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 Mesa Verde Formation Mesa Verde County Rio Arriba

Purchasing Pipeline Pacific Northwest Pipeline Corp. Date Test Filed 1-16-57 *

Operator Pacific Northwest Lease San Juan Unit 29-6 Well No. 9-36

Unit M Sec. 36 Twp. 29 Rge. 6 Pay Zone: From 5123 To 5690

Casing: OD 7" WT. 20# Set At 5075 Tubing: OD 2 3/8 WT. 4.7 T. Perf. 5648

Produced Through: Casing ____ Tubing X Gas Gravity: Measured .680 Estimated ____

Date of Flow Test: From 11-17-56 To 11-25-56 Date S.I.P. Measured 7-26-54

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. = 461 psia			(g)
Corrected seven day avge. meter press. (p_f) (g) + (e) = ____ psia			(h)
P_t = (h) + (f) = 461 psia			(i)
Wellhead casing shut-in pressure (Dwt) 1037 psig + 12 = 1049 psia			(j)
Wellhead tubing shut-in pressure (Dwt) 1033 psig + 12 = 1045 psia			(k)
P_c = (j) or (k) whichever well flowed through = 1045 psia			(l)
Flowing Temp. (Meter Run) 67 °F + 460 = 527 °Abs			(m)
P_d = ½ P_c = ½ (l) = 523 psia			(n)

FLOW RATE CALCULATION

$$Q = 453 \text{ (integrated)} \times \left(\frac{\sqrt{(c)}}{\sqrt{(d)}} = \frac{\quad}{\quad} = \quad \right)^* = \quad \text{MCF/da}$$

DELIVERABILITY CALCULATION

$$D = Q \left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} = \frac{218496}{179878} \right]^n \quad (.9351)^{.75} = .9518 \quad 431 \text{ MCF/da.}$$

SUMMARY

P_c =	1045	psia
Q =	453	Mcf/day
P_w =	466	psia
P_d =	523	psia
D =	431	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	$(1-e^{-s})$	$(F_cQ)^2$	$\frac{(FcQ)^2}{R^2}$ $(1-e^{-s})$	Pt^2 (Column i)	$P_t^2 + R^2$	P_w
3041	.244	18,139	4426	[illegible]	216947	466

RECEIVED
JAN 18 1957
OIL CON. COM.
DIST. 3

3- NMOCC
2- Phillips Petro (Wayne Smith)
1- File

OK