

EL PASO NATURAL GAS COMPANY

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

November 26, 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, Riddle No. 5-F (PM), 790'N,
1090'E, Sec. 32-28-8, San Juan 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 2354 feet. The Pictured Cliffs zone was tested through a 3/4" choke for three hours November 18, 1957, with the following data obtained:

Pictured Cliffs SIPT 808 psig; shut-in 8 days
Pictured Cliffs SIPT 808 psig
Mesa Verde SIPT 1043 psig; shut-in 8 days

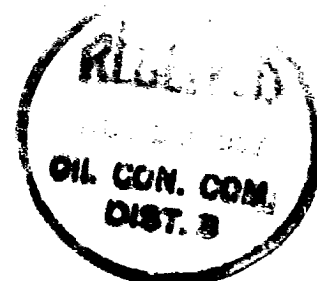
<u>Time</u> <u>Minutes</u>	<u>PC Flowing Pressure</u> <u>Casing Psig</u>	<u>MV SIPT Psig</u>	<u>PC Working</u> <u>Pressure, Psig</u>	<u>Temp ° F</u>
0	Open	1043		
15	392	1043		56
30	313	1043		58
45	286	1043		60
60	271	1043		60
180	216	1045	221	62

The choke volume for the Pictured Cliffs was 2771 MCF/D with an A.O.F. of 2977 MCF/D.

The Mesa Verde zone was tested November 25, 1957 with a 3/4" choke for three hours with the following data obtained:

Pictured Cliffs SIPT 827 psig; shut-in 7 days
Pictured Cliffs SIPT 827 psig
Mesa Verde SIPT 1063 psig; shut-in 15 days

OK




<u>Time</u> <u>Minutes</u>	<u>MV Flowing Pressure</u> <u>Tubing Psig</u>	<u>PC SIPC Psig</u>	<u>PC Working</u> <u>Pressure, Psig</u>	<u>Temp ° F</u>
0	Open	827		
15	492	828		66
30	463	828		67
45	451	828		69
60	430	828		69
180	408	828	Calculated 785	69

The initial estimate for the Mesa Verde test was 4929 MCF/D with an A.O.F. of 8971 MCF/Day.

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

