

**GULF OIL CORPORATION**  
**GYPSY DIVISION**

**TULSA, OKLA.**

September 4, 1936

Mr. F. J. Vesely  
State Oil and Gas Inspector  
Carlsbad, New Mexico

Dear Pete:

Gulf Graham State No. 3  
SW NE, Section 24-19-36

As you remember, some time ago you approached Mr. Slavik and myself regarding the amount of cement used in the 5 1/2" oil string casing in our Graham State No. 3 at Monument. Your records showed that only 25 sacks of cement had been used which, according to the rules, was not the proper amount. We advised that there must have been some mistake regarding the amount of cement since it was our general practice to use from 225 to 250 sacks. It is my understanding that you later approached Mr. Cummings, who expressed the same view and later had our field clerk, Mr. Collins, change your record.

I have recently learned that the casing in this well was actually cemented with only 25 sacks. The original casing program submitted was with normal surface casing, with base of the salt intermediate casing, and oil string above the pay. This program was originally submitted with the idea that we would broadenhead the Brown Lime gas. Subsequent to submitting our original program it was found that many of the west side wells had insufficient gas to flow them, so that it would be better to set our oil string a bit higher than usual so as to be able to flow the well. When the casing program was changed, through error our field foreman was not advised regarding the change in amount of cement necessary, so that the well was cemented with only 25 sacks of cement.

The situation at the present time is that we have 10 3/4" OD casing set at 234 feet and cemented with 200 sacks and 200 pounds of calcium chloride, 7 5/8" OD set at 1313 feet and cemented with 300 sacks 5 1/2" OD casing set at 3532 feet and cemented with 25 sacks. Twenty-five sacks of cement in 6 1/2" hole would fill outside 5 1/2" OD pipe, 350 feet. This would bring the cement to 3182 feet. The formation behind the pipe at this point is hard with very low or no porosity, so that essentially, the cement should fill in