

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATADUAL COMPLETIONDATE October 3, 1957

Operator El Paso Natural Gas Company		Lease Riddle No. 3-F	
Location 1150'N, 1131'E, Sec. 20-28-8		County San Juan	State New Mexico
Formation Pictured Cliffs		Pool Undesignated	
Casing: Diameter 7-5/8	Set At: Feet 2559	Tubing: Diameter 1-1/4	Set At: Feet 2434
Pay Zone: From 2426	To 2398	Total Depth: 4840	
Stimulation Method Sand Water Frac.		Flow Through Casing X	Flow Through Tubing

Choke Size, Inches 0.75		Choke Constant: C 12.365		5-1/2" liner 2511 to 4834	
Shut-in Pressure, Casing, PSIG 858	PSIG - 12 = PSIA 870	Days Shut-In 7	Shut-in Pressure, Tubing, PSIG 358	PSIG - 12 = PSIA 870	
Flowing Pressure: P, PSIG 129	PSIG - 12 = PSIA 141		Working Pressure: P _w , PSIG 136	PSIG - 12 = PSIA 148	
Temperature: T, °F 63	n .85		F _{pv} (From Tables) 1.012	Gravity .655	

Starting SIPT (MV) - 1056 psig; Final - 1059 psig. Packer at 2617. Sleeve at 2457.

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

$$Q = 12.365 \times 141 \times .9971 \times .9571 \times 1.012 = 1684 \text{ MCF/D}$$

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

$$Aof = \left(\frac{756,900}{734,996} \right)^n = 1.0298^{.85} \times 1684 = 1.0253 \times 1684$$

$$Aof = 1727 \text{ MCF/D}$$

TESTED BY R. A. Ullrich

WITNESSED BY _____

cc: E. S. Oberly (6)

L. D. Galloway
L. D. Galloway



OIL CONSERVATION COMMISSION	
AZ LFC DISTRICT OFFICE	
Case, Cooperated By	2
Date	
State	
County	
City	
State	
U. S. G. S.	
Transporter	
File	1 / 1