

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 South Blanco Formation Pictured Cliffs County Rio Arriba
Purchasing Pipeline Pacific Northwest Pipeline Corporation Date Test Filed 2-12-58
Operator Northwest Production Corp. Lease "C" Well No. 11-32
Unit G Sec. 32 Twp. 26N Rge. 4W Pay Zone: From 3330 To 3351
Casing: OD 5 WT. 11.5 Set At 3420 Tubing: OD 1 1/2 WT. 2.3 T. Perf. 3324
Produced Through: Casing _____ Tubing X Gas Gravity: Measured .680 Estimated _____
Date of Flow Test: From 1-23-58 To 1-31-58 * Date S.I.P. Measured 9-25-57
Meter Run Size 4.027 Orifice Size 1.000 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 = 561 psia (g)
Square root chart average reading (_____)² x sp. const. _____ = _____ psia (g)
Corrected seven day avge. meter press. (p_f) (g) + (e) _____ = _____ psia (h)
P_t = (h) + (f) _____ = _____ psia (i)
Wellhead casing shut-in pressure (Dwt) 1071 psig + 12 = 1083 psia (j)
Wellhead tubing shut-in pressure (Dwt) 1071 psig + 12 = 1083 psia (k)
P_c = (j) or (k) whichever well flowed through _____ = _____ psia (l)
Flowing Temp. (Meter Run) 35 °F + 460 _____ = 495 °Abs (m)
P_d = 1/2 P_c = 1/2 (l) _____ = 542 psia (n)

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

DELIVERABILITY CALCULATION

D = Q 439 $\left[\frac{(P_c^2 - P_d^2) = 879,125}{(P_c^2 - P_w^2) = 840,412} \right]^n \frac{1.0390}{(1.0461)} = \text{_____ MCF/da.}$

SUMMARY

P _c =	<u>1083</u>	psia	Company	<u>Northwest Production Corp</u>
Q =	<u>439</u>	Mcf/day	By	<u>Ray Phillips RAY PHILLIPS</u>
P _w =	<u>577</u>	psia	Title	<u>Asst Mgr, Prod Opr</u>
P _d =	<u>542</u>	psia	Witnessed by	_____
D =	<u>456</u>	Mcf/day	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
2260	0.152	116.813	17,756	314,721	332,477	576.6

F_c = 24.62

