

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)

74-703-01

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

Operator El Paso Natural Gas Lease Jicarilla Well No. 2-G  
Unit 0 Sec. 23 Twp. 26 Rge. 5 Pay Zone: From 3056 To 3103  
Casing: OD 5-1/2 WT. 15.5 Set At 3146 Tubing: OD 1-1/4 WT. 2.4 T. Perf. 3074  
Produced Through: Casing \_\_\_\_\_ Tubing X Gas Gravity: Measured .678 Estimated \_\_\_\_\_  
Date of Flow Test: From 11/29/58 To 12/7/58 \* Date S.I.P. Measured 7/31/58  
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) \_\_\_\_\_ 1050 psig + 12 = 1062 psia (j)  
Wellhead tubing shut-in pressure (Dwt) \_\_\_\_\_ 1050 psig + 12 = 1062 psia (k)  
P<sub>c</sub> = (j) or (k) whichever well flowed through \_\_\_\_\_ = 1062 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) \_\_\_\_\_ = 531 psia (n)

Q = \_\_\_\_\_ X  $\left( \frac{\text{FLOW RATE CALCULATION}}{\frac{\sqrt{(c)}}{\sqrt{(d)}}} \right)^* = \underline{481} \text{ MCF/da}$   
(integrated)

DELIVERABILITY CALCULATION

D = Q 481  $\left[ \frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} \right]^n = \underline{400} \text{ MCF/da.}$   
 $\frac{845,883}{1049507}$   $\frac{.8059}{.8323}$

SUMMARY

P<sub>c</sub> = 1062 psia Company El Paso Natural Gas  
Q = 481 Mcf/day By Original Signed  
P<sub>w</sub> = 280 psia Title Harold L. Kendrick  
P<sub>d</sub> = 531 psia Witnessed by \_\_\_\_\_  
D = 400 Mcf/day 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> |
|------|----------------------|---------------------------------|------------------------------------------------------------------------|-------------------------------------------|----------------------------------------------|----------------|
| 2084 | .141                 | 140.233                         | 19,773                                                                 | 58,564                                    | 78,337                                       | 280            |

D at 250 = 477



*OK*