

EL PASO NATURAL GAS COMPANY  
OPEN FLOW TEST DATA

DATE April 11, 1957

Operator <b>El Paso Natural Gas Company</b>		Lease <b>San Juan 28-7 Unit # 68</b>	
Location <b>990<sup>th</sup>N, 1650<sup>th</sup>E, Sec. 31-28-7</b>		County <b>San Juan</b>	State <b>New Mexico</b>
Formation <b>Mesa Verde</b>		Pool <b>Blanco</b>	
Casing Diameter <b>5½</b>	Set At: Feet <b>4868</b>	Tubing Diameter <b>2</b>	Set At: Feet <b>4781</b>
Pay Zone From <b>4659</b>	To <b>4821</b>	Total Depth <b>4872 - c/o - 4835</b>	
Stimulation Method <b>Sand Water Frac</b>		Flow Through Casing	Flow Through Tubing <b>X</b>

Choke Size, Inches <b>0.75</b>	Choke Constant: C <b>12.3650</b>	Shut-in Pressure, Casing, PSIG <b>912</b>	PSIA <b>924</b>	Days Shut-in <b>9</b>	Shut-in Pressure, Tubing, PSIG <b>910</b>	PSIA <b>922</b>
Flowing Pressure, P, PSIG <b>65</b>	PSIA <b>77</b>	Working Pressure, P <sub>w</sub> , PSIG <b>169</b>	PSIA <b>181</b>	Pay Zone From Tables	Gravity <b>1.009</b>	<b>.681</b>
Temperature, T <b>67</b>						

CHOKE VOLUME  $Q = C \times P_r \times F_r \times F_g \times F_{pv}$

$C \ 12.365 \times 77 \times .9933 \times .9393 \times 1.009 \quad 896 \quad \text{MCF D}$

OPEN FLOW  $Aof = Q \left( \frac{P_r^2}{P_c^2 - P_w^2} \right)^n$

$Aof = \left( \frac{853,776}{821,015} \right)^{.75} (1.0399)^{.75} \times 896 = 1.0298 \times 896$

Recompleted in Mesa Verde only - was a dual completion.

Aof **923** MCF D

TESTED BY **K. C. McBride and R. A. Ullrich**

WITNESSED BY



*L. D. Galloway*  
L. D. Galloway

OIL CONSERVATION COMMISSION  
AZTEC DISTRICT OFFICE

No. Copies Received 3

DISTRIBUTION

	NO. COPIES	
Operator		
Santa Fe	1	
Proration Office		
State Land Office		
U. S. G. S.	1	
Transporter		
File	1	✓