

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 Blanco Formation Pictured Cliff County Rio Arriba

Purchasing Pipeline El Paso Natural Gas Date Test Filed \_\_\_\_\_

Operator El Paso Natural Gas Lease San Juan 23-7 Unit Well No. 65

Unit H Sec. 28 Twp. 27 Rge. 7 Pay Zone: From 2890 To 2950

Casing: OD 5-1/2 WT. 15.5 Set At 2996 Tubing: OD 1-1/4 WT. 2.3 T. Perf. 2912

Produced Through: Casing X Tubing \_\_\_\_\_ Gas Gravity: Measured .705 Estimated \_\_\_\_\_

Date of Flow Test: From 9/22 To 9/30/57 Date S.I.P. Measured 1/17/57

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 ( 7.55 )<sup>2</sup> x sp. const. .5 = 285 psia (g)  
     Corrected seven day avge. meter press. (p<sub>f</sub>) (g) + (e) \_\_\_\_\_ = 285 psia (h)  
 P<sub>t</sub> = (h) + (f) \_\_\_\_\_ = 285 psia (i)  
 Wellhead casing shut-in pressure (Dwt) 817 psig + 12 = 829 psia (j)  
 Wellhead tubing shut-in pressure (Dwt) 817 psig + 12 = 829 psia (k)  
 P<sub>c</sub> = (j) or (k) whichever well flowed through \_\_\_\_\_ = 829 psia (l)  
 Flowing Temp. (Meter Run) 61 °F + 460 \_\_\_\_\_ = 521 °Abs (m)  
 P<sub>d</sub> = ½ P<sub>c</sub> = ½ (l) \_\_\_\_\_ = 415 psia (n)

FLOW RATE CALCULATION

Q = \_\_\_\_\_ X  $\left( \frac{\sqrt{(c)}}{\sqrt{(d)}} \right)^2 = \underline{358}$  MCF/day

DELIVERABILITY CALCULATION

D = Q 358  $\left[ \frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n = \underline{312}$  MCF/day

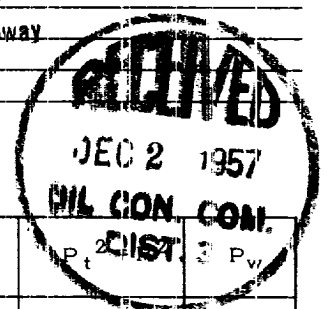
SUMMARY

P<sub>c</sub> = 829 psia  
 Q = 358 Mcf/day  
 P<sub>w</sub> = 285 psia  
 P<sub>d</sub> = 415 psia  
 D = 312 Mcf/day  
 Company El Paso Natural Gas  
 By Original Signed  
 Title Levris 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> 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> DIST. 3 P <sub>w</sub>
			<b>FRICTION NEGLIGIBLE</b>			



D at 250 = 364