

ACC AZTEC
Bill Outler
1-L. D. Galloway-2
1-Smith
2-File
Final 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 Blanco Formation Mesa Verde County Rio Arriba
Purchasing Pipeline PACIFIC NORTHWEST PIPELINE CORP. Date Test Filed 10-21-58
Operator PACIFIC NORTHWEST PIPELINE Lease San Juan 29-6 Well No. 41-24
Unit A Sec. 24 Twp. 29N Rge. 6W Pay Zone: From _____ To _____
Casing: OD 5 1/2" WT. _____ Set At 6020' Tubing: OD 1 1/4" WT. 2.44 T. Perf. 5948'
Produced Through: Casing _____ Tubing _____ Gas Gravity: Measured .699 Estimated _____
Date of Flow Test: From 9-21-58 To 9-29-58 * Date S.I.P. Measured 6-25-58
Meter Run Size _____ 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): 449
Normal chart average reading _____ psig + 12 = 461 psia (g)
Square root chart average reading (_____) ² x sp. const. _____ = 461 psia (g)
Corrected seven day avge. meter press. (p_f) (g) + (e) _____ = 461 psia (h)
P_t = (h) + (f) _____ = 461 psia (i)
Wellhead casing shut-in pressure (Dwt) 1101 psig + 12 = 1113 psia (j)
Wellhead tubing shut-in pressure (Dwt) 1102 psig + 12 = 1114 psia (k)
P_c = (j) or (k) whichever well flowed through _____ = _____ psia (l)
Flowing Temp. (Meter Run) 73 °F + 460 _____ = 533 ° Abs (m)
P_d = 1/2 P_c = 1/2 (l) _____ = 557 psia (n)

Q = 1,258 X $\left(\frac{\text{FLOW RATE CALCULATION}}{\frac{\sqrt{(c)}}{\sqrt{(d)}}} \right) =$ _____ MCF/da
(integrated)

DELIVERABILITY CALCULATION

D = Q 1,258 $\left[\frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} \right]^n \frac{(1.196)^{.75}}{1.144} =$ 1,439 MCF/da.

SUMMARY

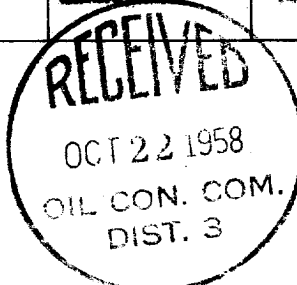
P_c = 1114 psia
Q = 1,258 Mcf/day
P_w = 680 psia
P_d = 557 psia
D = 1,439 Mcf/day

Company PACIFIC NORTHWEST PIPELINE
By Original signed by G. H. Peppin
Title District Production Engineer
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
<u>4158</u>	<u>0.261</u>	<u>959.265</u>	<u>250.368</u>	<u>212.521</u>	<u>462.889</u>	<u>680</u>



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