FORM 23-75 (12-66)

EL PASO NATURAL GAS COMPANY

OPEN FLOW TEST DATA

DATE November 23, 1973

Operator: El Paso Natural Gas Company		Lease: Allison Unit #18	
Location: 825/N, 1850/E, Sec. 25, T32N, R7W		County: San Juan	State: New Mexico
Formation: Dakota		Pool: Basin	
Casing: Diameter: 4.500	Set At: Feet: 8093'	Tubing: Diameter: 2 3/8	Set At: Feet: 8044'
Pay Zone: From: 7920	To: 8050	Total Depth: 8093	Shut In: 11-15-73
Stimulation Method: Sandwater Frac		Flow Through Casing:	Flow Through Tubing: X

Choke Size, Inches: .750		Choke Constant: C: 12.365			
Shut-In Pressure, Casing, PSIG: 2683	+ 12 = PSIA: 2695	Days Shut-In: 8	Shut-In Pressure, Tubing PSIG: 2172	+ 12 = PSIA: 2184	
Flowing Pressure: P PSIG: 100	+ 12 = PSIA: 112		Working Pressure: P_w PSIG: 515	+ 12 = PSIA: 527	
Temperature: T= 52 °F Ft=1.0078	n = .75		Fpv (From Tables): 1.010	Gravity: .600 Fg = 1.000	

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

$Q = (12.365)(112)(1.0078)(1.000)(1.010)$ = 1410 MCF/D

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

$Aof = Q \left(\frac{7263025}{6985296} \right)^n = (1.0398)^{.75}(1410) = (1.0297)(1410)$

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DIST. 3

Aof = 1451 MCF/D

Note: Blew very heavy fog of water and light hydrocarbons.

TESTED BY Jesse B. Goodwin

WITNESSED BY _____

William D Welch

William D. Welch
Well Test Engineer