

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE 5-26-77

Operator <u>El Paso Natural Gas Company</u>		Lease <u>San Juan 28-6 Unit No. 156</u>	
Location <u>110010, 10010, 200, 200, 200, 200</u>		County <u>El Arriba</u>	State <u>New Mexico</u>
Formation <u>Sabote</u>		Pool <u>Sabote</u>	
Casing: Diameter <u>2.750</u>	Set At: Feet <u>7700</u>	Tubing: Diameter <u>2.375</u>	Set At: Feet <u>7700</u>
Pay Zone: From <u>0-0</u>	To <u>7700</u>	Total Depth: <u>7700</u>	Shut In <u>5-17-77</u>
Stimulation Method <u>Fr. Frac</u>		Flow Through Casing <u>2000</u>	Flow Through Tubing

Choke Size, Inches <u>.750</u>		Choke Constant: C <u>12.365</u>			
Shut-In Pressure, Casing, PSIG <u>2703</u>	+ 12 = PSIA <u>2705</u>	Days Shut-In <u>0</u>	Shut-In Pressure, Tubing PSIG <u>2617</u>	+ 12 = PSIA <u>2630</u>	
Flowing Pressure: P PSIG <u>293</u>	+ 12 = PSIA <u>295</u>		Working Pressure: Pw PSIG <u>297</u>	+ 12 = PSIA <u>310</u>	
Temperatures: T = <u>81</u> °F	Ft = <u>.9804</u>	n = <u>.75</u>	Fpv (From Tables) <u>1.022</u>	Gravity <u>.625</u>	Fg = <u>.9798</u>

CHOKE VOLUME = Q = C x P_i x F_i x F_g x F_{pv}

Q = 12.365 x 295 x .9804 x .9798 x 1.022 = 3581 MCF/D

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

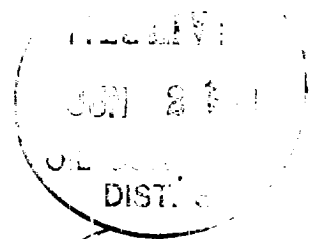
Note: Well produced light mist H₂O & distillate throughout test.

Aof = $\left(\frac{7317025}{7015624} \right)^n = (3581)(1.0429)^{.75} = (1.0321)(3581)$

Aof = 3696 MCF/D

TESTED BY Bobby J. Broughton

WITNESSED BY _____



H. E. Kenafick
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