

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)

72-250

Pool Undesignated Formation Pictured Cliffs County Rio Arriba  
Purchasing Pipeline El Paso Natural Gas Date Test Filed \_\_\_\_\_

Operator El Paso Natural Gas Lease Canyon Largo Well No. 9  
Unit A Sec. 4 Twp. 24 Rge. 7 Pay Zone: From 2494 To 2546  
Casing: OD 5-1/2 WT. 15.5 Set At 2630 Tubing: OD 2 WT. 4.7 T. Perf. 2468  
Produced Through: Casing \_\_\_\_\_ Tubing X Gas Gravity: Measured .689 Estimated \_\_\_\_\_  
Date of Flow Test: From 11/29/58 To 12/7/58 \* Date S.I.P. Measured 8/14/58 (17)  
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 ( 7.10 )<sup>2</sup> x sp. const. 5 \_\_\_\_\_ = 252 psia (g)  
Corrected seven day avge. meter press. (p<sub>f</sub>) (g) + (e) \_\_\_\_\_ = 252 psia (h)  
P<sub>t</sub> = (h) + (f) \_\_\_\_\_ = 252 psia (i)  
Wellhead casing shut-in pressure (Dwt) 620 psig + 12 = 632 psia (j)  
Wellhead tubing shut-in pressure (Dwt) 620 psig + 12 = 632 psia (k)  
P<sub>c</sub> = (j) or (k) whichever well flowed through \_\_\_\_\_ = 632 psia (l)  
Flowing Temp. (Meter Run) 66 °F + 460 \_\_\_\_\_ = 526 °Abs (m)  
P<sub>d</sub> = ½ P<sub>c</sub> = ½ (l) \_\_\_\_\_ = 316 psia (n)

Q = \_\_\_\_\_ X  $\left( \frac{\text{FLOW RATE CALCULATION}}{\sqrt{(c)} = \frac{\sqrt{(d)}}{\sqrt{(d)}}} \right)^* = \underline{1469} \text{ MCF/da}$   
(integrated)

DELIVERABILITY CALCULATION

D = Q 1469  $\left[ \frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n = \frac{.9546}{.9613} = \underline{1412} \text{ MCF/da.}$

SUMMARY

P<sub>c</sub> = 632 psia  
Q = 1469 Mcf/day  
P<sub>w</sub> = 293 psia  
P<sub>d</sub> = 316 psia  
D = 1412 Mcf/day  
Company El Paso Natural Gas  
By Original Signed  
Title Harold L. Kendrick  
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>
1700	.116	190.771	22,129	63,504	85,633	293

D at 250 = 1450

*Ol*



