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 Tapacito-Pictured Cliffs Formation Pictured Cliffs County Rio Arriba

Purchasing Pipeline El Paso Natural Gas Company Date Test Filed 11-20-58

Operator PAN AMERICAN PETROLEUM CORP. Lease Fred Phillips "B" Well No. 1

Unit I Sec. 30 Twp. 25N Rge. 3W Pay Zone: From 3737 To 3767

Casing: OD 5-1/2 WT. 14 Set At 3826 Tubing: OD 2-3/8 WT. 4.7 T. Perf. 3727

Produced Through: Casing ____ Tubing I Gas Gravity: Measured 0.669* Estimated ____

Date of Flow Test: From 10-15-58 To 10-22-58 * Date S.I.P. Measured 8-19-58

Meter Run Size 4 Orifice Size 2.500* Type Chart ____ 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 (7.20*) ^{2} x sp. const. 5	= 259	psia	(g)
Corrected seven day avge. meter press. (p_f) (g) + (e)	= 259	psia	(h)
P_t = (h) + (f)	= 259	psia	(i)
Wellhead casing shut-in pressure (Dwt) 1050	psig + 12 = 1062	psia	(j)
Wellhead tubing shut-in pressure (Dwt) 1050	psig + 12 = 1062	psia	(k)
P_c = (j) or (k) whichever well flowed through	= 1062	psia	(l)
Flowing Temp. (Meter Run) 69* °F + 460	= 529	°Abs	(m)
P_d = ½ P_c = ½ (l)	= 531	psia	(n)

FLOW RATE CALCULATION

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

DELIVERABILITY CALCULATION

$D = Q \left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} = \frac{845,883}{977,783}\right]^n$ 0.864 = 2408 MCF/da.

SUMMARY

P_c =	1062	psia
Q =	2598	Mcf/day
P_w =	387	psia
P_d =	531	psia
D =	2408	Mcf/day

Company PAN AMERICAN PETROLEUM CORPORATION
By R. H. Bauer, Jr. R H Bauer
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
2403	.366	499,880	82,980	67,081	150,061	387

*Furnished by pipeline company

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