

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 Ballard Formation Pictured Cliffs County San Juan  
Purchasing Pipeline El Paso Natural Gas Date Test Filed \_\_\_\_\_  
Operator El Paso Natural Gas Lease Huerfano Unit Well No. No. 94  
Unit # P Sec. 22 Twp. 26N Rge. 9W Pay Zone: From 1996 To 2043  
Casing: OD 5-1/2 WT. 15.5 Set At 2102 Tubing: OD 1-1/4 WT. 2.4 T. Perf. 2010  
Produced Through: Casing X Tubing \_\_\_\_\_ Gas Gravity: Measured .668 Estimated \_\_\_\_\_  
Date of Flow Test: From 3/9/58 To 3/17/58 Date S.I.P. Measured 1-6-58  
Meter Run Size \_\_\_\_\_ Orifice Size .750 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 ( 6.55 ) <sup>2</sup> x sp. const. 5 \_\_\_\_\_ = 215 psia (g)  
Corrected seven day avge. meter press. (p<sub>f</sub>) (g) + (e) \_\_\_\_\_ = 215 psia (h)  
P<sub>t</sub> = (h) + (f) \_\_\_\_\_ = 215 psia (i)  
Wellhead casing shut-in pressure (Dwt) 584 psig + 12 = 596 psia (j)  
Wellhead tubing shut-in pressure (Dwt) 584 psig + 12 = 596 psia (k)  
P<sub>c</sub> = (j) or (k) whichever well flowed through \_\_\_\_\_ = 596 psia (l)  
Flowing Temp. (Meter Run) 45 °F + 460 \_\_\_\_\_ = 505 °Abs (m)  
P<sub>d</sub> = 1/2 P<sub>c</sub> = 1/2 (l) \_\_\_\_\_ = 298 psia (n)

FLOW RATE CALCULATION

$$Q = \text{_____} \times \left( \frac{\sqrt{(a)}}{\sqrt{(d)}} \right)^* = \text{200} \text{ MCF/da}$$

(Integrated)

DELIVERABILITY CALCULATION

$$D = Q \text{ 200 } \left[ \frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n = \frac{.8621}{.8818} = \text{176 MCF/da.}$$

SUMMARY

P<sub>c</sub> = 596 psia  
Q = 200 Mcf/day  
P<sub>w</sub> = 215 psia  
P<sub>d</sub> = 298 psia  
D = 176 Mcf/day

Company El Paso Natural Gas

By Original Signed

Title Lewis D. Callaway

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> )<br>R <sup>2</sup> | P <sub>t</sub> <sup>2</sup><br>(Column i) | P <sub>t</sub> <sup>2</sup> + R <sup>2</sup> | P <sub>w</sub> |
|----|----------------------|---------------------------------|--|---|--|----------------|
|    |                      |                                 | Friction Negligible  |   |  |                |

D at 250 = 188



|                             |   |   |
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