Form C-122-A

Revised April 20, 1955

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-Mesaverde Formation Mesaverde County San Juan

Purchasing Pipeline El Paso Natural Gas Company Date Test Filed 1-15-58

Operator PAN AMERICAN PETROLEUM CORP. Lease Elliott Gas Unit "C" Well No. 1

Unit G Sec. 9 Twp. 30N Rge. 9W Pay Zone: From 4706 To 5320

Casing: OD 7" WT. 20# Set At 4990 Tubing: OD 2-3/8 WT. 4.7 T. Perf. 5318

Produced Through: Casing ____ Tubing I Gas Gravity: Measured 0.670 Estimated ____

Date of Flow Test: From 12-23-57 To 12-31-57 * Date S.I.P. Measured 1-7-58

Meter Run Size 4 Orifice Size 1.900 Type Chart Sq.Rt. Type Taps Flange

OBSERVED DATA

Flowing casing pressure (Dwt)	712 psig + 12 =	724	psia	(a)
Flowing tubing pressure (Dwt)	528 psig + 12 =	538	psia	(b)
Flowing meter pressure (Dwt)	513 psig + 12 =	525	psia	(c)
Flowing meter pressure (meter reading when Dwt. measurement taken):				
Normal chart reading	psig + 12 =		psia	(d)
Square root chart reading (7.20)^2 x spring constant 10	=	518	psia	(d)
Meter error (c) - (d) or (d) - (c) ±	=	*7	psi	(e)
Friction loss, Flowing column to meter:				
(b) - (c) Flow through tubing: (a) - (c) Flow through casing	=	5	psi	(f)
Seven day average static meter pressure (from meter chart):				
Normal chart average reading	psig + 12 =		psia	(g)
Square root chart average reading (7.15)^2 x sp. const. 10	=	511	psia	(g)
Corrected seven day avge. meter press. (p_f) (g) + (e)	=	518	psia	(h)
P_t = (h) + (f)	=	523	psia	(i)
Wellhead casing shut-in pressure (Dwt) 826	psig + 12 =	838	psia	(j)
Wellhead tubing shut-in pressure (Dwt) 815	psig + 12 =	827	psia	(k)
P_c = (j) or (k) whichever well flowed through	=	827	psia	(l)
Flowing Temp. (Meter Run) 69 °F + 460	=	529	°Abs	(m)
P_d = ½ P_c = ½ (l)	=	414	psia	(n)

FLOW RATE CALCULATION

$$Q = 1109 \text{ (integrated)} \times \left(\frac{\sqrt{(c)}}{\sqrt{(d)}} = \frac{22.9829}{22.7996} = 1.0067 \right)^{n} = 1116 \text{ MCF/da}$$

DELIVERABILITY CALCULATION

$$D = Q \left[\frac{(P_c^2 - P_d^2) = 512,533}{(P_c^2 - P_w^2) = 385,298} \right]^{n} 1.2305 = 1382 \text{ MCF/da.}$$

SUMMARY

P_c =	827	psia
Q =	1116	Mcf/day
P_w =	746	psia
P_d =	414	psia
D =	1382	Mcf/day

Company PAN AMERICAN PETROLEUM CORPORATION

By R. M. Bauer, Jr. R M Bauer Jr.

Title Field Engineer

Witnessed by ____

Company ____

* This is date of completion test.

* Meter error correction factor

REMARKS OR FRICTION CALCULATIONS

GL	$(1-e^{-s})$	$(F_cQ)2$	$\frac{(FcQ)^2}{R^2}$ $(1-e^{-s})$	Pt^2 (Column i)	$P_t^2 + R^2$	P_w
3963	0.228	110.095	25.102	273.529	298.631	546

DELIVERABILITY TEST AFTER WORKOVER

*LINER: 5" 15# 4503'-5320'
PERFS: 4706' to 5320'

RECEIVED
JAN 20 1958
OIL CON. COM.
DIST. 3