

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 AEVNEC Formation PICTURED CLIFFS County SAN JUAN  
Purchasing Pipeline EL PASO NATURAL GAS COMPANY Date Test Filed 4-30-58  
Operator FRANK A. SCHULTZ, JR. Well No. 8-16  
Unit A Sec. 16 Twp. 29N Rgs. 10E Pay Zone: From 2070 To 2100  
Casing: OD 5-1/2" WT. 15.5# Set At 2182 Tubing: OD 1" WT. 1.7# T. Perf. 2107  
Produced Through: Casing X Tubing \_\_\_\_\_ Gas Gravity: Measured 0.653 Estimated \_\_\_\_\_  
Date of Flow Test: From 3-30-58 To 4-7-58 \* Date S.I.P. Measured 2-20-58  
Meter Run Size 4" Orifice Size 1.000 Type Chart Sq. Rt. 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 ( ) <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 \_\_\_\_\_ psig + 12 = \_\_\_\_\_ psia (g)  
Square root chart average reading (7.55) <sup>2</sup> x sp. const. 5 \_\_\_\_\_ = 285 psia (g)  
Corrected seven day avg. meter press. (p<sub>f</sub>) (g) + (e) \_\_\_\_\_ = 285 psia (h)  
P<sub>t</sub> = (h) + (f) \_\_\_\_\_ = 285 psia (i)  
Wellhead casing shut-in pressure (Dwt) 690 psig + 12 = 692 psia (j)  
Wellhead tubing shut-in pressure (Dwt) 690 psig + 12 = 692 psia (k)  
P<sub>c</sub> = (j) or (k) whichever well flowed through \_\_\_\_\_ = 692 psia (l)  
Flowing Temp. (Meter Run) 54 °F + 460 \_\_\_\_\_ = 514 ° Abs (m)  
P<sub>d</sub> = 1/2 P<sub>c</sub> = 1/2 (l) \_\_\_\_\_ = 346 psia (n)

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

DELIVERABILITY CALCULATION

D = Q 262  $\left[ \frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} \right]^n$  0.917 = 240 MCF/da.

SUMMARY

P<sub>c</sub> = 692 psia  
Q = 262 Mcf/day  
P<sub>w</sub> = 285 psia  
P<sub>d</sub> = 346 psia  
D = 240 Mcf/day

Company FRANK A. SCHULTZ, JR.  
By W. J. ...  
Title 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> )<br>R <sup>2</sup> | P <sub>t</sub> <sup>2</sup><br>(Column i) | P <sub>t</sub> <sup>2</sup> + R <sup>2</sup> | P <sub>w</sub> |
|----|----------------------|---------------------------------|------------------------------------------------------------------------|-------------------------------------------|----------------------------------------------|----------------|
|    |                      |                                 | Friction negligible                                                    |                                           |                                              |                |



OK

RECEIVED  
COMMUNICATIONS SECTION  
JAN 10 1954

TO: SAC, NEW YORK  
FROM: SAC, PHOENIX  
SUBJECT: [Illegible]

RE: [Illegible]

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