OPEN FLOW TEST DATA

DATE January 2, 1959

Operator: El Paso Natural Gas		Lease: Quigley 1-A	
Location: 1180N, 1750W; 1-29-10		County: San Juan	State: New Mexico
Formation: Pictured Cliffs		Pool: Aztec	
Casing Diameter: 5-1/2	Set At Feet: 2485	Tubing Diameter: 1-1/4	Set At Feet: 2406
Perforations: From 2366	To 2410	Total Depth: 2485	Shut in 12/17/58
Stimulation Method: Sand Water Frac.		Flow Through Casing: X	Flow Through Tubing

Choke Size, Inches: .75		Choke Constant: 12.365					
Shut-in Pressure, Casing: 849	PSIG + 12 = PSIA 861	Days Shut-in 15	Shut-in Pressure, Tubing: 850		PSIG + 12 = PSIA 862		
Flowing Pressure: P 45	PSIG + 12 = PSIA 57		Working Pressure: Pw 51		PSIG + 12 = PSIA 63		
Temperature: T 60	F	Fpv .85	Fg 1.003		Gravity .647		

CALCULATED VOLUME Q = C x P_t x F_t x F_{pv} x F_g

Q = 12.365 x 57 x 1.000 x .9645 x 1.003 = 682 MCF D

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

$\left(\frac{743044}{739075} \right)^{n}$ $1.0053^{.85}$ x 682 = 1.0045 x 682

Aof = 685 MCF D

Frank Clark

Checked By D. K. Bryant

Lewis D. Galloway

L. D. Galloway

RECEIVED
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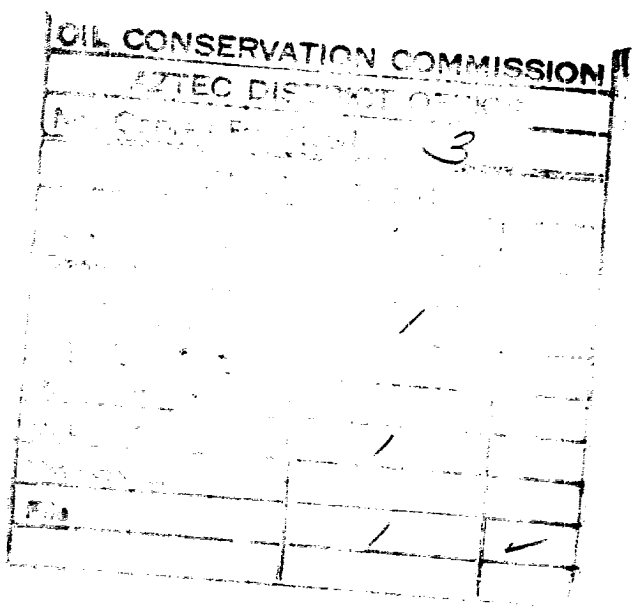
OIL CON. COM.
DIST. 3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