

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

Operator El Paso Natural Gas Lease Rincon Unit Well No. 96  
Unit A Sec. 12 Twp. 26 Rge. 7 Pay Zone: From 2905 To 2939  
Casing: OD 5-1/2 WT. 15.5 Set At 2984 Tubing: OD 1-1/4 WT. 2.3 T. Perf. 2903  
Produced Through: Casing \_\_\_\_\_ Tubing X Gas Gravity: Measured .676 Estimated \_\_\_\_\_  
Date of Flow Test: From 12-31-57 To 1-9-58 \* Date S.I.P. Measured 3-8-57 (9 days)  
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: \_\_\_\_\_ = \_\_\_\_\_ psi (f)  
(b) - (c) Flow through tubing: (a) - (c) Flow through casing  
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. 5 = 266 psia (g)  
Corrected seven day ave. meter press. (p<sub>f</sub>) (g) + (e) = 266 psia (h)  
P<sub>t</sub> = (h) + (f) = 266 psia (i)  
Wellhead casing shut-in pressure (Dwt) 805 psig + 12 = 817 psia (j)  
Wellhead tubing shut-in pressure (Dwt) 805 psig + 12 = 817 psia (k)  
P<sub>c</sub> = (j) or (k) whichever well flowed through = 817 psia (l)  
Flowing Temp. (Meter Run) 46 °F + 460 = 506 °Abs (m)  
P<sub>d</sub> = ½ P<sub>c</sub> = ½ (l) = 409 psia (n)

Q = \_\_\_\_\_ X  $\left( \frac{\text{FLOW RATE CALCULATION}}{\frac{\sqrt{(c)}}{\sqrt{(d)}}} \right)^* = \underline{243} \text{ MCF/day}$   
(integrated)

DELIVERABILITY CALCULATION

D = Q 243  $\left[ \frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} \right]^n = \frac{.8449}{.8666} = \underline{211} \text{ MCF/day}$

SUMMARY

P<sub>c</sub> = 817 psia  
Q = 243 Mcf/day  
P<sub>w</sub> = 275 psia  
P<sub>d</sub> = 409 psia  
D = 211 Mcf/day

Company El Paso Natural Gas  
By [Signature]  
Title \_\_\_\_\_  
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>
1962	.133	35.796	4,761	70,756	75,517	275

D at 250 = 244

