3-N.M.O.C.C. Aztec
1-Bill Cuhler
1-L. D. Galloway
1-Wayne Smith
2-File

Initial Deliverability Test

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 Formation Mesa Verde County Rio Arriba

Purchasing Pipeline PACIFIC NORTHWEST PIPELINE CORPORATION Date Test Filed 1-28-58

Operator PACIFIC NORTHWEST PIPELINE Lease San Juan 30-7 Well No. 17-17

Unit A Sec. 17 Twp. 31N Rge. 7W Pay Zone: From 5934' To 5954'

Casing: OD 5-1/2" WT. 14.0 Set At 5955' Tubing: OD 1-1/4" WT. ____ T. Perf. 5906'

Produced Through: Casing ____ Tubing x x Gas Gravity: Measured .577 Estimated ____

Date of Flow Test: From 12-31-57 To 1-8-58 * Date S.I.P. Measured 10-29-57

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	463 psig + 12 =	475	psia (g)
Square root chart average reading (____)^2 x sp. const.	=	475	psia (g)
Corrected seven day avge. meter press. (p_f) (g) + (e)	=	475	psia (h)
P_t = (h) + (f)	=	475	psia (i)
Wellhead casing shut-in pressure (Dwt)	1175 psig + 12 =	1187	psia (j)
Wellhead tubing shut-in pressure (Dwt)	1170 psig + 12 =	1182	psia (k)
P_c = (j) or (k) whichever well flowed through	=	1187	psia (l)
Flowing Temp. (Meter Run)	50 °F + 460 =	510	°Abs (m)
P_d = ½ P_c = ½ (l)	=	593.5	psia (n)

FLOW RATE CALCULATION

$Q =$ 580 (integrated) $\times \left(\frac{\sqrt{(c)}}{\sqrt{(d)}} = \frac{\quad}{\quad} = \frac{\quad}{\quad} \right)^{*} =$ ____ MCF/da

DELIVERABILITY CALCULATION

$$D = Q \left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n = 580 \left[\frac{1,096,787}{1,138,482} \right]^{.75} \frac{(0.9882)}{0.9457} = 549 \text{ MCF/da.}$$

SUMMARY

P_c =	1187 psia	Company	PACIFIC NORTHWEST PIPELINE
Q =	580 Mcf/day	By	Original signed by G. H. Peppin
P_w =	580 psia	Title	District Proration Engineer
P_d =	593.5 psia	Witnessed by	
D =	549 Mcf/day	Company	

* This is date of completion test.

* Meter error correction factor

REMARKS OR FRICTION CALCULATIONS

GL	$(1-e^{-s})$	$(F_cQ)2$	$\frac{(FcQ)^2 \quad (1-e^{-s})}{R^2}$	Pt^2 (Column i)	$P_t^2 + R^2$	P_w
3408	0.880	203.918	44.862	225.625	270.487	580

RECEIVED
JAN 29 1958
OIL CON. COM.
DIST. 3