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 JAN 9 1957

Operator PACIFIC NORTHWEST Lease COOK CANYON Well No. 6-16

Unit A Sec. 16 Twp. 32 Rge. 11 Pay Zone: From 5116 To 5748

Casing: OD 5" WT. 11.5 Set At 5749 Tubing: OD 2-3/8 WT. 4.7 T. Perf. 5720

Produced Through: Casing - Tubing X Gas Gravity: Measured .665 Estimated

Date of Flow Test: From 11-9-56 To 11-17-56 * Date S.I.P. Measured 3-15-56

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.	=	563	psia	(g)
Corrected seven day avge. meter press. (p_f) (g) + (e)	=		psia	(h)
P_t = (h) + (f)	=	563	psia	(i)
Wellhead casing shut-in pressure (Dwt) 1059	psig + 12 =	1071	psia	(j)
Wellhead tubing shut-in pressure (Dwt) 1060	psig + 12 =	1072	psia	(k)
P_c = (j) or (k) whichever well flowed through	=	1072	psia	(l)
Flowing Temp. (Meter Run) 96 °F + 460	=	556	°Abs	(m)
P_d = ½ P_c = ½ (l)	=	536	psia	(n)

FLOW RATE CALCULATION

Q = 3123 (integrated) X $\left(\frac{\sqrt{(c)}}{\sqrt{(d)}} = \quad = \quad \right)^*$ = MCF/da

DELIVERABILITY CALCULATION

D = Q 3123 $\left[\frac{(P_c^2 - P_d^2) = 861888}{(P_c^2 - P_w^2) = 623580} \right]^n$ (1.382)$^{.75}$ = 1.2745 = 3980 MCF/da.

SUMMARY

P_c = 1072 psia
Q = 3123 Mcf/day
P_w = 725 psia
P_d = 536 psia
D = 3980 Mcf/day

Company Pacific Northwest Pipeline Corp.
By Donald C. Adams
Title Well Test Engineer
Witnessed by
Company

RECEIVED
JAN 10 1957
OIL CON. COM.
DIST. 3

* This is date of completion test.
* Meter error correction factor

REMARKS OR FRICTION CALCULATIONS

GL	$(1-e^{-S})$	$(F_cQ)^2$	$\frac{(FcQ)^2 \quad (1-e^{-S})}{R^2}$	P_t^2 (Column i)	$P_t^2 - R$	P_w
3804	.242	862,127	208,635	316969	525604	725

3-N.M.O.C.C.-Aztec
1-L.G. Truby
3-File

OK