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 Blanco-Pictured Cliffs Formation Pictured Cliffs County San Juan

Purchasing Pipeline El Paso Natural Gas Company Date Test Filed 11-20-58

Operator PAN AMERICAN PETROLEUM CORP. Lease A. L. Elliott "D" Well No. 4

Unit I Sec. 11 Twp. 29N Rge. 9W Pay Zone: From 2553 To 2595

Casing: OD 5-1/2 WT. 14 Set At 2616 Tubing: OD 1.66 WT. 2.3 T. Perf. 2563

Produced Through: Casing I Tubing Gas Gravity: Measured 0.650* Estimated

Date of Flow Test: From 10-7-58 To 10-15-58 * Date S.I.P. Measured 7-21-58

Meter Run Size 4 Orifice Size 1.250* 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 (6.70*) ^{2} x sp. const. 5	= 224	psia	(g)
Corrected seven day avge. meter press. (p_f) (g) + (e)	= 224	psia	(h)
P_t = (h) + (f)	= 224	psia	(i)
Wellhead casing shut-in pressure (Dwt) 1064	psig + 12 = 1076	psia	(j)
Wellhead tubing shut-in pressure (Dwt) 1064	psig + 12 = 1076	psia	(k)
P_c = (j) or (k) whichever well flowed through	= 1076	psia	(l)
Flowing Temp. (Meter Run) 63* °F + 460	= 523	°Abs	(m)
P_d = ½ P_c = ½ (l)	= 538	psia	(n)

FLOW RATE CALCULATION

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

DELIVERABILITY CALCULATION

$D = Q \left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} = \frac{866,332}{1,107,600} \right]^n$ 0.813 = 253 MCF/da.

Q = 311*

SUMMARY

P_c =	1076	psia
* Q =	311	Mcf/day
P_w =	224	psia
P_d =	538	psia
D =	253	Mcf/day

Company PAN AMERICAN PETROLEUM CORPORATION

By E. H. Bauer, Jr. E. H. Bauer, Jr.

Title Field Engineer

Witnessed by

Company

* This is date of completion test.

* Meter error correction factor

REMARKS OR FRICTION CALCULATIONS

GL	$(1-e^{-s})$	$(F_cQ)2$	$\frac{(FcQ)^2}{R^2}$ $(1-e^{-s})$	Pt^2 (Column i)	$P_t^2 + R^2$	P_w
	Friction loss negligible					

*Furnished by pipeline company

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