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 __Ballard__ Formation __Pictured Cliff__ County __Rio Arriba__

Purchasing Pipeline __El Paso Natural Gas__ Date Test Filed _____

Operator __El Paso Natural Gas__ Lease __Hughes__ Well No. __2-30__

Unit __B__ Sec. __30__ Twp. __26__ Rge. __7__ Pay Zone: From __2164__ To __2183__

Casing: OD __5-1/2__ WT. __15.5__ Set At __2370__ Tubing: OD __1-1/4__ WT. __2.3__ T. Perf. __2164__

Produced Through: Casing __X__ Tubing _____ Gas Gravity: Measured __.675__ Estimated _____

Date of Flow Test: From __9/22__ To __9/30__ * Date S.I.P. Measured __12/19/56__

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 (__7.55__)^2 x sp. const. __5__ = __285__ psia (g)

Corrected seven day avge. meter press. (p$_f$) (g) + (e) = __285__ psia (h)

P_t = (h) + (f) = __285__ psia (i)

Wellhead casing shut-in pressure (Dwt) __779__ psig + 12 = __791__ psia (j)

Wellhead tubing shut-in pressure (Dwt) __781__ psig + 12 = __793__ psia (k)

P_c = (j) or (k) whichever well flowed through = __791__ psia (l)

Flowing Temp. (Meter Run) __62__ °F + 460 = __522__ °Abs (m)

P_d = ½ P_c = ½ (l) = __396__ psia (n)

FLOW RATE CALCULATION

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

(integrated) ... = __363__ MCF/da

DELIVERABILITY CALCULATION

$$D = Q \underline{363} \left[\frac{\left(P_c^2 - P_d^2 \right) = 438,835}{\left(P_c^2 - P_w^2 \right) = 544,455} \right]^n \quad \frac{.8011}{.8808} = \underline{320} \text{ MCF/da.}$$

SUMMARY

P_c = __791__ psia Company __El Paso Natural Gas__

Q = __363__ Mcf/day By _____ Signed

P_w = __285__ psia Title _____ Ga...

P_d = __396__ psia Witnessed by _____

D = __320__ Mcf/day Company _____

* This is date of completion test.

* Meter error correction factor

REMARKS OR FRICTION CALCULATIONS

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

D at 250 = 370