

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 Mesa Verde County Rio Arriba
Purchasing Pipeline Pacific Northwest Pipeline Corp. Date Test Filed May 13, 1956
Operator Pacific Northwest Pipeline Corporation Lease 29-6 Well No. 10-2
Unit B Sec. 2 Twp. 29N Rge. 6W Pay Zone: From 5248 To 5741
Casing: OD 7" WT. 23 1/2 Set At 5187 Tubing: OD 2" WT. 4.7 T. Perf. 5686
Produced Through: Casing ^ Tubing X Gas Gravity: Measured _____ Estimated .675
Date of Flow Test: From 5-9 To 5-17-56 * Date S.I.P. Measured 10-29-54
Meter Run Size 4" Orifice Size 1-1/2" Type Chart Normal Type Taps Flange

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 605 psig + 12 = 617 psia (g)
Square root chart average reading (_____) ² x sp. const. _____ = _____ psia (g)
Corrected seven day avge. meter press. (p_f) (g) + (e) _____ = 617 psia (h)
P_t = (h) + (f) _____ = 617 psia (i)
Wellhead casing shut-in pressure (Dwt) 1099 psig + 12 = 1111 psia (j)
Wellhead tubing shut-in pressure (Dwt) 1097 psig + 12 = 1109 psia (k)
P_c = (j) or (k) whichever well flowed through _____ = 1109 psia (l)
Flowing Temp. (Meter Run) 74 °F + 460 _____ = 534 °Abs (m)
P_d = 1/2 P_c = 1/2 (l) _____ = 555 psia (n)

FLOW RATE CALCULATION

Q = _____ X $\left(\frac{\sqrt{(c)}}{\sqrt{(d)}} \right)^n$ = _____ MCF/da
(Integrated)

DELIVERABILITY CALCULATION

D = Q 1247 $\left[\frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} \right]^n$.75 $\frac{1.131}{1.097}$ = 1368 MCF/da.

SUMMARY

P_c = 1109 psia
Q = 1247 Mcf/day
P_w = 644 psia
P_d = 555 psia
D = 1368 Mcf/day

Company PACIFIC NORTHWEST PIPELINE CORP.
By W.B. Richardson (W.B.)
Title Measurement Engr. Richardson III
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
3838	.244	137.36	33.516	380.689	414.205	643.6

- 3 - N.M.O.C.C.
- 1 - W. R. Johnston
- 1 - L. G. Truby
- 1 - R. C. Frederick
- 1 - Oliver Fowler
- 2 - File



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