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**GENERAL WATER CHEMISTRY
and NITROGEN ANALYSIS**

DATE RECEIVED <u>8/2/85</u>	LAB NO. <u>HM-143m</u>	USER CODE ☐ 59300 ☐ 59600 ☒ OTHER: 82235
Collection DATE <u>8/8/85</u>	SITE INFORMATION	Sample location <u>OWEN RANCH CORRAL FAUCET</u>
Collection TIME <u>1010</u>		Collection site description <u>WELL 70' T.O. - HORSE RANCH. WATER TASTES MUSTY; PUMP CONNECTIONS COATED WITH WHITE SCALG</u>
Collected by — Person/Agency <u>BAILEY/DCO</u>		<u>CORRAL FAUCET CLOSEST TO WELL</u>
SEND FINAL REPORT TO ENVIRONMENTAL BUREAU NM OIL CONSERVATION DIVISION State Land Office Bldg, PO Box 2088 Santa Fe, NM 87501 Attn: <u>David Boyer</u>		<u>GALISTEO CREEK AREA</u>
		Station/well code
		Owner

SAMPLING CONDITIONS

☐ Bailed ☐ Dipped	☐ Pump ☒ Tap	Water level <u>16'</u>	Discharge <u>200 gpm</u>	Sample type
pH (00400) <u>6.97</u>	Conductivity (Uncorrected) <u>710</u> μ mho	Water Temp. (00010) <u>22</u> °C	Conductivity at 25°C (00094) <u> </u> μ mho	

Field comments: SEPTIC FIELD > 300' DOWNGRAIENT. COMPLAINS OF SULFUR SMELL. O/G WELL BEING DRILLED 1/4 mi UPSRAIENT - LINED PITS

SAMPLE FIELD TREATMENT — Check proper boxes

No. of samples submitted <u>1</u>	☐ NF: Whole sample (Non-filtered)	☒ F: Filtered in field with 0.45 μ m membrane filter	☐ A: <u>4 ml</u> H_2SO_4 /L added <u>HNO_3</u>
☐ NA: No acid added ☐ Other-specify: <u> </u>			

ANALYTICAL RESULTS from SAMPLES

NF-NA	F, A HNO_3	Units	Date analyzed	F, NA	Units	Date analyzed
☐ Conductivity (Corrected) 25°C (00095) <u> </u> μ mho				☐ Calcium (00915) <u> </u> mg/l		
☐ Total non-filterable residue (suspended) (00530) <u> </u> mg/l				☐ Magnesium (00925) <u> </u> mg/l		
☒ Other: <u>ICAP SCAN</u>				☐ Sodium (00930) <u> </u> mg/l		
☐ Other: <u> </u>				☐ Potassium (00935) <u> </u> mg/l		
☐ Other: <u> </u>				☐ Bicarbonate (00440) <u> </u> mg/l		
				☐ Chloride (00940) <u> </u> mg/l		
				☐ Sulfate (00945) <u> </u> mg/l		
				☐ Total filterable residue (dissolved) (70300) <u> </u> mg/l		
				☐ Other: <u> </u>		
NF, A- H_2SO_4				F, A- H_2SO_4		
☐ Nitrate-N + Nitrate-N total (00630) <u> </u> mg/l				☐ Nitrate-N +, Nitrate-N dissolved (00631) <u> </u> mg/l		
☐ Ammonia-N total (00610) <u> </u> mg/l				☐ Ammonia-N dissolved (00608) <u> </u> mg/l		
☐ Total Kjeldahl-N () <u> </u> mg/l				☐ Total Kjeldahl-N () <u> </u> mg/l		
☐ Chemical oxygen demand (00340) <u> </u> mg/l				☐ Other: <u> </u>		
☐ Total organic carbon () <u> </u> mg/l						
☐ Other: <u> </u>						
☐ Other: <u> </u>						
Laboratory remarks				Analyst	Date Reported <u>8/26/85</u>	Reviewed by <u>Jim Bailey</u>

ICAP - SCREEN

Lab Number: HM1437

Date Submitted: 8/12/85

By: Bailey

Sample Code: Owen Ranch Corral
Faucet

Date Reported: 8/26/85

By: Jim Bailey

Date Analyzed: 8/21/85

Determination

Concentration (µg/ml)

Aluminum	<u><0.1</u>
Barium	<u><0.1</u>
Beryllium	<u><0.1</u>
Boron	<u>0.2</u>
Cadmium	<u><0.1</u>
Calcium	<u>120.</u>
Chromium	<u><0.1</u>
Cobalt	<u><0.1</u>
Copper	<u><0.1</u>
Iron	<u><0.1</u>
Lead	<u><0.1</u>
Magnesium	<u>42.</u>
Manganese	<u><0.05</u>
Molybdenum	<u><0.1</u>
Nickel	<u><0.1</u>
Silicon	<u>10.</u>
Silver	<u><0.1</u>
Strontium	<u>1.6</u>
Tin	<u><0.1</u>
Vanadium	<u><0.1</u>
Yttrium	<u><0.1</u>
Zinc	<u><0.1</u>

ATOMIC ABSORPTION ANALYSES

Determination

Concentration (µg/ml)

Arsenic	<u> </u>
Selenium	<u> </u>
Mercury	<u> </u>