

Initial 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-Mesa Verde Formation Mesa Verde County San Juan  
Purchasing Pipeline El Paso Natural Gas Company Date Test Filed 12/12/57  
Operator The Ohio Oil Company Lease N. H. 021125 Ohio Well No. 1  
Unit A Sec. 18 Twp. 31N Rge. 12W Pay Zone: From 4656 To 4890  
Casing: OD 5" Liner WT. 15# Set At 4372-4953 Tubing: OD 2 3/8" WT. 4.7# T. Perf. 4835-4885  
Produced Through: Casing \_\_\_\_\_ Tubing X Gas Gravity: Measured .680 Estimated \_\_\_\_\_  
Date of Flow Test: From 6/1/57 To 6/9/57 \* Date S.I.P. Measured 1/2/57  
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 \_\_\_\_\_ psig + 12 = \_\_\_\_\_ psia (g)  
Square root chart average reading (7.40) <sup>2</sup> x sp. const. 10 \_\_\_\_\_ = 547.6 psia (g)  
Corrected seven day avge. meter press. (p<sub>f</sub>) (g) + (e) \_\_\_\_\_ = 547.6 psia (h)  
P<sub>t</sub> = (h) + (f) \_\_\_\_\_ = 547.6 psia (i)  
Wellhead casing shut-in pressure (Dwt) 1080 psig + 12 = 1092 psia (j)  
Wellhead tubing shut-in pressure (Dwt) 1070 psig + 12 = 1082 psia (k)  
P<sub>c</sub> = (j) or (k) whichever well flowed through \_\_\_\_\_ = 1082 psia (l)  
Flowing Temp. (Meter Run) 80 °F + 460 \_\_\_\_\_ = 540 °Abs (m)  
P<sub>d</sub> = 1/2 P<sub>c</sub> = 1/2 (l) \_\_\_\_\_ = 541 psia (n)

FLOW RATE CALCULATION

$$Q = \text{(integrated)} \times \left( \frac{\sqrt{(c)}}{\sqrt{(d)}} \right) = \text{901 MCF/day}$$

DELIVERABILITY CALCULATION

$$D = Q \times \left[ \frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n = 901 \times 1.016 = 915 \text{ MCF/day}$$

SUMMARY

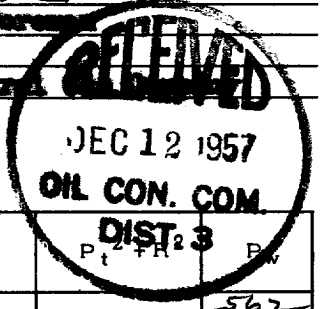
P<sub>c</sub> = 1082 psia  
Q = 901 Mcf/day  
P<sub>w</sub> = 561 562 psia  
P<sub>d</sub> = 541 psia  
D = 915 Mcf/day

Company The Ohio Oil Company  
By W. A. Paul  
Title Production Foreman  
Witnessed by \_\_\_\_\_  
Company El Paso Natural Gas

\* 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>
3301	.213	71.7	15.3	299.9	315.2	562



OK



*[Faint, illegible text and markings across the middle section of the page.]*

*[Handwritten markings, possibly "11 2 5"]*

