

ADDC Antec
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2-File

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)

Elmoo

Mesa Verde

Rio Arriba

Pool EL PASO NATURAL GAS COMPANY County 2-13-58
Purchasing Pipeline PACIFIC NORTHWEST PIPELINE Date Test Filed 8-18
Operator A 18 31N Lease SW 5530' Well No. 5848'
Unit 5-4' Sec. 14.0 Twp. 5930' Pay Zone: 2' From 4.7 To 5830'
Casing: OD WT. Set At xx Tubing: OD WT. 595 T. Perf.
Produced Through: Casing 11-22-57 Tubing 11-30-57 Gas Gravity: Measured 6-12-57 Estimated
Date of Flow Test: From To * 1,000 P. Measured
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): 15.000 psig + 12 = 746 psia (g)
Normal chart average reading 1.05 = psia (g)
Square root chart average reading () ² x sp. const. = 746 psia (g)
Corrected seven day avge. meter press. (p_f) (g) + (e) = 1257 psia (i)
1258 psig + 12 = 1270 psia (j)
Wellhead casing shut-in pressure (Dwt) psig + 12 = 1270 psia (k)
Wellhead tubing shut-in pressure (Dwt) 58 psig + 12 = 518 psia (l)
P_c = (j) or (k) whichever well flowed through = 635 psia (m)
Flowing Temp. (Meter Run) °F + 460 = °Abs (n)
P_d = ½ P_c = ½ (l) = psia (n)

Q = 437 X $\left(\frac{\text{FLOW RATE CALCULATION}}{\frac{V(c)}{V(d)}} \right) = \underline{\hspace{2cm}} MCF/day
(Integrated)$

D = Q 437 $\left[\frac{\text{DELIVERABILITY CALCULATION}}{\left(\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right)^n} \right] = \underline{\hspace{2cm}} MCF/day
1,209,675 (1.149)
1,052,619 1.110$

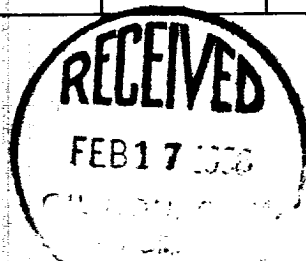
SUMMARY 1270
P_c = 437 psia
Q = 748 Mcf/day
P_w = 635 psia
P_d = 485 psia
D = Mcf/day

PACIFIC NORTHWEST PIPELINE CORP.
Original signed by G. H. Peppin
District Exploration Engineer
Company
By
Title
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})	P _t ²	P _t ² + R ²	P _w
<u>3469</u>	<u>0.223</u>	<u>16.894</u>	<u>3.765</u> R ²	<u>556.216</u>	<u>560.221</u>	<u>748</u>



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1. The first step in the process is to identify the problem. This involves gathering information about the situation and understanding the needs of the stakeholders involved.

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