OPEN FLOW TEST DATA

DUAL COMPLETION

DATE September 16, 1958

Dependent El Paso Natural Gas Location 15508, 1550W; 19-27-6 Formation Pictured Cliffs		Rincon 107 (P)		
		County Rio Artiba	State New Mexico	
		South Blanco		
Casing: Diameter 7-5/8	Set At: Feet	Tubing: Diameter 1-1/4	Set At: Feet 3177	
Pay Zone: From 3100	To 3160	Total Depth: 55 66	Shut in 7/22/58	
Stimulation Method Sand Water Prac.		Flow Through Casing X	Flow Through Tubing	

Choke Size, Inches		Choke Constant: C 12.365		5-1/2" liner 3260 - 5561	
Shut-In Pressure, Casing, 967	PSIG	+ 12 = PSIA 979	Days Shut-In 5 6	Shut-In Pressure, Tubing PSIG 967	+ 12 = PSIA 979
Flowing Pressure: P	PSIG	- 12 = PSIA	167	Working Pressure: Pw PSIG	+ 12 = PSIA 169
Temperature: T	[‡] F	n =	85	Fpv (From Tables) 1.014	Gravity .631

Initial SIPT (MV) = 1089 PSIG Final SIPT (MV) = 1091 PSIG Packer at 3289

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

 $Q = 12.365 \times 167 \times .9981 \times .9759 \times 1.014$

2040 MCF/D

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

Aof =
$$\left(\begin{array}{c} 958441 \\ 929880 \end{array}\right)^n = (1.0307)^{-85} = 1.0260 \times 2040$$

OCT 1 1958 OIL CON. COM. DIST. 3

TESTED	BY	Jess	e B.	Good	win	 _
WITNESSI	ED BY_					
Checked	Ву	S. V	. Ro	berts		

L. D. Galloway

F. O. Box 997
Farmington, New Mexico

September 16, 1958

RECEIVED

OCT 1 1958

OIL CON. COM.
DIST. 3

Mr. E. C. Arnold Oil Conservation Commission 1960 Rio Brazos Road Aztec, New Mexico

MV SIFT 1089

Re: Facker Leakage Test on the El Paso Natural Cas
Company Well, Rincon 107 (PM), 1550S, 1550W;
19-27-6, Rio Arriba County, New Mexico
(Name - Location - Company)

Dear Mr. Arnold:

The subje	ct well was dually comp	pleted in the Picture	i Cliffs and M	esa Verde
zones and a pa	cker was set at 3289	feet. The Mesa Var	rde zone was t	ested
contrough a 5/4	choke for three hours	Sept. 5, 1958 With	i the following dat	a obtained:
	10 SIPC 963	psig; Shur-in 45	days	
	PC SIFT 963	raig;		
	W SIFT 1103	paig: Shut-in 45	даув	
	(MV) Flowing Pressure	(ma) are (a)	(MV) Working	. 0 .
linutes		(PC) SIP (C) Psig	Pressure, Psig	Temp F
15	402	96 5		62
30 45	369	966		63
45	333	966		63
60	317	968		64
120	266	968		64
180	228	966	Calc. 462	6 5
The choke	volume for the <u>Mese</u> /D.	a Verde was 2803	MCF/D with an AOF	of
	,		,	
The Pict	ured Cliffs zone was	tested Sept. 16, 19	958 with a	3/4" choke
for 3 hours wi	th the following data of	obtained:		
	PC SIPC 967 psi	lg; Shut-in <u>5</u> 6	da ys	
	pe stre 967 mas			

psig; Shut-in 11 days