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 **Blanco** Formation **Mesa Verde** County **San Juan**

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

Operator **El Paso Natural Gas Co.** Lease **Heiser Pool Unit** Well No. **1**

Unit **B** Sec. **15** Twp. **32** Rge. **10** Pay Zone: From **4576** To **5265**

Casing: OD **7** WT. **20** Set At **4240** Tubing: OD **2** WT. **4.7** T. Perf. **5108**

Produced Through: Casing _____ Tubing **X** Gas Gravity: Measured **.585** Estimated _____

Date of Flow Test: From **3/23/56** To **3/31/56** *Date S.I.P. Measured **7/21/55**

Meter Run Size **4** Orifice Size _____ Type Chart **Sq. Rt.** Type Taps **Flange**

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 (**7.8**) ^{2} x sp. const. **10** = **608** psia (g)

    Corrected seven day avge. meter press. (p$_f$) (g) + (e) = **608** psia (h)

P_t = (h) + (f) = **608** psia (i)

Wellhead casing shut-in pressure (Dwt) **1043** psig + 12 = **1055** psia (j)

Wellhead tubing shut-in pressure (Dwt) **1043** psig + 12 = **1055** psia (k)

P_c = (j) or (k) whichever well flowed through = **1055** psia (l)

Flowing Temp. (Meter Run) **58** °F + 460 = **518** °Abs (m)

P_d = ½ P_c = ½ (l) = **528** psia (n)

FLOW RATE CALCULATION

$$Q = \underline{\hspace{2cm}} \times \left(\frac{\sqrt{(c)}}{\sqrt{(d)}} = \underline{\hspace{1cm}} = \underline{\hspace{1cm}} \right) = \textbf{135} \text{ MCF/da}$$

(integrated)

DELIVERABILITY CALCULATION

$$D = Q\ \textbf{135}\ \left[\frac{\left(P_c^2 - P_d^2\right)=}{\left(P_c^2 - P_w^2\right)=} \frac{\textbf{834,241}}{\textbf{743,361}} \right]^n\ \frac{\textbf{1.1223}}{\textbf{1.0904}} = \textbf{147}\ \text{MCF/da.}$$

SUMMARY

P_c = **1055** psia

Q = **135** Mcf/day

P_w = **608** psia

P_d = **528** psia

D = **147** Mcf/day

Company **El Paso Natural Gas Company**

By Original Signed
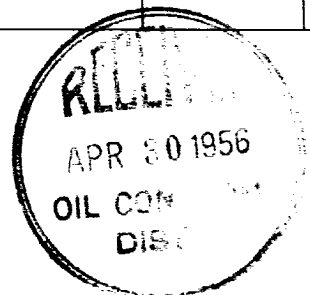
Title Lewis D. Galloway

Witnessed by _____

Company _____

* This is date of completion test.

* Meter error correction factor

REMARKS OR FRICTION CALCULATIONS

GL	$(1-e^{-s})$	$(F_cQ)2$	$(F_cQ)^2$ $(1-e^{-s})$ R^2	P_t^2 (Column i)	$P_t^2 + R^2$	P_w
			FRICTION NEGLIGIBLE			

D @ 500 = **149**