

BUREAU OF LAND MANAGEMENT
 OPEN FLOW TEST DATA

DUAL COMPLETION

DATE 7-25-56

Operator Amerada Petroleum Corporation		Lease Jicarilla Apache # F-2	
Location 990'N, 990'W, Sec. 17-25-5		County Rio Arriba	State New Mexico
Formation La Ventana		Well Wildcat	
Casing Diameter 5 1/2	Set At: Feet 3790	Tubing Diameter 2 3/8" OD	Set At: Feet 3481
Pay Zone: From 3594	To 3716	Total Depth 3775	
Stimulation Method Sand Oil Frac.		Flow Through Casing	Flow Through Tubing X

Choke Size, Inches 0.750	Choke Constant, C 14.1605	Shut-in 8 days	
Shut-in Pressure, Casing, PSIG 69	12 PSIA	Shut-in Pressure, Tubing, PSIG 852	12 PSIA 864
Flowing Pressure, P, PSIG 0.750	12 PSIA	Working Pressure, Pw, PSIG 1.034	12 PSIA 494 Calculated
Temperature, T, °F 69		Sp. Gr. (From Tables) 1.034	Gravity 0.750 est.

$$\text{CHOKE VOLUME } Q = C \times P_c \times F_1 \times F_g \times F_{v_1}$$

$$C = 14.1605 \times 261 \times .9915 \times .8944 \times 1.034 = 3,389 \text{ MCF/D}$$

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

$$\left(\frac{746,496}{502,737} \right)^n (1.4849)^{.75} Q = 1.345 Q$$

$$AOF = 4,558 \text{ MCF/D}$$



D. C. Adams

W. T. Galloway

cc: Amerada (2)

L. D. Galloway
 L. D. Galloway

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