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 South Blanco Formation Pictured Cliffs County Rio Arriba

Purchasing Pipeline Southern Union Gas Company Date Test Filed March 8, 1960

Operator Aztec Oil & Gas Company Lease Arizona-Jicarilla Well No. 7

Unit J Sec. 26 Twp. 25 Rge. 4 Pay Zone: From 3436 To 3470

Casing: OD 4½ WT. 9.50 Set At 3489 Tubing: OD 2" WT. 4.7 T. Perf. 3452

Produced Through: Casing ______ Tubing XX Gas Gravity: Measured 0.695 Estimated ______

Date of Flow Test: From 2/8 To 2/16/60 * Date S.I.P. Measured 11/6/59

Meter Run Size 4 Orifice Size 1.250 Type Chart S R Type Taps F

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 =	[illegible] psia	(g)
Square root chart average reading (7.2) ^{2} x sp. const. 10	=	[illegible] psia	(g)
Corrected seven day avge. meter press. (p_f) (g) + (e)	=	[illegible] psia	(h)
P_t = (h) + (f)	=	[illegible] psia	(i)
Wellhead casing shut-in pressure (Dwt) 971	psig + 12 =	983 psia	(j)
Wellhead tubing shut-in pressure (Dwt) 963	psig + 12 =	975 psia	(k)
P_c = (j) or (k) whichever well flowed through	=	975 psia	(l)
Flowing Temp. (Meter Run) 69 °F + 460	=	[illegible] °Abs	(m)
P_d = ½ P_c = ½ (l)	=	[illegible] psia	(n)

FLOW RATE CALCULATION

Q = 175 (integrated) X ($\sqrt{(c)}$ / $\sqrt{(d)}$ = ______ = 1.0000) = 175 MCF/da

DELIVERABILITY CALCULATION

D = Q 175 $\left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2}\right]^n$ = $\frac{713482}{681695}$ n 0.85 = 1.0391 = 182 MCF/da.

SUMMARY

P_c =	975	psia
Q =	175	Mcf/day
P_w =	[illegible]	psia
P_d =	[illegible]	psia
D =	182	Mcf/day

Company Aztec Oil & Gas Company
By ORIGINAL SIGNED BY L. M. STEVENS
Title L. M. Stevens, Dist. Engineer
Witnessed by ______
Company ______

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

REMARKS OR FRICTION CALCULATIONS

GL	$(1-e^{-s})$	$(F_cQ)^2$	$(F_cQ)^2 (1-e^{-s})$ / R^2	Pt^2 (Column i)	$P_t^2 + R^2$	P_w
[illegible]	0.165	2.706	0.446	[illegible]	[illegible]	[illegible]