUMMARY

P_c =	1071	psia	
Q =	216	Mcf/day	
P_w =	251	psia	
P_d =	536	psia	
D =	177	Mcf/day	

Company **El Paso Natural Gas**

By ____

Title **Original Signed**

Witnessed by **Harold L. Kendrick**

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
2273	.152	28.281	4,299	58564	62,863	251

D at 250 = 214