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 P.C.** Formation **Pictured Cliffs** County **Rio Arriba**

Purchasing Pipeline **El Paso Natural Gas** Date Test Filed _____

Operator **El Paso Natural Gas** Lease **Jicarilla** Well No. **8-E**

Unit **F** Sec. **20** Twp. **25** Rge. **4** Pay Zone: From **3348** To **3395**

Casing: OD **7-5/8** WT. **26.4** Set At **3348** Tubing: OD **2** WT. **4.7** T. Perf. **3358**

Produced Through: Casing **X** Tubing _____ Gas Gravity: Measured **.669** Estimated _____

Date of Flow Test: From **1/31/58** To **2/8/58** * Date S.I.P. Measured **-**

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 (**7.45**)^2 x sp. const. **5** = **278** psia (g)

Corrected seven day avge. meter press. (p_f) (g) + (e) = **278** psia (h)

P_t = (h) + (f) = **278** psia (i)

Wellhead casing shut-in pressure (Dwt) **998** psig + 12 = **1010** psia ✱ (j)

Wellhead tubing shut-in pressure (Dwt) **998** psig + 12 = **1010** psia ✱ (k)

P_c = (j) or (k) whichever well flowed through = **1010** psia (l)

Flowing Temp. (Meter Run) **56** °F + 460 = **516** °Abs (m)

$P_d = \frac{1}{2} P_c = \frac{1}{2}$ (l) = **505** psia (n)

FLOW RATE CALCULATION

$$Q = \underset{\text{(integrated)}}{\underline{\hspace{2cm}}} \times \left(\frac{\sqrt{(c)}}{\sqrt{(d)}} = \underline{\hspace{1cm}} = \underline{\hspace{1cm}} \right)^* = \textbf{1014} \text{ MCF/da}$$

DELIVERABILITY CALCULATION

$$D = Q \quad \textbf{1014} \quad \left[\frac{\left(P_c^2 - P_d^2 \right) =}{\left(P_c^2 - P_w^2 \right) =} \frac{765075}{942816} \right]^n \frac{(.8114)^{.85}}{(.8372)} = \textbf{849} \text{ MCF/da.}$$

✱ **Estimated SIP from Jicarilla 5-E. No pressures on this well available.**
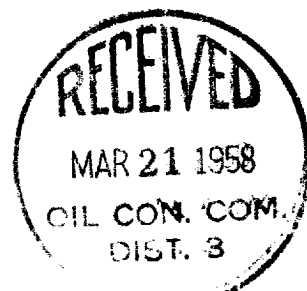
SUMMARY

P_c = **1010** psia

Q = **1014** Mcf/day

P_w = **278** psia

P_d = **505** psia

D = **849** Mcf/day

Company **El Paso Natural Gas**

By **Original Signed**

Title **Lewis D. Galloway**

Witnessed by _____

Company _____

* This is date of completion test.

* Meter error correction factor

REMARKS OR FRICTION CALCULATIONS

GL	(1-e^{-S})	(F$_c$Q)2	(FcQ)^2 (1-e^{-S}) R^2	Pt^2 (Column i)	P$_t$^{2} + R^2	P$_w$
			Friction Negligible			

D at 250 = 1022