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 28-4 Well No. 5-32

Unit H Sec. 32 Twp. 28N Rge. 4W Pay Zone: From 6064' To 6350'

Casing: OD 7" WT. 23# Set At 6064' Tubing: OD 2-3/8" WT. 4.7 T. Perf. 6644'

Produced Through: Casing ____ Tubing X Gas Gravity: Measured .688 Estimated ____

Date of Flow Test: From 9-30-57 To 10-8-57 * Date S.I.P. Measured 11-28-55

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	509 psig + 12 =	521	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)	=	521	psia	(i)
Wellhead casing shut-in pressure (Dwt)	1159 psig + 12 =	1171	psia	(j)
Wellhead tubing shut-in pressure (Dwt)	1163 psig + 12 =	1175	psia	(k)
P_c = (j) or (k) whichever well flowed through	=	1175	psia	(l)
Flowing Temp. (Meter Run)	60 °F + 460 =	520	°Abs	(m)
P_d = ½ P_c = ½ (l)	=	587.5	psia	(n)

FLOW RATE CALCULATION

$$Q = 79 \text{ (integrated)} \times \left(\frac{\sqrt{(c)}}{\sqrt{(d)}} = \frac{\quad}{\quad} = \quad \right)^{*} = \quad \text{MCF/da}$$

DELIVERABILITY CALCULATION

$$D = Q\,79 \left[\left(\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right) = \frac{1,035,469}{1,109,184} \right]^{n} \frac{(0.9335)^{.75}}{(0.9498)} = 75 \text{ MCF/da.}$$

SUMMARY

P_c =	1175 psia	Company	PACIFIC NORTHWEST PIPELINE CORP.
Q =	79 Mcf/day	By	Original signed by G. H. Peppin
P_w =	528 psia	Title	District Proration Engineer
P_d =	587.5 psia	Witnessed by	
D =	75 Mcf/day	Company	

* This is date of completion test.

* Meter error correction factor

REMARKS OR FRICTION CALCULATIONS

GL	$(1-e^{-s})$	$(F_cQ)^2$	$\frac{(FcQ)^2 \quad (1-e^{-s})}{R^2}$	P_t^2 (Column i)	$P_t^2 + R^2$	P_w

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