

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 Kutz Formation Pictured Cliff County San Juan  
Purchasing Pipeline El Paso Natural Gas Company Date Test Filed \_\_\_\_\_

Operator El Paso Natural Gas Lease Huerfano Well No. 63  
Unit F Sec. 4 Twp. 26N Rge. 10W Pay Zone: From 2304 To 2335  
Casing: OD 5 1/2 WT. 15.5 Set At 2375 Tubing: OD 1 1/2 WT. 2.3 T. Perf. 2286  
Produced Through: Casing X Tubing \_\_\_\_\_ Gas Gravity: Measured .610 Estimated \_\_\_\_\_  
Date of Flow Test: From 2/28 To 3/9/57 \* Date S.I.P. Measured 11/21/56  
Meter Run Size \_\_\_\_\_ Orifice Size 1.75 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:  
(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) 389 psig + 12 = 401 psia (j)  
Wellhead tubing shut-in pressure (Dwt) 389 psig + 12 = 401 psia (k)  
P<sub>c</sub> = (j) or (k) whichever well flowed through = 401 psia (l)  
Flowing Temp. (Meter Run) 62 °F + 460 = 522 °Abs (m)  
P<sub>d</sub> = 1/2 P<sub>c</sub> = 1/2 (l) = 201 psia (n)

FLOW RATE CALCULATION

Q = \_\_\_\_\_ X  $\left( \frac{\sqrt{(c)}}{\sqrt{(d)}} \right)^n = \underline{1364} \text{ MCF/da}$   
(integrated)

DELIVERABILITY CALCULATION

D = Q 1364  $\left[ \frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} \right]^n \frac{1.0508}{1.0430} = \underline{1423} \text{ MCF/da.}$

SUMMARY

P<sub>c</sub> = 401 psia  
Q = 1364 Mcf/day  
P<sub>w</sub> = 215 psia  
P<sub>d</sub> = 201 psia  
D = 1423 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> ) 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>
			FRICTION NEGLIGIBLE			

D @ 250 = 1135

OK



Form No. 1  
Revised April 10, 1932

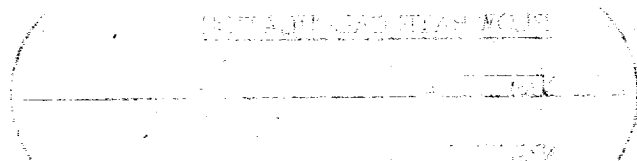
NEW MEXICO OIL CONSERVATION COMMISSION  
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TO BE FILLED FOR FRUITLAND, PICTURED CLIFF, MESSERSER & ALL DAKOTA  
EXCEPT BARRER COME STORAGE AREA

Well No. \_\_\_\_\_  
County \_\_\_\_\_  
Pictured Cliff \_\_\_\_\_  
Date tested \_\_\_\_\_

Well No. \_\_\_\_\_  
County \_\_\_\_\_  
Pictured Cliff \_\_\_\_\_  
Date tested \_\_\_\_\_  
Well No. \_\_\_\_\_  
County \_\_\_\_\_  
Pictured Cliff \_\_\_\_\_  
Date tested \_\_\_\_\_  
Well No. \_\_\_\_\_  
County \_\_\_\_\_  
Pictured Cliff \_\_\_\_\_  
Date tested \_\_\_\_\_

(a) \_\_\_\_\_  
(b) \_\_\_\_\_  
(c) \_\_\_\_\_  
(d) \_\_\_\_\_  
(e) \_\_\_\_\_  
(f) \_\_\_\_\_  
(g) \_\_\_\_\_  
(h) \_\_\_\_\_  
(i) \_\_\_\_\_  
(j) \_\_\_\_\_  
(k) \_\_\_\_\_  
(l) \_\_\_\_\_  
(m) \_\_\_\_\_  
(n) \_\_\_\_\_  
(o) \_\_\_\_\_



PICTURED CLIFF

Well No. \_\_\_\_\_  
County \_\_\_\_\_  
Pictured Cliff \_\_\_\_\_  
Date tested \_\_\_\_\_

Well No. \_\_\_\_\_  
County \_\_\_\_\_  
Pictured Cliff \_\_\_\_\_  
Date tested \_\_\_\_\_

Well No. \_\_\_\_\_  
County \_\_\_\_\_  
Pictured Cliff \_\_\_\_\_  
Date tested \_\_\_\_\_

Well No.	County	Pictured Cliff	Date tested
_____	_____	_____	_____



D-20-118