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 MESAVERDE Formation MESAVERDE County SAN JUAN

Purchasing Pipeline PACIFIC NORTHWEST PIPELINE CORPORATION Date Test Filed JANUARY 16, 1957

Operator Pacific Northwest Pipeline Lease San Juan Unit 32-7 Well No. 8-17

Unit L Sec. 17 Twp 31 Rge. 7 Pay Zone: From 5370 To 5764

Casing: OD 5 1/2 WT. 14 Set At 5810 Tubing: OD 2 3/8 WT. 4.7 T. Perf. 5609

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

Date of Flow Test: From 12-10-56 To 12-18-56* Date S.I.P. Measured 9-25-55

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. 580	=	592	psia	(g)
Corrected seven day avge. meter press. (p_f) (g) + (e)	=		psia	(h)
P_t = (h) + (f)	=	592	psia	(i)
Wellhead casing shut-in pressure (Dwt) 1093	psig + 12 =	1105	psia	(j)
Wellhead tubing shut-in pressure (Dwt) 1093	psig + 12 =	1105	psia	(k)
P_c = (j) or (k) whichever well flowed through	=	1105	psia	(l)
Flowing Temp. (Meter Run) 46 °F + 460	=	506	°Abs	(m)
P_d = ½ P_c = ½ (l)	=	553	psia	(n)

FLOW RATE CALCULATION

Q = 259 (integrated) X ($\sqrt{(c)}$ / $\sqrt{(d)}$ = ____ = ____)* = ____ MCF/da

DELIVERABILITY CALCULATION

D = Q 259 $\left[\frac{P_c^2 - P_d^2 = 919816}{P_c^2 - P_w^2 = 864180}\right]^n$ $\frac{(1.0530)^{.75}}{1.0394}$ = 269 MCF/da.

SUMMARY

P_c =	1105	psia
Q =	259	Mcf/day
P_w =	593	psia
P_d =	553	psia
D =	269	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	$(1-e^{-s})$	$(F_cQ)2$	$(F_cQ)^2$ $(1-e^{-s})$ / R^2	Pt^2 (Column i)	$P_t^2 + R^2$	P_w
3646	.233	5989	1381	350464	[illegible]	593

3-N.M.O.C.C.-Aztec
2-Phillips Petroleum(Wayne Smith)
1-File

OK

RECEIVED
JAN 18 57
OIL CON. COM.
DIST. 3