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 __El Paso Natural Gas__ Date Test Filed _____

Operator __El Paso Natural Gas__ Lease __Marshall__ Well No. __4__

Unit __L__ Sec. __33__ Twp. __29__ Rge. __7__ Pay Zone: From __9013__ To __9721__

Casing: OD __7__ WT. __20__ Set At __4945__ Tubing: OD __2__ WT. __4.7__ T. Perf. __9020__

Produced Through: Casing _____ Tubing __X__ Gas Gravity: Measured __.700__ Estimated _____

Date of Flow Test: From __5/15/58__ To __5/21/58__ * Date S.I.P. Measured __4/23/57__

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 (__7.45__) ^{2} x sp. const. __10__ = _____ 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) __851__ psig + 12 = _____ psia (j)

Wellhead tubing shut-in pressure (Dwt) __737__ psig + 12 = _____ psia (k)

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

Flowing Temp. (Meter Run) __74__ °F + 460 = _____ *Abs (m)

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

FLOW RATE CALCULATION

$$Q = \underbrace{\quad\quad}_{\text{(integrated)}} \times \left(\frac{\sqrt{(c)}}{\sqrt{(d)}} = \underline{\quad} = \underline{\quad} \right) = \underline{124} \text{ MCF/da}$$

DELIVERABILITY CALCULATION

$$D = Q\ \underline{124}\ \left[\frac{\left(P_c^2 - P_d^2\right) = \underline{558145}}{\left(P_c^2 - P_w^2\right) = \underline{436744}} \right]^n\ \frac{1.2779}{1.2015} = \underline{149} \text{ MCF/da.}$$

SUMMARY

P_c = __863__ + _____ psia

Q = __124__ Mcf/day

P_w = __555__ psia

P_d = _____ psia

D = __149__ Mcf/day

Company __El Paso Natural Gas__

By __Original Signed__

Title __Harold L. Kendrick__

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	$\frac{(F_cQ)^2 \quad (1-e^{-S})}{R^2}$	$\frac{P_t^2}{\text{(Column i)}}$	$P_t^2 + R^2$	P_w
			Friction Negligible			

+ Perforated tubing 5/5/58

D at 500 = 134