

EL PASO NATURAL GAS COMPANY

P. O. Box 997
Farmington, New Mexico

August 7, 1958



Mr. E. C. Arnold
Oil Conservation Commission
1000 Rio Brazos Road
Aztec, New Mexico

Re: Packer Leakage Test on the El Paso Natural Gas
Company Well, San Juan 27-5 Unit 31 (PM)
990N, 990E; 24-27-5; Rio Arriba, New Mex.
(Name - Location - Company)

Dear Mr. Arnold:

The subject well was dually completed in the Pictured Cliffs and Mesa Verde zones and a packer was set at 3550 feet. The Pictured Cliffs zone was tested through a $3/4$ " choke for three hours July 30, 1958 with the following data obtained:

PC SIRC 928 psig; Shut-in 10 days

PC SIRT 927 psig;

MV SIRT 1096 psig; Shut-in 10 days

Time Minutes	(PC) Flowing Pressure Psig	(MV) SIRT (T) Psig	(PC) Working Pressure, Psig	Temp ° F
0		1096		
15	726	1096		62
30	671	1096		62
45	539	1096		62
60	401	1096		62
180	318	1096	514	62

The choke volume for the Pictured Cliffs was 2944 MCF/D with an AOF of 5429 MCF/D.

The Mesa Verde zone was tested August 7, 1958 with a $3/4$ " choke for 5 hours with the following data obtained:

PC SIRC 839 psig; Shut-in 8 days

PC SIRT 839 psig;

MV SIRT 1037 psig; Shut-in 18 days

August 7, 1958

Time Minutes	(MV) Flowing Pressure Tubing Psig	(PC SH (C) Psig	(MV) Working Pressure, Psig	Temp ° F
0		839		
15	397	843		62
30	365	844		63
45	346	844		64
60	329	844		64
180	261	844	Calc. 539	64

The flow volume for the Pictured Cliffs test was 3262 MCF/D with an AOF
of 4155 MCF/D.

The results of the above tests indicate there is no packer leakage.

Very truly yours,

M. W. Rischard
M. W. Rischard
Gas Engineer

MWR/nb

cc: J. M. Rodgers
E. S. Oberly (4)
File