FORM 29-75R (REV. 1-63)

EL PASO NATURAL GAS COMPANY

OPEN FLOW TEST DATA

DATE October 16, 1967

Operator: El Paso Natural Gas Company		Lease: Canyon Largo Unit No. 137 (PC)	
Location: 1650'N, 1550'E, Sec. 5, T-25-N, R-6-W		County: Rio Arriba	State: New Mexico
Formation: Pictured Cliffs		Pool: So. Blanco	
Casing: Diameter: 7.000	Set At: Feet: 3570	Tubing: Diameter: 1.250	Set At: Feet: 3550
Pay Zone: From: 3520	To: 3554	Total Depth: 3570	Shut In: 10-1-67
Stimulation Method: Sand Water Frac		Flow Through Casing: X	Flow Through Tubing:

Choke Size, Inches: .750		Choke Constant: C: 12.365		Baker Model K-1 Production Packer set at 3558	
Shut-In Pressure, Casing, PSIG: 360 (PC)	+ 12 = PSIA: 372 (PC)	Days Shut-In: 15	Shut-In Pressure, Tubing PSIG: 360 (PC)	+ 12 = PSIA: 372 (PC)	
Flowing Pressure: P PSIG: 302	+ 12 = PSIA: 284		Working Pressure: Pw PSIG: 302	+ 12 = PSIA: 314	
Temperature: T= 61 °F	Ft=.9981	n = .85	Fpv (From Tables): 1.031	Gravity: .680	Fg=.9393

ISIPT (5H) = 710 psig
FSIPT (5H) = 714 psig

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

$Q = (12.365)(284)(.9981)(.9393)(1.031)$ = 3394 MCF/D

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

$Aof = \left(\frac{129384}{39738} \right)^n = (3394)(3.4780)^{.85} = (3394)(2.8830)$

NOTE: The well produced a light fog of water for the entire test.

Aof = 9785 MCF/D

TESTED BY Jesse B. Goodwin

WITNESSED BY H. E. McAnally

RECEIVED
OCT 17 1967
OIL CON. COM.
DIST. 3

H. L. Kendrick