

PARTIAL ANALYSIS  
MISSOURI GEOLOGICAL SURVEY AND WATER RESOURCES

County: **Johnson County, Kansas.**  
 Owner: **A. D. Hobart, 7410 High Drive, Kansas City, Mo.**  
 Location: **sec.22, Twp.12 S., R.25 E. (Kansas)**  
 Source: **Well**  
 Analysis No.: **2250** Total Depth \_\_\_\_\_ and No. \_\_\_\_\_  
 Date Analyzed: **12-10-38**  
 Analyst: **R. T. Rolufs**  
 Collector: **F. C. Greene**

CONSTITUENTS:

In parts per Million.

|   |                      |
|---|----------------------|
| Turbidity.....                                | Turbid-bailer sample |
| Color.....                                    | None                 |
| Odor.....                                     | None                 |
| Total Suspended Solids.....                   | -----                |
| Total Dissolved Solids.....                   | 8956.0               |
| Loss on Ignition.....                         | -----                |
| Chloride Radicle (Cl).....                    | 5072.0               |
| Nitrate Radicle (NO <sub>3</sub> ).....       | -----                |
| Sulphate (SO <sub>4</sub> ).....              | 22.4                 |
| Bi-Carbonate Radicle (HCO <sub>3</sub> )..... |                      |
| Carbonate Radicle (CO <sub>3</sub> ).....     |                      |
| Sodium (Na) Potassium (K) as Na.....          |                      |
| Magnesium (Mg).....                           |                      |
| Iron (Fe).....                                |                      |
| Manganese (Mn).....                           |                      |
| Silica (SiO <sub>2</sub> ).....               |                      |
| Calcium (Ca).....                             |                      |
| Total Hardness.....                           |                      |
| Carbonate Hardness.....                       |                      |
| Alkalinity.....                               |                      |
| Precipitated Iron (Pp't. Fe.).....            |                      |
| Temporary Hardness.....                       |                      |
| Al <sub>2</sub> O <sub>3</sub> .....          |                      |

Remarks: **Water from 286 - 298 ft.**  
**Source: Iadora shale. Well is 1/2 mile west of State Line**  
**Sample taken 8-27-38**

Copies to: **Chem. Lab.**  
**F. C. Greene**