

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 Corp. Date Test Filed 7-18-57
Operator Northwest Production Corp. Lease "H" Well No. 4-6
Unit 8 Sec. 6 Twp. 26N Rge. 4W Pay Zone: From 5572 To 6180
Casing: OD 7-5/8 WT. 26.4 Set At 4121 Tubing: OD 2-3/8 WT. 4.7 T. Perf. 5572
Produced Through: Casing X Tubing _____ Gas Gravity: Measured .670 Estimated _____
Date of Flow Test: From 6-8-57 To 6-16-57 * Date S.I.P. Measured 3-6-57
Meter Run Size 2" 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 949 psig + 12 = 961 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) = 961 psia (i)
Wellhead casing shut-in pressure (Dwt) 1091 psig + 12 = 1093 psia (j)
Wellhead tubing shut-in pressure (Dwt) _____ psig + 12 = 1093 psia (k)
P_c = (j) or (k) whichever well flowed through = 1093 psia (l)
Flowing Temp. (Meter Run) _____ °F + 460 = _____ ° Abs (m)
P_d = ½ P_c = ½ (l) = 947 psia (n)

Q = 209 X $\left(\frac{\text{FLOW RATE CALCULATION}}{\sqrt{(c)}} = \frac{\text{FLOW RATE CALCULATION}}{\sqrt{(d)}}} \right) = \text{_____ MCF/da}$
(integrated)

DELIVERABILITY CALCULATION

D = Q 209 $\left[\frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} = \frac{895.440}{879.928} \right]^n \frac{1.0131}{1} = \text{_____ MCF/da.}$

SUMMARY

P_c = 1093 psia
Q = 209 Mcf/day
P_w = 961 psia
P_d = 947 psia
D = 212 Mcf/day

Company Northwest Production Corp.
By Ray Phillips RAY PHILLIPS
Title Asst Mgr, Prod Operations
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
3733	0.238	0.042	0.010	314.721	314.731	561



