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)

74-686 J. L......

Pool __Undesignated__ Formation __Pictured Cliffs__ County __Rio Arriba__

Purchasing Pipeline __El Paso Natural Gas__ Date Test Filed ____

Operator __El Paso Natural Gas__ Lease __Jicarilla__ Well No. __6-E__

Unit __P__ Sec. __20__ Twp. __25__ Rge. __4__ Pay Zone: From __3322__ To __3358__

Casing: OD __5-1/2__ WT. __15.5__ Set At __3447__ Tubing: OD __2__ WT. __4.7__ T. Perf. __3316__

Produced Through: Casing ____ Tubing __X__ Gas Gravity: Measured __.694__ Estimated ____

Date of Flow Test: From __9/21/58__ To __10/1/58__ * Date S.I.P. Measured __5/23/58__

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 (__7.40__)^2 x sp. const. __5__ = __274__ psia (g)

   Corrected seven day avge. meter press. (p_f) (g) + (e) = __274__ psia (h)

P_t = (h) + (f)   = __274__ psia (i)

Wellhead casing shut-in pressure (Dwt) __1000__ psig + 12 = __1012__ psia (j)

Wellhead tubing shut-in pressure (Dwt) __1000__ psig + 12 = __1012__ psia (k)

P_c = (j) or (k) whichever well flowed through   = __1012__ psia (l)

Flowing Temp. (Meter Run) __69__ °F + 460 = __529__ °Abs (m)

$P_d = \frac{1}{2} P_c = \frac{1}{2}$ (l)   = __506__ psia (n)

FLOW RATE CALCULATION

$$Q = \underline{\qquad} \times \left(\frac{\sqrt{(c)} = \underline{\qquad}}{\sqrt{(d)} \quad \underline{\qquad}} = \underline{\qquad} \right)^* = \underline{2912} \text{ MCF/da}$$

(integrated)

DELIVERABILITY CALCULATION

$$D = Q \underline{2912} \left[\frac{\left(P_c^2 - P_d^2 \right) = \underline{768108}}{\left(P_c^2 - P_w^2 \right) = \underline{833628}} \right]^n \underline{\begin{array}{c} .9214 \\ .9328 \end{array}} = \underline{2716} \text{ MCF/da.}$$

SUMMARY

P_c = __1012__ psia

Q = __2912__ Mcf/day

P_w = __436__ psia

P_d = __506__ psia

D = __2716__ 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	$(1-e^{-S})$	$(F_cQ)2$	$(F_cQ)^2$ $(1-e^{-S})$ / R^2	P_t^2 (Column i)	$P_t^2 + R^2$	P_w
2301	.154	749.610	115,440	75,076	190,516	436

D at 250 = 2929