

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 San Juan  
Purchasing Pipeline El Paso Natural Gas Company Date Test Filed \_\_\_\_\_  
Operator El Paso Natural Gas Co. Lease San Juan 32-9 Well No. 24  
Unit A Sec. 5 Twp. 31 Rge. 9 Pay Zone: From 5462 To 5896  
Casing: OD 5.5 WT. 15.5 Set At 5941 Tubing: OD 2 WT. 4.7 T. Perf. 5813  
Produced Through: Casing \_\_\_\_\_ Tubing I Gas Gravity: Measured .615 Estimated \_\_\_\_\_  
Date of Flow Test: From 4/23 To 5/1 \* Date S.I.P. Measured 2/22/56  
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: \_\_\_\_\_ = \_\_\_\_\_ psi (f)  
(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 (7.30) <sup>2</sup> x sp. const. 10 \_\_\_\_\_ = 533 psia (g)  
Corrected seven day avge. meter press. (p<sub>f</sub>) (g) + (e) \_\_\_\_\_ = 533 psia (h)  
P<sub>t</sub> = (h) + (f) \_\_\_\_\_ = 533 psia (i)  
Wellhead casing shut-in pressure (Dwt) 844 psig + 12 = 856 psia (j)  
Wellhead tubing shut-in pressure (Dwt) 849 psig + 12 = 861 psia (k)  
P<sub>c</sub> = (j) or (k) whichever well flowed through \_\_\_\_\_ = 861 psia (l)  
Flowing Temp. (Meter Run) 79 °F + 460 \_\_\_\_\_ = 539 °Abs (m)  
P<sub>d</sub> = ½ P<sub>c</sub> = ½ (l) \_\_\_\_\_ = 431 psia (n)

Q = \_\_\_\_\_ X  $\left( \frac{\text{FLOW RATE CALCULATION}}{\frac{V(c)}{V(d)}} \right)^* = \underline{621} \text{ MCF/day}$   
(integrated)

DELIVERABILITY CALCULATION  
D = Q 621  $\left[ \frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n = \underline{728} \text{ MCF/day}$   
 $\left[ \frac{555,560}{449,424} \right]^n = \frac{1.2361}{1.1725}$

SUMMARY  
P<sub>c</sub> = 861 psia  
Q = 621 Mcf/day  
P<sub>w</sub> = 540 psia  
P<sub>d</sub> = 431 psia  
D = 728 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>-is</sup> )	(F <sub>c</sub> Q) <sup>2</sup>	(F <sub>c</sub> Q) <sup>2</sup> (1-e <sup>-s</sup> )	P <sub>t</sub> <sup>2</sup>	P <sub>t</sub> <sup>2</sup> + R <sup>2</sup>	P <sub>w</sub>
			R <sup>2</sup>	(Column i)		
3575	.229	34.094	7,808	284,089	291,897	540

D @ 500 = 643



