Form C-122-A
Revised April 20, 1955

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 Blanco Formation Mesaverde County Rio Arriba

Purchasing Pipeline Pacific Northwest Pipeline Corporation Date Test Filed January 8, 1957

Operator Pacific Northwest Pipeline Lease San Juan Unit 29-6 Well No. 10-B

Unit B Sec. 2 Twp. 29 Rge. 6 Pay Zone: From 5268 To 5742

Casing: OD 7" WT. 23 Set At 5207 Tubing: OD 2 3/8 WT. 4.7 T. Perf. 5655

Produced Through: Casing — — Tubing X Gas Gravity: Measured .675 Estimated

Date of Flow Test: From 11-18-56 To 11-26-56 * Date S.I.P. Measured 10-29-56

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.	=	475	psia	(g)
Corrected seven day avge. meter press. (p_f) (g) + (e)	=		psia	(h)
P_t = (h) + (f)	=	475	psia	(i)
Wellhead casing shut-in pressure (Dwt) 1099	psig + 12 =	1111	psia	(j)
Wellhead tubing shut-in pressure (Dwt) 1097	psig + 12 =	1109	psia	(k)
P_c = (j) or (k) whichever well flowed through	=	1109	psia	(l)
Flowing Temp. (Meter Run) 71 °F + 460	=	531	°Abs	(m)
P_d = ½ P_c = ½ (l)	=	555	psia	(n)

FLOW RATE CALCULATION

$$Q = 1206 \text{ (integrated)} \times \left(\frac{\sqrt{(c)}}{\sqrt{(d)}} = \quad = \quad \right)^{*} = \quad \text{MCF/da}$$

DELIVERABILITY CALCULATION

$$D = Q\,1206 \left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} = \frac{921,096}{911,708} \right]^{.75} = .9612 = 1159 \text{ MCF/da.}$$

SUMMARY

P_c =	1109 psia	Company	Pacific Northwest Pipeline Corporation
Q =	1206 Mcf/day	By	Donald C. Adams
P_w =	908-507 psia	Title	Well Test Engineer
P_d =	555 psia	Witnessed by	
D =	1159 Mcf/day	Company	

* This is date of completion test.

* Meter error correction factor

RECEIVED
JAN 10 1957
OIL CON. COM.
DIST. 3

REMARKS OR FRICTION CALCULATIONS

GL	$(1-e^{-s})$	$(F_cQ)2$	$\frac{(FcQ)^2}{R^2}$ $(1-e^{-s})$	Pt^2 (Column i)	P_t^2	P_c^2
381.7	.242	1346.66	31,113 / 32468	225,625	250,172 - 507	908

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