

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)

Pool Elmwood Formation Elmwood County San Juan  
Purchasing Pipeline ELMWOOD PIPELINE CORPORATION Date Test Filed 2-25-58  
Operator ELMWOOD PIPELINE Lease San Juan 31-6 Well No. 12-2  
Unit 1 Sec. 2 Twp. 30N Rge. 6E Pay Zone: From 200' To 975'  
Casing: OD 5 7/8" WT. 14.6 Set At 2933' Tubing: OD 2 1/4" WT. 2.4 T. Perf. 975'  
Produced Through: Casing 2-16-58 Tubing 2-23-58 Gas Gravity: Measured .975 Estimated   
Date of Flow Test: From 2-16-58 To 2-23-58 \* Date S.I.P. Measured 2-18-58  
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 (  )<sup>2</sup> 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 905 psig + 12 = 917 psia (g)  
Square root chart average reading (  )<sup>2</sup> x sp. const.  =  psia (g)  
Corrected seven day avge. meter press. (p<sub>f</sub>) (g) + (e)  = 917 psia (h)  
P<sub>t</sub> = (h) + (f)  = 917 psia (i)  
Wellhead casing shut-in pressure (Dwt) 915 psig + 12 = 927 psia (j)  
Wellhead tubing shut-in pressure (Dwt) 917 psig + 12 = 929 psia (k)  
P<sub>c</sub> = (j) or (k) whichever well flowed through 929 psia (l)  
Flowing Temp. (Meter Run) 118 °F + 460  = 578 °Abs (m)  
P<sub>d</sub> = 1/2 P<sub>c</sub> = 1/2 (l)  = 464.5 psia (n)

Q = 616 X  $\left( \frac{\text{FLOW RATE CALCULATION}}{\frac{\sqrt{(c)}}{\sqrt{(d)}}} \right) = \underline{\underline{616}}$  MCF/da  
(Integrated)

D = Q 616  $\left[ \frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n \frac{(1.197)^{.75}}{1.197} = \underline{\underline{700}}$  MCF/da.

SUMMARY

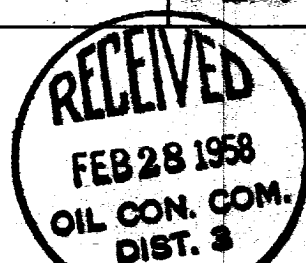
P<sub>c</sub> = 929 psia  
Q = 616 Mcf/day  
P<sub>w</sub> = 929 psia  
P<sub>d</sub> = 464.5 psia  
D = 700 Mcf/day

Company ELMWOOD PIPELINE CORP.  
By Original signed by G. H. Peppin  
Title ELMWOOD PIPELINE ENGINEER  
Witnessed by   
Company

\* This is date of completion test.  
\* Meter error correction factor

REMARKS OR FRICTION CALCULATIONS

GL	(1-e <sup>-S</sup> )	(F <sub>c</sub> Q) <sup>2</sup>	(F <sub>c</sub> Q) <sup>2</sup> (1-e <sup>-S</sup> ) R <sup>2</sup>	P <sub>t</sub> <sup>2</sup> (Column 1)	P <sub>t</sub> <sup>2</sup> + R <sup>2</sup>	P <sub>w</sub>
<u>3035</u>	<u>0.213</u>	<u>234,008</u>	<u>18,922</u>	<u>857,809</u>	<u>876,731</u>	<u>936</u>



[illegible]