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 Corp. Date Test Filed 6-21-57

Operator Northwest Production Corp. Lease "M" Well No. 7-8

Unit A Sec. 8 Twp. 26N Rge. 4W Pay Zone: From 5548 To 6168

Casing: OD 5 WT. 11.5 Set At 6216 Tubing: OD 2-3/8 WT. 4.7 T. Perf.

Produced Through: Casing Tubing X Gas Gravity: Measured .655 Estimated

Date of Flow Test: From 5-17-57 To 5-25-57 * Date S.I.P. Measured 10-1-56

Meter Run Size 2" 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 535	psig + 12 =	547	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)	=	547	psia	(i)
Wellhead casing shut-in pressure (Dwt) 1070	psig + 12 =	1082	psia	(j)
Wellhead tubing shut-in pressure (Dwt) 1141	psig + 12 =	1153	psia	(k)
P_c = (j) or (k) whichever well flowed through	=	1153	psia	(l)
Flowing Temp. (Meter Run) °F + 460	=		°Abs	(m)
P_d = ½ P_c = ½ (l)	=	577	psia	(n)

FLOW RATE CALCULATION

Q = 144 (integrated) x $\left(\frac{\sqrt{(c)}}{\sqrt{(d)}} = \frac{\quad}{\quad} = \quad\right)^*$ = _____ MCF/da

DELIVERABILITY CALCULATION

$D = Q \left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} = \frac{996.480}{1029.762}\right]^n$ .9757 = 141 MCF/da.

SUMMARY

P_c =	1153 psia	Company	Northwest Production Corp.
Q =	144 Mcf/day	By	Ray Phillips RAY PHILLIPS
P_w =	547.4 psia	Title	Asst Mgr, Prod Operations
P_d =	577 psia	Witnessed by	
D =	141 Mcf/day	Company	

* This is date of completion test.

* Meter error correction factor

REMARKS OR FRICTION CALCULATIONS

GL	$(1-e^{-s})$	$(F_cQ)2$	$\frac{(FcQ)^2 \quad (1-e^{-s})}{R^2}$	Pt^2 (Column i)	$P_t^2 + R^2$	P_w
4003	0.253	1.833	.464	299.209	299.673	547.4

RECEIVED
JUN 25 1957
OIL CON. COM.
DIST. 3