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 __Mesaverde__ County __San Juan__

Purchasing Pipeline __Southern Union Gas Co.__ Date Test Filed __12-27-61__

Operator __Consolidated Oil & Gas, Inc__ Lease __Price__ Well No. __1-15__

Unit __N__ Sec. __15__ Twp. __31N__ Rge. __13W__ Pay Zone: From __4347__ To __4420__

Casing: OD __5 1/2__ WT. __14&15.5__ Set At __6674__ Tubing: OD __1.315__ WT. __1.80__ T. Perf. __4277__

Produced Through: Casing _____ Tubing __X__ Gas Gravity: Measured __.684__ Estimated _____

Date of Flow Test: From __11-25-61__ To __12-5-61__ * Date S.I.P. Measured __12-9-61__

Meter Run Size __4.000__ Orifice Size __0.500__ Type Chart __L-10__ Type Taps __Flange__

OBSERVED DATA

Flowing casing pressure (Dwt) __556__ psig + 12 = __568__ psia (a)

Flowing tubing pressure (Dwt) __554__ psig + 12 = __566__ psia (b)

Flowing meter pressure (Dwt) __544__ psig + 12 = __556__ psia (c)

Flowing meter pressure (meter reading when Dwt. measurement taken:

    Normal chart reading _____ psig + 12 = _____ psia (d)

    Square root chart reading (__7.58__)^2 x spring constant __10__ = __575__ psia (d)

Meter error (c) - (d) or (d) - (c) $\pm$ = __-19__ psi (e)

Friction loss, Flowing column to meter:

    (b) - (c) Flow through tubing: (a) - (c) Flow through casing = __10__ psi (f)

Seven day average static meter pressure (from meter chart):

    Normal chart average reading _____ psig + 12 = _____ psia (g)

    Square root chart average reading (__7.5__)^2 x sp. const. __10__ = __563__ psia (g)

    Corrected seven day avge. meter press. (p_f) (g) + (e) = __544__ psia (h)

P_t = (h) + (f) = __554__ psia (i)

Wellhead casing shut-in pressure (Dwt) __697__ psig + 12 = __709__ psia (j)

Wellhead tubing shut-in pressure (Dwt) __697__ psig + 12 = __709__ psia (k)

P_c = (j) or (k) whichever well flowed through = __709__ psia (l)

Flowing Temp. (Meter Run) __46__ °F + 460 = __506__ °Abs (m)

P_d = ½ P_c = ½ (l) = ~~350~~ 355 psia (n)

FLOW RATE CALCULATION

$$Q = \underline{9}_{\text{(integrated)}} \quad X \quad \left(\frac{\sqrt{(c)} = 23.57965}{\sqrt{(d)} \quad 23.97916} = .9833 \right) = \underline{9} \text{ MCF/da}$$

DELIVERABILITY CALCULATION

$$D = Q \underline{9} \left[\frac{P_c^2 - P_d^2 = 373800}{P_c^2 - P_w^2 = 195765} \right]^n \quad 1.624 = \underline{15} \text{ MCF/da.}$$

SUMMARY

P_c = __709__ psia

Q = __9__ Mcf/day

P_w = __554__ psia

P_d = ~~350~~ 355 psia

D = __15__ Mcf/day

Company __Consolidated Oil &__

By _____

Title __Chief Engineer__

Witnessed by _____

Company _____

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

REMARKS OR FRICTION CALCULATIONS

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

OK