

3 - MDOC
1 - L.G. Truby
3 - File

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 Blanco Formation Mesaverde County Rio Arriba
Purchasing Pipeline PACIFIC NORTHWEST PIPELINE CORPORATION Date Test Filed JAN 9 1957
Operator PACIFIC NORTHWEST Lease ROSA Well No. 8-26
Unit M Sec. 26 Twp. 31 Rge. 6 Pay Zone: From 5406 To 5865
Casing: OD 5 1/2 WT. 14 Set At 5712 Tubing: OD 2-3/8 WT. 4.7 T. Perf. 5688
Produced Through: Casing _____ Tubing x Gas Gravity: Measured .650 Estimated _____
Date of Flow Test: From 11-9-56 To 11-17-56 Date S.I.P. Measured 8-23-55
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. _____ = 519 psia (g)
Corrected seven day avge. meter press. (p_f) (g) + (e) _____ = _____ psia (h)
P_t = (h) + (f) _____ = 519 psia (i)
Wellhead casing shut-in pressure (Dwt) 1027 psig + 12 = 1039 psia (j)
Wellhead tubing shut-in pressure (Dwt) 1025 psig + 12 = 1037 psia (k)
P_c = (j) or (k) whichever well flowed through _____ = 1037 psia (l)
Flowing Temp. (Meter Run) 48 °F + 460 _____ = 508 °Abs (m)
P_d = 1/2 P_c = 1/2 (l) _____ = 519 psia (n)

Q = 297 X $\left(\frac{\text{FLOW RATE CALCULATION}}{\frac{\sqrt{(c)}}{\sqrt{(d)}}} \right) = \text{_____ MCF/da}$
(integrated)

DELIVERABILITY CALCULATION

D = Q 297 $\left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^{1/n} (1.0023)^{.75} = 1.0017 = \text{_____} 298 \text{ MCF/da.}$

SUMMARY

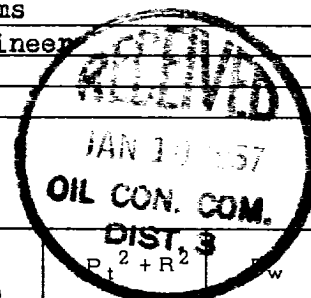
P_c = 1037 psia
Q = 297 Mcf/day
P_w = 521 psia
P_d = 519 psia
D = 298 Mcf/day

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 + R ²	P _w
<u>3697</u>	<u>.236</u>	<u>7795</u>	<u>1840</u>	<u>269361</u>	<u>271201</u>	<u>521</u>



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