

3-N.M. O.C.C. Antec

1-L.G. Truby

2-Phillips Pet Co

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 M. V. M. V. Formation Mesa Verde County Rio Arriba
Purchasing Pipeline Pacific Northwest Pipeline Corp Date Test Filed 5-1-57
Operator Pacific Northwest Pipeline Lease San Juan 29-5 Well No. 35-34
Unit L Sec. 34 Twp. 29N Rge. 5 W Pay Zone: From 5416 To 5922
Casing: OD 5 1/2 WT. Set At 5970 Tubing: OD 2 3/8 WT. T. Perf. 5928
Produced Through: Casing _____ Tubing X X Gas Gravity: Measured _____ Estimated .650
Date of Flow Test: From 3-17-57 To 3-25-57 Date S.I.P. Measured 5-2-56
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 549 psig + 12 = 562 psia (g)
Square root chart average reading (_____)² x sp. const. _____ = _____ psia (g)
Corrected seven day avge. meter press. (p_f) (g) + (e) _____ = 561 psia (h)
P_t = (h) + (f) _____ = 561 psia (i)
Wellhead casing shut-in pressure (Dwt) 1127 psig + 12 = 1139 psia (j)
Wellhead tubing shut-in pressure (Dwt) 969 psig + 12 = 981 psia (k)
P_c = (j) or (k) whichever well flowed through _____ = 981 psia (l)
Flowing Temp. (Meter Run) _____ °F + 460 _____ = 490 °Abs (m)
P_d = 1/2 P_c = 1/2 (l) _____ = 490 psia (n)

Q = 1,049 X $\left(\frac{\text{FLOW RATE CALCULATION}}{\sqrt{(c)}} = \frac{\text{_____}}{\sqrt{(d)}} = \text{_____}} \right)^* = \underline{1,049} MCF/day
(integrated)$

DELIVERABILITY CALCULATION

D = Q 1,049 $\left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n = \frac{1.1576}{1.1160} = \underline{1171} MCF/day$

SUMMARY

P_c = 981 psia
Q = 1049 Mcf/day
P_w = 582 psia
P_d = 490 psia
D = 1171 Mcf/day

Company Pacific Northwest Pipeline Corp
By Original signed by G. H. Pappas
Title District Production 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})	P _t ²	P _t ² + R ²	P _w
			R ²	(Column i)		
3953	0.244	97.279	23.736	314.721	338.457	582

OIL CONSERVATION COMMISSION		
AZTEC DISTRICT OFFICE		
No. Copies Received <u>3</u>		
DISTRIBUTION		
	NO. FURNISHED	
Operator		
Santa Fe	<u>1</u>	
Proration Office		
State Land Office		
U.S.G.P.	<u>1</u>	