

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 Mesaverde Formation Mesaverde County San Juan
Purchasing Pipeline PACIFIC NORTHWEST PIPELINE CORPORATION Date Test Filed JAN 9 1957
Operator PACIFIC NORTHWEST Lease COOK CANYON Well No. 6-16
Unit A Sec. 16 Twp. 32 Rge. 11 Pay Zone: From 5116 To 5748
Casing: OD 5" WT. 11.5 Set At 5749 Tubing: OD 2-3/8 WT. 4.7 T. Perf. 5720
Produced Through: Casing - Tubing X Gas Gravity: Measured .665 Estimated -
Date of Flow Test: From 11-9-56 To 11-17-56 * Date S.I.P. Measured 3-15-56
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. - = 563 psia (g)
Corrected seven day avge. meter press. (p_f) (g) + (e) - = 563 psia (h)
P_t = (h) + (f) - = 563 psia (i)
Wellhead casing shut-in pressure (Dwt) 1059 psig + 12 = 1071 psia (j)
Wellhead tubing shut-in pressure (Dwt) 1060 psig + 12 = 1072 psia (k)
P_c = (j) or (k) whichever well flowed through - = 1072 psia (l)
Flowing Temp. (Meter Run) 96 °F + 460 - = 556 °Abs (m)
P_d = 1/2 P_c = 1/2 (l) - = 536 psia (n)

FLOW RATE CALCULATION

$$Q = \frac{3123}{(\text{integrated})} \times \left(\frac{\sqrt{(c)}}{\sqrt{(d)}} \right) = \text{MCF/da}$$

DELIVERABILITY CALCULATION

$$D = Q \frac{3123}{\left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]} = \frac{861888}{623580} \cdot (1.3822)^{.75} = 1.2745 = 3980 \text{ MCF/da.}$$

SUMMARY

P_c = 1072 psia
Q = 3123 Mcf/day
P_w = 725 psia
P_d = 536 psia
D = 3980 Mcf/day

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

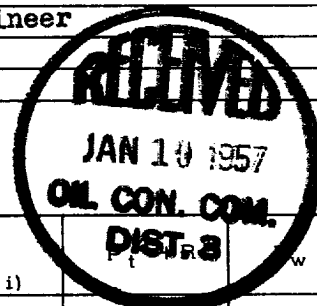
- * This is date of completion test.
- * Meter error correction factor

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)	P _t ²	P _w
3804	.242	862,127	208,635	316969	525604	725

3-N.M.O.C.C.-Aztec
1-L.G. Truby
3-File

OK



2000 2001

 Springer

the 1990s, the number of people in the world who are illiterate has increased from 1.2 billion to 1.5 billion. The number of illiterate people in the world is projected to reach 1.7 billion by the year 2015. The number of illiterate people in the world is projected to reach 1.7 billion by the year 2015.

DOI: 10.1002/for

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Figure 1 is a line graph showing the relationship between the percentage of total effort and the percentage of total catch for various fish species. The x-axis represents the 'Percentage of total effort' from 0 to 100, and the y-axis represents the 'Percentage of total catch' from 0 to 100. The legend identifies the following species: Blue (Bluefish), Green (Atlantic croaker), Red (Atlantic menhaden), Yellow (Atlantic silverside), Purple (Atlantic tomcod), Orange (Atlantic herring), and Grey (Atlantic blue whiting). Bluefish (Blue) shows a high catch for low effort, while Atlantic croaker (Green) and Atlantic menhaden (Red) show high catch for high effort. Atlantic silverside (Yellow) and Atlantic tomcod (Purple) show moderate catch for moderate effort. Atlantic herring (Orange) and Atlantic blue whiting (Grey) show low catch for low effort.

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[illegible]

100

100

• Wahlberechtigung in Deutschland: Staatsbürger
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1. *Chlorophyll a* and *Chlorophyll b* were determined by the method of Arar and Collins (1971) using a Shimadzu 1601 UV-Visible Spectrophotometer.

100

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[illegible]

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1. The first step is to identify the problem or question that needs to be answered. This involves understanding the context and the specific requirements of the task.