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 Blanco-Pictured Cliffs Formation Pictured Cliffs County San Juan

Purchasing Pipeline El Paso Natural Gas Company Date Test Filed 7-25-58

Operator PAN AMERICAN PETROLEUM CORP. Lease A. L. Williams "C" Well No. 2

Unit G Sec. 15 Twp. 29N Rge. 9W Pay Zone: From 2820 To 2872

Casing: OD 4-1/2 WT. 10.50 Set At 2869 Tubing: OD 1-1/4 WT. 2.3 T. Perf. 2868

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

Date of Flow Test: From 6-22-58 To 6-29-58 * Date S.I.P. Measured 6-15-57

Meter Run Size 4 Orifice Size 1.500 Type Chart Hi-Flo 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 (7.698) ^{2} x sp. const. 5	=	296	psia	(g)
Corrected seven day avge. meter press. (p_f) (g) + (e)	=	296	psia	(h)
P_t = (h) + (f)	=	296	psia	(i)
Wellhead casing shut-in pressure (Dwt) 983	psig + 12 =	995	psia	(j)
Wellhead tubing shut-in pressure (Dwt) 984	psig + 12 =	996	psia	(k)
P_c = (j) or (k) whichever well flowed through	=	996	psia	(l)
Flowing Temp. (Meter Run) 67° °F + 460	=	527	°Abs	(m)
P_d = ½ P_c = ½ (l)	=	498	psia	(n)

FLOW RATE CALCULATION

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

DELIVERABILITY CALCULATION

$D = Q \left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} = \frac{792,021}{928,804} \right]^n$ 0.827 = 430 MCF/da.

SUMMARY

P_c =	996	psia	
Q =	520	Mcf/day	
P_w =	849	psia	
P_d =	498	psia	
D =	430	Mcf/day	

Company PAN AMERICAN PETROLEUM CORPORATION
By R. E. Bauer, Jr. R E Bauer Jr.
Title Field 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
	Friction loss negligible					

Furnished by pipeline company.

INITIAL DELIVERABILITY TEST

RECEIVED
JUL 29 1958
OIL CON. COM.
DIST. 3