

EL PASO NATURAL GAS COMPANY

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

January 29, 1958

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. 93 (M),
840'S, 1550'W, Sec. 9-27-7, 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 3330 feet. The Pictured Cliffs zone was tested through a 3/4" choke for three hours January 13, 1958 with the following data obtained:

Pictured Cliffs SIPC 991 psig; shut-in 23 days
Pictured Cliffs SIPT 991 psig

Mesa Verde SIPT 1038 psig; shut-in 23 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		1038		
15	658	1047		51
30	642	1051		52
45	675	1052		58
60	665	1054		63
180	581	1054	563	63

The choke volume for the Pictured Cliffs was 7535 MCF/D with an A.O.F. of 10,572 MCF/D.

The Mesa Verde zone was tested January 27, 1958 with a 3/4" choke for three hours with the following data obtained:

Pictured Cliffs SIPC 1000 psig; shut-in 14 days
Pictured Cliffs SIPT 1000 psig

Mesa Verde SIPT 1056 psig; shut-in 37 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		1000		
15	375	1001		54
30	321	1002		54
45	267	1002		54
60	211	1002		54
130	124	1002	Calculated 259	56

The choke volume for the Mesa Verde test was 1598 MCF/D with an A.O.F. of 1680 MCF/D.

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

Very truly yours,

S. V. Roberts
S. V. Roberts
Gas Engineer

SVR/jla

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