Initial Deliverability Test

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

FLOW RATE CALCULATION

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

(integrated)

DELIVERABILITY CALCULATION

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

SUMMARY

P_c = _____ psia

Q = _____ Mcf/day

P_w = _____ psia

P_d = _____ psia

D = _____ Mcf/day

Company _____

By   ORIGINAL SIGNED BY L. M. STEVENS

Title _____

Witnessed by _____

Company _____

* This is date of completion test.

* Meter error correction factor

REMARKS OR FRICTION CALCULATIONS

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

RECEIVED
FEB 10 1960
OIL CON. COM.