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 South Blanco Formation Pictured Cliffs County Rio Arriba

Purchasing Pipeline Pacific Northwest Pipeline Corporation Date Test Filed 3-13-58

Operator Northwest Production Corp. Lease "G" Well No. 5-8

Unit M Sec. 8 Twp. 25N Rge. 4W Pay Zone: From 3758 To 3812

Casing: OD 5 WT. 11.5 Set At 3935 Tubing: OD 1½ WT. 2.3 T. Perf. 3770

Produced Through: Casing ____ Tubing X Gas Gravity: Measured 0.683 Estimated ____

Date of Flow Test: From 2-8-58 To 2-17-58 * Date S.I.P. Measured 7-22-57

Meter Run Size 4" Orifice Size 1" 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 595	psig + 12 =	607	psia	(g)
Square root chart average reading (____)^2 x sp. const.	=	----	psia	(g)
Corrected seven day avge. meter press. (p_f) (g) + (e)	=	607	psia	(h)
P_t = (h) + (f)	=	607	psia	(i)
Wellhead casing shut-in pressure (Dwt) 1005	psig + 12 =	1017	psia	(j)
Wellhead tubing shut-in pressure (Dwt) 1005	psig + 12 =	1017	psia	(k)
P_c = (j) or (k) whichever well flowed through	=	1017	psia	(l)
Flowing Temp. (Meter Run) 38 °F + 460	=	498	°Abs	(m)
P_d = ½ P_c = ½ (l)	=	509	psia	(n)

FLOW RATE CALCULATION

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

DELIVERABILITY CALCULATION

$$D = Q \left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n = 586 \left[\frac{775,208}{630,247} \right]^{1.1923 \ (1.2300)} = 699 \text{ MCF/da.}$$

SUMMARY

P_c =	1017 psia	Company	Northwest Production Corp.
Q =	586 Mcf/day	By	Ray Phillips RAY PHILLIPS
P_w =	636 psia	Title	Asst Mgr. Prod Opr
P_d =	509 psia	Witnessed by	
D =	669 Mcf/day	Company	

* This is date of completion test.

* Meter error correction factor

REMARKS OR FRICTION CALCULATIONS

GL	$(1-e^{-s})$	$(F_cQ)^2$	$\frac{(FcQ)^2 \ (1-e^{-s})}{R^2}$	P_t^2 (Column i)	$P_t^2 + R^2$	P_w
2575	0.171	208.145	35,593	368,449	[illegible]	635.6

Pc = 24.62

RECEIVED
MAR 14 1958
OIL CON. COM.
DIST. 3