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 **Blanco** _____ Formation **Mesa Verde** _____ County **Rio Arriba** _____

Purchasing Pipeline **Pacific Northwest** _____ Date Test Filed _____

Operator **El Paso Natural Gas** _____ Lease **San Juan 28-6** _____ Well No. **62-22** _____

Unit **G** ___ Sec. **22** ___ Twp. **28** ___ Rge. **6** ___ Pay Zone: From **5158** ___ To **5744** ___

Casing: OD **5.5** ___ WT. **14** ___ Set At **5770** ___ Tubing: OD **2** ___ WT. **4.7** ___ T. Perf. **5662** ___

Produced Through: Casing _____ Tubing **X** ___ Gas Gravity: Measured **.716** ___ Estimated _____

Date of Flow Test: From **1-23** ___ To **1-31-58** * Date S.I.P. Measured **3-16-56 (exceeds 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 =	**623** psia	(g)
Square root chart average reading (_____) ^{2} x sp. const. _____	=	**623** psia	(h)
Corrected seven day avge. meter press. (p$_f$) (g) + (e)	=	**623** psia	(i)
P_t = (h) + (f)			(j)
Wellhead casing shut-in pressure (Dwt) **1098**	_____ psig + 12 =	**1110** psia	(j)
Wellhead tubing shut-in pressure (Dwt) **1098**	_____ psig + 12 =	**1110** psia	(k)
	=	**1110** psia	(l)
P_c = (j) or (k) whichever well flowed through	=	**508** °Abs	(m)
Flowing Temp. (Meter Run) **48** °F + 460	=	**555** psia	(n)
P_d = ½ P_c = ½ (l)			

FLOW RATE CALCULATION

$$Q = \underset{\text{(integrated)}}{\_\_\_\_\_} \times \left(\frac{\sqrt{(c)} \_\_\_\_}{\sqrt{(d)} \_\_\_\_} = \_\_\_\_\_ = \_\_\_\_\_ \right)^* = \underline{888} \text{ MCF/da}$$

DELIVERABILITY CALCULATION

$$D = Q \underline{888} \left[\frac{\left(P_c^2 - P_d^2\right) = \underline{924,075}}{\left(P_c^2 - P_w^2\right) = \underline{826,196}} \right]^n \frac{1.1184}{1.0875} = \underline{966} \text{ MCF/da.}$$

SUMMARY

P_c =	**1110**	psia
Q =	**888**	Mcf/day
P_w =	**637**	psia
P_d =	**555**	psia
D =	**966**	Mcf/day

Company **El Paso Natural Gas** _____

By _____

Title _____ Original Signed _____

Witnessed by _____ Lewis D. Galloway _____

Company _____

* This is date of completion test.
* Meter error correction factor

REMARKS OR FRICTION CALCULATIONS

GL	$(1-e^{-S})$	$(F_cQ)2$	$\dfrac{(F_cQ)^2 \quad (1-e^{-S})}{R^2}$	Pt^2 (Column i)	$P_t^2 + R^2$	P_w
4054	.255	69,706	17,775	388,129	405,904	637

D at 500 = 986