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: So Blanco Formation: Pictured Cliffs County: Rio Arriba

Purchasing Pipeline: Pacific Northwest Pipeline Corp. Date Test Filed: 6-28-57

Operator: Northwest Production Corp. Lease: "A" Well No.: 1-7

Unit: M Sec.: 7 Twp.: 26N Rge.: 5W Pay Zone: From: 3060 To: 3126

Casing: OD: 7-5/8 WT.: 24 Set At: 3295 Tubing: OD: 1½ WT.: 2.3 T. Perf.:

Produced Through: Casing: X Tubing: Gas Gravity: Measured: .660 Estimated:

Date of Flow Test: From: 5-17-57 To: 5-25-57 Date S.I.P. Measured: 5-4-57

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): 1022	psig + 12 =	1034	psia	(j)
Wellhead tubing shut-in pressure (Dwt): ----	psig + 12 =	----	psia	(k)
P_c = (j) or (k) whichever well flowed through	=	1034	psia	(l)
Flowing Temp. (Meter Run) °F + 460	=	----	°Abs	(m)
P_d = ½ P_c = ½ (l)	=	517	psia	(n)

FLOW RATE CALCULATION

Q = 16 (integrated) X $\left(\frac{\sqrt{(c)}}{\sqrt{(d)}} = \quad = \quad\right)^{*}$ = _____ MCF/da

DELIVERABILITY CALCULATION

$D = Q \left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} = \frac{881.867}{791.427}\right]^{n}$ 1.021 = 16 MCF/da.

SUMMARY

P_c =	1034	psia
Q =	16	Mcf/day
P_w =	527	psia
P_d =	517	psia
D =	16	Mcf/day

Company: Northwest Production Corp.
By: Ray Phillips RAY PHILLIPS
Title: Asst. Dist. Prod. Supt.
Witnessed by:
Company:

* This is date of completion test.
* Meter error correction factor

REMARKS OR FRICTION CALCULATIONS

GL	$(1-e^{-s})$	$(F_cQ)^2$	$\frac{(FcQ)^2 \quad (1-e^{-s})}{R^2}$	P_t^2 (Column 1)	$P_t^2 + R^2$	P_w
3060	0.130	0	0	290.521	290.521	527

RECEIVED
JUL 2 1957
OIL CON. COM.
DIST. 3