

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATADATE July 10, 1957

Operator El Paso Natural Gas		Lease Jicarilla No. 3-F	
Location 1460'N, 905'W, Sec. 21-26-5		County Rio Arriba	State New Mexico
Formation Pictured Cliffs		Pool Undesignated	
Casing: Diameter 5 1/2	Set At: Feet 3110	Tubing: Diameter 1 1/4	Set At: Feet 3071
Pay Zone: From 3008	To 3078	Total Depth: c/o - 3090	
Stimulation Method Sand Water Frac.		Flow Through Casing X	Flow Through Tubing

Choke Size, Inches 0.75		Choke Constant: C 12.365			
Shut-In Pressure, Casing, PSIG 1022	+ 12 = PSIA 1034	Days Shut-In	Shut-In Pressure, Tubing PSIG 1023	+ 12 = PSIA 1035	
Flowing Pressure: P PSIG 200	+ 12 = PSIA 212		Working Pressure: P _w PSIG 243	+ 12 = PSIA 255	
Temperature: T °F 73	n = .85		F _{pv} (From Tables) 1.020	Gravity .650	

$$\text{CHOKE VOLUME} = Q = C \times P_1 \times F_1 \times F_g \times F_{pv}$$

$$Q = 12.365 \times 212 \times .9877 \times .9608 \times 1.020 = \underline{2537} \text{ MCF/D}$$

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

$$A_{of} = \left(\frac{1,071,225}{1,006,200} \right)^n = 1.0646^{.85} \times 2537 = 1.0546 \times 2537$$

$$A_{of} = \underline{2676} \text{ MCF/D}$$

TESTED BY R. A. UllrichWITNESSED BY Virgil Stoabs (J. Glenn Turner)

cc: Virgil Stoabs (4)

L. D. Galloway
L. D. Galloway



OIL CONSERVATION COMMISSION

AZTEC DISTRICT OFFICE

No. Copies Received 3

DISTRIBUTION

	NO COPIES	
Operator		
Santa Fe		
Proration Office		
State Land Office		
U. S. G. S.		
Transporter		
File		✓