FORM 23-75 (12-65)

EL PASO NATURAL GAS COMPANY

OPEN FLOW TEST DATA

DATE January 24, 1974

Operator: El Paso Natural Gas Company		Lease: Rincon Unit Com #203	
Location: 990/S, 890/W, Sec. 27, T27N, R7W		County: Rio Arriba	State: New Mexico
Formation: Dakota		Pool: Basin	
Casing: Diameter: 4.500	Set At: Feet: 7573'	Tubing: Diameter: 2.375	Set At: Feet: 7530'
Pay Zone: From: 7344	To: 7547	Total Depth: 7575 PBTD 7556	Shut In: 1-15-74
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: 2454	+ 12 = PSIA: 2466	Days Shut-In: 9	Shut-In Pressure, Tubing PSIG: 1858	+ 12 = PSIA: 1870	
Flowing Pressure: P PSIG: 384	+ 12 = PSIA: 396		Working Pressure: Pw PSIG: 1006	+ 12 = PSIA: 1018	
Temperature: T= 75 °F Ft= .9859	n = .75		Fpv (From Tables): 1.036	Gravity: .650 Fg = .9608	

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

$Q = 12.365(396)(.9859)(.9608)(1.036) = 4805$ MCF/D

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

$Aof = Q \left(\frac{6081156}{5044832} \right)^n = 4805(1.2054)^{.75} = 4805(1.1504)$

Aof = 5528 MCF/D

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DIST. 3

Note: Well unloaded heavy spray of oil, water, and distillate in approximately 3 minutes. Then a heavy fog of water and distillate throughout test.

TESTED BY Norton

WITNESSED BY

Loren W. Fothergill

Loren W. Fothergill
Well Test Engineer