

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 Pictured Cliffs 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. 74

Unit D Sec. 33 Twp. 27 Rge. 7 Pay Zone: From 3029 To 3052

Casing: OD 5-1/2 WT. 15.50 Set At 3100 Tubing: OD 1-1/4 WT. 2.3 T. Perf. 3017

Produced Through: Casing \_\_\_\_\_ Tubing X Gas Gravity: Measured .680 Estimated \_\_\_\_\_

Date of Flow Test: From 12-16-57 To 12-23-57 \* Date S.I.P. Measured 1-24-57

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 ( 6.95 )<sup>2</sup> x sp. const. 5 = 242 psia (g)

Corrected seven day avge. meter press. (p<sub>f</sub>) (g) + (e) = 242 psia (h)

P<sub>t</sub> = (h) + (f) = 242 psia (i)

Wellhead casing shut-in pressure (Dwt) 858 psig + 12 = 850 psia (j)

Wellhead tubing shut-in pressure (Dwt) 858 psig + 12 = 850 psia (k)

P<sub>c</sub> = (j) or (k) whichever well flowed through = 850 psia (l)

Flowing Temp. (Meter Run) 55 °F + 460 = 515 °Abs (m)

P<sub>d</sub> = 1/2 P<sub>c</sub> = 1/2 (l) = 425 psia (n)

FLOW RATE CALCULATION

$$Q = \text{(integrated)} \times \left( \frac{\sqrt{(c)}}{\sqrt{(d)}} \right) = \underline{1595} \text{ MCF/da}$$

DELIVERABILITY CALCULATION

$$D = Q \times \left[ \frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n = \underline{1869} \text{ MCF/da.}$$

SUMMARY

P<sub>c</sub> = 850 psia  
Q = 1595 Mcf/day  
P<sub>w</sub> = 522 psia  
P<sub>d</sub> = 425 psia  
D = 1869 Mcf/day

Company El Paso Natural Gas  
By Original Signed  
Title \_\_\_\_\_  
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 1)	P <sub>t</sub> <sup>2</sup> + R <sup>2</sup>	P <sub>w</sub>
2052	.139	1542,054	214,346	58,564	272,910	522

D at 250 = 1574

*OK*

