

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 Tapacito Formation Pictured Cliffs County Rio Arriba
Purchasing Pipeline Pacific Northwest Pipeline Corporation Date Test Filed May 13, 1958
Operator Northwest Production Corp. Lease "N" Well No. 11-7
Unit D Sec. 7 Twp. 26N Rge. 4W Pay Zone: From 3788 To 3841
Casing: OD 5 1/4 WT. 15.5 Set At 3886 Tubing: OD 1-1/4 WT. 2.3 T. Perf. 3797
Produced Through: Casing _____ Tubing X Gas Gravity: Measured 0.674 Estimated _____
Date of Flow Test: From 3-30-58 To 4-7-58 * Date S.I.P. Measured 12-20-57
Meter Run Size 4.025 Orifice Size 0.500 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 709 psig + 12 = 721 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) _____ = 721 psia (i)
Wellhead casing shut-in pressure (Dwt) 1033 psig + 12 = 1045 psia (j)
Wellhead tubing shut-in pressure (Dwt) 1032 psig + 12 = 1044 psia (k)
P_c = (j) or (k) whichever well flowed through _____ = 1044 psia (l)
Flowing Temp. (Meter Run) 58 °F + 460 _____ = 518 ° Abs (m)
P_d = 1/2 P_c = 1/2 (l) _____ = 522 psia (n)

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

DELIVERABILITY CALCULATION

D = Q 154 $\left[\frac{(P_c^2 - P_d^2) = 817,452}{(P_c^2 - P_w^2) = 567,651} \right]^n \frac{1.3633}{(1.440)^N} = 210 \text{ MCF/da.}$

SUMMARY

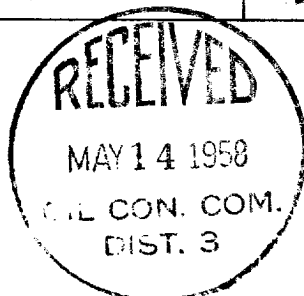
P_c = 1044 psia Company Northwest Production Corp.
Q = 154 Mcf/day By M. B. Jones M. B. JONES
P_w = 723 psia Title Asst Mgr, Prod Opr
P_d = 522 psia Witnessed by _____
D = 210 Mcf/day Company _____

- * 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
2559	0.170	14.379	2,444	519,841	522,285	722.7

F_c = 24.62



OK

[illegible]

1. *Chlorophyll a* and *Chlorophyll b* were determined by the method of Lichtenthaler and Whistler (1972). The *Chlorophyll a* and *Chlorophyll b* contents were expressed as mg g⁻¹ of fresh weight.

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[illegible]

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