

EL PASO NATURAL GAS COMPANY

P. O. Box 997
Farmington, New Mexico

June 18, 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 37 (PM), 800N,
840E; 20-27-5, 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 3450 feet. The Mesa Verde zone was tested through a 3/4" choke for three hours June 3, 1958, with the following data obtained:

PC SIPC 1096 psig; Shut-in 79 days

MV SIPT 1097 psig; Shut-in 7 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>
0	-	1096		-
15	533	1097		64
30	488	1098		64
45	411	1099		65
60	383	1099		65
180	295	1101	602 Calc.	66

The choke volume for the Mesa Verde was 3639 MCF/D with an AOF of 4789 MCF/D.

The Pictured Cliff zone was tested June 10, 1958, with a 3/4" choke for 3 hours with the following data obtained:

PC SIPC 1094 psig; Shut-in 86 days

MV SIPT 1090 psig; Shut-in 7 days




June 18, 1958

<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	-	1090		-
15	310	1090		55
30	232	1095		57
45	169	1092		58
60	137	1092		60
120	109	1093		61
180	97	1093	101	61

The choke volume for the Pictured Cliff test was 1286 MCF/D with an AOF of 1297 MCF/D.

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

Very truly yours,


Jess Goodwin
Gas Technician

JG/nb

cc: W. M. Rodgers
E. S. Oberly (6)
File

