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 Tapacito-Pictured Cliffs Formation Pictured Cliffs County Rio Arriba

Purchasing Pipeline El Paso Natural Gas Company Date Test Filed 7-15-58

Operator PAN AMERICAN PETROLEUM CORP. Lease Fred Phillips "C" Well No. 1

Unit H Sec. 25 Twp. 25N Rge. 3W Pay Zone: From 3016 To 3056

Casing: OD 5-1/2" WT. 14 Set At 3079 Tubing: OD 2-3/8" WT. 4.7# T. Perf. 3039

Produced Through: Casing ____ Tubing X Gas Gravity: Measured 0.660* Estimated ____

Date of Flow Test: From 7-7-58 To 7-13-58 * Date S.I.P. Measured 10-5-57

Meter Run Size 4 Orifice Size 3.00 * 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 (7.05*)^2 x sp. const. 5 = 248 psia			(g)
Corrected seven day avge. meter press. (p_f) (g) + (e) = 248 psia			(h)
P_t = (h) + (f) = 248 psia			(i)
Wellhead casing shut-in pressure (Dwt) 1049 psig + 12 = 1061 psia			(j)
Wellhead tubing shut-in pressure (Dwt) 1050 psig + 12 = 1062 psia			(k)
P_c = (j) or (k) whichever well flowed through = 1062 psia			(l)
Flowing Temp. (Meter Run) 69* °F + 460 = 529 °Abs			(m)
P_d = ½ P_c = ½ (l) = 531 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

$$D = Q \left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} = \frac{85,883}{935,194} \right]^{n} = 3,000 \left[\quad \right]^{0.5182} = 276 \text{ MCF/da.}$$

SUMMARY

P_c = 1062 psia
Q = 3002 Mcf/day
P_w = 439 psia
P_d = 531 psia
D = 276 Mcf/day

Company PAN AMERICAN PETROLEUM CORPORATION
By R. H. Bunn, Jr.
Title Field Engineer
Witnessed by ____
Company ____

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

REMARKS OR FRICTION CALCULATIONS

GL	$(1-e^{-s})$	$(F_cQ)^2$	$\frac{(FcQ)^2 \quad (1-e^{-s})}{R^2}$	Pt^2 (Column i)	$P_t^2 + R^2$	P_w
28.57	0.344	796.639	130.649	62,038	192,650	439

*Furnished by pipeline company

INITIAL DELIVERABILITY TEST

RECEIVED
JUL 29 1958
OIL CON. COM.
DIST. 3