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 6-10-64

Operator PAN AMERICAN PETROLEUM CORP. Lease Gallegos Canyon No.143 Unit Well No. 1

Unit F Sec. 25 Twp. 29N Rge. 12W Pay Zone: From 6087 To 6132

Casing: OD 4-1/2 WT. 10.5 Set At 6205 Tubing: OD 2-3/8 WT. 4.7 T. Perf. 6037

Produced Through: Casing ____ Tubing X Gas Gravity: Measured .672 Estimated ____

Date of Flow Test: From 4-30-64 To 5-8-64 * Date S.I.P. Measured 12-11-63

Meter Run Size 4" Orifice Size 1.750 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) 2049	psig + 12 = 2061	psia	(j)
Wellhead tubing shut-in pressure (Dwt) 2046	psig + 12 = 2058	psia	(k)
P_c = (j) or (k) whichever well flowed through	= 2061	psia	(l)
Flowing Temp. (Meter Run) ____ °F + 460	=	°Abs	(m)
P_d = ½ P_c = ½ (l)	= 1031	psia	(n)

FLOW RATE CALCULATION

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

DELIVERABILITY CALCULATION

$D = Q \left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n$

D = Q 2010 $\left[\frac{P_c^2 - P_d^2 = 3,184,760}{P_c^2 - P_w^2 = 3,923,363} \right]^{.8552}$ = 1719 MCF/da.

SUMMARY

P_c =	2061	psia
Q =	2010	Mcf/day
P_w =	570	psia
P_d =	1031	psia
D =	1719	Mcf/day

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

JUN 12 1964
OIL CON. COM.

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

REMARKS OR FRICTION CALCULATIONS

GL	$(1-e^{-S})$	$(F_cQ)^2$	$\frac{(F_cQ)^2 (1-e^{-S})}{R^2}$	P_t^2 (Column i)	$P_t^2 + R^2$	P_w
4057	.255	357.135	91.069	233.209	324,358	570