

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 South Blanco PC Formation Pictured Cliffs County Rio Arriba  
Purchasing Pipeline El Paso Natural Gas Date Test Filed \_\_\_\_\_

Operator El Paso Natural Gas Lease Klein Well No. 5  
Unit M Sec. 34 Twp. 26 Rge. 6 Pay Zone: From 2940 To 2994  
Casing: OD 5-1/2 WT. 15.5 Set At 3032 Tubing: OD 1-1/4 WT. 2.3 T. Perf. 2943  
Produced Through: Casing X Tubing \_\_\_\_\_ Gas Gravity: Measured .669 Estimated \_\_\_\_\_  
Date of Flow Test: From 12-31-57 To 1-9-58 \* Date S.I.P. Measured 6-18-57  
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 (9.00) <sup>2</sup> x sp. const. 500 \_\_\_\_\_ = 405 psia (g)  
Corrected seven day avge. meter press. (p<sub>f</sub>) (g) + (e) \_\_\_\_\_ = 405 psia (h)  
P<sub>t</sub> = (h) + (f) \_\_\_\_\_ = 405 psia (i)  
Wellhead casing shut-in pressure (Dwt) 849 psig + 12 = 861 psia (j)  
Wellhead tubing shut-in pressure (Dwt) 850 psig + 12 = 862 psia (k)  
P<sub>c</sub> = (j) or (k) whichever well flowed through \_\_\_\_\_ = 861 psia (l)  
Flowing Temp. (Meter Run) 55 °F + 460 \_\_\_\_\_ = 515 °Abs (m)  
P<sub>d</sub> = ½ P<sub>c</sub> = ½ (l) \_\_\_\_\_ = 431 psia (n)

Q = \_\_\_\_\_ X  $\left( \frac{\text{FLOW RATE CALCULATION}}{\sqrt{(c)}} = \frac{\sqrt{(d)}}{\sqrt{(d)}} \right)^* = \underline{140}$  MCF/da  
(integrated)

DELIVERABILITY CALCULATION

D = Q 140  $\left[ \frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n = \frac{555,560}{577,296} \cdot \frac{.9623}{.9679} = \underline{136}$  MCF/da.

SUMMARY

P<sub>c</sub> = 861 psia  
Q = 140 Mcf/day  
P<sub>w</sub> = 405 psia  
P<sub>d</sub> = 431 psia  
D = 136 Mcf/day

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

D at 250 = 159



HOWARD COUNTY, MARYLAND  
SHEET 1 OF 1

FOR THE YEAR 1900  
AS PER THE REPORT OF THE COMMISSIONER OF THE LAND OFFICE

South Branch of Potomac River

100-100000-100000

100-100000-100000

100-100000-100000

100-100000-100000

100-100000-100000

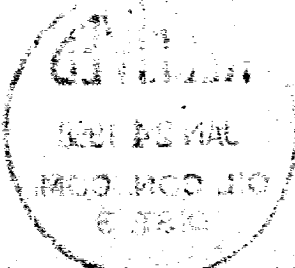
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