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 Basin Dakota Formation Dakota County Rio Arriba

Purchasing Pipeline El Paso Natural Gas Company Date Test Filed 1-14-64

Operator PAN AMERICAN PETROLEUM CORP. Lease Jicarilla Apache 102 Well No. 7

Unit G Sec. 3 Twp. 26N Rge. 4W Pay Zone: From 8100 To 8122

* Casing: OD 7-5/8 WT. 24# Set At 3938 Tubing: OD 2-3/8 WT. 4.7 T. Perf. 8058

Produced Through: Casing ____ Tubing X Gas Gravity: Measured ____ Estimated .689

Date of Flow Test: From 12-23-63 To 12-31-63 * Date S.I.P. Measured ____

Meter Run Size 4" Orifice Size 1.250 Type Chart Sq. Rt. Type Taps Flange

4½" - 10.5 liner set @ 3871-8192

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 (7.75)^2 x sp. const. 10 = 601 psia			(g)
Corrected seven day avge. meter press. (p_f) (g) + (e) = 601 psia			(h)
P_t = (h) + (f) = 601 psia			(i)
Wellhead casing shut-in pressure (Dwt) 2427 psig + 12 = 2439 psia			(j)
Wellhead tubing shut-in pressure (Dwt) 2416 psig + 12 = 2428 psia			(k)
P_c = (j) or (k) whichever well flowed through = 2439 psia			(l)
Flowing Temp. (Meter Run) ____ °F + 460 = ____ °Abs			(m)
P_d = ½ P_c = ½ (l) = 1220 psia			(n)

FLOW RATE CALCULATION

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

DELIVERABILITY CALCULATION

$D = Q \left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n$

D = Q 659 $\left[\frac{P_c^2 - P_d^2 = 4,460,321}{P_c^2 - P_w^2 = 5,574,775} \right]^n$ .8460 = 558 MCF/da.

SUMMARY

P_c = 2439	psia	
Q = 659	Mcf/day	
P_w = 611	psia	
P_d = 1220	psia	
D = 558	Mcf/day	

Company PAN AMERICAN PETROLEUM CORPORATION
By F. L. Roberts
Title District Engineer
Witnessed by ____
Company F. W. Poell

RECEIVED
JAN 15 1964
OIL CON. COM.
DIST. 3

* 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
5552	.332	38,389	12,745	361,201	373,946	611

OK