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 30-6__ Well No. __24__

Unit __B__ Sec. __16__ Twp. __30__ Rge. __6__ Pay Zone: From __5116__ To __5572__

Casing: OD __5.5__ WT. __14__ Set At __5640__ Tubing: OD __2__ WT. __4.7__ T. Perf. __5521__

Produced Through: Casing _____ Tubing __X__ Gas Gravity: Measured __.601__ Estimated _____

Date of Flow Test: From __11-22__ To __11-30__ * Date S.I.P. Measured __4-18-57__

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 (_____) ^{2} x sp. const. _____ = __486__ psia (g)

    Corrected seven day avge. meter press. (p_f) (g) + (e) = __486__ psia (h)

P_t = (h) + (f) = __486__ psia (i)

Wellhead casing shut-in pressure (Dwt) __654__ psig + 12 = __666__ psia (j)

Wellhead tubing shut-in pressure (Dwt) __1100__ psig + 12 = __1112__ psia (k)

P_c = (j) or (k) whichever well flowed through = __1112__ psia (l)

Flowing Temp. (Meter Run) __45__ °F + 460 = __505__ °Abs (m)

$P_d = \frac{1}{2} P_c = \frac{1}{2}$ (l) = __556__ psia (n)

FLOW RATE CALCULATION

$$Q = \underline{\hspace{3cm}} \times \left(\frac{\sqrt{(c)} = \underline{\hspace{1cm}} }{\sqrt{(d)} \quad \underline{\hspace{1cm}}} = \underline{\hspace{1cm}} \right)^* = \underline{1125}\ \text{MCF/da}$$

(integrated)

DELIVERABILITY CALCULATION

$$D = Q\ \underline{1125} \left[\begin{matrix} \left(P_c^2 - P_d^2\right) = \underline{927,408} \\ \left(P_c^2 - P_w^2\right) = \underline{976,407} \end{matrix} \right]^n \frac{.9498}{.9621} = \underline{1082}\ \text{MCF/da.}$$

SUMMARY

P_c = __1112__ psia   Company __El Paso Natural Gas__

Q = __1125__ Mcf/day   By _____

P_w = __510__ psia   Title __Original Signed__

P_d = __556__ psia   Witnessed by __Lewis D. Galloway__

D = __1082__ Mcf/day   Company _____

* This is date of completion test.

- Meter error correction factor

REMARKS OR FRICTION CALCULATIONS

GL	$(1-e^{-S})$	$(F_cQ)2$	$(F_cQ)^2$ R^2	$\frac{(1-e^{-S})}{}$	P_t^2 (Column i)	$P_t^2 + R^2$	P_w
3318	.214	111.873	23,941		236,196	260,137	510

D at 500 = 1103