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 Formation Mesaverde County Rio Arriba

Purchasing Pipeline Pacific Northwest Pipeline Corporation Date Test Filed May 13, 1958

Operator Northwest Production Corp. Lease "N" Well No. 10-7

Unit L Sec. 7 Twp. 26N Rge. 4W Pay Zone: From 5502 To 6126

Casing: OD 5½ WT. 14 & 15.5 Set At 6240 Tubing: OD 2-3/8 WT. 4.7 T. Perf. 6001

Produced Through: Casing ____ Tubing X Gas Gravity: Measured 0.681 Estimated ____

Date of Flow Test: From 4-21-58 To 4-29-58 * Date S.I.P. Measured 8-2-57

Meter Run Size 4.023 Orifice Size 1.000 Type Chart L-10 Type Taps Fl.

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	727 psig + 12 =	739	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)	=	739	psia	(i)
Wellhead casing shut-in pressure (Dwt)	1023 psig + 12 =	1035	psia	(j)
Wellhead tubing shut-in pressure (Dwt)	1020 psig + 12 =	1032	psia	(k)
P_c = (j) or (k) whichever well flowed through	=	1032	psia	(l)
Flowing Temp. (Meter Run)	66 °F + 460 =	526	°Abs	(m)
P_d = ½ P_c = ½ (l)	=	516	psia	(n)

FLOW RATE CALCULATION

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

DELIVERABILITY CALCULATION

$$D = Q \; 619 \left[\frac{P_c^2 - P_d^2 = 798{,}768}{P_c^2 - P_w^2 = 510{,}198} \right]^{n} \frac{1.3998}{(1.566)^N} = 866 \text{ MCF/da.}$$

SUMMARY

P_c =	1032 psia	Company	Northwest Production Corp.
Q =	619 Mcf/day	By	M. B. Jones M. B. JONES
P_w =	745 psia	Title	Asst Mgr, Prod Opr
P_d =	516 psia	Witnessed by	
D =	866 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
4087	0.257	33.872	8,705	546,121	554,826	744.9

Fc = 9.402

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