Form C-122-A
Revised April 20, 1955

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 __UNDESIGNATED__ Formation __FARMTN SANDS__ County __SJ__

Purchasing Pipeline __EL PASO NATURAL GAS CO__ Date Test Filed __OCT. 25, 1957__

Operator __R & G DRILLING CO,__ Lease __PHILLIPS__ Well No. __27__

Unit __N__ Sec. __22__ Twp. __28N__ Rge. __11W__ Pay Zone: From __1560__ To __1678__

Casing: OD __5½__ WT. ____ Set At __1678__ Tubing: OD __2"__ WT. ____ T. Perf. __718__

Produced Through: Casing __X__ Tubing ____ Gas Gravity: Measured __.650__ Estimated ____

Date of Flow Test: From ____ To ____ *Date S.I.P. Measured __11-20-56__

Meter Run Size __4"__ Orifice Size __.500__ Type Chart __SR__ Type Taps __FLANGE__

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 (__6.80__) ^{2} x sp. const. __500__ = __231__ psia   (g)

Corrected seven day avge. meter press. (p$_f$) (g) + (e)   = _____ psia   (h)

P_t = (h) + (f)   = __231__ psia   (i)

Wellhead casing shut-in pressure (Dwt) __360__ psig + 12 = __372__ psia   (j)

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

P_c = (j) or (k) whichever well flowed through   = __372__ psia   (l)

Flowing Temp. (Meter Run) __63__ °F + 460   = __523__ °Abs   (m)

P_d = ½ P_c = ½ (l)   = __186__ psia   (n)

$$\overset{\displaystyle \text{FLOW RATE CALCULATION}}{}$$

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

DELIVERABILITY CALCULATION

$$D = Q \underset{}{219} \left[\frac{\left(P_c^2 - P_d^2\right) = 103,788}{\left(P_c^2 - P_w^2\right) = 85,823} \right]^n \quad 1.1847 \quad = \quad 259 \text{ MCF/da.}$$

SUMMARY

P_c = __372__ psia   Company __GEOLECTRIC, INC.__

Q = __219__ Mcf/day   By __B H KEVES__

P_w = __231__ psia   Title __AGENT__

P_d = __186__ psia   Witnessed by _____

D = __259__ Mcf/day   Company _____

* This is date of completion test.
* Meter error correction factor

REMARKS OR FRICTION CALCULATIONS

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