

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 Mesaverde Formation Mesaverde County RA  
Purchasing Pipeline El Paso Natural Gas Company Date Test Filed February 6, 1956

Operator Blackwood & Nichols Lease NE Blanco Unit Well No. 25-17  
Unit B Sec. 17 Twp. 30N Rge. 7W Pay Zone: From \_\_\_\_\_ To \_\_\_\_\_  
Casing: OD \_\_\_\_\_ WT. \_\_\_\_\_ Set At \_\_\_\_\_ Tubing: OD 2 WT. 4.7 T. Perf. 5525  
Produced Through: Casing \_\_\_\_\_ Tubing \_\_\_\_\_ Gas Gravity: Measured \_\_\_\_\_ Estimated .645  
Date of Flow Test: From 1/9/56 To 1/17/56 \* Date S.I.P. Measured \_\_\_\_\_  
Meter Run Size 4" Orifice Size \_\_\_\_\_ Type Chart Sq. Ed. 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 ( 7.70 )<sup>2</sup> x sp. const. 10.00 \_\_\_\_\_ = 593 psia (g)  
Corrected seven day ave. meter press. (p<sub>f</sub>) (g) + (e) \_\_\_\_\_ = \_\_\_\_\_ psia (h)  
P<sub>t</sub> = (h) + (f) \_\_\_\_\_ = 593 psia (i)  
Wellhead casing shut-in pressure (Dwt) 1116 psig + 12 = 1128 psia (j)  
Wellhead tubing shut-in pressure (Dwt) \_\_\_\_\_ psig + 12 = \_\_\_\_\_ psia (k)  
P<sub>c</sub> = (j) or (k) whichever well flowed through \_\_\_\_\_ = 1128 psia (l)  
Flowing Temp. (Meter Run) 73 °F + 460 \_\_\_\_\_ = 533 °Abs (m)  
P<sub>d</sub> = ½ P<sub>c</sub> = ½ (l) \_\_\_\_\_ = 564 psia (n)

FLOW RATE CALCULATION

Q = 1908 X  $\left( \frac{\sqrt{(c)}}{\sqrt{(d)}} \right) =$  \_\_\_\_\_ MCF/da  
(Integrated)

DELIVERABILITY CALCULATION

D = Q 1908  $\left[ \frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} \right]^n =$  2091 MCF/da.  
 $\left[ \frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} \right] = \frac{954,288}{847,380}$  n 1.0959

SUMMARY

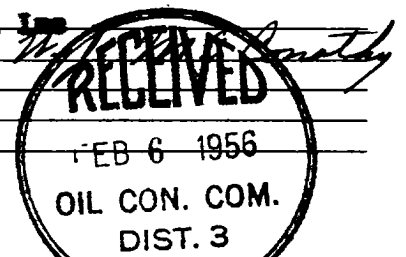
P<sub>c</sub> = 1128 psia  
Q = 1908 Mcf/day  
P<sub>w</sub> = 652 psia  
P<sub>d</sub> = 564 psia  
D = 2091 Mcf/day

Company Geolectric, Inc  
By W. J. McConathy  
Title Agent  
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> 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>3564</u>	<u>.228</u>	<u>321,808</u>	<u>73.372</u>	<u>351.649</u>	<u>425.021</u>	<u>652.9</u>



OK