FORM 23-75 (12-66)

EL PASO NATURAL GAS COMPANY

OPEN FLOW TEST DATA

DATE December 3, 1968

Operator: El Paso Natural Gas Company		Lease: Rincon Unit No. 131	
Location: 1800'S, 1550'W, Sec. 36, T-27-N, R-7-W		County: Rio Arriba	State: New Mexico
Formation: Dakota		Pool: Basin	
Casing: Diameter: 4.500	Set At: Feet: 7497	Tubing: Diameter: 2.375	Set At: Feet: 7151
Pay Zone: From: 7186	To: 7447	Total Depth: 7497	Shut In: 11-9-68
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: 2507	+ 12 = PSIA: 2519	Days Shut-In: 24	Shut-In Pressure, Tubing PSIG: 2449	+ 12 = PSIA: 2461	
Flowing Pressure: P PSIG: 364	+ 12 = PSIA: 376		Working Pressure: P_w PSIG: 884	+ 12 = PSIA: 896	
Temperature: T= 79 °F	Ft= .9822	n = .75	Fpv (From Tables): 1.041	Gravity: .700	Fg = .9258

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

$Q = (12.365)(376)(.9822)(.9258)(1.041)$ = 4401 MCF/D

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

$Aof = \left(\frac{6345361}{5542545} \right)^n = (4401)(1.1448)^{.75} = (1.1068)(4401)$

Note: Well blew a heavy spray of water and distillates throughout the test.

Aof = 4871 MCF/D

TESTED BY D. R. Roberts

Checked WITNESSED BY R. E. Stauffer

RECEIVED
DEC 11 1968
OIL CON. COM.
DIST. 3

H. L. Kendrick