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: Ba Blanco Formation: Pictured Cliffs County: Rio Arriba

Purchasing Pipeline: Pacific Northwest Pipeline Corporation Date Test Filed: 6-25-57

Operator: Northwest Production Corp. Lease: "G" Well No.: 10-11

Unit: B Sec.: 11 Twp.: 26N Rge.: 4W Pay Zone: From: 2928 To: 2990

Casing: OD: 4½ WT.: 9.5 Set At: 3000 Tubing: OD: 1½ WT.: 2.3 T. Perf.:

Produced Through: Casing: X Tubing: Gas Gravity: Measured: .707 Estimated:

Date of Flow Test: From: 6-17-57 To: 6-23-57 * Date S.I.P. Measured: 2-14-57

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 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) 830	psig + 12 =	842	psia	(j)
Wellhead tubing shut-in pressure (Dwt) 830	psig + 12 =	842	psia	(k)
P_c = (j) or (k) whichever well flowed through	=	842	psia	(l)
Flowing Temp. (Meter Run) °F + 460	=		°Abs	(m)
P_d = ½ P_c = ½ (l)	=	421	psia	(n)

FLOW RATE CALCULATION

Q = 20 (integrated) X $\left(\frac{\sqrt{(c)}}{\sqrt{(d)}} = \frac{\quad}{\quad} = \quad \right)^*$ = _____ MCF/da

DELIVERABILITY CALCULATION

$D = Q \left[\frac{(P_c^2 - P_d^2) = 351,723}{(P_c^2 - P_w^2) = 402,735} \right]^n$ 1.3483 = 25 MCF/da.

SUMMARY

P_c =	842	psia	
Q =	20	Mcf/day	
P_w =	547	psia	
P_d =	421	psia	
D =	25	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

RECEIVED
JUN 27 1957
OIL CON. COM.
DIST. 3