

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 Flores Vista Formation Fruitland County San Juan
Purchasing Pipeline El Paso Natural Gas Company Date Test Filed 6-28-57
Operator Northwest Production Corp. Lease Blanco 30-12 Well No. 4-10
Unit 2 Sec. 10 Twp. 30N Rge. 12W Pay Zone: From 1816 To 1934
Casing: OD 4 1/2 WT. 9.5 Set At 1990 Tubing: OD 1 1/2 WT. 2.3 T. Perf. _____
Produced Through: Casing _____ Tubing X Gas Gravity: Measured .670 Estimated _____
Date of Flow Test: From 5-17-57 To 5-24-57 * Date S.I.P. Measured 5-24-57
Meter Run Size 2" Orifice Size 1.230 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 400 psig + 12 = 412 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) _____ = 412 psia (i)
Wellhead casing shut-in pressure (Dwt) 677 psig + 12 = 689 psia (j)
Wellhead tubing shut-in pressure (Dwt) 677 psig + 12 = 689 psia (k)
P_c = (j) or (k) whichever well flowed through _____ = 689 psia (l)
Flowing Temp. (Meter Run) 60 °F + 460 _____ = _____ °Abs (m)
P_d = 1/2 P_c = 1/2 (l) _____ = 345 psia (n)

Q = 682 X $\left(\frac{\text{FLOW RATE CALCULATION}}{\sqrt{(c)} = \text{_____} = \text{_____}} \right)^* = \text{_____ MCF/da}$
(integrated) $\sqrt{(d)} = \text{_____}$

DELIVERABILITY CALCULATION

D = Q 682 $\left[\frac{(P_c^2 - P_d^2) = \text{355.696}}{(P_c^2 - P_w^2) = \text{279.887}} \right]^n \frac{1.2230}{\text{_____}} = \text{836 MCF/da.}$

SUMMARY

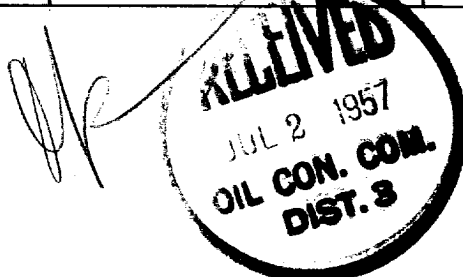
P_c = 689 psia
Q = 682 Mcf/day
P_w = 441.4 psia
P_d = 345 psia
D = 836 Mcf/day

Company Northwest Production Corp.
By Ray Phillips RAY PHILLIPS
Title Asst Mgr, Prod Opr
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 R ²	(1-e ^{-S})	P _t ² (Column i)	P _t ² + R ²	P _w
1274	0.009	281.938	23.092		169.744	194.836	441.4



RECEIVED
JAN 10 1960

U.S. DEPARTMENT OF AGRICULTURE
WASHINGTON, D.C.

TO THE DIRECTOR, AGRICULTURAL RESEARCH SERVICE
FROM THE CHIEF, PLANT INDUSTRY DIVISION
SUBJECT: [Illegible]

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