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 8-21-57

Operator Northwest Production Corp. Lease "M" Well No. 5-6

Unit L Sec. 6 Twp. 26N Rge. 4W Pay Zone: From 5506 To 6120

Casing: OD 5½ WT. 14 & 15.5 Set At 6152 Tubing: OD 2-3/8 WT. 4.7 T. Perf. 6042

Produced Through: Casing ^ Tubing X Gas Gravity: Measured .700 Estimated

Date of Flow Test: From 7-24-57 To 8-1-57 * Date S.I.P. Measured 6-4-57

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 628	psig + 12 =	640	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)	=	640	psia	(i)
Wellhead casing shut-in pressure (Dwt) ----	psig + 12 =	----	psia	(j)
Wellhead tubing shut-in pressure (Dwt) 1120	psig + 12 =	1132	psia	(k)
P_c = (j) or (k) whichever well flowed through	=	1132	psia	(l)
Flowing Temp. (Meter Run) °F + 460	=		°Abs	(m)
P_d = ½ P_c = ½ (l)	=	566	psia	(n)

FLOW RATE CALCULATION

Q = 261 (integrated) X $\left(\frac{\sqrt{(c)}}{\sqrt{(d)}} = \frac{\quad}{\quad} = \quad \right)^*$ = MCF/da

DELIVERABILITY CALCULATION

$D = Q \left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} = \frac{961,088}{870,228} \right]^n$ 1.0773 = MCF/da.

RECEIVED
AUG 22 1957
OIL CON. COM.
DIST. 3

SUMMARY

P_c =	1132	psia	
Q =	261	Mcf/day	
P_w =	641.2	psia	
P_d =	566	psia	
D =	261	Mcf/day	

Company Northwest Production Corp.
By Ray Phillips RAY PHILLIPS
Title Asst Mgr, Prod Operations
Witnessed by
Company

* This is date of completion test.

* Meter error correction factor

REMARKS OR FRICTION CALCULATIONS

GL	$(1-e^{-S})$	$(F_cQ)2$	$\frac{(FcQ)^2 \quad (1-e^{-S})}{R^2}$	Pt^2 (Column i)	$P_t^2 + R^2$	P_w
4229	0.265	6.022	1,596	409,600	411,196	641.2