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 San Juan

Purchasing Pipeline El Paso Natural Gas Company Date Test Filed 12-26-64

Operator PAN AMERICAN PETROLEUM CORP. Lease H. B. McCready "B" Well No. 1

Unit P Sec. 24 Twp. 27N Rge. 12W Pay Zone: From 6223 To 6266

Casing: OD 4-1/2 WT. 10.5 Set At 6322 Tubing: OD 2-3/8 WT. 4.7 T. Perf. 6266

Produced Through: Casing ____ Tubing X Gas Gravity: Measured .698 Estimated ____

Date of Flow Test: From 11-18-64 To 11-26-64 * Date S.I.P. Measured 9-29-64

Meter Run Size 4" Orifice Size 1.500 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 (6.95) ^{2} x sp. const. 10	=	483 psia	(g)
Corrected seven day avge. meter press. (p_f) (g) + (e)	=	483 psia	(h)
P_t = (h) + (f)	=	483 psia	(i)
Wellhead casing shut-in pressure (Dwt) 1930	psig + 12 =	1942 psia	(j)
Wellhead tubing shut-in pressure (Dwt) 1912	psig + 12 =	1926 psia	(k)
P_c = (j) or (k) whichever well flowed through	=	1942 psia	(l)
Flowing Temp. (Meter Run) ____ °F + 460	=	____ °Abs	(m)
P_d = ½ P_c = ½ (l)	=	971 psia	(n)

FLOW RATE CALCULATION

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

DELIVERABILITY CALCULATION

$$D = Q \left[\frac{(P_c^2 - P_d^2) = 2,828,523}{(P_c^2 - P_w^2) = 3,486,541} \right]^{n} = 1464 \left[\frac{2,828,523}{3,486,541} \right]^{0.8568} = 1251 \text{ MCF/da.}$$

SUMMARY

P_c =	1942	psia
Q =	1464	Mcf/day
P_w =	534	psia
P_d =	971	psia
D =	1251	Mcf/day

Company PAN AMERICAN PETROLEUM CORPORATION
By P. L. Mabors
Title District Engineer
Witnessed by By:
Company

RECEIVED
ORIGINAL SIGNED BY P. W. Foell
DEC 30 1964
OIL CON. COM.
DIST. 3

* This is date of completion test.
* Meter error correction factor

REMARKS OR FRICTION CALCULATIONS

GL	$(1-e^{-S})$	$(F_cQ)^2$	$\frac{(F_cQ)^2}{R^2}(1-e^{-S})$	Pt^2 (Column i)	$P_t^2 + R^2$	P_w
4360	0.272	189.462	51,534	233,289	284,823	534