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 4-1-65

Operator PAN AMERICAN PETROLEUM CORP. Lease Gallegos Canyon 8160 Unit Well No. 1

Unit I Sec. 27 Twp. 29N Rge. 13W Pay Zone: From 5856 To 5986

Casing: OD 4-1/2 WT. 10.5 Set At 6032 Tubing: OD 2-3/8 WT. 4.7 T. Perf. 5989

Produced Through: Casing ____ Tubing X Gas Gravity: Measured .677 Estimated ____

Date of Flow Test: From 3-29-65 To 3-3-65 * Date S.I.P. Measured 3-11-64

Meter Run Size 4" Orifice Size 3.000 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.	= 540	psia	(g)
Corrected seven day avge. meter press. (p_f) (g) + (e)	= 540	psia	(h)
P_t = (h) + (f)	= 540	psia	(i)
Wellhead casing shut-in pressure (Dwt) 2062	psig + 12 = 2074	psia	(j)
Wellhead tubing shut-in pressure (Dwt) 2099	psig + 12 = 2111	psia	(k)
P_c = (j) or (k) whichever well flowed through	= 2111	psia	(l)
Flowing Temp. (Meter Run) ____ °F + 460	=	°Abs	(m)
P_d = ½ P_c = ½ (l)	= 1056	psia	(n)

FLOW RATE CALCULATION

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

DELIVERABILITY CALCULATION

$D = Q \left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} = \frac{3,261,185}{3,391,210}\right]^n$ .9473 = 4887 MCF/da.

SUMMARY

P_c =	2111	psia
Q =	3074	Mcf/day
P_w =	930	psia
P_d =	1056	psia
D =	4887	Mcf/day

Company PAN AMERICAN PETROLEUM CORPORATION
By F. L. Kuhre
Title District Engineer
Witnessed by By: ORIGINAL SIGNED F. W. Foell
Company

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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
3087	0.252	2,275,830	573,511	291,600	865,111	930