

Initial Deliverability
Test

Form C-122-A
Revised April 20, 1955

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 Otero Chacra Formation Chacra County Rio Arriba
Purchasing Pipeline El Paso Natural Gas Company Date Test Filed June 14, 1963

Operator Pan American Petroleum Corp. Lease Jicarilla Contract 146 Well No. 15
Unit N Sec. 10 Twp. 25N Rge. 5W Pay Zone: From 3781 To 3794
Casing: OD 4 1/2 WT. 9.5 Set At 3897 Tubing: OD 2 3/8 WT. 4.7 T. Perf. 3781
Produced Through: Casing _____ Tubing X Gas Gravity: Measured .648 Estimated _____
Date of Flow Test: From 4-26-63 To 5-4-63 * Date S.I.P. Measured 12-1-62
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 (6.75) ² x sp. const. 5 = 128 psia (g)
Corrected seven day avge. meter press. (P_f) (g) + (e) = 128 psia (h)
P_t = (h) + (f) = 128 psia (i)
Wellhead casing shut-in pressure (Dwt) 831 psig + 12 = 843 psia (j)
Wellhead tubing shut-in pressure (Dwt) 832 psig + 12 = 844 psia (k)
P_c = (j) or (k) whichever well flowed through = 844 psia (l)
Flowing Temp. (Meter Run) _____ °F + 460 = _____ °Abs (m)
P_d = 1/2 P_c = 1/2 (l) = 422 psia (n)

FLOW RATE CALCULATION

$$Q = \frac{294}{(\text{Integrated})} \times \left(\frac{\sqrt{(a)} = 1.000}{\sqrt{(d)}} \right) = 294 \text{ MCF/day}$$

DELIVERABILITY CALCULATION

$$D = Q \frac{294}{\left[\frac{(P_c^2 - P_d^2) = 534252}{(P_c^2 - P_w^2) = 699068} \right]^n .8543} = 291 \text{ MCF/day}$$

SUMMARY

P_c = 844 psia
Q = 294 Mcf/day
P_w = 291 psia
P_d = 422 psia
D = 291 Mcf/day

Company PAN AMERICAN PETROLEUM CORPORATION
By F. W. FOELL
Title Petroleum Engineer
Witnessed by _____
Company _____

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

REMARKS OR FRICTION CALCULATIONS

GL	(1-e ^{-S})	(F _c Q) ²	(F _c Q) ² (1-e ^{-S}) R ²	P _t ² (Column i)	P _t ² + R ²	P _w
2526	.168	7.641	1.284	51.904	53.268	231



1. The first part of the document is a list of names and addresses, which are arranged in a columnar format. The names are written in a cursive script, and the addresses are written in a more formal, printed style. The list is organized into two columns, with the names on the left and the addresses on the right.

2. The second part of the document is a series of paragraphs of text, which are arranged in a columnar format. The text is written in a cursive script, and the paragraphs are separated by small gaps. The text appears to be a letter or a report, and it is organized into two columns, with the text on the left and the text on the right.

3. The third part of the document is a series of paragraphs of text, which are arranged in a columnar format. The text is written in a cursive script, and the paragraphs are separated by small gaps. The text appears to be a letter or a report, and it is organized into two columns, with the text on the left and the text on the right.