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 ___BLANCO MESA VERDE___ Formation ___MESA VERDE___ County ___RIO ARRIBA___

Purchasing Pipeline ___PACIFIC NORTHWEST PIPELINE CORPORATION___ Date Test Filed ___JAN 17 1957___

Operator ___Pacific Northwest Pipeline___ Lease ___San Juan 30-5___ Well No. ___3-9___

Unit ___N___ Sec. ___9___ Twp. ___30___ Rge. ___5___ Pay Zone: From ___5810___ To ___5862___

Casing: OD ___7"___ WT. ___20 & 23___ Set At ___5163___ Tubing: OD ___2 3/4___ WT. _____ T. Perf. ___5752___

Produced Through: Casing ___ ___ Tubing ___X___ Gas Gravity: Measured ___ ___ Estimated ___.650___

Date of Flow Test: From ___12-3-56___ To ___12-11-56___ * Date S.I.P. Measured ___5-8-56___

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. ___755___ = ___747___ psia (g)

Corrected seven day avge. meter press. (p_f) (g) + (e) = ___747___ psia (h)

P_t = (h) + (f) = ___747___ psia (i)

Wellhead casing shut-in pressure (Dwt) ___1080___ psig + 12 = ___1092___ psia (j)

Wellhead tubing shut-in pressure (Dwt) ___1080___ psig + 12 = ___1092___ psia (k)

P_c = (j) or (k) whichever well flowed through = ___1092___ psia (l)

Flowing Temp. (Meter Run) ___52___ °F + 460 = ___512___ °Abs (m)

P_d = ½ P_c = ½ (l) = ___546___ psia (n)

FLOW RATE CALCULATION

$$Q = \underset{\text{(integrated)}}{\underline{76}} \quad X \quad \left(\frac{\sqrt{(c)}}{\sqrt{(d)}} = \underline{} = \underline{} \right) = \underline{} \text{MCF/da}$$

DELIVERABILITY CALCULATION

$$D = Q \underline{76} \left[\frac{P_c^2 - P_d^2 =}{P_c^2 - P_w^2 =} \underline{} \right]^n \frac{(1.092)^{.75}}{1.069} = \underline{76} \text{MCF/da.}$$

SUMMARY

P_c = ___1092___ psia

Q = ___76___ Mcf/day

P_w = ___747___ psia

P_d = ___546___ psia

D = ___76___ Mcf/day

Company ___Pacific Northwest Pipeline Corp.___

By ___Donald C. Adams___

Title ___Well Test Engineer___

Witnessed by _____

Company _____

* This is date of completion test.

* Meter error correction factor

REMARKS OR FRICTION CALCULATIONS

GL	$(1-e^{-S})$	$(F_cQ)2$	$\frac{(F_cQ)^2 \quad (1-e^{-S})}{R^2}$	$\frac{Pt^2}{\text{(Column i)}}$	$P_t^2 + R^2$	P_w
			FRICTION NEGLIGIBLE Pw = Pt	=		

9-N.M.O.C.C.-Aztec
1-L. C. Truby
2-Wayne Smith (Phillips)
1-File