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 Ambo-Pictured Cliffs Formation Pictured Cliffs County San Juan

Purchasing Pipeline El Paso Natural Gas Company Date Test Filed April 30, 1958

Operator Pan American Petroleum Corporation Pangburn Gas Unit Well No. 2

Unit F Sec. 26 Twp. 29N Rge. 10W Pay Zone: From 3049' To 3070'

Casing: OD 4-1/2" WT 10.5# Set At 3088 Tubing: OD 1-1/4" WT. 2.3# T. Perf. 3059'

Produced Through: Casing X Tubing Gas Gravity: Measured 0.690* Estimated

Date of Flow Test: From 3/9/58 To 3/16/58* Date S.I.P. Measured 12/19/57

Meter Run Size 4" Orifice Size 1.0000" 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 (7.90*) ^{2} x sp. const. 5	= 312	psia	(g)
Corrected seven day avge. meter press. (p_f) (g) + (e)	= 312	psia	(h)
P_t = (h) + (f)	= 312	psia	(i)
Wellhead casing shut-in pressure (Dwt) 698	psig + 12 = 710	psia	(j)
Wellhead tubing shut-in pressure (Dwt) 698	psig + 12 = 710	psia	(k)
P_c = (j) or (k) whichever well flowed through	= 710	psia	(l)
Flowing Temp. (Meter Run) 66° °F + 460	= 526	°Abs	(m)
P_d = ½ P_c = ½ (l)	= 352	psia	(n)

FLOW RATE CALCULATION

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

DELIVERABILITY CALCULATION

$D = Q \left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} = \frac{371,712}{338,272}\right]^n$ 0.9430 = 495 MCF/da.

SUMMARY

P_c =	710 psia	Company	Pan American Petroleum Corporation
Q =	483 Mcf/day	By	R. H. Dewey, Jr.
P_w =	312 psia	Title	Field Engineer
P_d =	352 psia	Witnessed by	
D =	495 Mcf/day	Company	

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

APR 15 1958
OIL CON. COM.
DIST. 3

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
Friction loss negligible.						

*Furnished by pipeline Company.
NOTE: Initial Deliverability Test is filed on blue Form C-122-A due to producing difficulties on the subject well.

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AZTEC DISTRICT OFFICE
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