

EL PASO NATURAL GAS COMPANY



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

September 27, 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.
73, NE 28-28-7, Rio Arriba County, N.M.

Dear Mr. Arnold:

The subject well was dually completed in the Pictured Cliffs and Mesa Verde zones and a packer was set at 2869 feet. The Pictured Cliffs zone was tested through a 3/4" choke for three hours September 17, 1957 with the following data obtained:

Pictured Cliffs SIPC - 939 psig; shut-in 12 days
Pictured Cliffs SIPT - 939 psig

Mesa Verde SIPT - 1048 psig; shut-in 12 days

<u>Time</u> <u>Minutes</u>	<u>PC Flowing Pressure</u> <u>Casing Psig</u>	<u>MV SIPT Psig</u>	<u>PC Working</u> <u>Pressure, Psig</u>	<u>Temp °F</u>
0	On through casing			
15	352	1043		66
30	240	1048		67
45	178	1048		71
60	153	1049		75
180	81	1049	82	74

The choke volume for the Pictured Cliffs was 1101 MCF/D with an A.O.F. of 1110 MCF/D.

The Mesa Verde zone was tested September 26, 1957 with a 3/4" choke for 3 hours with the following data obtained:

Pictured Cliffs SIPC - 980 psig; shut-in 9 days
Pictured Cliffs SIPT - 980 psig

Mesa Verde SIPT - 1071 psig; shut-in 21 days.



<u>Time Minutes</u>	<u>MV Flowing Pressure Tubing Psig</u>	<u>PC SIPC Psig</u>	<u>MV Working Pressure, Psig</u>	<u>Temp °F</u>
15	486	984		67
30	456	984		68
45	438	983		69
60	421	983		70
180	371	983	Calculated 728	72

The choke volume for the Mesaverde test was 4604 MCF/D with an A.O.F. of 7380 MCF/D.

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

Very truly yours,

R. A. Ullrich

R. A. Ullrich
Gas Engineer

RAU/jla

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

