



New Mexico Health and Environment Department
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.	WC-3993	USER CODE	☐ 59300 ☐ 59600 ☒ OTHER: 82235
Collection DATE	8/8/85	SITE INFORMATION	Sample location: OWEN RANCH CORRAL FAUCET		
Collection TIME	1010	Collect site description	WELL 70' T.O. - HORSE RANCH WATER TASTES MUSTY - PUMP CONNECTIONS COATED WITH WHITE SCALE		
Collected by - Person/Agency	BAILEY/DCJ				

ENVIRONMENTAL BUREAU
NM OIL CONSERVATION DIVISION
State Land Office Bldg., P.O. Box 2088
Santa Fe, NM 87501

RECEIVED
SEP 06 1985

CORRAL FAUCET CLOSEST TO WELL

SALISTEO CREEK AREA

SEND
FINAL
REPORT
TO

Attn: David Boyer

OIL CONSERVATION DIVISION
SANTA FE

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' DOWNGRAIENT. COMPLAINS OF SULFUR SMELL. O/G WELL BEING DRILLED 1/4 MI UPGRAIENT - 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 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 (00915)	117.6 mg/l	8/27
☐ Total non-filterable residue (suspended) (00530)	mg/l		☒ Magnesium (00925)	62.5 mg/l	"
☐ Other:			☒ Sodium (00930)	138.0 mg/l	8-13
☐ Other:			☒ Potassium (00935)	39.0 mg/l	8-13
☐ Other:			☒ Bicarbonate (00440)	242 mg/l	8/26
			☒ Chloride (00940)	19.9 mg/l	8/27
			☒ Sulfate (00945)	515 mg/l	8/27
			☒ Total filterable residue (dissolved) (70300)	1088 mg/l	8/27
			☒ Other: CO ₂	Now	
NF, A-H ₂ SO ₄			☒ F	1.07	8/20
☐ Nitrate-N +, Nitrate-N total (00630)	mg/l		F, A-H ₂ SO ₄		
☐ Ammonia-N total (00610)	mg/l		☐ Nitrate-N +, Nitrate-N dissolved (00631)	mg/l	
☐ Total Kjeldahl-N ()	mg/l		☐ Ammonia-N dissolved (00608)	mg/l	
☐ Chemical oxygen demand (00340)	mg/l		☐ Total Kjeldahl-N ()	mg/l	
☐ Total organic carbon ()	mg/l		☐ Other:		
☐ Other:			Analyst	Date Reported	Reviewed by
☐ Other:				8/28/85	C. Dean

Laboratory remarks