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 **South Blanco** _____ Formation **Pictured Cliffs** County **Rio Arriba**

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

Operator **El Paso Natural Gas** _____ Lease **Jicarilla** _____ Well No. **3-J**

Unit **I** Sec. **19** Twp. **26** Rge. **5** Pay Zone: From **3118** To **3156**

Casing: OD **5-1/2** WT. **15.5** Set At **3191** Tubing: OD **1-1/4** WT. **2.3** T. Perf. **3112**

Produced Through: Casing **X** Tubing _____ Gas Gravity: Measured **.712** Estimated _____

Date of Flow Test: From **12-31-57** To **1-9-58** * Date S.I.P. Measured **5-29-57 (18 day)**

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 (**9.55**)^2 x sp. const. **5** = **456** psia (g)

    Corrected seven day avge. meter press. (p_f) (g) + (e) = **456** psia (h)

P_t = (h) + (f)   = **456** psia (i)

Wellhead casing shut-in pressure (Dwt) **1003** psig + 12 = **1015** psia (j)

Wellhead tubing shut-in pressure (Dwt) **1006** psig + 12 = **1018** psia (k)

P_c = (j) or (k) whichever well flowed through   = **1015** psia (l)

Flowing Temp. (Meter Run) **50** °F + 460   = **510** °Abs (m)

P_d = ½ P_c = ½ (l)   = **508** psia (n)

FLOW RATE CALCULATION

$$Q = \underset{\text{(integrated)}}{\rule{2cm}{0.4pt}} \times \left(\frac{\sqrt{(c)}}{\sqrt{(d)}} = \rule{2cm}{0.4pt} = \rule{2cm}{0.4pt} \right)^* = \mathbf{387} \text{ MCF/da}$$

DELIVERABILITY CALCULATION

$$D = Q \underline{\mathbf{387}} \left[\frac{\left(P_c^2 - P_d^2 \right) = \mathbf{772{,}161}}{\left(P_c^2 - P_w^2 \right) = \mathbf{822{,}289}} \right]^n \frac{\mathbf{.9390}}{\mathbf{.9479}} = \underline{\mathbf{367}} \text{ MCF/da.}$$

SUMMARY

P_c = **1015** psia

Q = **387** Mcf/day

P_w = **456** psia

P_d = **508** psia

D = **367** Mcf/day

Company **El Paso Natural Gas**

By _(signature)_

Title _____

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

(handwritten: OK)

D at 250 = 442