FORM 3-75 (12-65)

EL PASO NATURAL GAS COMPANY

OPEN FLOW TEST DATA

DATE May 14, 1973

Operator: El Paso Natural Gas Company		Lease: Hughes A No. 8	
Location: 792'S, 1080'E, Section 27, T29N, R8W		County: San Juan	State: New Mexico
Formation: Pictured Cliffs		Pool: Blanco	
Casing: Diameter: 2.875	Set At: Feet: 3467	Tubing: Diameter: No Tubing	Set At: Feet:
Pay Zone: From: 3310	To: 3342	Total Depth: 3467	Shut In: 5-2-73
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: 1009	+ 12 = PSIA: 1021	Days Shut-In: 12	Shut-In Pressure, Tubing PSIG: No Tubing	+ 12 = PSIA:	
Flowing Pressure: P PSIG: 108	+ 12 = PSIA: 120		Working Pressure: P_w PSIG: Calculated	+ 12 = PSIA: 154	
Temperature: T= 60°F Ft=1.000	n = .85		Fpv (From Tables): 1.010	Gravity: .645 Fg = .9645	

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

$Q = (12.365)(120)(1.0000)(.9645)(1.010) = 1445$ MCF/D

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

NOTE: Blew dry gas for entire test.

$Aof = Q \left(\frac{1042441}{1042429} \right)^n = 1445\ (1.0233)^{.85} = 1445\ (1.0198)$

Aof = 1474 MCF/D

TESTED BY Jesse B. Goodwin

WITNESSED BY _____

RECEIVED
MAY 18 1973
OIL CON. COM.
DIST. 3

William D. Welch

William D. Welch, Well Test Engineer