FORM 23-75 (12-66)

EL PASO NATURAL GAS COMPANY

OPEN FLOW TEST DATA

CORRECTED COPY

DATE June 5, 1975

Operator: El Paso Natural Gas Company		Lease: San Juan 32-9 Unit #84 (Wildcat)	
Location: 900'S, 1460/W, Sec. 14, T31N, R10W		County: San Juan	State: New Mexico
Formation: Wildcat		Pool: Undes	
Casing: Diameter: 4.500	Set At: Feet: 3195'	Tubing: Diameter: 1.900	Set At: Feet: 3075'
Pay Zone: From: 978	To: 990	Total Depth: 3195' PBTD 3183'	Shut In: 5-12-75
Stimulation Method: Sandwater Frac		Flow Through Casing: XX	Flow Through Tubing:

Choke Size, Inches: .750		Choke Constant: C: 12.365		Packer set at 1216'	
Shut-In Pressure, Casing, PSIG: 415	+ 12 = PSIA: 427	Days Shut-In: 24	Shut-In Pressure, Tubing PSIG: --	+ 12 = PSIA: --	
Flowing Pressure: P PSIG: 96	+ 12 = PSIA: 108		Working Pressure: Pw PSIG: Calculated	+ 12 = PSIA: 112	
Temperature: T= 57 °F Ft=1.003	n = .85		Fpv (From Tables): 1.007	Gravity: .610 Fg = .9918	

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

$Q = (12.365)(108)(1.003)(1.007)(.9918) =$ 1338 MCF/D

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

$Aof = Q \left(\frac{182329}{169785} \right)^n = 1338(1.0739)^{.85} = 1338(1.0625)$

$Aof =$ 1422 MCF/D

Note: Well blew a fine spray of water and oil throughout test. During the test 206.4 MCF of gas was vented to atmosphere.

TESTED BY R. Hardy

WITNESSED BY

Gary W. Smith

Well Test Engineer