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 Formation Dakota County San Juan

Purchasing Pipeline El Paso Natural Gas Company Date Test Filed 1-4-66

Operator Pan American Petroleum Corp. Lease W. D. Heath "B" Well No. 3

Unit O Sec. 31 Twp. 30 Rge. 9 Pay Zone: From 6648 To 6764

Casing: OD 4½ WT. 10.5 Set At 6808 Tubing: OD 2-3/8 WT. 4.7 T. Perf. 6636

Produced Through: Casing ____ Tubing X Gas Gravity: Measured .630 Estimated ____

Date of Flow Test: From 11-28-65 To 12-6-65 * Date S.I.P. Measured 8-26-65

Meter Run Size 4" Orifice Size ____ 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 (7.1)^2 x sp. const.	=	504	psia	(g)
Corrected seven day avge. meter press. (p_f) (g) + (e)	=	504	psia	(h)
P_t = (h) + (f)	=	504	psia	(i)
Wellhead casing shut-in pressure (Dwt) 1483	psig + 12 =	1495	psia	(j)
Wellhead tubing shut-in pressure (Dwt) 1546	psig + 12 =	1558	psia	(k)
P_c = (j) or (k) whichever well flowed through	=	1558	psia	(l)
Flowing Temp. (Meter Run) ____ °F + 460	=	____	°Abs	(m)
P_d = ½ P_c = ½ (l)	=	779	psia	(n)

FLOW RATE CALCULATION

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

DELIVERABILITY CALCULATION

$D = Q \left[\frac{P_c^2 - P_d^2 = 1{,}820{,}523}{P_c^2 - P_w^2 = 2{,}162{,}827} \right]^n$ .8788 = 592 MCF/da.

SUMMARY

P_c =	1558	psia
Q =	674	Mcf/day
P_w =	514	psia
P_d =	779	psia
D =	592	Mcf/day

Company Pan American Petroleum Corporation

By G. W. Eaton, Jr.

Title Area Engineer

Witnessed by ____

Company ____

RECEIVED
JAN 6 1966
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
4181	0.262	40.157	10.521	254.016	264,537	514