

WCSW
Bulaway
Smith
2- File

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 Mesa Verde County San Juan
Purchasing Pipeline Pacific Northwest Pipeline Corp. Date Test Filed January 30, 1958
Operator Pacific Northwest Pipeline Lease San Juan, 32-7 Well No. 16-27
Unit H Sec. 17 Twp. 32N Rge. 7W Pay Zone: From 5928 To 5408
Casing: OD 5-1/2" WT. 14-0 Set At 5928 Tubing: OD 1-1/4" WT. T. Perf. 5926
Produced Through: Casing Tubing 21 Gas Gravity: Measured .60 Estimated
Date of Flow Test: From 12-23 To 12-31 * Date S.I.P. Measured 12-29-57
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 436 psig + 12 = 448 psia (g)
Square root chart average reading ()² x sp. const. = psia (g)
Corrected seven day avge. meter press. (p_f) (g) + (e) = 448 psia (h)
P_t = (h) + (f) = 448 psia (i)
Wellhead casing shut-in pressure (Dwt) 1231 psig + 12 = 1243 psia (j)
Wellhead tubing shut-in pressure (Dwt) 450 psig + 12 = 462 psia (k)
P_c = (j) or (k) whichever well flowed through = 1243 psia (l)
Flowing Temp. (Meter Run) 64 °F + 460 = 524 °Abs (m)
P_d = 1/2 P_c = 1/2 (l) = 621.5 psia (n)

Q = 846 X $\left(\frac{\text{FLOW RATE CALCULATION}}{\frac{\sqrt{(c)}}{\sqrt{(d)}}} \right)^* = \underline{846} MCF/da
(integrated)$

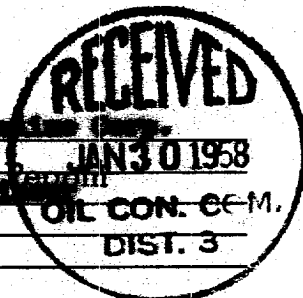
DELIVERABILITY CALCULATION

D = Q. 846 $\left[\frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} = \frac{1,158,787}{1,241,523} \right]^n \frac{(0.9334)^{.75}}{0.9495} = \underline{803} MCF/da.$

SUMMARY

P_c = 1243 psia
Q = 846 Mcf/day
P_w = 951 psia
P_d = 621.5 psia
D = 803 Mcf/day

Company Pacific Northwest Pipeline Corp.
By Original signed by G. H. Berglund
Title Oil Well Production Manager
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
31.5	0.837	433.887	102.822	800704	903.906	951

OK

