(Rev. 1-63)

EL PASO NATURAL GAS COMPANY

OPEN FLOW TEST DATA

DATE August 28, 1967

Operator: aso Natural Gas Company		Lease: San Juan 27-5 Unit No. 102	
1145'S, 1715'W, Sec. 12, T-27-N, R-5-W		County: Rio Arriba	State: New Mexico
n		Pool: Basin	
Casing: Diameter: 4.5	Set At: Feet: 8264	Tubing: Diameter: 2.375	Set At: Feet: 7996
Pay Zone: From: 010	To: 8220	Total Depth: 8265	Shut In: 8-20-67
Stimulation Method: Sand Water Frac		Flow Through Casing:	Flow Through Tubing: X

Choke Size, Inches: .750		Choke Constant: C: 12.365			
Shut-in Pressure, Casing, PSIG: 2470	+ 12 = PSIA: 2482	Days Shut-In: 8	Shut-in Pressure, Tubing PSIG: 2528	+ 12 = PSIA: 2540	
Flowing Pressure: P PSIG: 320	+ 12 = PSIA: 332		Working Pressure: P_w PSIG: 1122	+ 12 = PSIA: 1134	
Temperature: T= 74 °F	Ft= .9868	n = .75	Fpv (From Tables): 1.026	Gravity: .615	Fg= .9877

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

$Q = (12.365)(332)(.9868)(.9877)(1.026) =$ 4105 MCF/D

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

$Aof = \left(\frac{6451600}{5165644} \right)^n = (4105)(1.2489)^{.75} = (4105)(1.1813)$

NOTE: The well produced a light spray of dist. throughout the test.

RECEIVED
AUG 31 1967
OIL CON. COM.
DIST. 3

Aof = 4849 MCF/D

TESTED BY R. F. Headrick

CALCULATED
WITNESSED BY H. E. McAnally

H. L. Kendrick