

EL PASO NATURAL GAS COMPANY 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 Pictured Cliff		Pool Wildcat	
Casing Diameter 5½	Set At Feet 3790	Tubing Diameter 2 3/8" OD	Set At Feet 3481
Flow Zone From 2721	2784	Total Depth 3481	
Stimulation Method Sand Water Frac.		Flow Through Casing X	Flow Through Tubing

Choke Size, inches 0.750	Choke Constant, C 14.1605		
Wellbore Pressure, PSIG 787	PSIG 12 - PSIA 799	Days Shut-in 8	Surface Pressure, Tubing PSIG 12 - PSIA
Flowing Pressure, PSIG 16	PSIG 12 - PSIA 28	Accuracy Pressure, PSIG Calculated	PSIG 12 - PSIA 29
Fracture Length, ft 71	0.85	Flow From Tubing 1.003	Gravity 0.646

CHOKE VOLUME $Q = C \times P_1 \times P_2 \times F_g \times F_{gv}$

$Q = 14.1605 \times 28 \times .9896 \times .9645 \times 1.003 \quad 380 \quad \text{MCF/D}$

$$\text{OPEN FLOW} \quad A_{\text{eff}} = \left(\frac{P_1^2 - P_2^2}{P_0^2 - P_2^2} \right)^n$$

$$A_{\text{eff}} = \left(\frac{638,401}{637,560} \right)^n \quad (1.0013)^{.85} \quad Q = 1.0011 \quad Q$$

$A_{\text{eff}} = 380 \quad \text{MCF/D}$

Checked by **D. C. Adams**

Witnessed by **H. E. Hegwood**

L. D. Galloway
L. D. Galloway



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