Form C-122-A

Revised April 20, 1955

V

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 Rio Arriba

Purchasing Pipeline Pacific Northwest Pipeline Corporation Date Test Filed January 8, 1957

Operator Pacific Northwest Pipeline Lease San Juan Unit 30-5 Well No. 4-35

Unit B Sec. 35 Twp. 30 Rge. 5 Pay Zone: From 5757 To 6350

Casing: OD 7" WT. 20 & 23 Set At 5690 Tubing: OD 1" WT. 1.9 & 1.8 T. Perf. 6043

Produced Through: Casing ^ Tubing X Gas Gravity: Measured .603 Estimated

Date of Flow Test: From 11-20-56 To 11-27-56 * Date S.I.P. Measured 10-21-53

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. | = 547 | psia | (g) |
| Corrected seven day avge. meter press. ($p_f$) (g) + (e) | = | psia | (h) |
| $P_t$ = (h) + (f) | = 547 | psia | (i) |
| Wellhead casing shut-in pressure (Dwt) 959 | psig + 12 = 971 | psia | (j) |
| Wellhead tubing shut-in pressure (Dwt) 964 | psig + 12 = 976 | psia | (k) |
| $P_c$ = (j) or (k) whichever well flowed through | = 976 | psia | (l) |
| Flowing Temp. (Meter Run) 67 °F + 460 | = 527 | °Abs | (m) |
| $P_d$ = ½ $P_c$ = ½ (l) | = 488 | psia | (n) |

## FLOW RATE CALCULATION

Q = 75.8 (integrated) X $\left( \frac{\sqrt{(c)}}{\sqrt{(d)}} = \frac{\quad}{\quad} = \quad \right)^n$ = _____ MCF/da

## DELIVERABILITY CALCULATION

D = Q 75.8 $\left[ \frac{(P_c^2 - P_d^2) = 714432}{(P_c^2 - P_w^2) = 649880} \right]^n$ $(1.0995)^{.75} = 1.0736$ = 81.4 MCF/da.

## SUMMARY

| | | |
|---|---|---|
| $P_c$ = | 976 | psia |
| Q = | ~~75.8~~ 76 | Mcf/day |
| $P_w$ = | 950 | psia |
| $P_d$ = | 488 | psia |
| D = | 81.4 | Mcf/day |

Company Pacific Northwest Pipeline Corporation

By Dennis C. Adams

Title Well Test Engineer

Witnessed by

Company

RECEIVED
JAN 10 1957
OIL CON. COM.
DIST. 3

* This is date of completion test.

* Meter error correction factor

REMARKS OR FRICTION CALCULATIONS

| GL | $(1-e^{-s})$ | $(F_cQ)^2$ | $\frac{(FcQ)^2 \quad (1-e^{-s})}{R^2}$ | $Pt^2$ (Column i) | $P_t^2 + R^2$ | P |
|---|---|---|---|---|---|---|
| 3765 | .239 | 14598 | 3487 | 299209, | 302,696 | 550 |

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

OK