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 [illegible] Formation [illegible] County RIO ARRIBA

Purchasing Pipeline [illegible] Date Test Filed [illegible]

Operator Pacific Northwest Pipeline Lease San Juan Unit 31-6 Well No. [illegible]

Unit K Sec. [illegible] Twp. 31 Rge. 6 Pay Zone: From [illegible] To [illegible]

Casing: OD 7" WT. [illegible] Set At [illegible] Tubing: OD 1" WT. [illegible] T. Perf. [illegible]

Produced Through: Casing X Tubing ____ Gas Gravity: Measured ____ Estimated [illegible]

Date of Flow Test: From [illegible] To 1-1-57 * Date S.I.P. Measured 8-1-54

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. 477	=	489	psia	(g)
Corrected seven day avge. meter press. (p_f) (g) + (e)	=		psia	(h)
P_t = (h) + (f)	=	[illegible]	psia	(i)
Wellhead casing shut-in pressure (Dwt) 809	psig + 12 =	[illegible]	psia	(j)
Wellhead tubing shut-in pressure (Dwt) 808	psig + 12 =	[illegible]	psia	(k)
P_c = (j) or (k) whichever well flowed through	=	[illegible]	psia	(l)
Flowing Temp. (Meter Run) 51 °F + 460	=		°Abs	(m)
P_d = ½ P_c = ½ (l)	=	[illegible]	psia	(n)

FLOW RATE CALCULATION

$$Q = \underset{\text{(integrated)}}{80} \times \left(\frac{\sqrt{(c)}}{\sqrt{(d)}} = \_\_\_ = \_\_\_ \right)^{*} = \_\_\_ \text{ MCF/da}$$

DELIVERABILITY CALCULATION

$$D = Q \; 80 \left[\frac{(P_c^2 - P_d^2) = 583100}{(P_c^2 - P_w^2) = 436900} \right]^{n} \frac{(1.1614)^{.75}}{1.1188} = 82 \text{ MCF/da.}$$

SUMMARY

P_c = 821	psia	Company Pacific Northwest Pipeline Corp.	
Q = 80	Mcf/day	By Donald C. Alsup	
P_w = 661	psia	Title Well Test Engineer	
P_d = 411	psia	Witnessed by ____	
D = 82	Mcf/day	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
			FRICTION NEGLIGIBLE Pw = Pt			

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

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JAN 26 1957
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