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 Undesignated Formation Graneros-Dakota County Rio Arriba

Purchasing Pipeline Pacific Northwest Pipeline Corp. Date Test Filed 7-5-57

Operator Northwest Production Corp. Lease "C" Well No. 2-29

Unit L Sec. 29 Twp. 26N Rge. 4W Pay Zone: From 7534 To 7788

Casing: OD 5" WT. 11.5, 13 & 15 Set At 7800 Tubing: OD 2-3/8 WT. 4.7 T. Perf. 7717

Produced Through: Casing ____ Tubing XX Gas Gravity: Measured ____ Estimated .650

Date of Flow Test: From 6-8-57 To 6-17-57 * Date S.I.P. Measured 4-8-57

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 527	psig + 12 =	539	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)	=	539	psia	(i)
Wellhead casing shut-in pressure (Dwt)	____ psig + 12 =	____	psia	(j)
Wellhead tubing shut-in pressure (Dwt) 2135	psig + 12 =	2147	psia	(k)
P_c = (j) or (k) whichever well flowed through	=	2147	psia	(l)
Flowing Temp. (Meter Run) ____ °F + 460	=	____	°Abs	(m)
P_d = ½ P_c = ½ (l)	=	1074	psia	(n)

FLOW RATE CALCULATION

$$Q = 199 \text{ (integrated)} \times \left(\frac{\sqrt{(c)}}{\sqrt{(d)}} = \frac{\quad}{\quad} = \quad \right)^{*} = \quad \text{MCF/da}$$

DELIVERABILITY CALCULATION

$$D = Q \left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} = \frac{3,456.133}{4,318.117} \right]^{n} = .8461 = 168 \text{ MCF/da.}$$

SUMMARY

P_c =	2147 psia	Company	Northwest Production Corp.
Q =	199 Mcf/day	By	Ray Phillips RAY PHILLIPS
P_w =	539.9 psia	Title	Asst Mgr, Prod Opr
P_d =	1074 psia	Witnessed by	
D =	168 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)	$P_t^2 + GL$	P_w
5016	0.306	3.501	1.071	290.521	291.592	

RECEIVED
JUL 5 57
OIL CON. COM.
DIST. 3