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

EL PASO NATURAL GAS COMPANY

OPEN FLOW TEST DATA

DATE April 19, 1968

Operator: El Paso Natural Gas Company		Lease: Standard Oil Com No. 1 (OWWO)	
Location: 1090'S, 1850'W, Sec. 36, T-29-N, R-9-W		County: SJ	State: New Mexico
Formation: Mesa Verde		Pool: Blanco	
Casing: Diameter: 4.500	Set At: Feet: 4550	Tubing: Diameter: 2.375	Set At: Feet: 4468
Pay Zone: From: 3757	To: 4476	Total Depth: 4550	Shut In: 4-11-68
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: 771	+ 12 = PSIA: 783	Days Shut-In: 8	Shut-In Pressure, Tubing PSIG: 270	+ 12 = PSIA: 282	
Flowing Pressure: P PSIG: 150	+ 12 = PSIA: 162		Working Pressure: P_w PSIG: 515	+ 12 = PSIA: 527	
Temperature: T= 80 °F	Ft= .9813	n = .75	Fpv (From Tables): 1.015	Gravity: .630	Fg = .9393

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

Q = (12.365)(162)(.9813)(.9393)(1.015) = 1874 MCF/D

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

Aof = $\left(\frac{613089}{355360} \right)^n$ = (1874)(1.8281)$^{.75}$ = (1874)(1.5722)

Aof = 2946 MCF/D

NOTE: The well blew down in 5 minutes and started unloading a 3/4" stream of water after 5 minutes and continued making a stream for 5 minutes, then the well produced a very heavy spray throughout the remainder of the test.

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APR 24 1968
OIL CON. COM.
DIST. 3

TESTED BY H. E. McAnally

CHECKED WITNESSED BY T. B. Grant

H. L. Kendrick