

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 Formation Mesa Verde County Rio Arriba  
Purchasing Pipeline El Paso Natural Gas Company Date Test Filed \_\_\_\_\_  
Operator El Paso Natural Gas Lease San Juan 26-7 Well No. 48  
Unit L Sec. SW21 Twp. 28N Rge. 7W Pay Zone: From 4282 To 4994  
Casing: OD 5 1/2 WT. 15.5 Set At 5065 Tubing: OD 2 WT. 4.7 T. Perf. 4848  
Produced Through: Casing \_\_\_\_\_ Tubing X Gas Gravity: Measured .700 Estimated \_\_\_\_\_  
Date of Flow Test: From 6/22 To 6/30 \* Date S.I.P. Measured 4/19/56  
Meter Run Size 4 Orifice Size \_\_\_\_\_ 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 (7.20) <sup>2</sup> x sp. const. 10 \_\_\_\_\_ = 518 psia (g)  
Corrected seven day avge. meter press. (p<sub>f</sub>) (g) + (e) \_\_\_\_\_ = 518 psia (h)  
P<sub>t</sub> = (h) + (f) \_\_\_\_\_ = 518 psia (i)  
Wellhead casing shut-in pressure (Dwt) \_\_\_\_\_ 1027 psig + 12 = 1039 psia (j)  
Wellhead tubing shut-in pressure (Dwt) \_\_\_\_\_ 1020 psig + 12 = 1032 psia (k)  
P<sub>c</sub> = (j) or (k) whichever well flowed through \_\_\_\_\_ = 1032 psia (l)  
Flowing Temp. (Meter Run) 78 °F + 460 \_\_\_\_\_ = 538 °Abs (m)  
P<sub>d</sub> = 1/2 P<sub>c</sub> = 1/2 (l) \_\_\_\_\_ = 516 psia (n)

FLOW RATE CALCULATION

Q = \_\_\_\_\_ X  $\left( \frac{\sqrt{(c)}}{\sqrt{(d)}} \right)^* = \underline{369} \text{ MCF/day}$   
(integrated)

DELIVERABILITY CALCULATION

D :: Q 369  $\left[ \frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n = \underline{371} \text{ MCF/day}$   
 $\frac{798,768}{794,065} \cdot \frac{1.00592}{1.0044}$

SUMMARY

P<sub>c</sub> = 1032 psia  
Q = 369 Mcf/day  
P<sub>w</sub> = 521 psia  
P<sub>d</sub> = 516 psia  
D = 371 Mcf/day

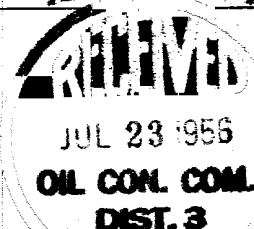
Company El Paso Natural Gas Company  
By Original Signed  
Title Lewis D. Galloway  
Witnessed by \_\_\_\_\_  
Company \_\_\_\_\_

\* 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>3394</u>	<u>.219</u>	<u>12.034</u>	<u>2,635</u>	<u>268,324</u>	<u>270,959</u>	<u>521</u>

D = 500 ± 371



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 EXCEPT BAKING SODA STORAGE AREA

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