

EL PASO NATURAL GAS COMPANY

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

September 6, 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, San Juan 28-7 Unit No. 76,
NE 22-28-7, Rio Arriba County, New Mexico.

Dear Mr. Arnold:

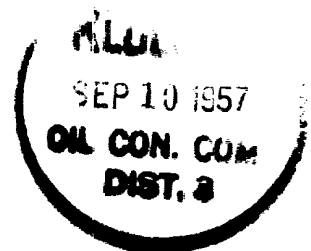
The subject well was dually completed in the Pictured Cliffs and Mesa Verde zones and a packer was set at 3665 feet. The Pictured Cliffs zone was tested through a 3/4" choke for three hours August 29, 1957 with the following data obtained:

Pictured Cliffs SIPC - 941 psig) - shut-in 46 days
Pictured Cliffs SIPT - 941 psig)
Mesa Verde SIPT - 1066 psig - shut-in 46 days

<u>Time Minutes</u>	<u>PC Flowing Pressure Casing Psig</u>	<u>MV SIPT Psig</u>	<u>Temp °F</u>	<u>PC Psig Working Pressure</u>
15	383	1065	54	
30	237	1065	55	
45	175	1066	57	
60	151	1066	58	
180	86	1067	58	89

The choke volume for the Pictured Cliffs was 1193 MCF/D with an AOF of 1204 MCF/D. The Mesa Verde zone was tested September 5, 1957 with a 3/4" choke for 3 hours with the following data obtained:

Pictured Cliffs SIPC - 918 psig) - shut-in 7 days
Mesa Verde SIPT - 1072 psig) - shut-in 53 days



<u>Time Minutes</u>	<u>MV Flowing Pressure Psig</u>	<u>PC SIPC Psig</u>	<u>Temp °F</u>	<u>MV Working Pressure Psig</u>
15	532	923	62	
30	491	923	63	
45	450	923	64	
60	437	923	66	
180	362	923	68	Calculated - 747

The choke volume for the Mesa Verde test was 4538 MCF/D with an AOF of 7529 MCF/D.

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

Very truly yours,



R. A. Ullrich
Gas Engineer

RAU/jla

cc: W. T. Hollis
W. M. Rodgers
E. J. Coel, Jr. (6)
File