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 Aztec Formation Pictured Cliffs County San Juan

Purchasing Pipeline El Paso Natural Gas Company Date Test Filed November 25, 1957

Operator Aztec Oil & Gas Company Lease Koch-State Well No. 1-E

Unit G Sec. 36 Twp. 29-N Rge. 9-W Pay Zone: From 2267 To 2310

Casing: OD 7 5/8 WT. 26.40 Set At 2130 Tubing: OD 2" WT. 4.7 T. Perf. 2268

Produced Through: Casing X Tubing Gas Gravity: Measured 0.650 Estimated

Date of Flow Test: From 10-1 To 10-8 * Date S.I.P. Measured 1-28-57

Meter Run Size 4" Orifice Size 1.000" 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 (7.85) ^{2} x sp. const. 10	= 616	psia	(g)
Corrected seven day avge. meter press. (p_f) (g) + (e)	= 616	psia	(h)
P_t = (h) + (f)	= 616	psia	(i)
Wellhead casing shut-in pressure (Dwt) 623	psig + 12 = 635	psia	(j)
Wellhead tubing shut-in pressure (Dwt) 608	psig + 12 = 620	psia	(k)
P_c = (j) or (k) whichever well flowed through	= 635	psia	(l)
Flowing Temp. (Meter Run) 66 °F + 460	= 526	°Abs	(m)
P_d = ½ P_c = ½ (l)	= 318	psia	(n)

FLOW RATE CALCULATION

Q = 380 (integrated) X $\left(\frac{\sqrt{(c)}}{\sqrt{(d)}} = \frac{1.000}{\quad} = \quad\right)^2$ = 380 MCF/da

DELIVERABILITY CALCULATION

D = Q 380 $\left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} = \frac{388,881}{408,919}\right]^n$ 0.85 1.0000 = 497 MCF/da.

SUMMARY

P_c =	635 psia	Company	Aztec Oil & Gas Company
Q =	380 Mcf/day	By	ORIGINAL SIGNED BY L. M. STEVENS
P_w =	586 psia	Title	District Engineer
P_d =	318 psia	Witnessed by	
D =	497 Mcf/day	Company	

* This is date of completion test.

* Meter error correction factor

RECEIVED
NOV 25 1957
OIL CON. COM.
DIST. 3

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

Loss due to friction is negligible