

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE March 12, 1957

Operator El Paso Natural Gas		Lease Jicarilla # 1-H	
Location 990'N, 990'E, Sec. 5-24-4		County Rio Arriba	State New Mexico
Formation Pictured Cliffs		Pool Wildcat	
Casing Diameter 5½	Set At: Feet 3026	Tubing Diameter 1½	Set At: Feet 2954
Pay Zone: From 2895	To 2938	Total Depth: 3200 - c/o - 3031	
Stimulation Method Sand Water Frac		Flow Through Casing X	Flow Through Tubing

Choke Size, inches 0.75	Choke Constant: C 14.1605	Shut-In Pressure, Casing, PSIG 920	12 PSIA 932	Days Shut-In 18	Shut-In Pressure, Tubing, PSIG 919	12 PSIA 931
Flowing Pressure: P _f 104	PSIG 116	12 PSIA	Working Pressure: P _w 108	PSIG 120	12 PSIA	
Temperature: T 58	°F		Fpv (From Tables) 1.011	Gravity .670		

CHOKE VOLUME $Q = C \times P_c \times F_c \times F_g \times F_{pv}$

$$Q = 14.1605 \times 116 \times 1.0019 \times .9463 \times 1.011 = 1574 \text{ MCF/D}$$

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

$$A_{of} = \left(\frac{868,624}{854,224} \right)^n (1.0168)^{.85} \times 1574 = 1.0143 \times 1574$$

$$A_{of} = 1597 \text{ MCF/D}$$

TESTED BY R. A. UllrichWITNESSED BY Virgil Stoabs, Benson-Montin-Greer cc: (4)By: Tom Grant

L. D. Galloway
L. D. Galloway



OIL CONSERVATION COMMISSION		
AZTEC DISTRICT OFFICE		
No. Copies Received		3
DISTRIBUTION		
	NO. FURNISHED	
Operator		
Santa Fe	/	
Proration Office		
State Land Office		
U. S. G. S.	/	
Transporter		
File	/	✓