

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DUAL COMPLETION

DATE September 13, 1957

Operator El Paso Natural Gas Company		Lease Bolack No. 9-C	
Location 1650'N, 990'E, Sec. 31-27-8		County San Juan	State New Mexico
Formation Pictured Cliffs		Pool South Blanco	
Casing: Diameter 7-5/8	Set At: Feet 4235	Tubing: Diameter 1-1/4	Set At: Feet 2070
Pay Zone: From 2018	To 2070	Total Depth: 4700 - c/o 4430	
Stimulation Method Sand Water Frac.		Flow Through Casing X	Flow Through Tubing

Casing Size, Inches 0.750		Choke Constant: C 12.365		5-1/2" liner - 4182 to 4698	
Shut-In Pressure, Casing, PSIG PC 693	PSIG - 12 - PSIA 705	Days Shut-In 16	Shut-In Pressure, Tubing, PSIG PC - 693	PSIG - 12 - PSIA 705	
Flowing Pressure: P, PSIG 152	PSIG - 12 - PSIA 164		Working Pressure: Pw, PSIG 157	PSIG - 12 - PSIA 169	
Temperature: T, F 70	F, In 0.85		Flow From Tables 1.014	Gravity .649	

SIPT (MV) Initial - 1078; Final - 1078 psig. Packer at 4220. Sleeve at 2091. 2" at 4373

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

$Q = 12.365 \times 164 \times .9905 \times .9645 \times 1.014 = 1964$ MCF/D

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

$A_{of} = \left(\frac{497,025}{468,464} \right)^n \quad 1.061^{.85} \times 1964 = 1.0516 \times 1964$

$A_{of} = 2065$ MCF/D

S. V. Roberts

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

L. D. Galloway

L. D. Galloway



UNITED DISTRICT OFFICE
No. Copies Received 2

DISTRIBUTION

	No.
Operator	
Station Office	
Water Land Office	
U. S. S.	
Transporter	
File	