FORM 23-75 (12-66)

EL PASO NATURAL GAS COMPANY

OPEN FLOW TEST DATA

DATE July 31, 1969

Operator: El Paso Natural Gas Company		Lease: San Juan 29-6 Unit No. 79	
Location: 990S, 1160 W S24, T29N, R6W		County: Rio Arriba	State: New Mexico
Formation: Basin		Pool: Dakota	
Casing: Diameter: 4.500	Set At: Feet: 8171	Tubing: Diameter: 1.660	Set At: Feet: 8094
Pay Zone: From: 8042	To: 8146	Total Depth: 8171	Shut In: 7-10-69
Stimulation Method: Sand Water Frac		Flow Through Casing: XX	Flow Through Tubing:

Choke Size, Inches: 0.750		Choke Constant: C: 12.365			
Shut-In Pressure, Casing, PSIG: 2656	+ 12 = PSIA: 2668	Days Shut-In: 21	Shut-In Pressure, Tubing PSIG: 2656	+ 12 = PSIA: 2668	
Flowing Pressure: P PSIG: 30	+ 12 = PSIA: 342		Working Pressure: P_w PSIG: 450	+ 12 = PSIA: 462	
Temperature: T= 91 °F	Ft= .9715	n = 0.750	Fpv (From Tables): 1.030	Gravity: .680	Fg = .9393

CHOKE VOLUME = $Q = C \times P_t \times F_t \times F_g \times F_{pv}$

$Q = 12.365 \times 342 \times .9715 \times .9393 \times 1.030 = 3975$ MCF/D

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

$Aof = \left(\frac{7118224}{6904780} \right)^n = (1.0309)^{.75} \times 3975 = 1.0230 \times 3975$

Note: Well blew mist of hydrocarbon throughout 3 hour test.

Aof = 4066 MCF/D

TESTED BY RES

Calculated

~~WITNESSED~~ BY RES

RECEIVED
AUG 6 1969
OIL CON. COM.
DIST. 3

R. E. Stauffer

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