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 1-3-64

Operator PAN AMERICAN PETROLEUM CORP. Lease Jicarilla Apache 102 Well No. 12

Unit G Sec. 9 Twp. 26N Rge. 4W Pay Zone: From 8018 To 8066

Casing: OD 4-1/2 WT. 10.5 Set At 8320 Tubing: OD 2-3/8 WT. 4.7 T. Perf. 8040

Produced Through: Casing ^ Tubing X Gas Gravity: Measured .693 Estimated

Date of Flow Test: From 12-3-63 To 12-10-63 * Date S.I.P. Measured 10-16-63

Meter Run Size 4" Orifice Size 1.250 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 (7.35)^2 x sp. const. 10	= 360	psia	(g)
Corrected seven day avge. meter press. (p_f) (g) + (e)	= 360	psia	(h)
P_t = (h) + (f)	= 360	psia	(i)
Wellhead casing shut-in pressure (Dwt) 2610	psig + 12 = 2622	psia	(j)
Wellhead tubing shut-in pressure (Dwt) 2380	psig + 12 = 2392	psia	(k)
P_c = (j) or (k) whichever well flowed through	= 2622	psia	(l)
Flowing Temp. (Meter Run) _____ °F + 460	=	°Abs	(m)
P_d = ½ P_c = ½ (l)	= 1311	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

$D = Q \left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} = \frac{4,399,363}{3,562,162}\right]^n$ .8388 = 343 MCF/da.

SUMMARY

P_c =	2622 psia	Company	PAN AMERICAN PETROLEUM CORPORATION
Q =	647 Mcf/day	By	P. L. Hibbets
P_w =	661 psia	Title	District Engineer
P_d =	1311 psia	Witnessed by	By
D =	343 Mcf/day	Company	F. W. Fuell ORIGINAL SIGNED BY F. W. Fuell

* This is date of completion test.

* Meter error correction factor

REMARKS OR FRICTION CALCULATIONS

GL	$(1-e^{-s})$	$(F_cQ)2$	$\frac{(FcQ)^2}{R^2}$ $(1-e^{-s})$	Pt^2 (Column i)	$P_t^2 + R^2$	P_w
5572	.333	370,84	12,322	291,600	303,922	551

RECEIVED
JAN 6 1964
OIL CON. COM.
DIST. 3