

OPEN FLOW TEST DATA

Company Distribution only

DATE 10-15-81

Operator Ralph Abbott		Lease PALMER #1	
Location S. Sec. 17, T-27-N, R-13-W		County San Juan	
Formation Pictured Cliffs		State New Mexico	
Casing Diameter 2.975	Set At Feet 1116	Tubing Diameter NONE	Set At Feet
Per Forat From 1042	To 1052	Total Depth 1058	Shut In 10-B-81
Stimulation Method Foam Frac		Flow Through Casing XX	Flow Through Tubing

Choke Size, Inches 0.750	Choke Coefficient, C 11.000		
Shut-In Pressure, Casing, PSIG 291	+ 12 = PSIA 303	Days Shut-In 7	Shut-In Pressure, Tubing, PSIG No Tubing
Flowing Pressure, P, PSIG 64	+ 12 = PSIA	76	Working Pressure, Pw, PSIG Calc
Temperature, T = 63 °F	n = 0.9971	0.85	Fp (From Tables) .986
			Gravity 4.650

MOKE VOLUME = Q = C x P_i x F_i x F_g x F_p

Q = (11.000) (76) (.9971) (1.240) (.986) = 1019

1.240

MCF/D

OPEN FLOW = Aof = Q $\left(\frac{P_c^2}{P_c^2 - P_w^2} \right)^{1/2}$

Aof = $\left(\frac{91809}{84920} \right)^{1/2} = (1.0811)^{.85} = 1.068847$

Aof = 1089 MCF/D

TESTED BY Ralph Abbott
 WITNESSED BY H. E. McAnally

after