New Mexico Health and Environment Department
SCIENTIFIC LABORATORY DIVISION
700 Camino de Salud NE
Albuquerque, NM 87106 — (505) 841-2555

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GENERAL WATER CHEMISTRY and NITROGEN ANALYSIS

DATE RECEIVED: 8/12/85 LAB NO. C 3994
USER CODE: ☐ 59300 ☐ 59600 ☒ OTHER: 82235
Collection DATE: 8/8/85
Collection TIME: 1010
Collected by — Person/Agency: BAILEY / OCD
SITE INFORMATION
Sample location: OWEN RANCH CORRAL FAUCET
Collection site description: WELL 70' T.D. - HORSE RANCH. WATER TASTES MUSTY; PUMP CONNECTIONS COATED WITH WHITE SCALE

CORRAL FAUCET CLOSEST TO WELL

GALISTEO CREEK AREA

Station/well code:
Owner:

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

RECEIVED
SEP 06 1985
OIL CONSERVATION DIVISION

SAMPLING CONDITIONS

☐ Bailed ☐ Dipped ☒ Pump ☐ Tap	Water level: 16'	Discharge: 200 gpm	Sample type:
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: LINED PITS

SAMPLE FIELD TREATMENT — *Check proper boxes*

No. of samples submitted: 1

☐ NF: Whole sample (Non-filtered) ☒ F: Filtered in field with 0.45 µ membrane filter ☒ A: 2 ml H_2SO_4/L added

☐ NA: No acid added ☐ Other-*specify*:

ANALYTICAL RESULTS from SAMPLES

NF, NA		Units	Date analyzed
☐ Conductivity (Corrected) 25°C (00095)		µmho	
☐ Total non-filterable residue (suspended) (00530)		mg/l	
☐ Other:			
☐ Other:			
☐ Other:			

F, NA		Units	Date analyzed
☐ Calcium (00915)		mg/l	
☐ Magnesium (00925)		mg/l	
☐ Sodium (00930)		mg/l	
☐ Potassium (00935)		mg/l	
☐ Bicarbonate (00440)		mg/l	
☐ Chloride (00940)		mg/l	
☐ Sulfate (00945)		mg/l	
☐ Total filterable residue (dissolved) (70300)		mg/l	
☐ Other:			

NF, A-H_2SO_4			
☐ Nitrate-N +, Nitrate-N total (00630)		mg/l	
☐ Ammonia-N total (00610)		mg/l	
☐ Total Kjeldahl-N ( )		mg/l	
☐ Chemical oxygen demand (00340)		mg/l	
☐ Total organic carbon ( )		mg/l	
☐ Other:			
☐ Other:			

F, A-H_2SO_4			
☒ Nitrate-N +, Nitrate-N dissolved (00631)	0.23	mg/l	8/23
☒ Ammonia-N dissolved (00608)	< 0.1	mg/l	8/26
☒ Total Kjeldahl-N ( )	< 0.1	mg/l	8/27
☐ Other:			

Analyst | Date Reported: 8/27/85 | Reviewed by:

Laboratory remarks:

SLD 726 (12/84) *DISTRIBUTION:* WHITE — EID, GW&HW Bureau CANARY — WS System PINK — EID Local Office GOLDENROD — SLD