**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 _____

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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 _X_ 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)

$P_d$ = ½ $P_c$ = ½ (l) = _____ psia (n)

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### FLOW RATE CALCULATION

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

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### DELIVERABILITY CALCULATION

$$D = Q\_\_\_\_ \left[ \frac{P_c^2 - P_d^2 =\_\_\_\_}{P_c^2 - P_w^2 =\_\_\_\_} \right]^{n}\_\_\_\_ = \_\_\_\_ \text{ MCF/da.}$$

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**SUMMARY**

$P_c$ = _____ psia

$Q$ = _____ Mcf/day

$P_w$ = _____ psia

$P_d$ = _____ psia

$D$ = _____ Mcf/day

Company _____

By _____

Title _____ ORIGINAL SIGNED BY L. M. STEVENS

Witnessed by _____

Company _____

* This is date of completion test.

* Meter error correction factor

### REMARKS OR FRICTION CALCULATIONS

| GL | $(1-e^{-S})$ | $(F_cQ)2$ | $\dfrac{(F_cQ)^2 \quad (1-e^{-S})}{R^2}$ | $\dfrac{Pt^2}{\text{(Column i)}}$ | $P_t^2 + R^2$ | $P_w$ |
|---|---|---|---|---|---|---|
| 1210 | 0.148 | 2.400 | 0.339 | 315.844 | 316.470 | 360 |