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)

Pool Blanco Mesaverde Formation Mesaverde County Rio Arriba

Purchasing Pipeline Pacific Northwest Pipeline Corporation Date Test Filed January 7, 1957

Operator Pacific Northwest Pipeline Lease San Juan Unit 32-8 Well No. 9-20

Unit L Sec. 20 Twp. 32 Rge. 8 Pay Zone: From 5910 To 6082

Casing: OD 5 1/2 WT. 15.5 Set At 6284 Tubing: OD 2 3/8 WT. 4.7 T. Perf. 6230

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

Date of Flow Test: From 10-4-56 To 10-10-56* Date S.I.P. Measured 11-17-55

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.	=	448	psia	(g)
Corrected seven day avge. meter press. (p_f) (g) + (e)	=		psia	(h)
P_t = (h) + (f)	=	448	psia	(i)
Wellhead casing shut-in pressure (Dwt) 1,000	psig + 12 =	1012	psia	(j)
Wellhead tubing shut-in pressure (Dwt) * 225	psig + 12 =	237	psia	(k)
P_c = (j) or (k) whichever well flowed through	=	1012	psia	(l)
Flowing Temp. (Meter Run) 47 °F + 460	=	507	°Abs	(m)
$P_d = ½ P_c = ½$ (l)	=	506	psia	(n)

FLOW RATE CALCULATION

Q = 171 (integrated) X $\left(\frac{\sqrt{(c)}}{\sqrt{(d)}} = \_\_\_ = \_\_\_ \right)$ * = ____ MCF/da

DELIVERABILITY CALCULATION

$$D = Q\ 171 \left[\frac{\left(P_c^2 - P_d^2\right) = 760,180}{\left(P_c^2 - P_w^2\right) = 822,762} \right]^n (.9336)^{.75} = .9498 = 162\ \text{MCF/da.}$$

SUMMARY

P_c = 1012 psia	Company Pacific Northwest Pipeline Corp.
Q = 171 Mcf/day	By Donald C. Aiken
P_w = 448 psia	Title Well Test Engineer
P_d = 506 psia	Witnessed by
D = 162 Mcf/day	Company

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

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JAN 10 1957
OIL CON. COM.
DIST. 3

REMARKS OR FRICTION CALCULATIONS

GL	(1-e^{-s})	(F_cQ)2	(FcQ)^2 (1-e^{-s}) R^2	Pt^2 (Column i)	$P_t^2 + R^2$	P_w
4050	.255	2586	659	200704	201363	448

*SIPC used in place of SIPT

3-N.M.O.C.C.-Aztec
2-Phillips Petroleum-Wayne Smith
1-L. G. Truby
1-File

OK