

A - NMCC
1 - L.G.Truby
3 - File

Form C-122-A
Revised April 20, 1955

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 Rio Arriba
Purchasing Pipeline PACIFIC NORTHWEST PIPELINE CORPORATION Date Test Filed JAN 9 1957
Operator PACIFIC NORTHWEST Lease ROSA Well No. 12-15
Unit A Sec. 15 Twp. 31 Rge. 6 Pay Zone: From 5290 To 5716
Casing: OD 5" WT. 11.5 Set At 5729 Tubing: OD 2-3/8 WT. 4.7 T. Perf. 5657
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 8-15-56
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. = 549 psia (g)
Corrected seven day avge. meter press. (p_f) (g) + (e) = psia (h)
P_t = (h) + (f) = 549 psia (i)
Wellhead casing shut-in pressure (Dwt) 1113 psig + 12 = 1125 psia (j)
Wellhead tubing shut-in pressure (Dwt) 1116 psig + 12 = 1128 psia (k)
P_c = (j) or (k) whichever well flowed through = 1128 psia (l)
Flowing Temp. (Meter Run) 76 °F + 460 = 536 °Abs (m)
P_d = 1/2 P_c = 1/2 (l) = 564 psia (n)

FLOW RATE CALCULATION

Q = 1582 X $\left(\frac{\sqrt{(c)}}{\sqrt{(d)}} \right)^* = \text{ } \text{ MCF/da}$
(integrated)

DELIVERABILITY CALCULATION

D = Q 1582 $\left[\frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} \right]^n (1.0384)^{.75} = 1.0286 \text{ } 1627 \text{ MCF/da.}$
954,288
918,993

SUMMARY

P_c = 1128 psia
Q = 1582 Mcf/day
P_w = 595 psia
P_d = 564 psia
D = 1627 Mcf/day

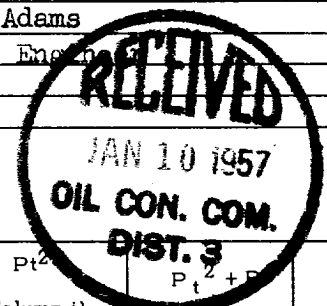
Company Pacific Northwest Pipeline Corp.
By Donald C. Adams
Title Well Test Engineer
Witnessed by
Company

* 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 ²	P _w
3677	.235	221236	51990	301401	353391	595

OK



X

