

B & R SERVICE COMPANY OPEN FLOW TEST DATA

DATE 9/29/61

Operator <u>SHAR ALAN OIL COMPANY</u>		Lease <u>WERNTZ # 2</u>	
Location <u>RIC ARriba</u>		State <u>NEW MEXICO</u>	
Formation <u>FLINTED CLIFF</u>		Pool	
Casing: Diameter <u>4 1/2</u>	Set At: Feet <u>3283</u>	Tubing: Diameter <u>1"</u>	Set At: Feet <u>3148</u>
Pay Zone: From <u>3146</u>	To <u>3158</u>	Total Depth: <u>3283</u>	Shut In
Stimulation Method		Flow Through Casing <u>X</u>	Flow Through Tubing

Choke Size, Inches <u>.750</u>		Choke Constant: C <u>12.365</u>	
Shut-In Pressure, Casing, PSIG <u>810</u>	+ 12 = PSIA <u>822</u>	Days Shut-In	Shut-In Pressure, Tubing PSIG <u>812</u>
Flowing Pressure: P PSIG <u>305</u>	+ 12 = PSIA <u>317</u>	Working Pressure: Pw <u>288</u>	+ 12 = PSIA <u>300</u>
Temperature: T = <u>63</u> °F	n = <u>.85</u>	Fpv (From Tables) <u>1.030</u>	Gravity <u>.9535</u>
Ft = <u>9971</u>			Fg =

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

Q = 3632 MCF/D

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

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

Aof = 4161 MCF/D



TESTED BY E. F. WILSON

WITNESSED BY Floyd J. Ray
Production Engineer

SHAR ALAN OIL COMPANY
P. O. Box 100
Albuquerque, New Mexico

By

Richard L. Ray
Manager of Tests & Experimentation