

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 Elanco PG 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. 75  
Unit F Sec. 34 Twp. 27 Rge. 7 Pay Zone: From 3058 To 3098  
Casing: OD 5-1/2 WT. 15.5 Set At 3148 Tubing: OD 1-1/4 WT. 2.3 T. Perf. 3050  
Produced Through: Casing \_\_\_\_\_ Tubing X Gas Gravity: Measured .636 Estimated \_\_\_\_\_  
Date of Flow Test: From 12-31-57 To 1-9-58 \* Date S.I.P. Measured 12-27-56  
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 (7.50) <sup>2</sup> x sp. const. 5 \_\_\_\_\_ = 281 psia (g)  
Corrected seven day avge. meter press. (pf) (g) + (e) \_\_\_\_\_ = 281 psia (h)  
P<sub>t</sub> = (h) + (f) \_\_\_\_\_ = 281 psia (i)  
Wellhead casing shut-in pressure (Dwt) 818 psig + 12 = 830 psia (j)  
Wellhead tubing shut-in pressure (Dwt) 818 psig + 12 = 830 psia (k)  
P<sub>c</sub> = (j) or (k) whichever well flowed through \_\_\_\_\_ = 830 psia (l)  
Flowing Temp. (Meter Run) 49 °F + 460 \_\_\_\_\_ = 509 °Abs (m)  
P<sub>d</sub> = 1/2 P<sub>c</sub> = 1/2 (l) \_\_\_\_\_ = 415 psia (n)

FLOW RATE CALCULATION

Q = \_\_\_\_\_ X  $\left( \frac{\sqrt{(c)}}{\sqrt{(d)}} \right)^2 = \underline{143}$  MCF/day

DELIVERABILITY CALCULATION

D = Q 143  $\left[ \frac{(P_c^2 - P_d^2) = 516,675}{(P_c^2 - P_w^2) = 608,303} \right]^n \frac{.8493}{.8705} = \underline{124}$  MCF/day

SUMMARY

P<sub>c</sub> = 830 psia  
Q = 143 Mcf/day  
P<sub>w</sub> = 284 psia  
P<sub>d</sub> = 415 psia  
D = 124 Mcf/day

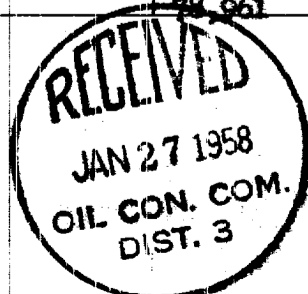
Company El Paso Natural Gas  
By J. B. Rendwick  
Title \_\_\_\_\_  
Witnessed by \_\_\_\_\_  
Company \_\_\_\_\_

\* 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> R <sup>2</sup>	(1-e <sup>-S</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>
1940	.132	12,397	1,636		28,061	80,517	284

D at 250 = 145



*Handwritten initials*