

EL PASO NATURAL GAS COMPANY

P. O. Box 997
Farmington, N.M.

September 16, 1957

Mr. E. C. Arnold
Oil Conservation Commission
120 East Chaco
Aztec, New Mexico

Re: Packer Leakage Test on the El Paso Natural Gas
Company Well, Rincon No. 99, NE 27-27-6, Rio
Arriba County, New Mexico.

Dear Mr. Arnold:

The subject well was dually completed in the Pictured Cliffs and Mesa Verde zones and a packer was set at 3361 feet. The Pictured Cliffs zone was tested through a 3/4" choke for three hours September 4, 1957 with the following data obtained:

Pictured Cliffs SIPC - 1035 psig; shut-in 15 days
Pictured Cliffs SIPT - 1035 psig

Mesa Verde SIPT - 1047 psig; shut-in 15 days

<u>Time Minutes</u>	<u>PC Flowing Pressure Casing Psig</u>	<u>MV SIPT Psig</u>	<u>PC Working Pressure, Psig</u>	<u>Temp °F</u>
1:30	Open	1047		
1:45	674	1047		64
2:00	611	1049		66
2:15	534	1050		67
2:30	475	1050		68
4:30	281	1050	294	68

The choke volume for the Pictured Cliffs was 3561 MCF/D with an A.O.F. of 3842 MCF/D.

The Mesa Verde zone was tested September 12, 1957 with a 3/4" choke for 3 hours with the following data obtained:

Pictured Cliffs SIPC - 1046 psig; shut-in 8 days
Pictured Cliffs SIPT - 1045 psig

Mesa Verde SIPT - 1052 psig; shut-in 23 days



<u>Time</u> <u>Minutes</u>	<u>MV Flowing Pressure</u> <u>Tubing Psig</u>	<u>PC SIPC Psig</u>	<u>MV Working</u> <u>Pressure Psig</u>	<u>Temp °F</u>
12:00	Open	1046		
12:15	642	1048		65
12:30	568	1047		65
12:45	481	1047		66
1:00	414	1045		65
3:00	355	1045	Calculated 722	66

The choke volume for the Mesa Verde test was 4432 MCF/D with an A.O.F. of 7193 MCF/D.

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

Very truly yours,

S. V. Roberts

S. V. Roberts
Gas Engineer

SVR/jla

cc: E. J. Coel, Jr.
W. M. Rodgers
E. S. Oberly (6)
File

