

Rm. 348, Federal Bldg.
Brunswick, Georgia

July 30, 1963

Mr. L. T. Roberts
Soil Conservation Service
Room 302, Federal Building
Brunswick, Georgia

Dear Mr. Roberts:

The oil well known as the No. 1 - E. P. Curry was drilled in 1954 to a depth of 2,050 feet before being abandoned. According to the drillers, drill pipe was lost in the hole and could not be recovered. No record exists of the amount of drill pipe lost nor the depth at which it was lost. Also there is no record of the amount of casing left in the well. The casing diameter is reported to be about 12-inches, but this is not regarded as an exact diameter.

Several water samples have been taken from the well, and the results are given below.

<u>Date</u>	<u>Chloride (ppm)</u>	<u>Hardness (ppm)</u>
7-20-60	360	1,025
9-21-62	310	790
1-18-63	350	860

The analyses show the water is of poor quality. The chloride content is about ten times as great as would be expected from a well approximately 1,000 feet deep. Usually the chloride content ranges from 20 to 30 ppm. However the water samples were taken from a very small leak in the casing and undoubtedly are not representative of the water that would be obtained if the well was allowed to flow freely.

For instance a nearby oil test well produced water with a chloride content of about 1,000 ppm when allowed to flow about 100 gpm. However when the well was opened and allowed to flow freely the chloride content increased to nearly 8,000 ppm.

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I would not expect the chloride content of water from the Curry well to increase that much but, it might increase to about 1,000 ppm or more if the well was allowed to flow. A 2,000-foot well in the county flowed water with a chloride content of approximately 900 ppm. No records are available of the amount of flow from the well but it is reported to be "large".

If the well was cemented, or plugged at a depth of about 1,000 feet it would improve the quality of the water by sealing off the poor quality water. Before any plugging is done, the Georgia Department of Mines, Mining and Geology should be contacted in regard to the plugging operation.

Yours very truly,



Robert L. Wait

RLW/pmc

cc: H. B. Counts
Atlanta, Ga.
Garland Peyton ✓
Atlanta, Ga.