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)

Initial Deliverability Test

Pool _____ Formation _____ County _____

Purchasing Pipeline _____ Date Test Filed _____

Operator _____ Lease _____ Well No. _____

Unit ____ Sec. ____ Twp. ____ Rge. ____ Pay Zone: From ____ To ____

Casing: OD ____ WT. ____ Set At ____ Tubing: OD ____ WT. ____ T. Perf. ____

Produced Through: Casing ____ Tubing ____ Gas Gravity: Measured ____ Estimated ____

Date of Flow Test: From ____ To ____ *Date S.I.P. Measured ____

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 (_____) ^{2} x sp. const. _____ = _____ 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) _____ psig + 12 = _____ psia (j)

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

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

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

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

FLOW RATE CALCULATION

$$Q = \underline{\hspace{3cm}} \times \left(\frac{\sqrt{(c)} = \underline{\hspace{2cm}}}{\sqrt{(d)} \quad \underline{\hspace{2cm}}} = \underline{\hspace{2cm}} \right)^* = \underline{\hspace{2cm}} \text{MCF/da}$$

(integrated)

DELIVERABILITY CALCULATION

$$D = Q \underline{\hspace{1cm}} \left[\frac{\left(P_c^2 - P_d^2 \right) = \underline{\hspace{1cm}}}{\left(P_c^2 - P_w^2 \right) = \underline{\hspace{1cm}}} \right]^n \underline{\hspace{1cm}} = \underline{\hspace{1cm}} \text{MCF/da.}$$

SUMMARY

P_c = _____ psia

Q = _____ Mcf/day

P_w = _____ psia

P_d = _____ psia

D = _____ Mcf/day

Company _____

By ___ORIGINAL SIGNED BY I. M. STEVENS___

Title _____

Witnessed by _____

Company _____

* This is date of completion test.

* Meter error correction factor

REMARKS OR FRICTION CALCULATIONS

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