EL PASO NATURAL GAS COMPANY



OPEN FLOW TEST DATA

DATE 12/28/72

Operator EL PASO NATURAL GAS COMPANY		Lease Heaton #31			
1180/s, 1500/w,	Sec. 28, T31, R11	San Juan	NM		
Formation		Pool			
Pictured Cliffs		Aztec			
Casing: Diameter	Set At: Feet	Tubing: Diameter	Set At: Feet		
2.875	2546	No tubing			
Pay Zone: From	То	Total Depth:	Shut In		
2426	2462	2546	12/20/72		
Stimulation Method		Flow Through Casing	Flow Through Tubing		
SWF		X			

Choke Size, Inches		Choke Constant: C					•
. 750	12.365	·	Tubingless Completion				
Shut-In Pressure, Casing,	PSIG	+ 12 = PSIA	Days Shut-In	Shut-In Pressure, Tubing		+ 12 = PSIA	
567		579	88	No tubing			
Flowing Pressure: P	PSIG	+ 12 = PSIA		Working Pressure: Pw	PSIG	+ 12 = PSIA	
139		151		Calculated		184	
Temperature:		n ≃		Fpv (From Tables)		Gravity	
T= 57 °F F+=	1.0029	. 85		1.013		.635	Fg = .9721

CHOKE VOLUME = Q = C x P, x F, x Fg x Fpv

MCF/D

OPEN FLOW = Aof = Q
$$\begin{pmatrix} & & & & \\ & \frac{2}{P_c} & & \\ & P_c & P_w & \end{pmatrix}$$

Aof = Q
$$\left(\frac{335241}{301385} \right)^{n}$$
 = $(1844)(1.1123)^{.85}$ = $(1844)(1.0947)$

JAN 2 1913 OIL COAL COM. DIST. 3

Aof = 2019 MCF/D

NOTE: Well produced a medium fog of

water throughout the test

TESTED BY W. D. Welch

WITNESSED BY

William D. Welch Well Test Engineer