FORM 23-75 (12-65)

EL PASO NATURAL GAS COMPANY

OPEN FLOW TEST DATA

DATE December 20, 1977

Operator: El Paso Natural Gas Company		Lease: S.J. 28-5 Unit #33 (OWWO)	
Location: SW 17-28-05		County: Rio Arriba	State: New Mexico
Formation: Dakota		Pool: Basin	
Casing: Diameter: 5.00	Set At: Feet: 8174'	Tubing: Diameter: 2 3/8	Set At: Feet: 8001'
Pay Zone: From: 7895	To: 8041	Total Depth: PBTD 8100	Shut In: 12-12-77
Stimulation Method: Sandwater Frac		Flow Through Casing:	Flow Through Tubing: XX

Choke Size, Inches: .750		Choke Constant: C: 12.365			
Shut-In Pressure, Casing, PSIG: --	+ 12 = PSIA: --	Days Shut-In: 7	Shut-In Pressure, Tubing PSIG: 419	+ 12 = PSIA: 431	
Flowing Pressure: P PSIG: 93	+ 12 = PSIA: 105		Working Pressure: Pw PSIG: Calc.	+ 12 = PSIA: 234	
Temperature: T= 62 °F Ft= .9981	n = .75		Fpv (From Tables): 1.009	Gravity: .670 Fg = .9463	

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

$Q = 12.365(105)(.9981)(.9463)(1.009) = 1237$ MCF/D

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

$Aof = Q \left(\frac{185761}{131005} \right)^n = 1237(1.418)^{.75} = 1237(1.299)$

$Aof = 1607$ MCF/D

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JAN 3 1978
OIL CON. COM.
DIST. 3

Note: 170 MCF gas vented during test.

TESTED BY John Easley

WITNESSED BY _____

Well Test Engineer