

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 West Kuth Formation Pictured Cliff County San Juan  
Purchasing Pipeline El Paso Natural Gas Company Date Test Filed \_\_\_\_\_  
Operator El Paso Natural Gas Co. Lease Huerfano Well No. 64  
Unit 0 Sec. 5 Twp. 26N Rge. 10W Pay Zone: From 2215 To 2240  
Casing: OD 5 1/2 WT. 15.5 Set At 2312 Tubing: OD 1 1/2 WT. 2.3 T. Perf. 2222  
Produced Through: Casing X Tubing \_\_\_\_\_ Gas Gravity: Measured .655 Estimated \_\_\_\_\_  
Date of Flow Test: From 2/28 To 3/9/57 \* Date S.I.P. Measured 12/18/56  
Meter Run Size \_\_\_\_\_ Orifice Size .250 Type Chart Sq. Rt. Type Taps Flange

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 (6.50) <sup>2</sup> x sp. const. 5 = 211 psia (g)  
Corrected seven day avge. meter press. (p<sub>f</sub>) (g) + (e) = 211 psia (h)  
P<sub>t</sub> = (h) + (f) = 211 psia (i)  
Wellhead casing shut-in pressure (Dwt) 391 psig + 12 = 403 psia (j)  
Wellhead tubing shut-in pressure (Dwt) 391 psig + 12 = 403 psia (k)  
P<sub>c</sub> = (j) or (k) whichever well flowed through = 403 psia (l)  
Flowing Temp. (Meter Run) 35 °F + 460 = 495 °Abs (m)  
P<sub>d</sub> = 1/2 P<sub>c</sub> = 1/2 (l) = 202 psia (n)

Q = \_\_\_\_\_ X  $\left( \frac{\text{FLOW RATE CALCULATION}}{\frac{\sqrt{(c)}}{\sqrt{(d)}}} \right)^* = \underline{7} \text{ MCF/da}$   
(integrated)

DELIVERABILITY CALCULATION

D = Q 7  $\left[ \frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n \frac{1.0315}{1.0267} = \underline{7} \text{ MCF/da.}$   
121,605  
117,888

SUMMARY

P<sub>c</sub> = 403 psia  
Q = 7 Mcf/day  
P<sub>w</sub> = 211 psia  
P<sub>d</sub> = 202 psia  
D = 7 Mcf/day

Company El Paso Natural Gas Company  
By Original Signed  
Title Lewis D. Galloway  
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> |
|----|----------------------|---------------------------------|--|---|--|----------------|
|    |                      |                                 | <b>FRICTION NEGLIGIBLE</b>   |   |  |                |

D @ 250 = 6

*OK*



EXCEPT DANGER ZONE STORAGE AREA)

believed and unproved and untested on 7-11

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# ANALOGUE

|     |      |     |  |
|-----|------|-----|--|
| (m) | also | 203 |  |
| (l) | also | 203 |  |
| (k) | also | 203 |  |
| (j) | also | 203 |  |
| (i) | also | 203 |  |
| (h) | also | 203 |  |
| (g) | also | 203 |  |
| (f) | also | 203 |  |
| (e) | also | 203 |  |
| (d) | also | 203 |  |
| (c) | also | 203 |  |
| (b) | also | 203 |  |
| (a) | also | 203 |  |

MOBILE 11-11-11

ACADEMIC YEAR 1947-1948

DATE TIME 7 1800 1800 1800

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THE FOLLOWING NOTICES TO APPEAR:

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