

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 So. Blanco Pictured Cliffs Formation Pictured Cliffs County Rio Arriba  
Purchasing Pipeline El Paso Natural Gas Company Date Test Filed 1/14/58  
Operator The Ohio Oil Company Lease Jicarilla Apache Well No. 7  
Unit D Sec. 27 Twp. 26N Rge. 5W Pay Zone: From 2910 To 3000  
Casing: OD 7" WT. 20# Set At 2914 Tubing: OD 2-3/8 WT. 4.7 T. Perf. 2907-2907  
Produced Through: Casing \_\_\_\_\_ Tubing X Gas Gravity: Measured .705 Estimated \_\_\_\_\_  
Date of Flow Test: From \_\_\_\_\_ To \_\_\_\_\_ \* Date S.I.P. Measured 2/10/58  
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 7.20 \_\_\_\_\_ psig + 12 = 259 psia (g)  
Square root chart average reading (\_\_\_\_\_) <sup>2</sup> x sp. const. 5 \_\_\_\_\_ = 259 psia (g)  
Corrected seven day avge. meter press. (p<sub>f</sub>) (g) + (e) \_\_\_\_\_ = 259 psia (h)  
P<sub>t</sub> = (h) + (f) \_\_\_\_\_ = 970 psia (i)  
Wellhead casing shut-in pressure (Dwt) 970 \_\_\_\_\_ psig + 12 = 982 psia (j)  
Wellhead tubing shut-in pressure (Dwt) 970 \_\_\_\_\_ psig + 12 = 982 psia (k)  
P<sub>c</sub> = (j) or (k) whichever well flowed through \_\_\_\_\_ = 982 psia (l)  
Flowing Temp. (Meter Run) 61 °F + 460 \_\_\_\_\_ = 521 °Abs (m)  
P<sub>d</sub> = 1/2 P<sub>c</sub> = 1/2 (l) \_\_\_\_\_ = 491 psia (n)

Q = \_\_\_\_\_ X  $\left( \frac{\text{FLOW RATE CALCULATION}}{\frac{\sqrt{(c)}}{\sqrt{(d)}}} \right)^* = \underline{558} \text{ MCF/da}$   
(integrated)

DELIVERABILITY CALCULATION

D = Q 558  $\left[ \frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} \right]^n = \underline{486} \text{ MCF/da.}$   
 $\frac{723,249}{893,273}$   $558 \times .836$

SUMMARY

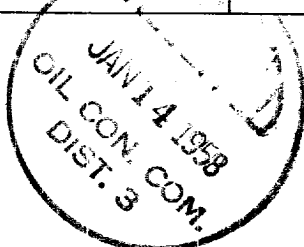
P<sub>c</sub> = 982 psia  
Q = 558 Mcf/day  
P<sub>w</sub> = 204 psia  
P<sub>d</sub> = 491 psia  
D = 486 Mcf/day

Company The Ohio Oil Company  
By W. A. P.  
Title Production Foreman  
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 i)	P <sub>t</sub> <sup>2</sup> + R <sup>2</sup>	P <sub>w</sub>
<u>2002</u>	<u>0.141</u>	<u>27.52</u>	<u>3.88</u>	<u>67.691</u>	<u>70.961</u>	<u>266</u>



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