

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 Blanco Formation Mesa Verde County Rio Arriba  
Purchasing Pipeline El Paso Natural Gas Company Date Test Filed \_\_\_\_\_

Operator El Paso Natural Gas Lease San Juan 28-6 Well No. 26  
Unit N Sec. 1 Twp. 27N Rge. 6W Pay Zone: From 4926 To 5602  
Casing: OD 7 WT. 20 & 23 Set At 4857 Tubing: OD 2 WT. 4.7 T. Perf. 5475  
Produced Through: Casing X Tubing \_\_\_\_\_ Gas Gravity: Measured .725 Estimated \_\_\_\_\_  
Date of Flow Test: From 2/8 To 2/17/57 \* Date S.I.P. Measured July 19, 1955  
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 (7.6)<sup>2</sup> x sp. const. 10 \_\_\_\_\_ = 578 psia (g)  
Corrected seven day avge. meter press. (p<sub>f</sub>) (g) + (e) \_\_\_\_\_ = 578 psia (h)  
P<sub>t</sub> = (h) + (f) \_\_\_\_\_ = 578 psia (i)  
Wellhead casing shut-in pressure (Dwt) \_\_\_\_\_ 1072 psig + 12 = 1084 psia (j)  
Wellhead tubing shut-in pressure (Dwt) \_\_\_\_\_ 1063 psig + 12 = 1075 psia (k)  
P<sub>c</sub> = (j) or (k) whichever well flowed through \_\_\_\_\_ = 1084 psia (l)  
Flowing Temp. (Meter Run) \_\_\_\_\_ 58 °F + 460 \_\_\_\_\_ = 518 °Abs (m)  
P<sub>d</sub> = 1/2 P<sub>c</sub> = 1/2 (l) \_\_\_\_\_ = 542 psia (n)

FLOW RATE CALCULATION

$$Q = \text{(integrated)} \times \left( \frac{\sqrt{(c)}}{\sqrt{(d)}} \right)^* = \underline{107} \text{ MCF/da}$$

DELIVERABILITY CALCULATION

$$D = Q \underline{107} \left[ \frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} \right]^n = \underline{111} \text{ MCF/da.}$$

$\frac{881,292}{840,972}$        $\frac{1.0480}{1.0358}$

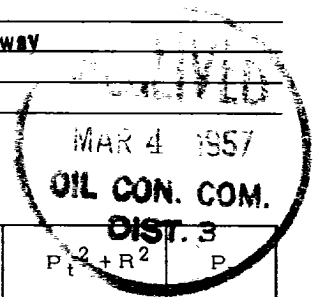
SUMMARY

P<sub>c</sub> = 1084 psia  
Q = 107 Mcf/day  
P<sub>w</sub> = 578 psia  
P<sub>d</sub> = 542 psia  
D = 111 Mcf/day  
Company El Paso Natural Gas  
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
			<b>FRICTION NEGLIGIBLE</b>		



D @ 500 = 114

*CK*