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 _____

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

Operator **El Paso Natural Gas**   Lease **Inchrick**   Well No. **13 (M)**

Unit **G**   Sec. **5**   Twp. **29N**   Rge. **10W**   Pay Zone: From **4262** To **4505**

Casing: OD **5½** WT. **15.5** Set At **4594**   Tubing: OD **2** WT. **4.7** T. Perf. **4602**

Produced Through: Casing _____ Tubing **X**   Gas Gravity: Measured **.700** Estimated _____

Date of Flow Test: From **2/8** To **2/17/57**   * Date S.I.P. Measured **11/9/56**

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 (**7.3**)^2 x sp. const. **10**   = **533** psia   (g)

Corrected seven day avge. meter press. (p_f) (g) + (e)   = **533** psia   (h)

P_t = (h) + (f)   = **533** psia   (i)

Wellhead casing shut-in pressure (Dwt) **Pictured Cliffs** _____ psig + 12 = _____ psia   (j)

Wellhead tubing shut-in pressure (Dwt) **1164** _____ psig + 12 = **1176** psia   (k)

P_c = (j) or (k) whichever well flowed through   = **1176** psia   (l)

Flowing Temp. (Meter Run) **74** °F + 460   = **534** °Abs   (m)

$P_d = ½ P_c = ½$ (l)   = **588** psia   (n)

FLOW RATE CALCULATION

$$Q = \underline{\hspace{2cm}}_{\text{(integrated)}} \times \left(\frac{\sqrt{(c)}}{\sqrt{(d)}} = \underline{\hspace{1cm}} = \underline{\hspace{1cm}} \right)^* = \mathbf{820} \text{ MCF/da}$$

DELIVERABILITY CALCULATION

$$D = Q\,\mathbf{820} \left[\frac{\left(P_c^2 - P_d^2 \right) = \mathbf{1,037,232}}{\left(P_c^2 - P_w^2 \right) = \mathbf{1,086,463}} \right]^n \quad \frac{\mathbf{.9546}}{\mathbf{.9657}} = \mathbf{792} \text{ MCF/da.}$$

SUMMARY

P_c = **1176** psia

Q = **820** Mcf/day

P_w = **545** psia

P_d = **588** psia

D = **792** Mcf/day

Company **El Paso Natural Gas Company**

By _____

Title **Original Signed**

Witnessed by **Lewis D. Galloway**

Company _____

* This is date of completion test.

* Meter error correction factor

REMARKS OR FRICTION CALCULATIONS

GL	$(1-e^{-s})$	$(F_cQ)2$	$(FcQ)^2$ $(1-e^{-s})$ R^2	P_t^2 (Column i)	$P_t^2 + R^2$	P_w
3221	.209	59.444	12,424	284,089	296,513	545

D @ 500 = 832

OK