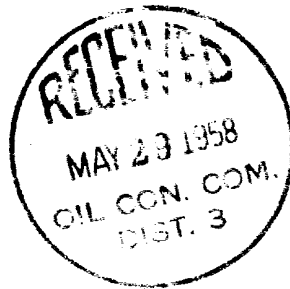


EL PASO NATURAL GAS COMPANY



P. O. Box 997  
Farmington, New Mexico

May 27, 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 Florence No. 14-D (PH), 17503,  
17504, 21-27-5, 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 4445 feet. The Mesa Verde zone was tested through a 3/4" choke for three hours May 15, 1958, with the following data obtained:

PC SIIC 810 psig; shut-in 19 days  
PC SIPT 811 psig;  
MV SIPT 1084 psig; shut-in 19 days

<u>Time Minutes</u>	<u>MV Flowing Pressure Tubing Psig</u>	<u>PC SIIC Psig</u>	<u>MV Working Pressure, Psig</u>	<u>Temp ° F</u>
15	399	811		70
30	358	811		74
45	340	809		72
60	327	809		72
120	298	812		72
180	279	812	585 (Calc.)	72

The choke volume for the Mesa Verde was 3355 MCF/D with an AOF of 4,135 MCF/D.

The Pictured Cliffs zone was tested May 23, 1958 with a 3/4" choke for 3 hours with the following data obtained:

PC SIIC 825 psig; Shut-in 27 days  
PC SIPT 821 psig;  
MV SIPT 1090 psig; Shut-in 2 days

May 27, 1953

<u>Time Minutes</u>	<u>FC Flowing Pressure Casing Psig</u>	<u>MV SIFT Psig</u>	<u>FC Working Pressure-Psig Tbg.</u>	<u>Temp ° F</u>
15	676	1092		64
30	658	1092	668	65
45	639	1092		68
60	625	1092	638	68
120	568	1093	564	71
180	544	1094	558	72

The choke volume for the Pictured Cliffs test was 6,884 MCF/D with an AOF of 11,725 MCF/D.

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

Very truly yours,

R R Davis  
R. R. Davis  
Gas Engineer

RRD/nb

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