

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 Hiasco Formation Pictured Cliffs County San Juan  
Purchasing Pipeline El Paso Natural Gas Company Date Test Filed \_\_\_\_\_  
Operator El Paso Natural Gas Lease Turner Navajo Well No. 1-25  
Unit N Sec. 15 Twp. 27N Rge. 9W Pay Zone: From 2049 To 2099  
Casing: OD 5 1/4 WT. 14 & 15.5 Set At 2049 Tubing: OD 1 WT. 1.68 T. Perf. 2057  
Produced Through: Casing X Tubing \_\_\_\_\_ Gas Gravity: Measured .655 Estimated \_\_\_\_\_  
Date of Flow Test: From 2/8 To 2/17/57 \* Date S.I.P. Measured July 27, 1956  
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 6.95 \_\_\_\_\_ psig + 12 = \_\_\_\_\_ psia (g)  
Square root chart average reading (\_\_\_\_\_) <sup>2</sup> x sp. const. 5 \_\_\_\_\_ = 242 psia (g)  
Corrected seven day avge. meter press. (p<sub>f</sub>) (g) + (e) \_\_\_\_\_ = 242 psia (h)  
P<sub>t</sub> = (h) + (f) \_\_\_\_\_ = 701 psia (i)  
Wellhead casing shut-in pressure (Dwt) 689 \_\_\_\_\_ psig + 12 = 701 psia (j)  
Wellhead tubing shut-in pressure (Dwt) 689 \_\_\_\_\_ psig + 12 = 701 psia (k)  
P<sub>c</sub> = (j) or (k) whichever well flowed through 54 \_\_\_\_\_ = 701 psia (l)  
Flowing Temp. (Meter Run) \_\_\_\_\_ °F + 460 \_\_\_\_\_ = 514 °Abs (m)  
P<sub>d</sub> = 1/2 P<sub>c</sub> = 1/2 (l) \_\_\_\_\_ = 351 psia (n)

Q = \_\_\_\_\_ X  $\left( \frac{\text{FLOW RATE CALCULATION}}{\frac{\sqrt{(c)}}{\sqrt{(d)}}} \right)^* = \underline{558}$  MCF/da  
(integrated)

DELIVERABILITY CALCULATION

D = Q 558  $\left[ \frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n = \underline{486}$  MCF/da.  
 $\frac{.8506}{.8716}$

SUMMARY

P<sub>c</sub> = 701 psia  
Q = 558 Mcf/day  
P<sub>w</sub> = 242 psia  
P<sub>d</sub> = 351 psia  
D = 486 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>
			<b>FRICTION NEGLECTED</b>			

D @ 250 = 547

OK



