

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATADATE May 21, 1958

Operator El Paso Natural Gas Company		Lease Rincon 113	
Location 1500N, 800E, 20-27-6		County Rio Arriba	State New Mexico
Formation Mesa Verde		Pool Blanco Mesa Verde	
Casing: Diameter 7-5/8	Set At: Feet 3332	Tubing: Diameter 2	Set At: Feet 5525
Pay Zone: From 4842	To 5554	Total Depth: 5584	Shut-in 5/9/58
Stimulation Method Sand Water Frac		Flow Through Casing	Flow Through Tubing X

Choke Size, Inches .75		Choke Constant: C 14.1605		5-1/2 liner 3304 - 5580	
Shut-In Pressure, Casing, PSIG 1080	- 12 = PSIA 1092	Days Shut-In 12	Shut-In Pressure, Tubing PSIG 1080	- 12 = PSIA 1092	
Flowing Pressure: P PSIG 235	- 12 = PSIA 247		Working Pressure: P _w PSIG 630	- 12 = PSIA 642	
Temperature: T °F 67	n = .75		F _{pv} (From Tables) 1.026	Gravity .692	

CHOKE VOLUME = Q = C × P_i × F_r × F_g × F_{pv}

$$Q = 14.1605 \times 247 \times .9933 \times .9325 \times 1.026 = 3324 \text{ MCF/D}$$

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

$$Aof = \left(\frac{1,192,464}{780,300} \right)^n = 3324 (1.5282)^{.85} = 3324 \times 1.3742$$

$$Aof = 4568 \text{ MCF/D}$$

Well blew heavy spray of oil
entire test period.TESTED BY Richard Proctor

WITNESSED BY _____

Checked By H. L. Kendrick

Lewis D. Galloway
L. D. Galloway

