

EL PASO NATURAL GAS COMPANY

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

September 19, 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, Storey No. 4 (PM), NE
34-28-8, San Juan 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 2848 feet. The Pictured Cliffs zone was tested through a 3/4" choke for three hours September 12, 1957 with the following data obtained:

Pictured Cliffs SIPC - 884 psig; shut-in 8 days
Pictured Cliffs SIPT - 884 psig

Mesa Verde SIPT - 980 psig; shut-in 8 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>
0	On through casing			
15	512	980		64
30	367	981		65
45	288	981		66
60	210	982		67
180	145	985	149	68

The choke volume for the Pictured Cliffs was 2141 MCF/D with an A.O.F. of 2201 MCF/D.

The Mesa Verde zone was tested September 19, 1957 with a 3/4" choke for 3 hours with the following data obtained:

Pictured Cliffs SIPC - 921 psig; shut-in 7 days
Pictured Cliffs SIPT - 921 psig

Mesa Verde SIPT - 1026 psig; shut-in 15 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	395	921	Calculated	65
30	335	921		66
45	313	921		68
60	299	921		68
180	240	920	470	69

The choke volume for the Mesa Verde test was 3011 MCF/D with an A.O.F. of 3613 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: E. J. Coel, Jr.
 W. M. Rodgers
 E. S. Oberly (6)
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