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 CORP. Date Test Filed 11-26-57

Operator PACIFIC NORTHWEST PIPELINE Lease San Juan 29-4 Well No. 7-8

Unit D Sec. 8 Twp. 29N Rge. 4W Pay Zone: From 6366' To 5986'

Casing: OD ____ WT. ____ Set At ____ Tubing: OD 2-3/8" WT. 4.7 T. Perf. 5859'

Produced Through: Casing ____ Tubing ✓ Gas Gravity: Measured .618 Estimated ____

Date of Flow Test: From 10-8-57 To 10-16-57* Date S.I.P. Measured 10-15-57

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 587	psig + 12 =	587	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)	=	527	psia (i)
Wellhead casing shut-in pressure (Dwt)	____ psig + 12 =	~~587~~	psia (j)
Wellhead tubing shut-in pressure (Dwt) 1052	psig + 12 =	1064	psia (k)
P_c = (j) or (k) whichever well flowed through	=	1064	psia (l)
Flowing Temp. (Meter Run) 58 °F + 460	=	518	°Abs (m)
P_d = ½ P_c = ½ (l)	=	532	psia (n)

FLOW RATE CALCULATION

Q = 565 (integrated) X $\left(\frac{\sqrt{(c)}}{\sqrt{(d)}} = \frac{\quad}{\quad} = \quad\right)^n$ = ____ MCF/da

DELIVERABILITY CALCULATION

$D = Q \left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} = \frac{819,072}{817,821}\right]^n$ $(1.001)^{.75}$ = 565 MCF/da.

SUMMARY

P_c =	1064 psia	Company	PACIFIC NORTHWEST PIPELINE CORP.
Q =	565 Mcf/day	By	Original signed by G. H. Poppin
P_w =	533 psia	Title	District Production Engineer
P_d =	532 psia	Witnessed by	
D =	565 Mcf/day	Company	

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

REMARKS OR FRICTION CALCULATIONS

GL	$(1-e^{-s})$	$(F_cQ)2$	$\frac{(FcQ)^2}{R^2}$ $(1-e^{-s})$	Pt^2 (Column i)	$P_t^2 + R^2$	P_w
3602	.238	88,217	6,546	277,729	[illegible]	533

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