

EL PASO NATURAL GAS COMPANY

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

December 2, 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 28-6 Unit No. 66
(PM), 890'N, 1650'E, Sec. 11-27-6, 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 3669 feet. The Pictured Cliffs zone was tested through a 3/4" choke for three hours November 20, 1957 with the following data obtained:

Pictured Cliffs SIPC 1106 psig; shut-in 11 days
Pictured Cliffs SIPT 1106 psig

Mesa Verde SIPT 1038 psig; shut-in 11 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	Open	1038		
15	342	1038		47
30	204	1038		49
45	178	1039		51
60	137	1039		53
180	102	1040	105	55

The choke volume for the Pictured Cliffs was 1355 MCF/D with an A.O.F. of 1368 MCF/D.

The Mesa Verde zone was tested November 27, 1957 with a 3/4" choke for three hours with the following data obtained:

Pictured Cliffs SIPC 1114 psig; shut-in 7 days
Pictured Cliffs SIPT 1114 psig

Mesa Verde SIPT 1063 psig; shut-in 18 days



Test OK
ae

<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	Open	1114		
15	591	1120		52
30	456	1120		53
45	399	1120		55
60	351	1120		55
180	271	1120	Calculated 560	59

The choke volume for the Mesa Verde test was 3383 MCF/D with an A.O.F. of 4344 MCF/D.

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

Very truly yours,



S. V. Roberts
Gas Engineer

SVR/jla

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