

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 Angel Peak Dakota Formation Dakota County San Juan
Purchasing Pipeline Southern Union Gas Company Date Test Filed 3-12-58

Operator PAN AMERICAN PETROLEUM CORP. Lease J. C. Gordon "D" Well No. 1
Unit P Sec. 22 Twp. 27N Rge. 10W Pay Zone: From 6492 To 6498
• Casing: OD 7" WT. 23 1/2 Set At 6459 Tubing: OD 2 3/8 WT. 4.7 T. Perf. 6973
Produced Through: Casing Tubing X Gas Gravity: Measured 0.730 Estimated
Date of Flow Test: From 2/11/58 To 2/21/58 * Date S.I.P. Measured 2/20/58
Meter Run Size 4" Orifice Size 2.800" Type Chart Conventional Type Taps Flange

OBSERVED DATA

Flowing casing pressure (Dwt) 436 psig + 12 = 448 psia (a)
Flowing tubing pressure (Dwt) 399 psig + 12 = 411 psia (b)
Flowing meter pressure (Dwt) 278 psig + 12 = 290 psia (c)
Flowing meter pressure (meter reading when Dwt. measurement taken:
Normal chart reading 278 psig + 12 = 290 psia (d)
Square root chart reading () ² x spring constant = psia (d)
Meter error (c) - (d) or (d) - (c) ± = 0 psi (e)
Friction loss, Flowing column to meter:
(b) - (c) Flow through tubing: (a) - (c) Flow through casing = 21 psi (f)
Seven day average static meter pressure (from meter chart):
Normal chart average reading 260 psig + 12 = 272 psia (g)
Square root chart average reading () ² x sp. const. = psia (g)
Corrected seven day avge. meter press. (p_f) (g) + (e) = 272 psia (h)
P_t = (h) + (f) = 293 psia (i)
Wellhead casing shut-in pressure (Dwt) 1347 psig + 12 = 1359 psia (j)
Wellhead tubing shut-in pressure (Dwt) 1341 psig + 12 = 1353 psia (k)
P_c = (j) or (k) whichever well flowed through = 1353 psia (l)
Flowing Temp. (Meter Run) 60 °F + 460 = 520 °Abs (m)
P_d = 1/2 P_c = 1/2 (l) = 577 psia (n)

Q = 1222 X $\left(\frac{\text{FLOW RATE CALCULATION}}{\sqrt{(c)} = 17.02\% = 1.000} \right)^* = \underline{1222}$ MCF/da
(integrated) $\sqrt{(d)} = 17.02\%$

DELIVERABILITY CALCULATION

D = Q 1222 $\left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n = \underline{1064}$ MCF/da.
 $\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} = \frac{976,480}{1,199,177} = .814$

SUMMARY

P_c = 1353 psia
Q = 1222 Mcf/day
P_w = 361 psia
P_d = 577 psia
D = 1064 Mcf/day

Company PAN AMERICAN PETROLEUM CORPORATION
By E. J. 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 _c Q) ²	(F _c Q) ² (1-e ^{-S}) R ²	P _t ² (Column i)	P _t ² + R ²	P _w
<u>4734</u>	<u>0.291</u>	<u>132.002</u>	<u>38.413</u>	<u>91.809</u>	<u>130.228</u>	<u>361</u>

DELIVERABILITY TEST AFTER COMPLETION



*LINE: 5-15-6361-4467
Phone: 6492-4458

1. The first part of the document is a list of names and addresses of the members of the committee.

2. The second part of the document is a list of names and addresses of the members of the committee.

3. The third part of the document is a list of names and addresses of the members of the committee.

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