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

EL PASO NATURAL GAS COMPANY

OPEN FLOW TEST DATA

DATE 10-20-66

Operator: El Paso Natural Gas Company		Lease: Turner B Com J No. 16	
Location: 1840'S, 1840'W, Sec. 2, T-27-N, R-9-W		County: San Juan	State: New Mexico
Formation: Dakota		Pool: Basin	
Casing: Diameter: 4.500	Set At: Feet: 6931	Tubing: Diameter: 2.375	Set At: Feet: 6825
Pay Zone: From: 6664	To: 6854	Total Depth: 6932	Shut In: 10-13-66
Stimulation Method: Sand Water Frac		Flow Through Casing	Flow Through Tubing: X

Choke Size, Inches: .750	Choke Constant: C: 12.365		Top Tubing Perf. at 6789'.		
Shut-in Pressure, Casing, PSIG: 2060	+ 12 = PSIA: 2072	Days Shut-in: 7	Shut-in Pressure, Tubing PSIG: 2053	+ 12 = PSIA: 2065	
Flowing Pressure: P PSIG: 304	+ 12 = PSIA: 316		Working Pressure: Pw PSIG: 1135	+ 12 = PSIA: 1147	
Temperature: T= 60 °F Ft=1.000	n = .75		Fpv (From Tables): 1.040	Gravity: .725 Fg = .9097	

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

$Q = (12.365)(316)(1.000)(.9097)(1.040) = 3697$ MCF/D

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

$Aof = \left(\frac{4293184}{2977575} \right)^n = (3697)(1.4418)^{.75} = (3697)(1.3158)$

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OCT 24 1966
OIL CON. COM.
DIST. 3

NOTE: Spray of distillate and water immediately and remained throughout test.

Aof = 4865 MCF/D

TESTED BY A. J. Loleit

CHECKED ~~WITNESSED~~ BY H. E. McAnally

H. L. Kendrick