

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATADUAL COMPLETION

DATE April 9, 1957

Operator El Paso Natural Gas Company		Lease Storey # 9-C	
Location 1700'S, 990'W, Sec. 34-28-9		County San Juan	State New Mexico
Formation Pictured Cliffs		Pool Undesignated	
Casing: Diameter 7 5/8	Set At: Feet 5082	Tubing: Diameter 1 1/2	Set At: Feet 2998
Pay Zone: From 2946	To 2987	Total Depth: 5400 - c/o - 5320. Packer at 5101	
Stimulation Method Sand Water Frac		Flow Through Casing X	
		Flow Through Tubing	

Choke Size, Inches .750	Choke Constant, C 14.1605	5 1/2" liner - 5016 to 5396	
Shut-In Pressure, Casing, PSIG 687	PSIA 699	Days Shut-In 7	Shut-In Pressure, Tubing, PSIG 688
Flowing Pressure: P, PSIG 204	PSIA 216		Working Pressure: Pw, PSIG 211
Temperature: T, F .63			Gravity .635
			Fpv (From Tables) 1.019

SIPT (M.V.) - 989 psig. Ending SIPT (M.V.) - 989 psig

CHOKE VOLUME $Q = C \times P_r \times F \times F_p \times F_{gv}$ $Q = 14.1605 \times 216 \times .9971 \times .9721 \times 1.019 = 3021$ MCF/D

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

$$A_{of} = \left(\frac{1480,000 - 1480,271}{1480,271 - 1480,000} \right)^{.85} \times 3021 = 1.095 \times 3021$$

Aof 3308 MCF/D

TESTED BY K. C. McBride

WITNESSED BY

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



L. D. Galloway

OIL CONSERVATION COMMISSION

AZTEC DISTRICT OFFICE

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