FORM 23-75R (REV. 1-63)

EL PASO NATURAL GAS COMPANY

OPEN FLOW TEST DATA

DATE August 30, 1967

Operator: El Paso Natural Gas Company		Lease: Riddle A No. 3 (OWWO)	
Location: 800'S, 1090'W, Sec. 24, T-30-N, R-~~10~~ 9 -W		County: San Juan	State: New Mexico
Formation: Mesa Verde		Pool: Blanco	
Casing: Diameter: 4.500	Set At: Feet: 4805	Tubing: Diameter: 2.375	Set At: Feet: 4665
Pay Zone: From: 4141	To: 4656	Total Depth: 4805	Shut In: 8-23-67
Stimulation Method: Sand Water Frac		Flow Through Casing:	Flow Through Tubing: X

Choke Size, Inches: .750		Choke Constant: C: 12.365			
Shut-In Pressure, Casing, PSIG: 784	+ 12 = PSIA: 796	Days Shut-In: 7	Shut-In Pressure, Tubing PSIG: 763	+ 12 = PSIA: 775	
Flowing Pressure: P PSIG: 278	+ 12 = PSIA: 290		Working Pressure: Pw PSIG: 624	+ 12 = PSIA: 636	
Temperature: T= 76 °F	Ft= .9850	n = .75	Fpv (From Tables): 1.026	Gravity: .660	Fg = .9535

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

$Q = (12.365)(290)(.9850)(.9535)(1.026) = 3455$ MCF/D

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

Aof = $\left(\frac{633616}{229120} \right)^n = (3455)(2.7654)^{.75} = (2.1455)(3455)$

NOTE: The Well Produced a heavy spray of dist. and water throughout the test.

Aof = 7413 MCF/D

TESTED BY J. B. Goodwin

CHECKED ~~WITNESSED~~ BY T. B. Grant

CALCULATED BY H. E. McAnally

RECEIVED
SEP 13 1967
OIL CON. COM.
DIST. 3

H. L. Kendrick