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 Undesignated Dakota Formation Dakota County San Juan

Purchasing Pipeline Southern Union Gas Company Date Test Filed February 15, 1960

Operator Pan American Petroleum Corp. Lease Miller Gas Unit Well No. 1

Unit H Sec. 20 Twp. 30N Rge. 13W Pay Zone: From 6056 To 6100

Casing: OD 5-1/2 WT. 14# & 15.5# Set At 6228 Tubing: OD 2-3/8 WT. 4.7 T. Perf. 6049

Produced Through: Casing ____ Tubing X Gas Gravity: Measured 0.726* Estimated ____

Date of Flow Test: From 12-24-59 To 12-31-59 * Date S.I.P. Measured 7-8-59

Meter Run Size 4" Orifice Size 1.000 Type Chart Conventional 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 550*	psig + 12 =	562	psia	(g)
Square root chart average reading (____) ^{2} x sp. const.	=	____	psia	(g)
Corrected seven day avge. meter press. (p_f) (g) + (e)	=	562	psia	(h)
P_t = (h) + (f)	=	562	psia	(i)
Wellhead casing shut-in pressure (Dwt) 1908	psig + 12 =	1920	psia	(j)
Wellhead tubing shut-in pressure (Dwt) 1921	psig + 12 =	1933	psia	(k)
P_c = (j) or (k) whichever well flowed through	=	1933	psia	(l)
Flowing Temp. (Meter Run) 68* °F + 460	=	528	°Abs	(m)
P_d = ½ P_c = ½ (l)	=	967	psia	(n)

FLOW RATE CALCULATION

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

DELIVERABILITY CALCULATION

$D = Q \left[\left(\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right) = \frac{2,891,400}{3,417,638} \right]^n$ 353* × 0.8615 = 304 MCF/da.

SUMMARY

P_c =	1933	psia	
Q =	353*	Mcf/day	
P_w =	565	psia	
P_d =	967	psia	
D =	304	Mcf/day	

Company Pan American Petroleum Corporation
By R. M. Bauer, Jr. R. M. Bauer, Jr.
Title Area Engineer
Witnessed by ____
Company ____

* This is date of completion test.

* Meter error correction factor

REMARKS OR FRICTION CALCULATIONS

GL	$(1-e^{-s})$	$(F_cQ)2$	$\frac{(FcQ)^2 \quad (1-e^{-s})}{R^2}$	Pt^2 (Column i)	$P_t^2 + R^2$	P_w
4379	.273	11,016	3,007	315,844	318,851	565

*Furnished by pipeline company.