

EL PASO NATURAL GAS COMPANY

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

September 9, 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, Rincon No. 98, 990'N, 990'E, Sec. 21-27-6, 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 3326 feet. The Mesa Verde zone was tested through a 3/4" choke for three hours August 23, 1957 with the following data obtained:

Pictured Cliffs SIPC - 1055 psig;) shut-in 28 days
Pictured Cliffs SIPT - 1054 psig;)

Mesa Verde SIPT - 1034 psig; shut-in 28 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	444	1061		
30	411	1063		
45	379	1064		
60	360	1064		
180	303	1065	Calculated 606	65

The choke volume for the Mesa Verde was 3789 MCF/D with an A.O.F. of 5229 MCF/D.

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

Pictured Cliffs SIPC - 1071 psig;) shut-in 40 days
Pictured Cliffs SIPT - 1071 psig;)

Mesa Verde SIPT - 1028 psig; shut-in 40 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	open	1028		
15	611	1029		66
30	524	1028		64
45	491	1028		65
60	461	1028		68
120	385	1028		68
180	324	1028	341	68

The choke volume for the Pictured Cliffs test was 4144 MCF/D with an A.O.F. of 4558 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. T. Hollis
 W. M. Rodgers
 E. J. Coel, Jr. (6)
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