

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE June 25, 1973

Operator <u>El Paso Natural Gas Company</u>		Lease <u>Turner # 6</u>	
Location <u>1740'N, 950'W, Sec 13, T-30N, R-10W</u>		County <u>San Juan</u>	State <u>New Mexico</u>
Formation <u>Pictured Cliffs EXT</u>		Pool <u>Blanco</u>	
Casing: Diameter <u>2.875</u>	Set At: Feet <u>3319</u>	Tubing: Diameter <u>No tubing</u>	Set At: Feet
Pay Zone: From <u>3180</u>	To <u>3238</u>	Total Depth: <u>3319</u>	Shut In <u>6-8-73</u>
Stimulation Method <u>SWN</u>		Flow Through Casing <u>XXX</u>	

Choke Size, Inches <u>.750</u>		Choke Constant: C <u>12.365</u>		Frictionless Correlation	
Shut-In Pressure, Casing, PSIG <u>984</u>	+ 12 = PSIA	Days Shut-In <u>17</u>	Shut-In Pressure, Tubing, PSIG <u>No tubing</u>	+ 12 = PSIA	
Flowing Pressure: P, PSIG <u>156</u>	+ 12 = PSIA		Working Pressure: Pw, PSIG <u>Calculated</u>	+ 12 = PSIA	
Temperature: T = <u>64</u> °F			Fpv (From Tables) <u>1.014</u>	Gravity <u>.635</u>	<u>1.9721</u>
					<u>.85</u>

CHOKE VOLUME = $Q = C \times P_1 \times F_p \times F_g \times F_{pv}$

$$Q = (12.365)(156)(.9943)(.9721)(1.014) = 1891 \text{ MCF/D}$$

OPEN FLOW = $Aof = Q \left(\frac{P_c^2}{P_w^2} \right)^n$ NOTE: Well produced gas

$$Aof = 1891 \left(\frac{10016}{10085} \right)^{.85} = 1891(1.0016)^{.85} = 1891(1.0032)$$

Aof = 1907 MCF/D



TESTED BY Carl Rhames

WITNESSED BY _____

William D. Welch
William D. Welch, Well Test Engineer