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 **Wildcat** Formation **Pictured Cliff** County **Rio Arriba**

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

Operator **El Paso Natural Gas** Lease **Harvey State** Well No. **1**

Unit **J** Sec. **16** Twp. **25N** Rge. **7W** Pay Zone: From **2588** To **2690**

Casing: OD **7** WT. **20** Set At **2588** Tubing: OD **1** WT. **1.68** T. Perf. **2644**

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

Date of Flow Test: From **See Below** To _____ * Date S.I.P. Measured **12/12/55**

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 (_____) ^{2} x sp. const. _____ = _____ psia (g)

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

P_t = (h) + (f)   = _____ psia (i)

Wellhead casing shut-in pressure (Dwt) **643** psig + 12 = _____ psia (j)

Wellhead tubing shut-in pressure (Dwt) **643** psig + 12 = _____ psia (k)

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

Flowing Temp. (Meter Run) _____ $^\circ$F + 460 = _____ $^\circ$Abs (m)

P_d = ½ P_c = ½ (l)   = _____ psia (n)

FLOW RATE CALCULATION

$$Q = \underline{\hspace{3cm}} \times \left(\frac{\sqrt{(c)} = \underline{\hspace{2cm}} = \underline{\hspace{2cm}}}{\sqrt{(d)} \quad \underline{\hspace{2cm}}} \right)^* = \underline{\hspace{2cm}} \text{MCF/da}$$

(integrated)

DELIVERABILITY CALCULATION

$$D = Q \underline{\hspace{2cm}} \left[\frac{\left(P_c^2 - P_d^2\right) = \underline{\hspace{2cm}}}{\left(P_c^2 - P_w^2\right) = \underline{\hspace{2cm}}} \right]^n \underline{\hspace{2cm}} = \mathbf{0} \quad \text{MCF/da.}$$

SUMMARY

P_c = _____ psia

Q = _____ Mcf/day

P_w = _____ psia

P_d = _____ psia

D = _____ Mcf/day

Company **El Paso Natural Gas Company**

By Original Signed

Title _____

Witnessed by **Lewis D. Galloway**

Company _____

* This is date of completion test.

* Meter error correction factor

REMARKS OR FRICTION CALCULATIONS

GL	$(1-e^{-S})$	$(F_cQ)2$	$\dfrac{(F_cQ)^2 \quad (1-e^{-S})}{R^2}$	$\dfrac{Pt^2}{\text{(Column i)}}$	$P_t^2 + R^2$	P_w

Tests were attempted as follows: January 31 - February 8, 1956; 8 to 16; March 8 to 16; March 16 to 23. In all cases, no gas _____