

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATADUAL COMPLETIONDATE March 13, 1957

Operator El Paso Natural Gas Company		Lease Heaton # 9	
Location 990'N, 11495'E, Sec. 32-31-11		County San Juan	State New Mexico
Formation Pictured Cliff		Pool Undesignated	
Casing Diameter 7 5/8	Set At: Feet 4549	Tubing Diameter 2	Set At: Feet 4689
Pay Zone: From 2400	To 2442	Total Depth 4900 - c/o - 4800' - Packer @ 2475	
Stimulation Method Sand Water Frac		Flow Through Casing X	Flow Through Tubing

Casing Size, Inches .750	Choke Constant, C 14.1605	5 1/2" liner at 4902	
Shut-In Pressure, Casing 635 PSIG	- 12 = PSIA 647	Days Shut-In 11	Shut-In Pressure, Tubing 620 PSIG - 12 = PSIA 632
Flowing Pressure, P 89 PSIG	- 12 = PSIA 101	Working Pressure, P _w 91 PSIG	- 12 = PSIA 103
Temperature, T 60 F	n .85	Flow From Tables 1.009	Gravity .660

SIPT (M.V.) - 1063 psig

CHOKE VOLUME = Q C x P_c x F_c x F_g x F_{av}

C 14.1605 x 101 x 1.000 x .9535 x 1.009 1376 MCF/D

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

$$A_{of} \left(\frac{418,609}{408,000} \right)^n = (1.026)^{.85} \times 1376 = 1.022 \times 1376$$

A_{of} 1406 MCF/DBY K. C. McBride

WITNESSED BY

cc: (6) E. J. Coel, Jr.

L. D. Galloway
L. D. Galloway



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