

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE November 1, 1956

Operator El Paso Natural Gas Company	Lease Rincon #64
Location 165CN, 1190E, Sec. 23-27-7	County Rio Arriba State New Mexico
Formation Pictured Cliffs	Section South Blanco Pictured Cliffs
Wellbore Depth 5 1/2 Set At Feet 3180	Tubing Diameter 2" Set At Feet 3133
Flowing Pressure 3118	Total Depth c/o 3150
Flowing Pressure 3132	Flow Through Casing Flow Through Tubing
Flowing Pressure Sand water frac	X

Choke size, inches 0.75	Choke constant 14.1605
Shut-in Pressure, casing, PSIG 990	Shut-in Pressure, tubing, PSIG 992
Flowing Pressure, PSIG 161	Working Pressure, PSIG 321
Flowing Pressure, PSIA 173	Flowing Pressure, PSIA 333
Flowing Pressure, PSIG 59	Flowing Pressure, PSIG 1.016
Flowing Pressure, PSIA .85	Flowing Pressure, PSIA .650

CHOKE VOLUME $Q = C \times P_1 \times E_1 \times F_1 \times F_2$

$$14.1605 \times 173 \times 1.001 \times .9603 \times 1.016 = 2394 \text{ MCF/D}$$

OPEN FLOW $Q = \left(\frac{P_1^2 - P_w^2}{P_1^2} \right)^n$

$$\left(\frac{1,008,016}{897,127} \right)^n = 1.1236 \times 2394 = 1.1041 \times 2394$$

$$2643 \text{ MCF/D}$$

R. A. Ullrich

W. D. Galloway

L. D. Galloway



OIL CONSERVATION COMMISSION

AZTEC DISTRICT OFFICE

No. Copies Received 3

DISTRIBUTION

	YES	NO
Operator		
Santa Fe	1	
Promotion Office		
State Land Office		
U. S. G. S.	1	
Transporter		
File	1	✓