

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 Formation Mesaverde County San Juan
Purchasing Pipeline Pacific Northwest Pipeline Corporation Date Test Filed January 7, 1957

Operator Pacific Northwest Pipeline Lease 32-8 Well No. 11-21
Unit G Sec. 21 Twp. 31 Rge. 8 Pay Zone: From 5736 To 5872
Casing: OD 5 1/2 WT. 15.5 Set At 5934 Tubing: OD 2 3/8 WT. 4.7 T. Perf. 5857
Produced Through: Casing _____ Tubing x Gas Gravity: Measured _____ Estimated .650
Date of Flow Test: From 11-20-56 To 11-28-56 * Date S.I.P. Measured 12-13-55
Meter Run Size _____ Orifice Size _____ Type Chart _____ Type Taps _____

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 (_____) ² x sp. const. _____ = 577 psia (g)
Corrected seven day avge. meter press. (p_f) (g) + (e) _____ = _____ psia (h)
P_t = (h) + (f) _____ = 577 psia (i)
Wellhead casing shut-in pressure (Dwt) 1002 psig + 12 = 1014 psia (j)
Wellhead tubing shut-in pressure (Dwt) 1001 psig + 12 = 1013 psia (k)
P_c = (j) or (k) whichever well flowed through _____ = 1013 psia (l)
Flowing Temp. (Meter Run) 83 °F + 460 _____ = 543 ° Abs (m)
P_d = 1/2 P_c = 1/2 (l) _____ = 507 psia (n)

FLOW RATE CALCULATION

Q = 2105 X $\left(\frac{\sqrt{(c)}}{\sqrt{(d)}} \right) = \text{_____ MCF/da}$
(integrated)

DELIVERABILITY CALCULATION

D = Q 2105 $\left[\frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} \right]^{1/n} (1.2852)^{T_2} = 1.207 = \text{_____ MCF/da.}$
769120
598452

SUMMARY

P_c = 1013 psia
Q = 2105 Mcf/day
P_w = 654 psia
P_d = 507 psia
D = 2541 Mcf/day

Company Pacific Northwest Pipeline Corp.
By Donald C. Adams
Title Well Test Engineer
Witnessed by _____
Company _____

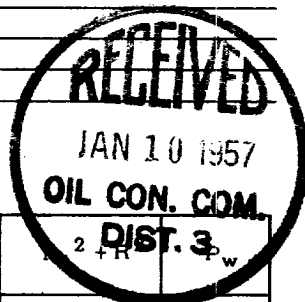
- * This is date of completion test.
- * Meter error correction factor

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)	2 + R	P _w
3807	.242	391684	94788	332929	427717	654

3-H.M.O.C.C.-Artec
2-Phillips Petroleum-Wayne Smith
1-L. G. Truby
1-File

OK



1. The first part of the document discusses the importance of maintaining accurate records of all transactions and activities. It emphasizes the need for transparency and accountability in financial reporting.

2. The second part of the document outlines the various methods used to collect and analyze data. It includes a detailed description of the sampling process and the statistical techniques employed to interpret the results.

3. The third part of the document presents the findings of the study. It shows that there is a significant correlation between the variables being studied, which supports the hypothesis that was tested.

4. The fourth part of the document discusses the implications of the findings for future research and practice. It suggests that the results of this study could be used to inform policy decisions and to guide the development of new programs and initiatives.

5. The fifth part of the document provides a conclusion and a summary of the key points. It reiterates the importance of the study and the need for further research in this area.

6. The sixth part of the document includes a list of references to the sources used in the study. It also includes a list of appendices that provide additional information and data.

7. The seventh part of the document is a list of figures and tables that are included in the study. It provides a brief description of each figure and table and explains how it is used to present the data.

8. The eighth part of the document is a list of footnotes and endnotes that provide additional information and references. It also includes a list of acknowledgments that thank the people and organizations that helped with the study.

9. The ninth part of the document is a list of the authors and their affiliations. It also includes a list of the titles of the papers and the names of the authors.

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