

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE May 29, 1974

Operator <u>El Paso Natural Gas Company</u>		Lease <u>Lloyd A #2</u>	
Location <u>900/S, 1650/E, Sec. 9 T 29 N, R 11 W</u>		County <u>San Juan</u>	State <u>New Mexico</u>
Formation <u>Chacra</u>		Pool <u>Undesignated</u>	
Casing: Diameter <u>2.875</u>	Set At: Feet <u>3114'</u>	Tubing: Diameter <u>No tubing</u>	Set At: Feet _____
Pay Zone: From <u>3010'</u>	To <u>3022'</u>	Total Depth: <u>3114'</u> <u>PETD</u> <u>3103'</u>	Shut In <u>5-21-74</u>
Stimulation Method <u>Sandwater frac.</u>		Flow Through Casing <u>XX</u>	Flow Through Tubing _____

Choke Size, Inches <u>.750</u>	Choke Constant: C <u>12.365</u>		Tubingless Completion	
Shut-In Pressure, Casing, PSIG <u>1068</u>	+ 12 = PSIA <u>1080</u>	Days Shut-In <u>8</u>	Shut-In Pressure, Tubing PSIG <u>No tubing</u>	+ 12 = PSIA _____
Flowing Pressure: P PSIG <u>247</u>	+ 12 = PSIA <u>259</u>	Working Pressure: Pw PSIG <u>Calculated</u>	+ 12 = PSIA <u>327</u>	
Temperature: T = <u>72 °F</u> F _t = <u>.9887</u>	n = <u>.75</u>	Fpv (From Tables) <u>1.0230</u>	Gravity <u>.650</u> F _g = <u>.9608</u>	

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

Q = 12.365(259)(.9887)(.9608)(1.0230) = 3112 MCF/D

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

Aof = Q $\left(\frac{1166400}{1059471} \right)^n = 3112(1.1009)^{.75} = 3112(1.0748)$

Aof = 3345 MCF/D

Note: The well produced a dry flow.

TESTED BY Don Norton

WITNESSED BY _____



Loren W Fothergill

Loren Fothergill
Well Test Engineer