EL PASO NATURAL GAS COMPANY

OPEN FLOW TEST DATA

DATE June 28, 1973

Operator: El Paso Natural Gas Company		Lease: Stewart No. 11	
Location: 1000'S, 1500'E, Section 20, T30N, R10W		County: San Juan	State: New Mexico
Formation: Pictured Cliffs		Pool: Aztec	
Casing: Diameter: 2.875	Set At: Feet: 2910	Tubing: Diameter: No Tubing	Set At: Feet:
Pay Zone: From: 2764	To: 2814	Total Depth: 2910	Shut In: 6-7-73
Stimulation Method: SWF		Flow Through Casing: XX	Flow Through Tubing:

Choke Size, Inches: .750		Choke Constant: C: 12.365		Tubingless Completion	
Shut-in Pressure, Casing: PSIG: 504	+ 12 = PSIA: 516	Days Shut-In: 21	Shut-in Pressure, Tubing: PSIG: No Tubing		+ 12 = PSIA:
Flowing Pressure: P: PSIG: 33	+ 12 = PSIA: 45		Working Pressure: P_w: PSIG: Calculated		+ 12 = PSIA: 56
Temperature: T = 68 °F	Ft = .9924	n = .85	Fpv (From Tables): 1.003		Gravity: .635 Fg = .9721

CHOKE VOLUME = Q = C × P_t × F_t × F_g × F_{pv}

Q = (12.365) (45) (.9924) (.9721) (1.003) = 538 MCF/D

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

NOTE: The well produced a medium mist of water.

$Aof = Q \left(\frac{266256}{263120} \right)^n = 538\ (1.0119)^{.85} = 538\ (1.0101)$

Aof = 544 MCF/D

RECEIVED
JUL 6 1973
OIL CON. COM.
DIST. 3

TESTED BY Bobby Broughton

WITNESSED BY

William D. Welch

William D. Welch, Well Test Engineer