



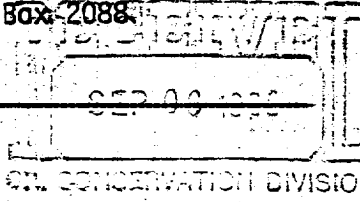
SCIENTIFIC LABORATORY DIVISION  
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Albuquerque, NM 87106 (505) 841-2555

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GENERAL WATER CHEMISTRY  
and NITROGEN ANALYSIS

DATE RECEIVED: 8/21/85 LAB NO: 3994 USER CODE:  59300  59600  OTHER: 82235  
 Collection DATE: 8/8/85 SITE INFORMATION: OWEN RANCH CORRAL FAUCET  
 Collection TIME: 1010  
 Collected by - Person/Agency: BAILEY/DCD  
 Collection site description: WELL TO T.O. - HORSE RANCH. WATER TASTES MUSTY. PUMP CONNECTIONS COATED WITH WHITE SCALE  
 CORRAL FAUCET CLOSEST TO WELL  
 GALISTEO CREEK AREA

ENVIRONMENTAL BUREAU  
NM OIL CONSERVATION DIVISION  
State Land Office Bldg, PO Box 2088  
Santa Fe, NM 87501  
Attn: David Boyer



SAMPLING CONDITIONS:

Bailed  Pump  Tap Water level: 16' Discharge: 200 gpm Sample type:  
 Dipped pH (00400): 6.97 Conductivity (Uncorrected): 710 µmho Water Temp: (00010): 22 °C Conductivity at 25 °C (00094): µmho  
 Field comments: SEPTIC FIELD > 300' DOWNGRADIENT. COMPLAINS OF SULFUR SMELL. O/G WELL BEING DRILLED 1/4 MI UPGRADIENT. LINDO PITS

SAMPLE FIELD TREATMENT - Check proper boxes:

No. of samples submitted: 1  NF: Whole sample (Non-filtered)  F: Filtered in field with 0.45 µm membrane filter  A: 2 ml H<sub>2</sub>SO<sub>4</sub>/L added  
 NA: No acid added  Other-specify:

ANALYTICAL RESULTS from SAMPLES:

| NF, NA  | Units | Date analyzed | F, NA  | Units      | Date analyzed |
|---|-------|---------------|--|------------|---------------|
| <input type="checkbox"/> Conductivity (Corrected) 25 °C (00095):          | µmho  |               | <input type="checkbox"/> Calcium (00815):  | mg/l       |               |
| <input type="checkbox"/> Total non-filterable residue (suspended) (00530) | mg/l  |               | <input type="checkbox"/> Magnesium (00925):  | mg/l       |               |
| <input type="checkbox"/> Other:   |       |               | <input type="checkbox"/> Sodium (00930):   | mg/l       |               |
| <input type="checkbox"/> Other:   |       |               | <input type="checkbox"/> Potassium (00935):  | mg/l       |               |
| <input type="checkbox"/> Other:   |       |               | <input type="checkbox"/> Bicarbonate (00440):  | mg/l       |               |
|   |       |               | <input type="checkbox"/> Chloride (00840):   | mg/l       |               |
|   |       |               | <input type="checkbox"/> Sulfate (00945):  | mg/l       |               |
|   |       |               | <input type="checkbox"/> Total filterable residue (dissolved) (70300):                   | mg/l       |               |
|   |       |               | <input type="checkbox"/> Other:  |            |               |
| <b>NF, A-H<sub>2</sub>SO<sub>4</sub></b>                                  |       |               | <b>F, A-H<sub>2</sub>SO<sub>4</sub></b>  |            |               |
| <input type="checkbox"/> Nitrate-N <sup>+</sup> , Nitrate-N total (00630) | mg/l  |               | <input checked="" type="checkbox"/> Nitrate-N <sup>+</sup> , Nitrate-N dissolved (00631) | 0.23 mg/l  | 8/23          |
| <input type="checkbox"/> Ammonia-N total (00610)                          | mg/l  |               | <input checked="" type="checkbox"/> Ammonia-N dissolved (00608)                          | < 0.1 mg/l | 8/26          |
| <input type="checkbox"/> Total Kjeldahl-N ( )                             | mg/l  |               | <input checked="" type="checkbox"/> Total Kjeldahl-N ( )                                 | < 0.1 mg/l | 8/27          |
| <input type="checkbox"/> Chemical oxygen demand (00340)                   | mg/l  |               | <input type="checkbox"/> Other:  |            |               |
| <input type="checkbox"/> Total organic carbon ( )                         | mg/l  |               |  |            |               |
| <input type="checkbox"/> Other:   |       |               |  |            |               |
| <input type="checkbox"/> Other:   |       |               |  |            |               |
| Analyst   |       | Date Reported | Reviewed by  |            |               |
|   |       | 8/27/85       | C. Dean  |            |               |

Laboratory remarks