Form C-122-A
Revised April 20, 1955

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 Aztec FORMATION Pictured Cliff COUNTY San Juan
PURCHASING PIPELINE El Paso Natural Gas Co. DATE TEST FILED 12-14-55

OPERATOR Pubco Development, Inc. LEASE State WELL NO. 23
UNIT G SEC. 36 TWP. 29N RGE. 12W PAY ZONE: From 2052 To 2087
CASING: OD 5½ WT. 14 SET AT 2044 Gr. TUBING: OD 1" WT. 1.7 T.Perf. 2026
PRODUCED THROUGH: CASING X TUBING _____ GAS GRAVITY: MEASURED .640 ESTIMATED _____
DATE OF FLOW TEST: From 11-23-55 To 11-30-55 *Date S.I.P. MEASURED 9-22-55
METER RUN SIZE 4" ORIFICE SIZE 1.25 TYPE CHART Sq.Rt. TYPE TAPS Flange

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 _____ psig + 12 =		_____	psia	(g)
Square root chart average reading (6.10) ^{2} x sp. const. _____ =		186	psia	(g)
Corrected seven day avge. meter press. (p_f) (g) + (e) =		_____	psia	(h)
P_t = (h) + (f) =		186	psia	(i)
Wellhead casing shut-in pressure (Dwt) 690 psig + 12 =		702	psia	(j)
Wellhead tubing shut-in pressure (Dwt) 690 psig + 12 =		702	psia	(k)
P_c = (j) or (k) whichever well flowed through =		702	psia	(l)
Flowing Temp. (Meter Run) 55 °F + 460 =		515	°Abs	(m)
$P_d = \frac{1}{2} P_c = \frac{1}{2}$ (l) =		351	psia	(n)

FLOW RATE CALCULATION

$$Q = \underset{\text{(integrated)}}{451} \times \left(\frac{\sqrt{(c)}}{\sqrt{(d)}} = \frac{\quad}{\quad} = \quad \right)^{*} = 451 \text{ MCF/da.}$$

DELIVERABILITY CALCULATION

$$D = Q \left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} = \frac{569,603}{458,208} \right]^{n} \quad .85 = .8330$$

(.80663) = 376 MCF/da.

SUMMARY

P_c =	702 psia	Company	Pubco Development, Inc.
Q =	451 Mcf/day	By	N. E. Maxwell, Jr.
P_w =	186 psia	Title	Supt. Prod. Dept.
P_d =	351 psia	Witnessed by	Wayne Martin
D =	376 Mcf/day	Company	Pubco Development, Inc.

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

REMARKS OR FRICTION CALCULATIONS

GL	$(1-e^{-S})$	$(F_cQ)2$	$\frac{(FcQ)^2}{R^2}(1-e^{-S})$	Pt^2 (Column i)	$P_t^2 + R^2$	P_w
1308	Friction negligible through casing				34596	186

Initial production deliverability. Initial production to El Paso on 11-6-55.