3-N. M. O. C. C. Aztec
1-Bill Cutler
1-L. D. Galloway
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 11-26-57

Operator PACIFIC NORTHWEST PIPELINE Lease San Juan 29-6 Well No. 1-3

Unit A Sec. 3 Twp. 29N Rge. 6W Pay Zone: From 5237' To 6022'

Casing: OD 7" WT. 23# Set At 5182' Tubing: OD 2-3/8" WT. 4.7 T. Perf. 5206'

Produced Through: Casing ____ Tubing X X Gas Gravity: Measured .685 Estimated ____

Date of Flow Test: From 10-16-57 To 10-23-57* Date S.I.P. Measured 1-30-53

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):	595	607	
Normal chart average reading ____ psig + 12 = ____	595	607	psia (g)
Square root chart average reading (____)^2 x sp. const. ____ = ____			psia (g)
Corrected seven day avge. meter press. (p_f) (g) + (e) = ____			psia (h)
P_t = (h) + (f) = ____		607	psia (i)
Wellhead casing shut-in pressure (Dwt) ____ psig + 12 = ____	1095	1107	psia (j)
Wellhead tubing shut-in pressure (Dwt) ____ psig + 12 = ____	1095	1107	psia (k)
P_c = (j) or (k) whichever well flowed through = ____		1107	psia (l)
Flowing Temp. (Meter Run) ____ °F + 460 = ____	60	520	°Abs (m)
P_d = ½ P_c = ½ (l) = ____		553.5	psia (n)

FLOW RATE CALCULATION

Q = 296 (integrated) X $\left(\frac{\sqrt{(c)}}{\sqrt{(d)}} = \frac{\quad}{\quad} = \quad \right)^*$ = ____ MCF/da

DELIVERABILITY CALCULATION

$D = Q \left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} = \frac{919,087}{855,234} \right]^n \frac{(1.075)^{.75}}{(1.0556)} = 312$ MCF/da.

SUMMARY

P_c =	1107	psia
Q =	296	Mcf/day
P_w =	608	psia
P_d =	553.5	psia
D =	312	Mcf/day

Company PACIFIC NORTHWEST PIPELINE CORP.
By Original signed by G. H. Peppin
Title District Production Engineer
Witnessed by ____
Company ____

* This is date of completion test.

* Meter error correction factor

REMARKS OR FRICTION CALCULATIONS

GL	$(1-e^{-S})$	$(F_cQ)2$	$\frac{(FcQ)^2 \quad (1-e^{-S})}{R^2}$	Pt^2 (Column i)	$P_t^2 + R^2$	P_w
3566	0.228	1.745	1.766	368.449	370.215	608

RECEIVED
NOV 27 1957
OIL CON. COM.
DIST. 3