

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATADATE August 16, 1968

Operator <u>El Paso Natural Gas Company</u>		Lease <u>Fuerrano Unit No. 10-V</u>	
Location <u>790'N, 1650'W, Sec. 6, T-26-N, R-10-W</u>		County <u>San Juan</u>	State <u>New Mexico</u>
Formation <u>Pictured Cliffs</u>		Pool <u>West-Kutz</u>	
Casing: Diameter <u>2.875</u>	Set At: Feet <u>2237</u>	Tubing: Diameter <u>No Tubing</u>	Set At: Feet <u>----</u>
Pay Zone: From <u>2134</u>	To <u>2187</u>	Total Depth: <u>2237</u>	Shut In <u>8-6-68</u>
Stimulation Method <u>Sand Water Frac</u>		Flow Through Casing <u>X</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>240</u>	+ 12 = PSIA <u>252</u>	Days Shut-In <u>10</u>	Shut-In Pressure, Tubing PSIG <u>No Tubing</u>	+ 12 = PSIA <u>----</u>	
Flowing Pressure: P PSIG <u>103</u>	+ 12 = PSIA <u>120</u>		Working Pressure: P _w PSIG <u>Calc.</u>	+ 12 = PSIA <u>132</u>	
Temperature: T = <u>65</u> °F	n = <u>.85</u>		F _{pv} (From Tables) <u>1.010</u>	Gravity <u>.650</u>	F _g = <u>.9608</u>

$$\text{CHOKE VOLUME} = Q = C \times P_f \times F_f \times F_g \times F_{pv}$$

$$Q = (12.365)(120)(.9952)(.9608)(1.010) = \underline{1433} \text{ MCF/D}$$

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

$$Aof = \left(\frac{63504}{43055} \right)^n = (1433)(1.4749)^{.85} = (1433)(1.3914)$$

Note: The well produced a light spray of water and distillate throughout the test period.

$$Aof = \underline{1994} \text{ MCF/D}$$

TESTED BY Dannie RobertsCalculated
WITNESSED BY T. B. Grant

RECEIVED
AUG 21 1968
OIL CON. COM.
DIST. 3

H. L. Kendrick
H. L. Kendrick