OPEN FLOW TEST DATA

DATE May 19, 1969

Operator: El Paso Natural Gas		Lease: San Juan 28-4 Unit No. 32	
Location: 1617'N, 870,E, Sec. 32, T-28-N, R-4-W		County: Rio Arriba	State: New Mexico
Formation: Dakota		Pool: Basin	
Casing: Diameter: 4.500	Set At: Feet: 8758	Tubing: Diameter: 2.375	Set At: Feet: 8042
Pay Zone: From: 8552	To: 8732	Total Depth: 8758	Shut In: 4-28-69
Stimulation Method: Sand Water Frac		Flow Through Casing	Flow Through Tubing: X

Choke Size, Inches: 0.750		Choke Constant: C: 12.365			
Shut-In Pressure, Casing, PSIG: 2557	+ 12 = PSIA: 2569	Days Shut-In: 21	Shut-In Pressure, Tubing PSIG: 2557	+ 12 = PSIA: 2569	
Flowing Pressure: P PSIG: 147	+ 12 = PSIA: 159		Working Pressure: P_w PSIG: 715	+ 12 = PSIA: 727	
Temperature: T= 63 °F Ft=0.9971	n = .75		Fpv (From Tables): 1.016	Gravity: .680 Fg = .9393	

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

$Q = (12.365)(159)(0.9971)(.9393)(1.016)$ = 1,871 MCF/D

Note: The well producted a heavy fog of water throughout the test.

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

Aof = $\left(\frac{6599761}{6071232} \right)^n = (1871)(1.0870)^{.75} = (1871)(1.0645)$

Aof = 1992 MCF/D

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MAY 22 1969
OIL CON. COM.
DIST. 3

TESTED BY C. R. W.

Calculated

~~WITNESSED~~ WITNESSED BY H. E. M.

H. L. Kendrick