



SCIENTIFIC LABORATORY DIVISION
700 Camino de Salud NE
Albuquerque, NM 87106 (505) 841-2555

GENERAL WATER CHEMISTRY
and NITROGEN ANALYSIS

DATE RECEIVED: 8/12/85	LAB NO: 3994	USER CODE: ☐ 59300 ☐ 59600 ☒ OTHER: 82235
Collection DATE: 8/8/85	SITE INFORMATION:	Sample location: OWEN RANCH CORRAL FAUCET
Collection TIME: 1010		Collection site description: WELL TO T.O. - HORSE RANCH. WATER TASTES MUSTY. PUMP CONNECTIONS COATED WITH WHITE SCALE
Collected by: Person/Agency: BAILEY/DCD		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 ☐ Dipped	☐ Pump ☒ Tap	Water level: 16'	Discharge: 200 gpm	Sample type:
pH (00400): 6.97	Conductivity (Uncorrected): 710 μ mho	Water Temp: (00010): 22 °C	Conductivity at 25 °C (00094): μ mho	
Field comments: SEPTIC FIELD > 300' DOWNGRADIENT. COMPLAINS OF SULFUR SMELL. O/G WELL BEING DRILLED 1/4 MI UPGRAADIENT. 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 μ m membrane filter	☒ A: 2 ml H ₂ SO ₄ /L added
☐ NA: No acid added. ☐ Other-specify:			

ANALYTICAL RESULTS from SAMPLES:

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

Laboratory remarks