FORM 23-75R (REV. 1-63)

EL PASO NATURAL GAS COMPANY

OPEN FLOW TEST DATA

DATE [illegible]

Operator: El Paso Natural Gas Company		Lease: San Juan 27-5 Unit # [illegible]	
Location: 1650'N, 1550'E, Sec. 1, T-27-N, R-5-W		County: Rio Arriba	State: New Mexico
Formation: Dakota		Pool: Basin	
Casing: Diameter: 4.000	Set At: Feet: 8700	Tubing: Diameter: 2.375	Set At: Feet: [illegible]
Pay Zone: From: 8430	To: 8628	Total Depth: [illegible]	Shut In: [illegible]
Stimulation Method: Sand Water Frac		Flow Through Casing	Flow Through Tubing

Choke Size, Inches: .750		Choke Constant: C: 12.365			
Shut-In Pressure, Casing, PSIG: 2436	+ 12 = PSIA: 2448	Days Shut-In: 7	Shut-In Pressure, Tubing PSIG: 2436	+ 12 = PSIA: [illegible]	
Flowing Pressure: P PSIG: 305	+ 12 = PSIA: 317		Working Pressure: P_w PSIG: 1142	+ 12 = PSIA: [illegible]	
Temperature: T= 73 °F	Ft= .9877	n = .75	Fpv (From Tables): 1.035	Gravity: [illegible]	Fg = [illegible]

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

$Q = (12.365)(317)(.9877)(9837)(1.025)$ = 3904 MCF/D

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

$Aof = \left(\frac{5992704}{4660988} \right)^n = (3904)(1.2857)^{.75} = (3904)(1.2075)$

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NOTE: The well unloaded a large slug of [illegible] after 5 minutes and then reduced to a small slug of dist. and water every 5 minutes to the end of the test.

Aof = 4714 MCF/D

TESTED BY H. E. McAnally

WITNESSED BY T. D. Grant

H. L. Kendrick