3R - 249

REPORTS

(ANALYSES)

DATE:

1989 - 1982

774 WPA

SCIENTIFIC LABORATORY DIVISION

ORGANIC ANALYSIS REQUEST FORM

Organic Section - Phone: 841-2570

OR89-2064-C

REPORT TO: Neil Williams
EID, GWB/DWS
1190 St. Francis
S.F., NM 87503

S.L.D. No. OR- 2064
DATE REC. 12/28/89
PRIORITY 1, 5
PHONE(S): 827 0166

COLLECTION CITY: Flora Vista ; COUNTY: San Juan

COLLECTION DATE/TIME CODE: (Year-Month-Day-Hour-Minute) 8 9 1 2 2 8 0 9 4 5

LOCATION CODE: (Township-Ranges-Section-Tracts) (10N06E24342)

USER CODE: 5 1 5 1 4 1 2 1 0 SUBMITTER: N. W. CODE:

SAMPLE TYPE: WATER [X], SOIL [ ], FOOD [ ], OTHER:

This form accompanies 2 Septum Vials, ____ Glass Jugs, and/or ____

RECEIVED
JAN 24 1990
DRINKING WATER SECTION

Samples were preserved as follows:

- [ ] None: No Preservation; Sample stored at room temperature.
- [ ] Ice: Sample stored in an ice bath (Not Frozen).
- [ ] P-AA: Sample Preserved with Ascorbic Acid to remove chlorine residual.
- [X] P-HCl: Sample Preserved with Hydrochloric Acid (2 drops/40 ml)

ANALYSES REQUESTED: Please check the appropriate box(es) below to indicate the type of analytical screens required. Whenever possible list specific compounds suspected or required.

PURGEABLE SCREENS

- [ ] (753) Aliphatic Headspace (1-5 Carbons)
- [ ] (754) Aromatic & Halogenated Purgeables
- [ ] (765) Mass Spectrometer Purgeables
- [ ] (766) Trihalomethanes
- [X] (774) SDWA VOC's I (8 Regulated +)
- [ ] (775) SDWA VOC's II (EDB & DBCP)

Other Specific Compounds or Classes

- [ ] _____
- [ ] _____

EXTRACTABLE SCREENS

- [ ] (751) Aliphatic Hydrocarbons
- [ ] (755) Base/Neutral Extractables
- [ ] (758) Herbicides, Chlorophenoxy acids
- [ ] (759) Herbicides, Triazines
- [ ] (760) Organochlorine Pesticides
- [ ] (761) Organophosphate Pesticides
- [ ] (767) Polychlorinated Biphenyls (PCB's)
- [ ] (764) Polynuclear Aromatic Hydrocarbons
- [ ] (762) SDWA Pesticides & Herbicides

FEB 8 1990
RECEIVED
OIL CONSERVATION DIVISION

Remarks: _____

FIELD DATA:

pH=_____; Conductivity=_____umho/cm at _____°C; Chlorine Residual=_____mg/l

Dissolved Oxygen=_____mg/l; Alkalinity=_____mg/l; Flow Rate_____ ____/____

Depth to water _____ft.; Depth of well_____ft.; Perforation Interval ____-____ft.; Casing:_____

Sampling Location, Methods and Remarks (i.e. odors, etc.)

EV #1

I certify that the results in this block accurately reflect the results of my field analyses, observations and activities.(signature collector): Neil Williams Method of Shipment to the Lab: hand

CHAIN OF CUSTODY

I certify that this sample was transferred from _____ to _____

at (location) _____ on ____/____/____ - ____:____ and that

the statements in this block are correct. Evidentiary Seals: Not Sealed [ ] OR Seals Intact: Yes [ ] No [ ]

Signatures _____ _____

STATE OF NEW MEXICO HEALTH AND ENVIRONMENT DEPARTMENT
SCIENTIFIC LABORATORY DIVISION
700 Camino de Salud, NE
Albuquerque, NM 87106 [505]-841-2500
ORGANIC CHEMISTRY SECTION [505]-841-2570

January 17, 1990

ANALYTICAL REPORT
SLD Accession No. OR-89-2064

Distribution
(▒) User
(■) Submitter
(▒) Client
(▒) SLD Files

To: EID Field Office, Farmington
724 W. Animas
Farmington, NM 87401

From: Organic Chemistry Section
Scientific Laboratory Div.
700 Camino de Salud, NE
Albuquerque, NM 87106

Re: **A purgeable water sample submitted to this laboratory on December 29, 1989**

User:
EID-Drinking Water Section
Room South 2058
1190 St. Francis Dr.
Santa Fe, NM 87503

Client:
Flora Vista Water Users Association
P.O. Box 171
Flora Vista, NM 87415

DEMOGRAPHIC DATA

COLLECTION
On: 28-Dec-89 *By:* Wil . . .
At: 9:45 hrs. *In/Near:* Flora Vista

LOCATION
WSS #: 100-24;
Flora Vista Water Users Association

ANALYTICAL RESULTS: SDWA VOC's I Screen

Parameter	Value	Note	MDL	Units
Halogenated Purgeables (33)	0.00	N	0.50	ppb
Acetone	8000.00		0.50	ppb

See Laboratory Remarks for Additional Information

Notations & Comments:

MDL = Minimal Detectable Level.

A = Approximate Value; N = None Detected above Detection Limit; P = Compound Present, but not quantified; T = Trace (<Detection Limit); U = Compound Identity Not Confirmed.

Evidentiary Seals: Not Sealed [X]; Intact: No [ ], Yes [ ] & Broken By: _____ Date: _____

Laboratory Remarks: FV #1
Results confirmed by GC/MS.

Analyst: _____ 12-29-89 Reviewed By: _____ 1/16/90

Steve R. Davis — Analyst, Organic Chemistry — Analysis Date

Richard F. Meyerhein 01/16/90 — Supervisor, Organic Chemistry Section

755 Wex

SCIENTIFIC LABORATORY DIVISION
ORGANIC ANALYSIS REQUEST FORM
Organic Section - Phone: 841-2570

OR89-2057-C

REPORT TO: Neil Williams
EID, GWB/DWS
1190 St. Francis Dr.
SF, NM 87503

S.L.D. No. OR- 2057
DATE REC. 12/28/89
PRIORITY 1.5
PHONE(S): 827-0166

COLLECTION CITY: Flora Vista ; COUNTY: San Juan

COLLECTION DATE/TIME CODE: (Year-Month-Day-Hour-Minute) 8 9 1 2 2 8 1 | | | |

LOCATION CODE: (Township-Range-Section-Tracts) | | | + | | | + | | + | | | | (10N06E24342)

USER CODE: 5 5 4 2 0 SUBMITTER: N W CODE: | | |

SAMPLE TYPE: WATER [X], SOIL [ ], FOOD [ ], OTHER: _____

This form accompanies ____ Septum Vials, 2 Glass Jugs, and/or ____ samples were preserved as follows:

RECEIVED
FEB 22 1990
DRINKING WATER SECTION

- [ ] NP: No Preservation; Sample stored at room temperature.
- [X] P-Ice: Sample stored in an ice bath (Not Frozen).
- [ ] P-AA: Sample Preserved with Ascorbic Acid to remove chlorine residual.
- [ ] P-HCl: Sample Preserved with Hydrochloric Acid (2 drops/40 ml)

ANALYSES REQUESTED: Please check the appropriate box(es) below to indicate the type of analytical screens required. Whenever possible list specific compounds suspected or required.

PURGEABLE SCREENS

- [ ] (753) Aliphatic Headspace (1-5 Carbons)
- [ ] (754) Aromatic & Halogenated Purgeables
- [ ] (765) Mass Spectrometer Purgeables
- [ ] (766) Trihalomethanes
- [ ] (774) SDWA VOC's I (8 Regulated +)
- [ ] (775) SDWA VOC's II (EDB & DBCP)

Other Specific Compounds or Classes

- [ ] _____
- [ ] _____

EXTRACTABLE SCREENS

- [ ] (751) Aliphatic Hydrocarbons
- [X] (755) Base/Neutral Extractables
- [ ] (758) Herbicides, Chlorophenoxy acid
- [ ] (759) Herbicides, Triazines
- [ ] (760) Organochlorine Pesticides
- [ ] (761) Organophosphate Pesticides
- [ ] (767) Polychlorinated Biphenyls (PCB's)
- [ ] (764) Polynuclear Aromatic Hydrocarbons
- [ ] (762) SDWA Pesticides & Herbicides

Remarks: FU # 1

FIELD DATA:

pH=_____; Conductivity=_____umho/cm at _____°C; Chlorine Residual=_____mg/l

Dissolved Oxygen=_____mg/l; Alkalinity=_____mg/l; Flow Rate_____ ____/____

Depth to water _____ft.; Depth of well_____ft.; Perforation Interval ____-____ft.; Casing:_____

Sampling Location, Methods and Remarks (i.e. odors, etc.)

FU # 1

I certify that the results in this block accurately reflect the results of my field analyses, observations and activities.(signature collector): Neil Williams Method of Shipment to the Lab: hand

CHAIN OF CUSTODY

I certify that this sample was transferred from _____ to _____

at (location) _____ on ____/____/____ - ____:____ and that

the statements in this block are correct. Evidentiary Seals: Not Sealed [ ] OR Seals Intact: Yes [ ] No [ ]

Signatures _____ _____

STATE OF NEW MEXICO HEALTH AND ENVIRONMENT DEPARTMENT
SCIENTIFIC LABORATORY DIVISION
700 Camino de Salud, NE
Albuquerque, NM 87106 [505]-841-2500
ORGANIC CHEMISTRY SECTION [505]-841-2570

January 24, 1990

ANALYTICAL REPORT
SLD Accession No. OR-89-2057

Distribution
(■) Submitter
(▩) SLD Files

To: Ground Water Bureau
Environmental Improvement Division
1190 St. Francis Dr.
Santa Fe, 87503

From: Organic Chemistry Section
Scientific Laboratory Div.
700 Camino de Salud, NE
Albuquerque, NM 87106

Re: **An extractable water sample submitted to this laboratory on December 29, 1989**

DEMOGRAPHIC DATA

COLLECTION
On: 28-Dec-89 *By:* Wil . . .
At: 0:00 hrs. *In/Near:* Flora Vista

LOCATION

ANALYTICAL RESULTS: Base/Neutral Extractable Screen

Parameter	Value	Note	MDL	Units
Base/Neutral Extractables	0.00	N	10.00	ppb

Notations & Comments:

MDL = Minimal Detectable Level.

A = Approximate Value; N = None Detected above Detection Limit; P = Compound Present, but not quantified; T = Trace (<Detection Limit); U = Compound Identity Not Confirmed.

Evidentiary Seals: Not Sealed [X]; Intact: No [ ], Yes [ ] & Broken By: _____ Date: _____

Laboratory Remarks: FV #1

Analyst: M J Owen 1-22-90
Michael J. Owen — Analysis Date
Analyst, Organic Chemistry

Reviewed By: R Meyerhein
Richard F. Meyerhein 01/24/90
Supervisor, Organic Chemistry Section

Inter-Mountain
Laboratories, Inc.

2506 West Main Street
Farmington, New Mexico 87401
Tel. (505) 326-4737

CLIENT: OCD
SITE: FV #2
LAB NO: F3705
Analysis Requested: Purgeable aromatics in water.

DATE REPORTED: 12/29/89
DATE ANALYZED: 12/29/89
DATE RECEIVED: 12/22/89
DATE COLLECTED: N/A

Parameter	Concentration	Units
Benzene	ND (1.0)	ug/l
Toluene	ND (1.0)	ug/l
Ethylbenzene	ND (1.0)	ug/l
m,p-Xylene	ND (1.0)	ug/l
o-Xylene	ND (1.0)	ug/l

Method:
8020 Aromatic Volatile Organics, SW-846, USEPA (1982)
602 Purgeable Aromatics, 40 CFR, Part 136

(Detection limit in parenthesis.)
ND - Parameter not detected at the stated detection limit.

C. Neal Schaeffer
Senior Chemist

Inter·Mountain
Laboratories, Inc.

2506 West Main Street
Farmington, New Mexico 87401
Tel. (505) 326-4737

CLIENT: OCD
SITE: FV #5
LAB NO: F3706
Analysis Requested: Purgeable aromatics in water.

DATE REPORTED: 12/29/89
DATE ANALYZED: 12/29/89
DATE RECEIVED: 12/22/89
DATE COLLECTED: N/A

Parameter	Concentration	Units
Benzene	ND (1.0)	ug/l
Toluene	ND (1.0)	ug/l
Ethylbenzene	ND (1.0)	ug/l
m,p-Xylene	ND (1.0)	ug/l
o-Xylene	ND (1.0)	ug/l

Method:
8020 Aromatic Volatile Organics, SW-846, USEPA (1982)
602 Purgeable Aromatics, 40 CFR, Part 136

(Detection limit in parenthesis.)
ND - Parameter not detected at the stated detection limit.

C. Neal Schaeffer
Senior Chemist

Inter·Mountain
Laboratories, Inc.

2506 West Main Street
Farmington, New Mexico 87401
Tel. (505) 326-4737

CLIENT: OCD — DATE REPORTED: 12/29/89
DATE ANALYZED: 12/29/89
SITE: FV #6 — DATE RECEIVED: 12/22/89
LAB NO: F3707 — DATE COLLECTED: N/A
Analysis Requested: Purgeable aromatics in water.

Parameter	Concentration	Units
Benzene	ND (1.0)	ug/l
Toluene	ND (1.0)	ug/l
Ethylbenzene	ND (1.0)	ug/l
m,p-Xylene	ND (1.0)	ug/l
o-Xylene	ND (1.0)	ug/l

Method:
8020 Aromatic Volatile Organics, SW-846, USEPA (1982)
602 Purgeable Aromatics, 40 CFR, Part 136

(Detection limit in parenthesis.)
ND - Parameter not detected at the stated detection limit.

C. Neal Schaeffer
Senior Chemist

774 Wpu

SCIENTIFIC LABORATORY DIVISION

ORGANIC ANALYSIS REQUEST FORM

Organic Section - Phone: 841-2570

OR89-2063-C

REPORT TO: Neil Williams
EID, GWB/DWS
1190 St. Francis
SF, NM 87503

S.L.D. No. OR- 2063
DATE REC. 12/28/89
PRIORITY 1.5
PHONE(S): 827-0166

COLLECTION CITY: Flora Vista ; COUNTY: San Juan

COLLECTION DATE/TIME CODE: (Year-Month-Day-Hour-Minute) 89 | 12 | 28 | 1210

LOCATION CODE: (Township-Range-Section-Tracts) | | | + | | | + | | + | | | (10N06E24342)

USER CODE: 5151 4210 SUBMITTER: NW CODE:

SAMPLE TYPE: WATER [X], SOIL [ ], FOOD [ ], OTHER:

This form accompanies 2 Septum Vials, ____ Glass Jugs, and/or ____

Samples were preserved as follows:

- [ ] N-P: No Preservation; Sample stored at room temperature.
- [ ] I-Ice Sample stored in an ice bath (Not Frozen).
- [ ] A-AA Sample Preserved with Ascorbic Acid to remove chlorine residual.
- [X] H-HCl Sample Preserved with Hydrochloric Acid (2 drops/40 ml)

RECEIVED
JAN 24 1990
DWS SECTION
90 FEB 8 AM 8 45
RECEIVED
NOISIVIG LABORATORY DIVISION

ANALYSES REQUESTED: Please check the appropriate box(es) below to indicate the type of analytical screens required. Whenever possible list specific compounds suspected or required.

PURGEABLE SCREENS

- [ ] (753) Aliphatic Headspace (1-5 Carbons)
- [ ] (754) Aromatic & Halogenated Purgeables
- [ ] (765) Mass Spectrometer Purgeables
- [ ] (766) Trihalomethanes
- [X] (774) SDWA VOC's I (8 Regulated +)
- [ ] (775) SDWA VOC's II (EDB & DBCP)

Other Specific Compounds or Classes

- [ ] _____
- [ ] _____

EXTRACTABLE SCREENS

- [ ] (751) Aliphatic Hydrocarbons
- [ ] (755) Base/Neutral Extractables
- [ ] (758) Herbicides, Chlorophenoxy acid
- [ ] (759) Herbicides, Triazines
- [ ] (760) Organochlorine Pesticides
- [ ] (761) Organophosphate Pesticides
- [ ] (767) Polychlorinated Biphenyls (PCB's)
- [ ] (764) Polynuclear Aromatic Hydrocarbons
- [ ] (762) SDWA Pesticides & Herbicides

Remarks: _____

FIELD DATA:

pH=_____; Conductivity=_____umho/cm at _____°C; Chlorine Residual=_____mg/l

Dissolved Oxygen=_____mg/l; Alkalinity=_____mg/l; Flow Rate_____ ____/____

Depth to water _____ft.; Depth of well_____ft.; Perforation Interval ____-____ft.; Casing:_____

Sampling Location, Methods and Remarks (i.e. odors, etc.)

EI # 2

I certify that the results in this block accurately reflect the results of my field analyses, observations and activities.(signature collector): Neil Williams Method of Shipment to the Lab: hand

CHAIN OF CUSTODY

I certify that this sample was transferred from _____ to _____

at (location) _____ on ____/____/____ - ____:____ and that the statements in this block are correct. Evidentiary Seals: Not Sealed [ ] OR Seals Intact: Yes [ ] No [ ]

Signatures _____ _____

STATE OF NEW MEXICO HEALTH AND ENVIRONMENT DEPARTMENT

SCIENTIFIC LABORATORY DIVISION

700 Camino de Salud, NE
Albuquerque, NM 87106 [505]-841-2500
ORGANIC CHEMISTRY SECTION [505]-841-2570

January 17, 1990

ANALYTICAL REPORT
SLD Accession No. OR-89-2063

Distribution
(X) User
(X) Submitter
(X) Client
(X) SLD Files

To: EID Field Office, Farmington
724 W. Animas
Farmington, NM 87401

From: Organic Chemistry Section
Scientific Laboratory Div.
700 Camino de Salud, NE
Albuquerque, NM 87106

Re: **A purgeable water sample submitted to this laboratory on December 29, 1989**

User:
EID-Drinking Water Section
Room South 2058
1190 St. Francis Dr.
Santa Fe, NM 87503

Client:
Flora Vista Water Users Association
P.O. Box 171
Flora Vista, NM 87415

DEMOGRAPHIC DATA

COLLECTION
On: 28-Dec-89 *By:* Wil . . .
At: 12:00 hrs. *In/Near:* Flora Vista

LOCATION
WSS #: 100-24;
Flora Vista Water Users Association

ANALYTICAL RESULTS: SDWA VOC's I Screen

Parameter	Value	Note	MDL	Units
Halogenated Purgeables (33)	0.00	N	0.50	ppb
Aromatic Purgeables (6)	0.00	N	0.50	ppb

Notations & Comments:

MDL = Minimal Detectable Level.

A = Approximate Value; N = None Detected above Detection Limit; P = Compound Present, but not quantified; T = Trace (<Detection Limit); U = Compound Identity Not Confirmed.

Evidentiary Seals: Not Sealed [X]; Intact: No [ ], Yes [ ] & Broken By: _____ Date: _____

Laboratory Remarks: FV #2

Analyst: _____ 12-29-89 Reviewed By: _____ 01/16/90
Steve R. Davis — Analyst, Organic Chemistry — Analysis Date
Richard F. Meyerhein — Supervisor, Organic Chemistry Section

755 Wex

SCIENTIFIC LABORATORY DIVISION

ORGANIC ANALYSIS REQUEST FORM

Organic Section - Phone: 841-2570

OR89-2056-C

REPORT TO: Neil Williams
EID, GWB/DWS
1190 St. Francis
SF, NM 87503

S.L.D. No. OR- 2056
DATE REC. 12/28/89
PRIORITY 1.5
PHONE(S): 827-0166

COLLECTION CITY: _____; COUNTY: San Juan

COLLECTION DATE/TIME CODE: (Year-Month-Day-Hour-Minute) |8|9|1|2|2|8|1|2|0|0|

LOCATION CODE: (Township-Range-Section-Tracts) | | | + | | + | + | | | (10N06E24342)

USER CODE: |5|5|4|2|0| SUBMITTER: NW CODE: | | |

SAMPLE TYPE: WATER [X], SOIL [ ], FOOD [ ], OTHER: _____

This form accompanies ____ Septum Vials, 2 Glass Jugs, and/or ____ _____

RECEIVED
FEB 22 1990
DRINKING WATER SECTION

Samples were preserved as follows:

- [X] NP: No Preservation; Sample stored at room temperature.
- [X] P-Ice Sample stored in an ice bath (Not Frozen).
- [ ] P-AA Sample Preserved with Ascorbic Acid to remove chlorine residual.
- [ ] P-HCl Sample Preserved with Hydrochloric Acid (2 drops/40 ml)

ANALYSES REQUESTED: Please check the appropriate box(es) below to indicate the type of analytical screens required. Whenever possible list specific compounds suspected or required.

PURGEABLE SCREENS

- [ ] (753) Aliphatic Headspace (1-5 Carbons)
- [ ] (754) Aromatic & Halogenated Purgeables
- [ ] (765) Mass Spectrometer Purgeables
- [ ] (766) Trihalomethanes
- [ ] (774) SDWA VOC's I (8 Regulated +)
- [ ] (775) SDWA VOC's II (EDB & DBCP)

Other Specific Compounds or Classes

- [ ] _____
- [ ] _____

EXTRACTABLE SCREENS

- [ ] (751) Aliphatic Hydrocarbons
- [X] (755) Base/Neutral Extractables
- [ ] (758) Herbicides, Chlorophenoxy acid
- [ ] (759) Herbicides, Triazines
- [ ] (760) Organochlorine Pesticides
- [ ] (761) Organophosphate Pesticides
- [ ] (767) Polychlorinated Biphenyls (PCB's)
- [ ] (764) Polynuclear Aromatic Hydrocarbons
- [ ] (762) SDWA Pesticides & Herbicides

Remarks: _____

FIELD DATA:

pH=_____; Conductivity=_____umho/cm at _____°C; Chlorine Residual=_____mg/l

Dissolved Oxygen=_____mg/l; Alkalinity=_____mg/l; Flow Rate_____ ____/____

Depth to water _____ft.; Depth of well_____ft.; Perforation Interval _____-____ft.; Casing:_____

Sampling Location, Methods and Remarks (i.e. odors, etc.)

FV # 2

I certify that the results in this block accurately reflect the results of my field analyses, observations and activities.(signature collector): Neil Williams Method of Shipment to the Lab: hand

CHAIN OF CUSTODY

I certify that this sample was transferred from _____ to _____

at (location) _____ on ____/____/____ - ____:____ and that the statements in this block are correct. Evidentiary Seals: Not Sealed [ ] OR Seals Intact: Yes [ ] No [ ]

Signatures _____ _____

STATE OF NEW MEXICO HEALTH AND ENVIRONMENT DEPARTMENT
SCIENTIFIC LABORATORY DIVISION
700 Camino de Salud, NE
Albuquerque, NM 87106 [505]-841-2500
ORGANIC CHEMISTRY SECTION [505]-841-2570

January 24, 1990

ANALYTICAL REPORT
SLD Accession No. OR-89-2056

Distribution
(■) Submitter
(▩) SLD Files

To: Ground Water Bureau
Environmental Improvement Division
1190 St. Francis Dr.
Santa Fe, 87503

From: Organic Chemistry Section
Scientific Laboratory Div.
700 Camino de Salud, NE
Albuquerque, NM 87106

Re: **An extractable water sample submitted to this laboratory on December 29, 1989**

DEMOGRAPHIC DATA

COLLECTION

On: 28-Dec-89 *By:* Wil . . .
At: 12:00 hrs. *In/Near:* Flora Vista

LOCATION

ANALYTICAL RESULTS: Base/Neutral Extractable Screen

Parameter	Value	Note	MDL	Units
Base/Neutral Extractables	0.00	N	10.00	ppb

Notations & Comments:

MDL = Minimal Detectable Level.

A = Approximate Value; N = None Detected above Detection Limit; P = Compound Present, but not quantified;
T = Trace (<Detection Limit); U = Compound Identity Not Confirmed.

Evidentiary Seals: Not Sealed [X]; Intact: No [ ], Yes [ ] & Broken By: _____ Date: _____

Laboratory Remarks: FV #2

Analyst: M J. Owen 1-22-90 **Reviewed By:** R Meyerhein

Michael J. Owen — *Analyst, Organic Chemistry*
Analysis Date: 1-22-90
Richard F. Meyerhein 01/24/90 — *Supervisor, Organic Chemistry Section*

State of New Mexico
HEALTH and ENVIRONMENT DEPARTMENT
SCIENTIFIC
LABORATORY DIVISION

CHEMICAL and PHYSICAL ANALYSES for WATER SAMPLES

1-25-90 U WN

Date received	Lab No.	SLD user code No.
~~12/28/89~~	WC 128	55420

FOR PROPER PRESERVATION OF SAMPLES, CONSULT DEFINITIONS ON REVERSE. TYPE OR PRINT WITH BALL POINT PEN.

CHEMICAL ANALYSES: *Check individual items for analysis [Mark appropriate box(es)]*

INTERIM PRIMARY PARAMETER GROUP: ☐ 1 ☐ 2 ☐ 3

TYPE of CHEMICAL ANALYSIS: ☒ Complete Secondary ☐ Organic ☐ Radiological

Water Supply System Name	Water Supply System Code No.	City or Location	County	Check one:
Flora Vista	100 - 24	Flora Vista	San Juan	☐ TREATED WATER ☒ RAW WATER

Collection Date	Collection Time	Collection Point	Collector's remarks	Report to
12/28/89	12:00	FV #2	N.F./N.A.	Neil Williams

Collected By	Owner	Address
NW	FVWUA	E.I.P. 1190 St. Francis SF, NM 87503

TYPE of SYSTEM (Check one): ☐ PRIVATE PUBLIC: ☒ Community ☐ Non-community

SOURCE: ☐ Spring ☐ Lake ☒ Well-Depth ☐ Drain ☐ Stream ☐ Pool ☐ Other (specify)

LAT. ° ' "

LONG ° ' "

CATIONS	mg/l	ANIONS	mg/l	PHYSICAL		HEAVY METALS	mg/l	PARAMETER		ORGANIC	mg/l
00930 Sodium (as Na)	38	00940 Chloride (as Cl)	164	70300 Total Filterable Residue	608	01000 Arsenic				39390 Endrin	
00935 Potassium (as K)	3	00950 Fluoride (as F)		38260 Foaming Agents (as Las)	<0.05	01005 Barium				39732 Lindane	
00900 Tot. Hardness (as $CaCO_3$)	465	00620 Nitrate (as N)		00095 Conductance Micromhos 25°C	831	01025 Cadmium				38270 Methoxychlor	
00915 Calcium (as Ca)	152	00430 Alkalinity (as $CaCO_3$)	172	00400 pH	7.51	01030 Chromium		RADIOLOGICAL pCi/l 01501 Gross Alpha		39400 Toxaphene	
00925 Magnesium (as Mg)	20.7	00440 Bicarbonate (as HCO_3)	210	01330 Odor	none	01049 Lead		03501 Gross Beta	pCi/l	39730 2, 4-D	
01045 Iron-Total (as Fe)		00445 Carbonate (as CO_3)	0	00080 Color	0 mg/l	07180 Mercury		09501 Radium-226	pCi/l	39720 2, 4, 5-TP (Silvex)	
01056 Manganese (as Mn)		00945 Sulfate (as SO_4)	206	00070 Turbidity *	0.38	01145 Selenium		11501 Radium-228	pCi/l		
						01075 Silver					

RECEIVED
FEB 15 1990
DRINKING WATER SECTION

LABORATORY REMARKS:
* sediment present

Reviewed by CQ

Date reported 2/8/90

SLD 702 Form Rev. 9/84

DISTRIBUTION: White - Water Supply Regulation, SF • Canary - WS System • Pink - EIA Regional Office • Goldenrod - SLD Lab

State of New Mexico
HEALTH and ENVIRONMENT DEPARTMENT
SCIENTIFIC LABORATORY DIVISION

CHEMICAL and PHYSICAL ANALYSES for WATER SAMPLES

1-23-90 720

Date received	Lab No.	SLD user code No.
~~12/28/89~~	NM 0049	55420

FOR PROPER PRESERVATION OF SAMPLES, CONSULT DEFINITIONS ON REVERSE. TYPE OR PRINT WITH BALL POINT PEN.

CHEMICAL ANALYSES: *Check individual items for analysis [Mark appropriate box(es)]* — INTERIM PRIMARY PARAMETER GROUP: ☐ 1 ☐ 2 ☐ 3 — TYPE of CHEMICAL ANALYSIS: ☒ Complete Secondary ☐ Organic ☐ Radiological

Water Supply System Name	Water Supply System Code No.	City or Location	County	Check one:
Flora Vista	100-24	Flora Vista	San Juan	☐ TREATED WATER ☒ RAW WATER

Collection Date	Collection Time	Collection Point	Collector's remarks	Report to
12/28/89	12:00	FV #2	NF/NA	Neil Williams

Collected By	Owner	Address
NW	FVWUA	EID 1190 St. Francis SF, NM 87503

TYPE of SYSTEM *(Check one)*: ☐ PRIVATE ☐ PUBLIC: ☒ Community ☐ Non-community

SOURCE: ☐ Spring ☐ Lake ☒ Well-Depth ☐ Drain ☐ Stream ☐ Pool ☐ Other *(specify)*

LAT. ° ' "
LONG ° ' "

CATIONS	mg/l	ANIONS	mg/l	PHYSICAL		HEAVY METALS	mg/l	PARAMETER		ORGANIC	mg/l
00930 Sodium (as Na)		00940 Chloride (as Cl)		70300 Total Filterable Residue	mg/l	01000 Arsenic				39390 Endrin	
00935 Potassium (as K)		00950 Fluoride (as F)		38260 Foaming Agents (as Las)		01005 Barium				39732 Lindane	
00900 Tot.Hardness (as $CaCO_3$)		00620 Nitrate (as N)		00095 Conductance Micromhos 25°C		01025 Cadmium				38270 Methoxychlor	
00915 Calcium (as Ca)		00430 Alkalinity (as $CaCO_3$)		00400 pH		01030 Chromium		RADIOLOGICAL	pCi/l	39400 Toxaphene	
00925 Magnesium (as Mg)		00440 Bicarbonate (as HCO_3)		01330 Odor		01049 Lead		01501 Gross Alpha		39730 2, 4-D	
☒ 01045 Iron-Total (as Fe)	1.3	00445 Carbonate (as CO_3)		00080 Color	mg/l	07180 Mercury		03501 Gross Beta	pCi/l	39740 2, 4, 5-TP (Silvex)	
☒ 01056 Manganese (as Mn)	0.54	00945 Sulfate (as SO_4)		00070 Turbidity		01145 Selenium		09501 Radium-226	pCi/l		
						01075 Silver		11501 Radium-228	pCi/l		

RECEIVED FEB 22 1990 DRINKING WATER SECTION

LABORATORY REMARKS: SAMPLE IN W.C. Rejected

Reviewed by: JM

Date reported: 2/13/90

SLD 702 Form Rev. 9/84

DISTRIBUTION: White - Water Supply Regulation, SF • Canary - WS System • Pink - EIA Regional Office • Goldenrod - SLD Lab

State of New Mexico
HEALTH and ENVIRONMENT DEPARTMENT
SCIENTIFIC
LABORATORY DIVISION

CHEMICAL and PHYSICAL ANALYSES for WATER SAMPLES

720

Date received	Lab No.	SLD user code No.
1-23-90 ~~12/28/89~~	HM 0045	55420

FOR PROPER PRESERVATION OF SAMPLES, CONSULT DEFINITIONS ON REVERSE. TYPE OR PRINT WITH BALL POINT PEN.

CHEMICAL ANALYSES: *Check individual items for analysis [Mark appropriate box(es)]*

INTERIM PRIMARY PARAMETER GROUP: [X] 1 [ ] 2 [ ] 3

TYPE of CHEMICAL ANALYSIS: [ ] Complete Secondary [ ] Organic [ ] Radiological

Water Supply System Name	Water Supply System Code No.	City or Location	County	Check one:
Flora Vista	100-24		San Juan	[ ] TREATED WATER [X] RAW WATER

Collection Date	Collection Time	Collection Point	Collector's remarks	Report to
12/28/89	12:00	FV #2	NF/A: 5mL HNO3	Neil Williams

Collected By	Owner	Address
NW	FVUA	EID 87503 1190 St. Francis

TYPE of SYSTEM *(Check one)*: [ ] PRIVATE PUBLIC: [X] Community [ ] Non-community

SOURCE: [ ] Spring [ ] Lake [X] Well-Depth _____ [ ] Drain [ ] Stream [ ] Pool [ ] Other *(specify)* _____

LAT. ° ' "
LONG ° ' "

CATIONS	mg/l	ANIONS	mg/l	PHYSICAL		HEAVY METALS	mg/l	PARAMETER		ORGANIC	mg/l
00930 Sodium (as Na)		00940 Chloride (as Cl)		70300 Total Filterable Residue	mg/l	01000 Arsenic	<0.005			39390 Endrin	
00935 Potassium (as K)		00950 Fluoride (as F)		38260 Foaming Agents (as Las)		01005 Barium	<0.1			39732 Lindane	
00900 Tot.Hardness (as $CaCO_3$)		00620 Nitrate (as N)		00095 Conductance Micromhos 25°C		01025 Cadmium	<0.001			38270 Methoxychlor	
00915 Calcium (as Ca)		00430 Alkalinity (as $CaCO_3$)		00400 pH		01030 Chromium	<0.005	RADIOLOGICAL pCi/l 01501 Gross Alpha		39400 Toxaphene	
00925 Magnesium (as Mg)		00440 Bicarbonate (as HCO_3)		01330 Odor		01049 Lead	<0.005	03501 Gross Beta	pCi/l	39730 2,4-D	
01045 Iron-Total (as Fe)		00445 Carbonate (as CO_3)		00080 Color	mg/l	07180 Mercury	<0.0005	09501 Radium-226	pCi/l	39740 2,4,5-TP (Silvex)	
01056 Manganese (as Mn)		00945 Sulfate (as SO_4)		00070 Turbidity		01145 Selenium	<0.005	11501 Radium-228	pCi/l		
						01075 Silver	<0.001				

RECEIVED
FEB 22 1990
DRINKING WATER SECTION

LABORATORY REMARKS: Digest

Reviewed by: JA

Date reported: 2/13/90

SLD 702 Form Rev. 9/84

DISTRIBUTION: **White** - Water Supply Regulation, SF • **Canary** - WS System • **Pink** - EIA Regional Office • **Goldenrod** - SLD Lab

SCIENTIFIC LABORATORY DIVISION

700 Camino de Salud NE
Albuquerque, NM 87105 841-2570

1154 WPU

RECEIVED JAN 2 2 1990
OIL CONSERVATION DIVISION

OR89-2047-C

REPORT TO: David Tomko / M.W. Owen
EED / 30 MEB/8 NM 8749
724 W. Animas /
Farmington, NM 87401

S.L.D. No. OR-
DATE REC. 12/22/89
PRIORITY 1
PHONE(S): 327-9851 / 327-0166

COLLECTION CITY: Flora Vista ; COUNTY:

COLLECTION DATE/TIME CODE: (Year-Month-Day-Hour-Minute) 8912122015

LOCATION CODE: (Township-Range-Section-Tracts) 30N+12W+27+ (10N06E24342)

USER CODE: 55421 SUBMITTER: David Tomko CODE:

SAMPLE TYPE: WATER ☑, SOIL ☐, FOOD ☐, OTHER:

This form accompanies 2 Septum Vials, ____ Glass Jugs, and/or ____

Samples were preserved as follows:

- ☐ NP: No Preservation; Sample stored at room temperature.
- ☑ P-Ice Sample stored in an ice bath (Not Frozen).
- ☑ P-$Na_2S_2O_3$ Sample Preserved with Sodium Thiosulfate to remove chlorine residual.

ANALYSES REQUESTED: Please check the appropriate box(es) below to indicate the type of analytical screens required. Whenever possible list specific compounds suspected or required.

PURGEABLE SCREENS

- ☐ (753) Aliphatic Headspace (1-5 Carbons)
- ☑ (754) Aromatic & Halogenated Purgeables
- ☐ (765) Mass Spectrometer Purgeables
- ☐ (766) Trihalomethanes

Other Specific Compounds or Classes

- ☐ _____
- ☐ _____
- ☐ _____
- ☐ _____
- ☐ _____

EXTRACTABLE SCREENS

- ☐ (751) Aliphatic Hydrocarbons
- ☐ (755) Base/Neutral Extractables
- ☐ (758) Herbicides, Chlorophenoxy acid
- ☐ (759) Herbicides, Triazines
- ☐ (760) Organochlorine Pesticides
- ☐ (761) Organophosphate Pesticides
- ☐ (767) Polychlorinated Biphenyls (PCB's)
- ☐ (764) Polynuclear Aromatic Hydrocarbons
- ☐ (762) SDWA Pesticides & Herbicides

Remarks: _____

FIELD DATA:

pH=____; Conductivity=____umho/cm at ____°C; Chlorine Residual=____mg/l

Dissolved Oxygen=____mg/l; Alkalinity=____mg/l; Flow Rate____ ____/____

Depth to water 5' ft.; Depth of well 20' ft.; Perforation Interval ____-____ft.; Casing:____

Sampling Location, Methods and Remarks (i.e. odors, etc.)

Flora Vista well #2 sampled with bailer. Rinsed bailer with acetone & distilled water before sampling.

I certify that the results in this block accurately reflect the results of my field analyses, observations and activities.(signature collector): David Tomko Method of Shipment to the Lab: Mesa Courier

CHAIN OF CUSTODY

I certify that this sample was transferred from ____ to ____

at (location) ____ on ____/____/____ - ____:____ and that

the statements in this block are correct. Evidentiary Seals: Not Sealed ☐ OR Seals Intact: Yes ☐ No ☐

Signatures ____ ____

STATE OF NEW MEXICO HEALTH AND ENVIRONMENT DEPARTMENT
SCIENTIFIC LABORATORY DIVISION
700 Camino de Salud, NE
Albuquerque, NM 87106 [505]-841-2500
ORGANIC CHEMISTRY SECTION [505]-841-2570

December 27, 1989

ANALYTICAL REPORT
SLD Accession No. OR-89-2047

Distribution
(■) User
(▩) Submitter
(▩) SLD Files

To:

From: Organic Chemistry Section
Scientific Laboratory Div.
700 Camino de Salud, NE
Albuquerque, NM 87106

Re: **A purgeable water sample submitted to this laboratory on December 22, 1989**

Submitter:
EID Field Office, Farmington
724 W. Animas
Farmington, NM 87401

DEMOGRAPHIC DATA

COLLECTION

On: 22-Dec-89 *By:* Tom . . .
At: 9:45 hrs. *In/Near:* Flora Vista

LOCATION

Township: 30N *Section:* 27
Range: 12W *Tract:*

ANALYTICAL RESULTS: Aromatic & Halogenated Purgeable Screen

Parameter	Value	Note	MDL	Units
Halogenated Purgeables (33)	0.00	N	0.50	ppb
Aromatic Purgeables (6)	0.00	N	1.00	ppb

Notations & Comments:

MDL = Minimal Detectable Level.

A = Approximate Value; N = None Detected above Detection Limit; P = Compound Present, but not quantified;
T = Trace (<Detection Limit); U = Compound Identity Not Confirmed.

Evidentiary Seals: Not Sealed☒; Intact: No☐, Yes☐ & Broken By: _____ Date: _____

Laboratory Remarks: Well #2; phoned result 12/22

Analyst: R Meyerhein 12/22/89
Richard F. Meyerhein — Analysis Date
Supervisor, Organic Chemistry

Reviewed By: R Meyerhein
Richard F. Meyerhein 12/27/89
Supervisor, Organic Chemistry Section

STATE OF NEW MEXICO HEALTH AND ENVIRONMENT DEPARTMENT
SCIENTIFIC LABORATORY DIVISION
700 Camino de Salud, NE
Albuquerque, NM 87106 [505]-841-2500
ORGANIC CHEMISTRY SECTION [505]-841-2570

December 27, 1989

ANALYTICAL REPORT
SLD Accession No. OR-89-2047

Distribution
(X) User
(X) Submitter
(X) SLD Files

To: EID Field Office, Farmington
724 W. Animas
Farmington, NM 87401

From: Organic Chemistry Section
Scientific Laboratory Div.
700 Camino de Salud, NE
Albuquerque, NM 87106

Re: **A purgeable water sample submitted to this laboratory on December 22, 1989**

DEMOGRAPHIC DATA

COLLECTION
On: 22-Dec-89 *By:* Tom . . .
At: 9:45 hrs. *In/Near:* Flora Vista

LOCATION
Township: 30N *Section:* 27
Range: 12W *Tract:*

ANALYTICAL RESULTS: Aromatic & Halogenated Purgeable Screen

Parameter	Value	Note	MDL	Units
Halogenated Purgeables (33)	0.00	N	0.50	ppb
Aromatic Purgeables (6)	0.00	N	1.00	ppb

Notations & Comments:
MDL = Minimal Detectable Level.
A = Approximate Value; N = None Detected above Detection Limit; P = Compound Present, but not quantified; T = Trace (<Detection Limit); U = Compound Identity Not Confirmed.
Evidentiary Seals: Not Sealed [X]; Intact: No [ ], Yes [ ] & Broken By: _____ Date: _____

Laboratory Remarks: Well #2; phoned result 12/22

Analyst: R Meyerhein 12/22/89
Richard F. Meyerhein — Analysis Date
Supervisor, Organic Chemistry

Reviewed By: R Meyerhein
Richard F. Meyerhein 12/27/89
Supervisor, Organic Chemistry Section

774 WPA

SCIENTIFIC LABORATORY DIVISION

ORGANIC ANALYSIS REQUEST FORM

Organic Section - Phone: 841-2570

OR89-2062-C

REPORT TO: Neil Williams
EID, GWB/DWS
1190 St. Francis
SF, NM 87503

S.L.D. No. OR- 2062
DATE REC. 12/28/89
PRIORITY 1,5
PHONE(S): 827-0166

COLLECTION CITY: Flora Vista ; COUNTY: San Juan

COLLECTION DATE/TIME CODE: (Year-Month-Day-Hour-Minute) 8 9 | 1 2 | 2 7 | 0 4 | 1 5

LOCATION CODE: (Township-Range-Section-Tracts) | | | + | | + | + | | | (10N06E24342)

USER CODE: 5 1 5 4 2 0 SUBMITTER: NW CODE: | | |

SAMPLE TYPE: WATER [X], SOIL [ ], FOOD [ ], OTHER:

RECEIVED
JAN 24 1990
DRINKING WATER SECTION

This form accompanies 2 Septum Vials, ____ Glass Jugs, and/or ____

Samples were preserved as follows:

- P: No Preservation; Sample stored at room temperature.
- P-Ice Sample stored in an ice bath (Not Frozen).
- P-AA Sample Preserved with Ascorbic Acid to remove chlorine residual.
- [X] P-HCl Sample Preserved with Hydrochloric Acid (2 drops/40 ml)

ANALYSES REQUESTED: Please check the appropriate box(es) below to indicate the type of analytical screens required. Whenever possible list specific compounds suspected or required.

PURGEABLE SCREENS

- [ ] (753) Aliphatic Headspace (1-5 Carbons)
- [ ] (754) Aromatic & Halogenated Purgeables
- [ ] (765) Mass Spectrometer Purgeables
- [ ] (766) Trihalomethanes
- [X] (774) SDWA VOC's I (8 Regulated +)
- [ ] (775) SDWA VOC's II (EDB & DBCP)

Other Specific Compounds or Classes

- [ ] _____
- [ ] _____

EXTRACTABLE SCREENS

- [ ] (751) Aliphatic Hydrocarbons
- [ ] (755) Base/Neutral Extractables
- [ ] (758) Herbicides, Chlorophenoxy acid
- [ ] (759) Herbicides, Triazines
- [ ] (760) Organochlorine Pesticides
- [ ] (761) Organophosphate Pesticides
- [ ] (767) Polychlorinated Biphenyls (PCB's)
- [ ] (764) Polynuclear Aromatic Hydrocarbons
- [ ] (762) SDWA Pesticides & Herbicides

Remarks: _____

FIELD DATA:

pH=_____; Conductivity=_____umho/cm at _____°C; Chlorine Residual=_____mg/l

Dissolved Oxygen=_____mg/l; Alkalinity=_____mg/l; Flow Rate_____ ____/____

Depth to water _____ft.; Depth of well_____ft.; Perforation Interval _____-_____ft.; Casing:_____

Sampling Location, Methods and Remarks (i.e. odors, etc.)

FV # 2

I certify that the results in this block accurately reflect the results of my field analyses, observations and activities.(signature collector): Neil Williams Method of Shipment to the Lab: hand

CHAIN OF CUSTODY

I certify that this sample was transferred from _____ to _____

at (location) _____ on ____/____/____ - ____:____ and that

the statements in this block are correct. Evidentiary Seals: Not Sealed [ ] OR Seals Intact: Yes [ ] No [ ]

Signatures _____ _____

SCIENTIFIC LABORATORY DIVISION
700 Camino de Salud, NE
Albuquerque, NM 87106 [505]-841-2500
ORGANIC CHEMISTRY SECTION [505]-841-2570

January 17, 1990

ANALYTICAL REPORT
SLD Accession No. OR-89-2062

Distribution
(X) User
(■) Submitter
(X) Client
(X) SLD Files

To: EID Field Office, Farmington
724 W. Animas
Farmington, NM 87401

From: Organic Chemistry Section
Scientific Laboratory Div.
700 Camino de Salud, NE
Albuquerque, NM 87106

Re: **A purgeable water sample submitted to this laboratory on December 29, 1989**

User:
EID-Drinking Water Section
Room South 2058
1190 St. Francis Dr.
Santa Fe, NM 87503

Client:
Flora Vista Water Users Association
P.O. Box 171
Flora Vista, NM 87415

DEMOGRAPHIC DATA

COLLECTION
On: 27-Dec-89 By: Wil . . .
At: 4:15 hrs. In/Near: Flora Vista

LOCATION
WSS #: 100-24;
Flora Vista Water Users Association

ANALYTICAL RESULTS: SDWA VOC's I Screen

Parameter	Value	Note	MDL	Units
Methylene chloride (CH2Cl2)	8.80		0.50	ppb
Aromatic Purgeables (6)	0.00	N	0.50	ppb

See Laboratory Remarks for Additional Information

Notations & Comments:

MDL = Minimal Detectable Level.

A = Approximate Value; N = None Detected above Detection Limit; P = Compound Present, but not quantified; T = Trace (<Detection Limit); U = Compound Identity Not Confirmed.

Evidentiary Seals: Not Sealed ☑; Intact: No ☐, Yes ☐ & Broken By: _____ Date: _____

Laboratory Remarks: FV #2
Results confirmed by GC/MS.

Analyst: _____ 12-29-89
Steve R. Davis — Analyst, Organic Chemistry — Analysis Date

Reviewed By: _____
Richard F. Meyerhein 01/16/90
Supervisor, Organic Chemistry Section

SCIENTIFIC LABORATORY DIVISION
ORGANIC ANALYSIS REQUEST FO[illegible]
Organic Section - Phone: 841-2570

OR89-2055-C

REPORT TO: ~~DAVID BOYER~~ Neil Williams
NMEID, GWB/DWS ~~N.M. OIL CONSERVATION DIVISION~~
1190 St. Francis ~~P.O. Box 2088~~
SF, Nm 87503 ~~Santa Fe, NM 87504-2088~~

S.L.D. No. OR- 2055
DATE REC. 12/28/89
PRIORITY 1.5
PHONE(S): 827-~~5812~~ 0166

COLLECTION CITY: Flora Vista ; COUNTY: San Juan

COLLECTION DATE/TIME CODE: (Year-Month-Day-Hour-Minute) |8|9|1|2|2|7|_|_|_|_|

LOCATION CODE: (Township-Range-Section-Tracts) |_|_|_|+|_|_|+|_|+|_|_|_| (10N06E24342)

USER CODE: |~~8|2|2|3|5~~ 5 5 4 2 0| SUBMITTER: ~~David Boyer~~ NW CODE: |~~2|6|0~~|

SAMPLE TYPE: WATER [X], SOIL [ ], FOOD [ ], OTHER: _____

This form accompanies ____ Septum Vials, 2 Glass Jugs, and/or ____

RECEIVED
FEB 22 1990
DRINKING WATER SECTION

Samples were preserved as follows:

- ~~NP~~: No Preservation; Sample stored at room temperature.
- [X] P-Ice: Sample stored in an ice bath (Not Frozen).
- [ ] P-AA: Sample Preserved with Ascorbic Acid to remove chlorine residual.
- [ ] P-HCl: Sample Preserved with Hydrochloric Acid (2 drops/40 ml)

ANALYSES REQUESTED: Please check the appropriate box(es) below to indicate the type of analytical screens required. Whenever possible list specific compounds suspected or required.

PURGEABLE SCREENS

- [ ] (753) Aliphatic Headspace (1-5 Carbons)
- [ ] (754) Aromatic & Halogenated Purgeables
- [ ] (765) Mass Spectrometer Purgeables
- [ ] (766) Trihalomethanes
- [ ] (774) SDWA VOC's I (8 Regulated +)
- [ ] (775) SDWA VOC's II (EDB & DBCP)

Other Specific Compounds or Classes

- [ ] _____
- [ ] _____

EXTRACTABLE SCREENS

- [ ] (751) Aliphatic Hydrocarbons
- [X] (755) Base/Neutral Extractables
- [ ] (758) Herbicides, Chlorophenoxy acid
- [ ] (759) Herbicides, Triazines
- [ ] (760) Organochlorine Pesticides
- [ ] (761) Organophosphate Pesticides
- [ ] (767) Polychlorinated Biphenyls (PCB's)
- [ ] (764) Polynuclear Aromatic Hydrocarbons
- [ ] (762) SDWA Pesticides & Herbicides

Remarks: _____

FIELD DATA:

pH=_____; Conductivity=_____umho/cm at _____°C; Chlorine Residual=_____mg/l

Dissolved Oxygen=_____mg/l; Alkalinity=_____mg/l; Flow Rate_____ ____/____

Depth to water _____ft.; Depth of well_____ft.; Perforation Interval _____-_____ft.; Casing:_____

Sampling Location, Methods and Remarks (i.e. odors, etc.)

FV #2

I certify that the results in this block accurately reflect the results of my field analyses, observations and activities.(signature collector): Neil Williams Method of Shipment to the Lab: hand

CHAIN OF CUSTODY

I certify that this sample was transferred from _____ to _____

at (location) _____ on ____/____/____ - ____:____ and that

the statements in this block are correct. Evidentiary Seals: Not Sealed [ ] OR Seals Intact: Yes [ ] No [ ]

Signatures _____ _____

~~For OCD use: Date owner notified: _____ Phone or Letter? Initials~~

STATE OF NEW MEXICO HEALTH AND ENVIRONMENT DEPARTMENT
SCIENTIFIC LABORATORY DIVISION
700 Camino de Salud, NE
Albuquerque, NM 87106 [505]-841-2500
ORGANIC CHEMISTRY SECTION [505]-841-2570

January 24, 1990

ANALYTICAL REPORT
SLD Accession No. OR-89-2055

Distribution
(■) Submitter
(※) SLD Files

To: Ground Water Bureau
Environmental Improvement Division
1190 St. Francis Dr.
Santa Fe, 87503

From: Organic Chemistry Section
Scientific Laboratory Div.
700 Camino de Salud, NE
Albuquerque, NM 87106

Re: **An extractable water sample submitted to this laboratory on December 29, 1989**

DEMOGRAPHIC DATA

COLLECTION
On: 27-Dec-89 *By:* Wil . . .
At: 0:00 hrs. *In/Near:* Flora Vista

LOCATION

ANALYTICAL RESULTS: Base/Neutral Extractable Screen

Parameter	Value	Note	MDL	Units
Base/Neutral Extractables	0.00	N	10.00	ppb

Notations & Comments:

MDL = Minimal Detectable Level.

A = Approximate Value; N = None Detected above Detection Limit; P = Compound Present, but not quantified;
T = Trace (<Detection Limit); U = Compound Identity Not Confirmed.

Evidentiary Seals: Not Sealed [V]; Intact: No [ ], Yes [ ] & Broken By: _____ Date: _____

Laboratory Remarks: FV #2

Analyst: M J. Owen 1-22-90
Michael J. Owen — Analysis Date
Analyst, Organic Chemistry

Reviewed By: R Meyerhein
Richard F. Meyerhein 01/24/90
Supervisor, Organic Chemistry Section

SCIENTIFIC LABORATORY DIVISION
ORGANIC ANALYSIS REQUEST FORM
Organic Section - Phone: 841-2570

OR89-2061-C

REPORT TO: Neil Williams
EIB, GWB/DWS
1190 St. Francis
SF NM 87503

S.L.D. No. OR- 2061
DATE REC. 12/28/89
PRIORITY 1.5
PHONE(S): 827-0166

COLLECTION CITY: Flora Vista ; COUNTY: San Juan

COLLECTION DATE/TIME CODE: (Year-Month-Day-Hour-Minute) 89 12 28 14 01 01

LOCATION CODE: (Township-Range-Section-Tracts) | | | + | | + | | + | | | | (10N06E24342)

USER CODE: 515 4 2 0 SUBMITTER: NW CODE: | | |

SAMPLE TYPE: WATER [X], SOIL [ ], FOOD [ ], OTHER:

This form accompanies 2 Septum Vials, ____ Glass Jugs, and/or ____

RECEIVED
JAN 24 1990
DRINKING WATER SECTION

Samples were preserved as follows:

- [ ] NP: No Preservation; Sample stored at room temperature.
- [ ] P-Ice Sample stored in an ice bath (Not Frozen).
- [ ] P-AA Sample Preserved with Ascorbic Acid to remove chlorine residual.
- [X] P-HCl Sample Preserved with Hydrochloric Acid (2 drops/40 ml)

OIL CONSERVATION DIVISION RECEIVED '90 FEB 8 AM 8 49

ANALYSES REQUESTED: Please check the appropriate box(es) below to indicate the type of analytical screens required. Whenever possible list specific compounds suspected or required.

PURGEABLE SCREENS

- [ ] (753) Aliphatic Headspace (1-5 Carbons)
- [ ] (754) Aromatic & Halogenated Purgeables
- [ ] (765) Mass Spectrometer Purgeables
- [ ] (766) Trihalomethanes
- [X] (774) SDWA VOC's I (8 Regulated +)
- [ ] (775) SDWA VOC's II (EDB & DBCP)

Other Specific Compounds or Classes

- [ ] _____
- [ ] _____

EXTRACTABLE SCREENS

- [ ] (751) Aliphatic Hydrocarbons
- [ ] (755) Base/Neutral Extractables
- [ ] (758) Herbicides, Chlorophenoxy acid
- [ ] (759) Herbicides, Triazines
- [ ] (760) Organochlorine Pesticides
- [ ] (761) Organophosphate Pesticides
- [ ] (767) Polychlorinated Biphenyls (PCB's)
- [ ] (764) Polynuclear Aromatic Hydrocarbons
- [ ] (762) SDWA Pesticides & Herbicides

Remarks: ~~FV #6~~

FIELD DATA:

pH=_____; Conductivity=_____umho/cm at _____°C; Chlorine Residual=_____mg/l

Dissolved Oxygen=_____mg/l; Alkalinity=_____mg/l; Flow Rate_____ ____/____

Depth to water _____ft.; Depth of well_____ft.; Perforation Interval ____-____ft.; Casing:_____

Sampling Location, Methods and Remarks (i.e. odors, etc.)

FV #~~6~~ 5

I certify that the results in this block accurately reflect the results of my field analyses, observations and activities.(signature collector): Neil Williams Method of Shipment to the Lab: hand

CHAIN OF CUSTODY

I certify that this sample was transferred from _____ to _____

at (location) _____ on ____/____/____ - ____:____ and that

the statements in this block are correct. Evidentiary Seals: Not Sealed [ ] OR Seals Intact: Yes [ ] No [ ]

Signatures _____ _____

STATE OF NEW MEXICO HEALTH AND ENVIRONMENT DEPARTMENT

SCIENTIFIC LABORATORY DIVISION

700 Camino de Salud, NE
Albuquerque, NM 87106 [505]-841-2500
ORGANIC CHEMISTRY SECTION [505]-841-2570

ANALYTICAL REPORT
SLD Accession No. OR-89-2061

Distribution
(X) User
(X) Submitter
(X) Client
(X) SLD Files

To: EID Field Office, Farmington
724 W. Animas
Farmington, NM 87401

From: Organic Chemistry Section
Scientific Laboratory Div.
700 Camino de Salud, NE
Albuquerque, NM 87106

Re: **A purgeable water sample submitted to this laboratory on December 29, 1989**

User:
EID-Drinking Water Section
Room South 2058
1190 St. Francis Dr.
Santa Fe, NM 87503

Client:
Flora Vista Water Users Association
P.O. Box 171
Flora Vista, NM 87415

DEMOGRAPHIC DATA

COLLECTION
On: 27-Dec-89 *By:* Wil . . .
At: 4:00 hrs. *In/Near:* Flora Vista

LOCATION
WSS #: 100-24;
Flora Vista Water Users Association

ANALYTICAL RESULTS: SDWA VOC's I Screen

Parameter	Value	Note	MDL	Units
Halogenated Purgeables (33)	0.00	N	0.50	ppb
Aromatic Purgeables (6)	0.00	N	0.50	ppb

Notations & Comments:

MDL = Minimal Detectable Level.

A = Approximate Value; N = None Detected above Detection Limit; P = Compound Present, but not quantified; T = Trace (<Detection Limit); U = Compound Identity Not Confirmed.

Evidentiary Seals: Not Sealed [X]; Intact: No [ ], Yes [ ] & Broken By: _____ Date: _____

Laboratory Remarks: FV #5

Analyst: _____ 12-29-89 Reviewed By: _____ 1/16/90
Steve R. Davis — Analyst, Organic Chemistry — Analysis Date
Richard F. Meyerhein 01/16/90 — Supervisor, Organic Chemistry Section

SCIENTIFIC LABORATORY DIVISION
ORGANIC ANALYSIS REQUEST FORM
Organic Section - Phone: 841-2570

OR89-2060-C

REPORT TO: Neil Williams
EID, GWB/DWS
1190 St. Francis Dr
SF, NM 87503

S.L.D. No. OR- 2060
DATE REC. 12/28/89
PRIORITY 1.5
PHONE(S): 827-0166

COLLECTION CITY: Flora Vista ; COUNTY: San Juan

COLLECTION DATE/TIME CODE: (Year-Month-Day-Hour-Minute) 8 9 1 1 2 1 2 8 1 1 2 1 5 1 5

LOCATION CODE: (Township-Range-Section-Tracts) (10N06E24342)

USER CODE: 5 1 5 4 2 1 0 SUBMITTER: NW CODE:

SAMPLE TYPE: WATER [X], SOIL [ ], FOOD [ ], OTHER:

This form accompanies 2 Septum Vials, ____ Glass Jugs, and/or ____
Samples were preserved as follows:

RECEIVED
JAN 24 1990
DRINKING WATER SECTION

- [ ] NP: No Preservation; Sample stored at room temperature.
- [ ] P-Ice: Sample stored in an ice bath (Not Frozen).
- [ ] P-AA: Sample Preserved with Ascorbic Acid to remove chlorine residual.
- [X] P-HCl: Sample Preserved with Hydrochloric Acid (2 drops/40 ml)

ANALYSES REQUESTED: Please check the appropriate box(es) below to indicate the type of analysis screens required. Whenever possible list specific compounds suspected or required.

PURGEABLE SCREENS	EXTRACTABLE SCREENS
[ ] (753) Aliphatic Headspace (1-5 Carbons)	[ ] (751) Aliphatic Hydrocarbons
[ ] (754) Aromatic & Halogenated Purgeables	[ ] (755) Base/Neutral Extractables
[ ] (755) Mass Spectrometer Purgeables	[ ] (758) Herbicides, Chlorophenoxy acid
[ ] (756) Trihalomethanes	[ ] (759) Herbicides, Triazines
[X] (774) SDWA VOC's I (8 Regulated +)	[ ] (760) Organochlorine Pesticides
[ ] (775) SDWA VOC's II (EDB & DBCP)	[ ] (761) Organophosphate Pesticides
Other Specific Compounds or Classes	[ ] (767) Polychlorinated Biphenyls (PCB's)
[ ] _____	[ ] (764) Polynuclear Aromatic Hydrocarbons
[ ] _____	[ ] (762) SDWA Pesticides & Herbicides

Remarks: _____

OIL CONSERVATION DIVISION RECEIVED 90 FEB 8 AM 8 49

FIELD DATA:

pH=____; Conductivity=____umho/cm at ____°C; Chlorine Residual=____mg/l

Dissolved Oxygen=____mg/l; Alkalinity=____mg/l; Flow Rate____ ____/____

Depth to water ____ft.; Depth of well____ft.; Perforation Interval ____-____ft.; Casing:____

Sampling Location, Methods and Remarks (i.e. odors, etc.)

FU #5

I certify that the results in this block accurately reflect the results of my field analyses, observations and activities.(signature collector): Neil Williams Method of Shipment to the Lab: hand

CHAIN OF CUSTODY

I certify that this sample was transferred from ____ to ____

at (location) ____ on ____/____/____ - ____:____ and that the statements in this block are correct. Evidentiary Seals: Not Sealed [ ] OR Seals Intact: Yes [ ] No [ ]

Signatures ____ ____

STATE OF NEW MEXICO HEALTH AND ENVIRONMENT DEPARTMENT
SCIENTIFIC LABORATORY DIVISION
700 Camino de Salud, NE
Albuquerque, NM 87106 [505]-841-2500
ORGANIC CHEMISTRY SECTION [505]-841-2570

January 17, 1990

ANALYTICAL REPORT
SLD Accession No. OR-89-2060

Distribution
(X) User
(■) Submitter
(X) Client
(X) SLD Files

To: EID Field Office, Farmington
724 W. Animas
Farmington, NM 87401

From: Organic Chemistry Section
Scientific Laboratory Div.
700 Camino de Salud, NE
Albuquerque, NM 87106

Re: **A purgeable water sample submitted to this laboratory on December 29, 1989**

User:
EID-Drinking Water Section
Room South 2058
1190 St. Francis Dr.
Santa Fe, NM 87503

Client:
Flora Vista Water Users Association
P.O. Box 171
Flora Vista, NM 87415

DEMOGRAPHIC DATA

COLLECTION
On: 28-Dec-89 *By:* Wil . . .
At: 12:55 hrs. *In/Near:* Flora Vista

LOCATION
WSS #: 100-24;
Flora Vista Water Users Association

ANALYTICAL RESULTS: SDWA VOC's I Screen

Parameter	Value	Note	MDL	Units
Halogenated Purgeables (33)	0.00	N	0.50	ppb
Aromatic Purgeables (6)	0.00	N	0.50	ppb

Notations & Comments:

MDL = Minimal Detectable Level.

A = Approximate Value; N = None Detected above Detection Limit; P = Compound Present, but not quantified;
T = Trace (<Detection Limit); U = Compound Identity Not Confirmed.

Evidentiary Seals: Not Sealed[X]; Intact: No[ ], Yes[ ] & Broken By: _____ Date: _____

Laboratory Remarks: FV #5

Analyst: _____ 12-29-89
Steve R. Davis — Analyst, Organic Chemistry — Analysis Date

Reviewed By: _____ 1/16/90
Richard F. Meyerhein 01/16/90
Supervisor, Organic Chemistry Section

755 Wex

SCIENTIFIC LABORATORY DIVISION
ORGANIC ANALYSIS REQUEST FORM
Organic Section - Phone: 841-2570

OR89-2054-C

REPORT TO: Neil Williams
EID, GWB/DWS
1190 St. Francis
SF, NM 87503

S.L.D. No. OR- 2054
DATE REC. 12/28/89
PRIORITY 1.5
PHONE(S): 827-0166

COLLECTION CITY: Flora Vista ; COUNTY: San Juan

COLLECTION DATE/TIME CODE: (Year-Month-Day-Hour-Minute) 8 9 | 1 2 | 2 8 | 1 2 | 5 5

LOCATION CODE: (Township-Range-Section-Tracts) | | | + | | | + | | | + | | | | (10N06E24342)

USER CODE: 5 5 4 2 0 SUBMITTER: NW CODE: | | |

SAMPLE TYPE: WATER [X], SOIL [ ], FOOD [ ], OTHER: _____

This form accompanies ____ Septum Vials, 2 Glass Jugs, and/or ____ _____

Samples were preserved as follows:

- [ ] NP: No Preservation; Sample stored at room temperature.
- [X] P-Ice Sample stored in an ice bath (Not Frozen).
- [ ] P-AA Sample Preserved with Ascorbic Acid to remove chlorine residual.
- [ ] P-HCl Sample Preserved with Hydrochloric Acid (2 drops/40 ml)

RECEIVED
FEB 22 1990
DRINKING WATER SECTION

ANALYSES REQUESTED: Please check the appropriate box(es) below to indicate the type(s) of analytical screens required. Whenever possible list specific compounds suspected or required.

PURGEABLE SCREENS

- [ ] (753) Aliphatic Headspace (1-5 Carbons)
- [ ] (754) Aromatic & Halogenated Purgeables
- [ ] (756) Mass Spectrometer Purgeables
- [ ] (766) Trihalomethanes
- [ ] (774) SDWA VOC's I (8 Regulated +)
- [ ] (775) SDWA VOC's II (EDB & DBCP)

Other Specific Compounds or Classes

- [ ] _____
- [ ] _____

EXTRACTABLE SCREENS

- [ ] (751) Aliphatic Hydrocarbons
- [X] (755) Base/Neutral Extractables
- [ ] (758) Herbicides, Chlorophenoxy acid
- [ ] (759) Herbicides, Triazines
- [ ] (760) Organochlorine Pesticides
- [ ] (761) Organophosphate Pesticides
- [ ] (767) Polychlorinated Biphenyls (PCB's)
- [ ] (764) Polynuclear Aromatic Hydrocarbons
- [ ] (762) SDWA Pesticides & Herbicides

Remarks: _____

FIELD DATA:

pH=____; Conductivity=____umho/cm at ____°C; Chlorine Residual=____mg/l

Dissolved Oxygen=____mg/l; Alkalinity=____mg/l; Flow Rate____ ____/____

Depth to water ____ft.; Depth of well____ft.; Perforation Interval ____-____ft.; Casing:____

Sampling Location, Methods and Remarks (i.e. odors, etc.)

FU # 5

I certify that the results in this block accurately reflect the results of my field analyses, observations and activities.(signature collector): Neil Williams Method of Shipment to the Lab: hand

CHAIN OF CUSTODY

I certify that this sample was transferred from _____ to _____

at (location) _____ on ____/____/____ - ____:____ and that

the statements in this block are correct. Evidentiary Seals: Not Sealed [ ] OR Seals Intact: Yes [ ] No [ ]

Signatures _____ _____

STATE OF NEW MEXICO HEALTH AND ENVIRONMENT DEPARTMENT
SCIENTIFIC LABORATORY DIVISION
700 Camino de Salud, NE
Albuquerque, NM 87106 [505]-841-2500
ORGANIC CHEMISTRY SECTION [505]-841-2570

January 24, 1990

ANALYTICAL REPORT
SLD Accession No. OR-89-2054

Distribution
(■) Submitter
(※) SLD Files

To: Ground Water Bureau
Environmental Improvement Division
1190 St. Francis Dr.
Santa Fe, 87503

From: Organic Chemistry Section
Scientific Laboratory Div.
700 Camino de Salud, NE
Albuquerque, NM 87106

Re: **An extractable water sample submitted to this laboratory on December 29, 1989**

DEMOGRAPHIC DATA

COLLECTION

On: 28-Dec-89 *By:* Wil . . .
At: 12:55 hrs. *In/Near:* Flora Vista

LOCATION

ANALYTICAL RESULTS: Base/Neutral Extractable Screen

Parameter	Value	Note	MDL	Units
Base/Neutral Extractables	0.00	N	10.00	ppb

Notations & Comments:

MDL = Minimal Detectable Level.

A = Approximate Value; N = None Detected above Detection Limit; P = Compound Present, but not quantified; T = Trace (<Detection Limit); U = Compound Identity Not Confirmed.

Evidentiary Seals: Not Sealed [X]; Intact: No [ ], Yes [ ] & Broken By: _____ Date: _____

Laboratory Remarks: FV #5

Analyst: _____ 1-22-90
Michael J. Owen — Analysis Date
Analyst, Organic Chemistry

Reviewed By: _____
Richard F. Meyerhein 01/24/90
Supervisor, Organic Chemistry Section

State of New Mexico
HEALTH and ENVIRONMENT DEPARTMENT
SCIENTIFIC
LABORATORY DIVISION

CHEMICAL and PHYSICAL ANALYSES for WATER SAMPLES

1-25-90 10c

Date received	Lab No.	SLD user code No.
~~12/28/89~~	HM 0058	55420

FOR PROPER PRESERVATION OF SAMPLES, CONSULT DEFINITIONS ON REVERSE. TYPE OR PRINT WITH BALL POINT PEN.

CHEMICAL ANALYSES: *Check individual items for analysis [Mark appropriate box(es)]*

INTERIM PRIMARY PARAMETER GROUP: [X] 1 [ ] 2 [ ] 3 [ ] Complete Secondary

TYPE of CHEMICAL ANALYSIS: [ ] Organic [ ] Radiological

Water Supply System Name	Water Supply System Code No.	City or Location	County	Check one:
Flora Vista	100-24	Flora Vista	San Juan	[ ] TREATED WATER [X] RAW WATER

Collection Date	Collection Time	Collection Point	Collector's remarks	Report to
12/28/89	12:55	FV #5	NF / A - 5ml HNO3	Neil Williams

Collected By	Owner	Address
NW	FVWUA	EID 1190 St. Francis SF, NM 87503

TYPE of SYSTEM *(Check one)*: [ ] PRIVATE PUBLIC: [X] Community [ ] Non-community

SOURCE: [ ] Spring [ ] Lake [X] Well-Depth [ ] Drain [ ] Stream [ ] Pool [ ] Other *(specify)*

LAT. ° ' "
LONG ° ' "

CATIONS	mg/l	ANIONS	mg/l	PHYSICAL		HEAVY METALS	mg/l	PARAMETER		ORGANIC	mg/l
00930 Sodium (as Na)		00940 Chloride (as Cl)		70300 Total Filterable Residue	mg/l	01000 Arsenic	<0.005			39390 Endrin	
00935 Potassium (as K)		00950 Fluoride (as F)		38260 Foaming Agents (as Las)		01005 Barium	<0.1			39732 Lindane	
00900 Tot. Hardness (as $CaCO_3$)		00620 Nitrate (as N)		00095 Conductance Micromhos 25°C		01025 Cadmium	<0.001			38270 Methoxychlor	
00915 Calcium (as Ca)		00430 Alkalinity (as $CaCO_3$)		00400 pH		01030 Chromium	<0.005	RADIOLOGICAL pCi/l 01501 Gross Alpha		39400 Toxaphene	
00925 Magnesium (as Mg)		00440 Bicarbonate (as HCO_3)		01330 Odor		01049 Lead	<0.005	03501 Gross Beta	pCi/l	39730 2, 4-D	
01045 Iron-Total (as Fe)		00445 Carbonate (as CO_3)		00080 Color	mg/l	07180 Mercury	<0.0005	09501 Radium-226	pCi/l	39740 2, 4, 5-TP (Silvex)	
01056 Manganese (as Mn)		00945 Sulfate (as SO_4)		00070 Turbidity		01145 Selenium	<0.005	11501 Radium-228	pCi/l		
						01075 Silver	<0.001				

RECEIVED
FEB 22 1990
DRINKING WATER SECTION

LABORATORY REMARKS: Digest

Reviewed by: JAA
Date reported: 2/13/90

SLD 702 Form Rev. 9/84

DISTRIBUTION: **White** - Water Supply Regulation, SF • **Canary** - WS System • **Pink** - EIA Regional Office • **Goldenrod** - SLD Lab

State of New Mexico
HEALTH and ENVIRONMENT DEPARTMENT
SCIENTIFIC
LABORATORY DIVISION

CHEMICAL and PHYSICAL ANALYSES for WATER SAMPLES

0 - W14

Date received	Lab No.	SLD user code No.
1-23-90	UC 0127	55420

FOR PROPER PRESERVATION OF SAMPLES, CONSULT DEFINITIONS ON REVERSE. TYPE OR PRINT WITH BALL POINT PEN.

CHEMICAL ANALYSES: *Check individual items for analysis [Mark appropriate box(es)]*
INTERIM PRIMARY PARAMETER GROUP ☐ 1 ☐ 2 ☐ 3
TYPE of CHEMICAL ANALYSIS ☒ Complete Secondary ☐ Organic ☐ Radiological

Water Supply System Name	Water Supply System Code No.	City or Location	County	Check one:
Flora Vista	100 - 24	Flora Vista	San Juan	☐ TREATED WATER ☒ RAW WATER

Collection Date	Collection Time	Collection Point	Collector's remarks	Report to
12/28/89	12:55	FV # 5	NF/NA	Neil Williams

Collected By	Owner	Address
NW	FV WUA	EID 1190 St. Francis SE, NM 87503

TYPE of SYSTEM *(Check one)*: ☐ PRIVATE PUBLIC: ☒ Community ☐ Non-community

SOURCE: ☐ Spring ☐ Lake ☒ Well-Depth ☐ Drain ☐ Stream ☐ Pool ☐ Other *(specify)*

LAT. ° ' "
LONG ° ' "

CATIONS	mg/l	ANIONS	mg/l	PHYSICAL		HEAVY METALS	mg/l	PARAMETER		ORGANIC	mg/l
00930 Sodium (as Na)	35	00940 Chloride (as Cl)	178	70300 Total Filterable Residue	mg/l 600	01000 Arsenic				39390 Endrin	
00935 Potassium (as K)	3	00950 Fluoride (as F)		38260 Foaming Agents (as Las)	<0.05	01005 Barium				39732 Lindane	
00900 Tot. Hardness (as $CaCO_3$)	455	00620 Nitrate (as N)		00095 Conductance Micromhos 25°C	820	01025 Cadmium				38270 Methoxychlor	
00915 Calcium (as Ca)	152	00430 Alkalinity (as $CaCO_3$)	140	00400 pH	7.58	01030 Chromium		RADIOLOGICAL pCi/l 01501 Gross Alpha		39400 Toxaphene	
00925 Magnesium (as Mg)	182	00440 Bicarbonate (as HCO_3)	171	01330 Odor	none	01049 Lead		03501 Gross Beta	pCi/l	39730 2,4-D	
01045 Iron-Total (as Fe)		00445 Carbonate (as CO_3)	Ø	00080 Color	mg/l 0	07180 Mercury		09501 Radium-226	pCi/l	39740 2,4,5-TP (Silvex)	
01056 Manganese (as Mn)		00945 Sulfate (as SO_4)	192	00070 Turbidity *	1.27	01145 Selenium		11501 Radium-228	pCi/l		
						01075 Silver					

RECEIVED
FEB 15 1990
DRINKING WATER SECTION

LABORATORY REMARKS:
* sediment present

Reviewed by
Date reported 2/15/90

SLD 702 Form Rev. 9/84

DISTRIBUTION: **White** - Water Supply Regulation, SF • **Canary** - WS System • **Pink** - EIA Regional Office • **Goldenrod** - SLD Lab

755 WEX

SCIENTIFIC LABORATORY DIVISION

ORGANIC ANALYSIS REQUEST FORM

Organic Section - Phone: 841-2570

OR89-2053-C

REPORT TO: Neil Williams
EID, GWB/DWS
1190 St. Francis
SF, NM 87503

S.L.D. No. OR- 2053
DATE REC. 12/28/89
PRIORITY 1.5
PHONE(S): 827-0166

COLLECTION CITY: Flora Vista ; COUNTY: San Juan

COLLECTION DATE/TIME CODE: (Year-Month-Day-Hour-Minute) |8|9|1|2|2|7| | | |

LOCATION CODE: (Township-Range-Section-Tracts) | | | + | | + | + | | | (10N06E24342)

USER CODE: |5|5|4|2|0| SUBMITTER: NW CODE: | | |

SAMPLE TYPE: WATER [X], SOIL [ ], FOOD [ ], OTHER:

form accompanies [X] Septum Vials, 2 Glass Jugs, and/or ____ ____

es were preserved as follows:

[X] P: No Preservation; Sample stored at room temperature.
[X] P-Ice Sample stored in an ice bath (Not Frozen).
[ ] P-AA Sample Preserved with Ascorbic Acid to remove chlorine residual.
[ ] P-HCl Sample Preserved with Hydrochloric Acid (2 drops/40 ml)

RECEIVED
FEB 22 1990
DRINKING WATER
SECTION

ANALYSES REQUESTED: Please check the appropriate box(es) below to indicate the type of analysis desired. Whenever possible list specific compounds suspected or required.

PURGEABLE SCREENS

- [ ] (753) Aliphatic Headspace (1-5 Carbons)
- [ ] (754) Aromatic & Halogenated Purgeables
- [ ] (765) Mass Spectrometer Purgeables
- [ ] (766) Trihalomethanes
- [ ] (774) SDWA VOC's I (8 Regulated +)
- [ ] (775) SDWA VOC's II (EDB & DBCP)

Other Specific Compounds or Classes

- [ ] _____
- [ ] _____

EXTRACTABLE SCREENS

- [ ] (751) Aliphatic Hydrocarbons
- [X] (755) Base/Neutral Extractables
- [ ] (758) Herbicides, Chlorophenoxy acid
- [ ] (759) Herbicides, Triazines
- [ ] (760) Organochlorine Pesticides
- [ ] (761) Organophosphate Pesticides
- [ ] (767) Polychlorinated Biphenyls (PCB's)
- [ ] (764) Polynuclear Aromatic Hydrocarbons
- [ ] (762) SDWA Pesticides & Herbicides

Remarks: _____

FIELD DATA:

pH=_____; Conductivity=_____umho/cm at _____°C; Chlorine Residual=_____mg/l

Dissolved Oxygen=_____mg/l; Alkalinity=_____mg/l; Flow Rate_____ ____/____

Depth to water _____ft.; Depth of well_____ft.; Perforation Interval _____-_____ft.; Casing:_____

Sampling Location, Methods and Remarks (i.e. odors, etc.)

FV # 5

I certify that the results in this block accurately reflect the results of my field analyses, observations and activities.(signature collector): Neil Williams Method of Shipment to the Lab: hand

CHAIN OF CUSTODY

I certify that this sample was transferred from _____ to _____

at (location) _____ on ____/____/____ - ____:____ and that

the statements in this block are correct. Evidentiary Seals: Not Sealed [ ] OR Seals Intact: Yes [ ] No [ ]

Signatures _____ _____

STATE OF NEW MEXICO HEALTH AND ENVIRONMENT DEPARTMENT
SCIENTIFIC LABORATORY DIVISION
700 Camino de Salud, NE
Albuquerque, NM 87106 [505]-841-2500
ORGANIC CHEMISTRY SECTION [505]-841-2570

January 24, 1990

ANALYTICAL REPORT
SLD Accession No. OR-89-2053

Distribution
(■) Submitter
(▩) SLD Files

To: Ground Water Bureau
Environmental Improvement Division
1190 St. Francis Dr.
Santa Fe, 87503

From: Organic Chemistry Section
Scientific Laboratory Div.
700 Camino de Salud, NE
Albuquerque, NM 87106

Re: **An extractable water sample submitted to this laboratory on December 29, 1989**

DEMOGRAPHIC DATA

COLLECTION
On: 27-Dec-89 *By:* Wil . . .
At: 0:00 hrs. *In/Near:* Flora Vista

LOCATION

ANALYTICAL RESULTS: Base/Neutral Extractable Screen

Parameter	Value	Note	MDL	Units
Base/Neutral Extractables	0.00	N	10.00	ppb

Notations & Comments:
MDL = Minimal Detectable Level.
A = Approximate Value; N = None Detected above Detection Limit; P = Compound Present, but not quantified;
T = Trace (<Detection Limit); U = Compound Identity Not Confirmed.
Evidentiary Seals: Not Sealed ☒; Intact: No ☐, Yes ☐ & Broken By: _____ Date: _____

Laboratory Remarks: FV #5

Analyst: M J. Owen 1-22-90
Michael J. Owen — Analyst, Organic Chemistry — Analysis Date

Reviewed By: R Meyerhein
Richard F. Meyerhein 01/24/90
Supervisor, Organic Chemistry Section

SCIENTIFIC LABORATORY DIVISION

700 Camino de Salud NE
Albuquerque, NM 87106 841-2570

154

RECEIVED DEC 22 1989

OR89-2046-C

REPORT TO: David Tomko / Bill Williams
EID / Drinking Water Section
724 W. Aztec
Farmington, NM 87401

S.L.D. No. OR-
DATE REC. 12/22/89
PRIORITY I
PHONE(S): 327-9851 / 327-0166

COLLECTION CITY: Flora Vista ; COUNTY: San Juan

COLLECTION DATE/TIME CODE: (Year-Month-Day-Hour-Minute) |8|9|1|2|2|2|0|9|3|6|

LOCATION CODE: (Township-Range-Section-Tracts) |3|0|N+|1|2|W+|2|7+| | | |(10N06E24342)

USER CODE: |5|5|4|3|0| SUBMITTER: David Tomko CODE: | | |

SAMPLE TYPE: WATER |✓|, SOIL | |, FOOD | |, OTHER:

This form accompanies 2 Septum Vials, ____ Glass Jugs, and/or ____ ____

Samples were preserved as follows:

- [ ] NP: No Preservation; Sample stored at room temperature.
- [✓] P-Ice Sample stored in an ice bath (Not Frozen).
- [ ] P-$Na_2S_2O_3$ Sample Preserved with Sodium Thiosulfate to remove chlorine residual.

ANALYSES REQUESTED: Please check the appropriate box(es) below to indicate the type of analytical screens required. Whenever possible list specific compounds suspected or required.

PURGEABLE SCREENS

- [ ] (753) Aliphatic Headspace (1-5 Carbons)
- [✓] (754) Aromatic & Halogenated Purgeables
- [ ] (765) Mass Spectrometer Purgeables
- [ ] (766) Trihalomethanes

Other Specific Compounds or Classes

- [ ] ____
- [ ] ____
- [ ] ____
- [ ] ____
- [ ] ____

EXTRACTABLE SCREENS

- [ ] (751) Aliphatic Hydrocarbons
- [ ] (755) Base/Neutral Extractables
- [ ] (758) Herbicides, Chlorophenoxy acid
- [ ] (759) Herbicides, Triazines
- [ ] (760) Organochlorine Pesticides
- [ ] (761) Organophosphate Pesticides
- [ ] (767) Polychlorinated Biphenyls (PCB's)
- [ ] (764) Polynuclear Aromatic Hydrocarbons
- [ ] (762) SDWA Pesticides & Herbicides

'90 FEB 8 AM 8 49

NEW MEXICO DEPT. OF HEALTH
SCIENTIFIC LAB DIVISION
RECEIVED

Remarks: ____

FIELD DATA:

pH=____; Conductivity=____umho/cm at ____°C; Chlorine Residual=____mg/l

Dissolved Oxygen=____mg/l; Alkalinity=____mg/l; Flow Rate____ ____/____

Depth to water 5 ft.; Depth of well 20 ft.; Perforation Interval ____-____ft.; Casing:____

Sampling Location, Methods and Remarks (i.e. odors, etc.)

Flora Vista well #5, Sampled with bailer. Rinsed with distilled water prior to use.

I certify that the results in this block accurately reflect the results of my field analyses, observations and activities.(signature collector):____ Method of Shipment to the Lab:____

CHAIN OF CUSTODY

I certify that this sample was transferred from ____ to ____

at (location) ____ on ____/____/____ - ____:____ and that

the statements in this block are correct. Evidentiary Seals: Not Sealed [ ] OR Seals Intact: Yes [ ] No [ ]

Signatures ____ ____

STATE OF NEW MEXICO HEALTH AND ENVIRONMENT DEPARTMENT
SCIENTIFIC LABORATORY DIVISION
700 Camino de Salud, NE
Albuquerque, NM 87106 [505]-841-2500
ORGANIC CHEMISTRY SECTION [505]-841-2570

December 27, 1989

ANALYTICAL REPORT
SLD Accession No. OR-89-2046

Distribution
(■) User
(▒) Submitter
(▒) SLD Files

To:

From: Organic Chemistry Section
Scientific Laboratory Div.
700 Camino de Salud, NE
Albuquerque, NM 37106

Re: **A purgeable water sample submitted to this laboratory on December 22, 1989**

Submitter:
EID Field Office, Farmington
724 W. Animas
Farmington, NM 87401

DEMOGRAPHIC DATA

COLLECTION

On: 22-Dec-89 *By:* Tom . . .
At: 9:36 hrs. *In/Near:* Flora Vista

LOCATION

Township: 30N *Section:* 27
Range: 12W *Tract:*

ANALYTICAL RESULTS: Aromatic & Halogenated Purgeable Screen

Parameter	Value	Note	MDL	Units
Halogenated Purgeables (33)	0.00	N	0.50	ppb
Aromatic Purgeables (6)	0.00	N	1.00	ppb

Notations & Comments:

MDL = Minimal Detectable Level.

A = Approximate Value; N = None Detected above Detection Limit; P = Compound Present, but not quantified;
T = Trace (<Detection Limit); U = Compound Identity Not Confirmed.

Evidentiary Seals: Not Sealed [X]; Intact: No [ ], Yes [ ] & Broken By: _____ Date: _____

Laboratory Remarks: Well #5; phoned result 12/22

Analyst: R Meyerhein 12/22/89
Richard F. Meyerhein — Analysis Date
Supervisor, Organic Chemistry

Reviewed By: R Meyerhein
Richard F Meyerhein 12/27/89
Supervisor, Organic Chemistry Section

STATE OF NEW MEXICO HEALTH AND ENVIRONMENT DEPARTMENT
SCIENTIFIC LABORATORY DIVISION
700 Camino de Salud, NE
Albuquerque, NM 87106 [505]-841-2500
ORGANIC CHEMISTRY SECTION [505]-841-2570

December 27, 1989

ANALYTICAL REPORT
SLD Accession No. OR-89-2046

Distribution
(※) User
(☑) Submitter
(※) SLD Files

To: EID Field Office, Farmington
724 W. Animas
Farmington, NM 87401

From: Organic Chemistry Section
Scientific Laboratory Div.
700 Camino de Salud, NE
Albuquerque, NM 87106

Re: **A purgeable water sample submitted to this laboratory on December 22, 1989**

DEMOGRAPHIC DATA

COLLECTION		*LOCATION*	
On: 22-Dec-89	*By:* Tom . . .	*Township:* 30N	*Section:* 27
At: 9:36 hrs.	*In/Near:* Flora Vista	*Range:* 12W	*Tract:*

ANALYTICAL RESULTS: Aromatic & Halogenated Purgeable Screen

Parameter	Value	Note	MDL	Units
Halogenated Purgeables (33)	0.00	N	0.50	ppb
Aromatic Purgeables (6)	0.00	N	1.00	ppb

Notations & Comments:
MDL = Minimal Detectable Level.
A = Approximate Value; N = None Detected above Detection Limit; P = Compound Present, but not quantified;
T = Trace (<Detection Limit); U = Compound Identity Not Confirmed.
Evidentiary Seals: Not Sealed [X]; Intact: No [ ], Yes [ ] & Broken By: _____ Date: _____

Laboratory Remarks: Well #5; phoned result 12/22

Analyst: R Meyerhein 12/22/89
Richard F. Meyerhein — Analysis Date
Supervisor, Organic Chemistry

Reviewed By: R Meyerhein
Richard F. Meyerhein 12/27/89
Supervisor, Organic Chemistry Section

SCIENTIFIC LABORATORY DIVISION

ORGANIC ANALYSIS REQUEST FORM

Organic Section - Phone: 841-2570

OR89-2059-C

REPORT TO: Neil Williams
NMED, GWB/DWS
1190 St. Francis Dr.
SF, NM 87503

S.L.D. No. OR- 2059
DATE REC. 12/28/89
PRIORITY 1.5
PHONE(S): 827-0166

COLLECTION CITY: Flora Vista ; COUNTY: San Juan

COLLECTION DATE/TIME CODE: (Year-Month-Day-Hour-Minute) 8 9 1 1 2 4 2 8 1 1 2 1 2 1 5

LOCATION CODE: (Township-Range-Section-Tracts) _ _ _ + _ _ + _ + _ _ (10N06E24342)

USER CODE: 5 1 5 1 4 2 1 0 SUBMITTER: N.W. CODE: _ _ _

SAMPLE TYPE: WATER [X], SOIL [ ], FOOD [ ], OTHER: _____

This form accompanies 2 Septum Vials, ____ Glass Jugs, and/or ____ _____

Samples were preserved as follows:

- [ ] NP: No Preservation; Sample stored at room temperature.
- [ ] P-Ice Sample stored in an ice bath (Not Frozen).
- [ ] P-AA Sample Preserved with Ascorbic Acid to remove chlorine residual.
- [X] P-HCl Sample Preserved with Hydrochloric Acid (2 drops/40 ml)

RECEIVED
JAN 24 1990
DRINKING WATER SECTION

ANALYSES REQUESTED: Please check the appropriate box(es) below to indicate the type of analytical screens requested. Whenever possible list specific compounds suspected or required.

PURGEABLE SCREENS

- [ ] (753) Aliphatic Headspace (1-5 Carbons)
- [ ] (754) Aromatic & Halogenated Purgeables
- [ ] (765) Mass Spectrometer Purgeables
- [ ] (766) Trihalomethanes
- [X] (774) SDWA VOC's I (8 Regulated +)
- [ ] (775) SDWA VOC's II (EDB & DBCP)

Other Specific Compounds or Classes

- [ ] _____
- [ ] _____

EXTRACTABLE SCREENS

- [ ] (751) Aliphatic Hydrocarbons
- [ ] (755) Base/Neutral Extractables
- [ ] (758) Herbicides, Chlorophenoxy acid
- [ ] (759) Herbicides, Triazines
- [ ] (760) Organochlorine Pesticides
- [ ] (761) Organophosphate Pesticides
- [ ] (767) Polychlorinated Biphenyls (PCBs)
- [ ] (764) Polynuclear Aromatic Hydrocarbons
- [ ] (762) SDWA Pesticides & Herbicides

Remarks: FV #6

90 FEB 8 AM 8 49
OIL CONSERVATION DIVISION
RECEIVED

FIELD DATA:

pH=_____; Conductivity=_____umho/cm at _____°C; Chlorine Residual=_____mg/l

Dissolved Oxygen=_____mg/l; Alkalinity=_____mg/l; Flow Rate_____ ____/____

Depth to water _____ft.; Depth of well_____ft.; Perforation Interval ____-____ft.; Casing:_____

Sampling Location, Methods and Remarks (i.e. odors, etc.)

FV #6

I certify that the results in this block accurately reflect the results of my field analyses, observations and activities.(signature collector): Neil Williams Method of Shipment to the Lab: hand

CHAIN OF CUSTODY

I certify that this sample was transferred from _____ to _____

at (location) _____ on ____/____/____ - ____:____ and that

the statements in this block are correct. Evidentiary Seals: Not Sealed [ ] OR Seals Intact: Yes [ ] No [ ]

Signatures _____ _____

STATE OF NEW MEXICO HEALTH AND ENVIRONMENT DEPARTMENT
SCIENTIFIC LABORATORY DIVISION
700 Camino de Salud, NE
Albuquerque, NM 87106 [505]-841-2500
ORGANIC CHEMISTRY SECTION [505]-841-2570

January 17, 1990

ANALYTICAL REPORT
SLD Accession No. OR-89-2059

Distribution
(X) User
(X) Submitter
(X) Client
(X) SLD Files

To: EID Field Office, Farmington
724 W. Animas
Farmington, NM 87401

From: Organic Chemistry Section
Scientific Laboratory Div.
700 Camino de Salud, NE
Albuquerque, NM 87106

Re: **A purgeable water sample submitted to this laboratory on December 29, 1989**

User:
EID-Drinking Water Section
Room South 2058
1190 St. Francis Dr.
Santa Fe, NM 87503

Client:
Flora Vista Water Users Association
P.O. Box 171
Flora Vista, NM 87415

DEMOGRAPHIC DATA

COLLECTION
On: 28-Dec-89 *By:* Wil . . .
At: 12:25 hrs. *In/Near:* Flora Vista

LOCATION
WSS #: 100-24;
Flora Vista Water Users Association

ANALYTICAL RESULTS: SDWA VOC's I Screen

Parameter	Value	Note	MDL	Units
Halogenated Purgeables (33)	0.00	N	0.50	ppb
Aromatic Purgeables (6)	0.00	N	0.50	ppb

Notations & Comments:

MDL = Minimal Detectable Level.

A = Approximate Value; N = None Detected above Detection Limit; P = Compound Present, but not quantified; T = Trace (<Detection Limit); U = Compound Identity Not Confirmed.

Evidentiary Seals: Not Sealed [X]; Intact: No [ ], Yes [ ] & Broken By: _____ Date: _____

Laboratory Remarks: FV #6

Analyst: _____ 12-29-89
Steve R. Davis — Analyst, Organic Chemistry
Analysis Date

Reviewed By: _____ 1/16/90
Richard F. Meyerhein 01/16/90
Supervisor, Organic Chemistry Section

State of New Mexico
HEALTH and ENVIRONMENT DEPARTMENT
SCIENTIFIC
LABORATORY DIVISION

CHEMICAL and PHYSICAL ANALYSES for WATER SAMPLES

1-23-90

Date received	Lab No.	SLD user code No.
~~12/28/89~~	HM 0046	55420

FOR PROPER PRESERVATION OF SAMPLES, CONSULT DEFINITIONS ON REVERSE. TYPE OR PRINT WITH BALL POINT PEN.

CHEMICAL ANALYSES: *Check individual items for analysis [Mark appropriate box(es)]*

INTERIM PRIMARY PARAMETER GROUP: [X] 1 [ ] 2 [ ] 3 [ ] Complete Secondary

TYPE of CHEMICAL ANALYSIS: [ ] Organic [ ] Radiological

Water Supply System Name	Water Supply System Code No.	City or Location	County	Check one:
Flora Vista	100-24	Flora Vista	San Juan	[ ] TREATED WATER [X] RAW WATER

Collection Date	Collection Time	Collection Point	Collector's remarks	Report to
12/28/89	12:30	FV #6	NF/A- 5m HNO_3	Neil Williams

Collected By	Owner	Address
NW	FV WUA	EID 1190 St. Francis SE, NM 87501

TYPE of SYSTEM *(Check one)*: [ ] PRIVATE PUBLIC: [X] Community [ ] Non-community

SOURCE: [ ] Spring [ ] Lake [X] Well-Depth [ ] Drain [ ] Stream [ ] Pool [ ] Other *(specify)*

LAT. ° ' "

LONG ° ' "

CATIONS	mg/l	ANIONS	mg/l	PHYSICAL	mg/l	HEAVY METALS	mg/l	PARAMETER		ORGANIC	mg/l
00930 Sodium (as Na)		00940 Chloride (as Cl)		70300 Total Filterable Residue		01000 Arsenic	<0.005			39390 Endrin	
00935 Potassium (as K)		00950 Fluoride (as F)		38260 Foaming Agents (as Las)		01005 Barium	<0.1			39732 Lindane	
00900 Tot.Hardness (as $CaCO_3$)		00620 Nitrate (as N)		00095 Conductance Micromhos 25°C		01025 Cadmium	<0.001			38270 Methoxychlor	
00915 Calcium (as Ca)		00430 Alkalinity (as $CaCO_3$)		00400 pH		01030 Chromium	<0.005	RADIOLOGICAL pCi/l 01501 Gross Alpha		39400 Toxaphene	
00925 Magnesium (as Mg)		00440 Bicarbonate (as HCO_3)		01330 Odor		01049 Lead	<0.005	03501 Gross Beta	pCi/l	~~39730~~ 2, 4-D	
01045 Iron-Total (as Fe)		00445 Carbonate (as CO_3)		00080 Color	mg/l	07180 Mercury	<0.0005	09501 Radium-226	pCi/l	39740 2, 4, 5-TP (Silvex)	
01056 Manganese (as Mn)		00945 Sulfate (as SO_4)		00070 Turbidity		01145 Selenium	<0.005	11501 Radium-228	pCi/l		
						01075 Silver	<0.001				

RECEIVED FEB 22 1990 DRINKING WATER SECTION

LABORATORY REMARKS: Digest

Reviewed by: JAA

Date reported: 2/13/90

SLD 702 Form Rev. 9/84

DISTRIBUTION: **White** - Water Supply Regulation, SF • **Canary** - WS System • **Pink** - EIA Regional Office • **Goldenrod** - SLD Lab

State of New Mexico
HEALTH and ENVIRONMENT DEPARTMENT
SCIENTIFIC
LABORATORY DIVISION

CHEMICAL and PHYSICAL ANALYSES for WATER SAMPLES

Date received	Lab No.	SLD user code No.
1-23-90	WC 0126	55420

FOR PROPER PRESERVATION OF SAMPLES. CONSULT DEFINITIONS ON REVERSE. TYPE OR PRINT WITH BALL POINT PEN.

CHEMICAL ANALYSES: *Check individual items for analysis [Mark appropriate box(es)]*

INTERIM PRIMARY PARAMETER GROUP: ☐ 1 ☐ 2 ☐ 3

TYPE of CHEMICAL ANALYSIS: ☒ Complete Secondary ☐ Organic ☐ Radiological

Water Supply System Name	Water Supply System Code No.	City or Location	County	Check one:
Flora Vista	100-24	Flora Vista	San Juan	☐ TREATED WATER ☒ RAW WATER

Collection Date	Collection Time	Collection Point	Collector's remarks	Report to
12/28/89	12:30	FV #6	NF/NA	Neil Williams

Collected By	Owner	Address
NW	FVWUA	EID 1190 St. Francis SE, NM 87503

TYPE of SYSTEM *(Check one)*: ☐ PRIVATE PUBLIC: ☒ Community ☐ Non-community

SOURCE: ☐ Spring ☐ Lake ☒ Well-Depth ☐ Drain ☐ Stream ☐ Pool ☐ Other *(specify)*

LAT. ° ' "
LONG ° ' "

CATIONS	mg/l	ANIONS	mg/l	PHYSICAL		HEAVY METALS	mg/l	PARAMETER		ORGANIC	mg/l
00930 Sodium (as Na)	39	00940 Chloride (as Cl)	181	70300 Total Filterable Residue	mg/l 598	01000 Arsenic				39390 Endrin	
00935 Potassium (as K)	5	00950 Fluoride (as F)		38260 Foaming Agents (as Las)	<0.05	01005 Barium				39732 Lindane	
00900 Tot. Hardness (as $CaCO_3$)	435	00620 Nitrate (as N)		00095 Conductance Micromhos 25°C	811	01025 Cadmium				38270 Methoxychlor	
00915 Calcium (as Ca)	148	00430 Alkalinity (as $CaCO_3$)	150	00400 pH	7.54	01030 Chromium		RADIOLOGICAL pCi/l 01501 Gross Alpha		39400 Toxaphene	
00925 Magnesium (as Mg)	158	00440 Bicarbonate (as HCO_3)	183	01330 Odor	none	01049 Lead		03501 Gross Beta	pCi/l	39740 2, 4-D	
01045 Iron-Total (as Fe)		00445 Carbonate (as CO_3)	0	00080 Color	mg/l 0	07180 Mercury		09501 Radium-226	pCi/l	39740 2, 4, 5-TP (Silvex)	
01056 Manganese (as Mn)		00945 Sulfate (as SO_4)	195	00070 Turbidity	* 127	01145 Selenium		11501 Radium-228	pCi/l		
						01075 Silver					

RECEIVED
FEB 15 1990
DRINKING WATER SECTION

LABORATORY REMARKS:
* sediment present

Reviewed by

Date reported 2/6/90

SLD 702 Form Rev. 9/84

DISTRIBUTION: **White** - Water Supply Regulation, SF • **Canary** - WS System • **Pink** - EIA Regional Office • **Goldenrod** - SLD Lab

720

State of New Mexico
HEALTH and ENVIRONMENT DEPARTMENT
SCIENTIFIC
LABORATORY DIVISION

CHEMICAL and PHYSICAL ANALYSES for WATER SAMPLES

Date received	Lab No.	SLD user code No.
1-23-90	HM 0047	55420

FOR PROPER PRESERVATION OF SAMPLES, CONSULT DEFINITIONS ON REVERSE. TYPE OR PRINT WITH BALL POINT PEN.

CHEMICAL ANALYSES: *Check individual items for analysis [Mark appropriate box(es)]*

INTERIM PRIMARY PARAMETER GROUP: ☐ 1 ☐ 2 ☐ 3

TYPE of CHEMICAL ANALYSIS: ☒ Complete Secondary ☐ Organic ☐ Radiological

Water Supply System Name	Water Supply System Code No.	City or Location	County	Check one:
Flora Vista	100-24	Flora Vista	San Juan	☐ TREATED WATER ☒ RAW WATER

Collection Date	Collection Time	Collection Point	Collector's remarks	Report to
12/28/89	12:30	FV#6	NF/NA	Neil Williams

Collected By	Owner	Address
NW	FVWUA	EID 1190 St. Francis SF, NM 87503

TYPE of SYSTEM *(Check one)*: ☐ PRIVATE ☐ PUBLIC: ☒ Community ☐ Non-community

SOURCE: ☐ Spring ☐ Lake ☒ Well-Depth ☐ Drain ☐ Stream ☐ Pool ☐ Other *(specify)*

LAT. ° ' "

LONG ° ' "

CATIONS	mg/l	ANIONS	mg/l	PHYSICAL		HEAVY METALS	mg/l	PARAMETER		ORGANIC	mg/l
00930 Sodium (as Na)		00940 Chloride (as Cl)		70300 Total Filterable Residue	mg/l	01000 Arsenic				39390 Endrin	
00935 Potassium (as K)		00950 Fluoride (as F)		38260 Foaming Agents (as Las)		01005 Barium				39732 Lindane	
00900 Tot. Hardness (as $CaCO_3$)		00620 Nitrate (as N)		00095 Conductance Micromhos 25°C		01025 Cadmium				38270 Methoxychlor	
00915 Calcium (as Ca)		00430 Alkalinity (as $CaCO_3$)		00400 pH		01030 Chromium		RADIOLOGICAL pCi/l 01501 Gross Alpha		39400 Toxaphene	
00925 Magnesium (as Mg)		00440 Bicarbonate (as HCO_3)		01330 Odor		01049 Lead		03501 Gross Beta	pCi/l	39730 2, 4-D	
☒ 01045 Iron-Total (as Fe)	1.7	00445 Carbonate (as CO_3)		00080 Color	mg/l	07180 Mercury		09501 Radium-226	pCi/l	39740 2, 4, 5-TP (Silvex)	
☒ 01056 Manganese (as Mn)	0.17	00945 Sulfate (as SO_4)		00070 Turbidity		01145 Selenium		11501 Radium-228	pCi/l		
						01075 Silver					

RECEIVED
FEB 22 1990
DRINKING WATER SECTION

LABORATORY REMARKS:

& SAMPLE IN W.C. Rigsett

Reviewed by JA

Date reported 2/13/90

SLD 702 Form Rev. 9/84

DISTRIBUTION: White - Water Supply Regional SE • Canary - WS System • Pink - EIA Regional Office • Goldenrod - SLD Lab

SCIENTIFIC LABORATORY DIVISION

ORGANIC ANALYSIS REQUEST FORM

Organic Section - Phone: 841-2570

755 WEX

OR89-2051-C

REPORT TO: Neil Williams
EID, GWB/DWS
1190 St. Francis
SF, NM 87503

S.L.D. No. OR- 2057
DATE REC. 12/28/89
PRIORITY 1.5
PHONE(S): 827-0166

COLLECTION CITY: Flora Vista ; COUNTY: San Juan

COLLECTION DATE/TIME CODE: (Year-Month-Day-Hour-Minute) 8 9 | 1 2 | 2 7 | | | |

LOCATION CODE: (Township-Range-Section-Tracts) | | | + | | | + | | + | | | (30N06E24342)

USER CODE: 5 5 4 2 0 SUBMITTER: NW CODE: | |

RECEIVED
FEB 22 1990
DRINKING WATER SECTION

SAMPLE TYPE: WATER |_|, SOIL |_|, FOOD |_|, OTHER: _____

This form accompanies _____ Septum Vials, 2 Glass Jugs, and/or _____ _____

Samples were preserved as follows:

- ☐ NP: No Preservation; Sample stored at room temperature.
- ☒ P-Ice Sample stored in an ice bath (Not Frozen).
- ☐ P-AA Sample Preserved with Ascorbic Acid to remove chlorine residual.
- ☐ P-HCl Sample Preserved with Hydrochloric Acid (2 drops/40 ml)

ANALYSES REQUESTED: Please check the appropriate box(es) below to indicate the type of analytical screens needed. Whenever possible list specific compounds suspected or required.

PURGEABLE SCREENS

- ☐ (753) Aliphatic Headspace (1-5 Carbons)
- ☐ (754) Aromatic & Halogenated Purgeables
- ☐ (765) Mass Spectrometer Purgeables
- ☐ (766) Trihalomethanes
- ☐ (774) SDWA VOC's I (8 Regulated +)
- ☐ (775) SDWA VOC's II (EDB & DBCP)

Other Specific Compounds or Classes

- ☐ _____
- ☐ _____

EXTRACTABLE SCREENS

- ☐ (751) Aliphatic Hydrocarbons
- ☒ (755) Base/Neutral Extractables
- ☐ (758) Herbicides, Chlorophenoxy acid
- ☐ (759) Herbicides, Triazines
- ☐ (760) Organochlorine Pesticides
- ☐ (761) Organophosphate Pesticides
- ☐ (767) Polychlorinated Biphenyls (PCB's)
- ☐ (764) Polynuclear Aromatic Hydrocarbons
- ☐ (762) SDWA Pesticides & Herbicides

Remarks: _____

FIELD DATA:

pH=_____; Conductivity=_____umho/cm at _____°C; Chlorine Residual=_____mg/l

Dissolved Oxygen=_____mg/l; Alkalinity=_____mg/l; Flow Rate_____ ____/____

Depth to water _____ft.; Depth of well _____ft.; Perforation Interval ____-____ft.; Casing: _____

Sampling Location, Methods and Remarks (i.e. odors, etc.)

FV #6

I certify that the results in this block accurately reflect the results of my field analyses, observations and activities.(signature collector): Neil Williams Method of Shipment to the Lab: hand

CHAIN OF CUSTODY

I certify that this sample was transferred from _____ to _____

at (location) _____ on ____/____/____ - ____:____ and that

the statements in this block are correct. Evidentiary Seals: Not Sealed ☐ OR Seals Intact: Yes ☐ No ☐

Signatures _____ _____

STATE OF NEW MEXICO HEALTH AND ENVIRONMENT DEPARTMENT
SCIENTIFIC LABORATORY DIVISION
700 Camino de Salud, NE
Albuquerque, NM 87106 [505]-841-2500
ORGANIC CHEMISTRY SECTION [505]-841-2570

January 24, 1990

ANALYTICAL REPORT
SLD Accession No. OR-89-2051

Distribution
(■) Submitter
(▩) SLD Files

To: Ground Water Bureau
Environmental Improvement Division
1190 St. Francis Dr.
Santa Fe, 87503

From: Organic Chemistry Section
Scientific Laboratory Div.
700 Camino de Salud, NE
Albuquerque, NM 87106

Re: **An extractable water sample submitted to this laboratory on December 29, 1989**

DEMOGRAPHIC DATA

COLLECTION
On: 27-Dec-89 *By:* Wil . . .
At: 0:00 hrs. *In/Near:* Flora Vista

LOCATION

ANALYTICAL RESULTS: Base/Neutral Extractable Screen

Parameter	Value	Note	MDL	Units
Base/Neutral Extractables	0.00	N	10.00	ppb

Notations & Comments:
MDL = Minimal Detectable Level.
A = Approximate Value; N = None Detected above Detection Limit; P = Compound Present, but not quantified; T = Trace (<Detection Limit); U = Compound Identity Not Confirmed.
Evidentiary Seals: Not Sealed [X]; Intact: No [ ], Yes [ ] & Broken By: _____ Date: _____

Laboratory Remarks: FV #6

Analyst: _____ 1-22-90 **Reviewed By:** _____
Michael J. Owen — Analysis Date
Analyst, Organic Chemistry
Richard F. Meyerhein 01/24/90
Supervisor, Organic Chemistry Section

753 wex

SCIENTIFIC LABORATORY DIVISION

ORGANIC ANALYSIS REQUEST FORM

Organic Section - Phone: 841-2570

OR89-2052-C

REPORT TO: Neil Williams
EID, GWB/DWS
1190 St. Francis
S.F., NM 87503

S.L.D. No. OR- 2052
DATE REC. 12/28/89
PRIORITY 1.5
PHONE(S): 827-0166

COLLECTION CITY: Flora Vista ; COUNTY: San Juan

COLLECTION DATE/TIME CODE: (Year-Month-Day-Hour-Minute) 89 1 2 28 | | | |

LOCATION CODE: (Township-Range-Section-Tracts) | | | + | | + | + | | | | (10N06E24342)

USER CODE: 5 5 4 2 0 SUBMITTER: NW CODE: | | |

SAMPLE TYPE: WATER [X], SOIL [ ], FOOD [ ], OTHER:

This form accompanies ____ Septum Vials, 2 Glass Jugs, and/or ____

RECEIVED
FEB 22 1990
DRINKING WATER SECTION

Samples were preserved as follows:

- [ ] NP: No Preservation; Sample stored at room temperature.
- [X] P-Ice Sample stored in an ice bath (Not Frozen).
- [ ] P-AA Sample Preserved with Ascorbic Acid to remove chlorine residual.
- [ ] P-HCl Sample Preserved with Hydrochloric Acid (2 drops/40 ml)

ANALYSES REQUESTED: Please check the appropriate box(es) below to indicate the type of analytical screens required. Whenever possible list specific compounds suspected or required.

PURGEABLE SCREENS

- [ ] (753) Aliphatic Headspace (1-5 Carbons)
- [ ] (754) Aromatic & Halogenated Purgeables
- [ ] (765) Mass Spectrometer Purgeables
- [ ] (766) Trihalomethanes
- [ ] (774) SDWA VOC's I (8 Regulated +)
- [ ] (775) SDWA VOC's II (EDB & DBCP)

Other Specific Compounds or Classes

- [ ] _____
- [ ] _____

EXTRACTABLE SCREENS

- [ ] (751) Aliphatic Hydrocarbons
- [X] (755) Base/Neutral Extractables
- [ ] (758) Herbicides, Chlorophenoxy acid
- [ ] (759) Herbicides, Triazines
- [ ] (760) Organochlorine Pesticides
- [ ] (761) Organophosphate Pesticides
- [ ] (767) Polychlorinated Biphenyls (PCB's)
- [ ] (764) Polynuclear Aromatic Hydrocarbons
- [ ] (762) SDWA Pesticides & Herbicides

Remarks: _____

FIELD DATA:

pH=_____; Conductivity=_____umho/cm at _____°C; Chlorine Residual=_____mg/l

Dissolved Oxygen=_____mg/l; Alkalinity=_____mg/l; Flow Rate_____ ____/____

Depth to water _____ft.; Depth of well _____ft.; Perforation Interval _____-_____ft.; Casing: _____

Sampling Location, Methods and Remarks (i.e. odors, etc.)

FV #6

I certify that the results in this block accurately reflect the results of my field analyses, observations and activities.(signature collector): Neil Williams Method of Shipment to the Lab: hand

CHAIN OF CUSTODY

I certify that this sample was transferred from _____ to _____

at (location) _____ on ____/____/____ - ____:____ and that

the statements in this block are correct. Evidentiary Seals: Not Sealed [ ] OR Seals Intact: Yes [ ] No [ ]

Signatures _____ _____

ANALYSES PERFORMED

LAB. No.: OR-

THIS PAGE FOR LABORATORY RESULTS ONLY

This sample was tested using the analytical screening method(s) checked below:

PURGEABLE SCREENS

- ☐ (753) Aliphatic Headspace (1-5 Carbons)
- ☐ (754) Aromatic & Halogenated Purgeables
- ☐ (765) Mass Spectrometer Purgeables
- ☐ (766) Trihalomethanes
- ☐ (774) SDWA VOC's I (8 Regulated +)
- ☐ (775) SDWA VOC's II (EDB & DBCP)

Other Specific Compounds or Classes

- ☐ _____
- ☐ _____

EXTRACTABLE SCREENS

- ☐ (751) Aliphatic Hydrocarbons
- ☐ (755) Base/Neutral Extractables
- ☐ (758) Herbicides, Chlorophenoxy acid
- ☐ (759) Herbicides, Triazines
- ☐ (760) Organochlorine Pesticides
- ☐ (761) Organophosphate Pesticides
- ☐ (767) Polychlorinated Biphenyls (PCB's)
- ☐ (764) Polynuclear Aromatic Hydrocarbons
- ☐ (762) SDWA Pesticides & Herbicides

ANALYTICAL RESULTS

COMPOUND(S) DETECTED	CONC. [PPB]	COMPOUND(S) DETECTED	CONC. [PPB]
* DETECTION LIMIT * *		+ DETECTION LIMIT + †	

ABBREVIATIONS USED:

N D = NONE DETECTED AT OR ABOVE THE STATED DETECTION LIMIT

T R = DETECTED AT A LEVEL BELOW THE STATED DETECTION LIMIT (NOT CONFIRMED)

[RESULTS IN BRACKETS] ARE UNCONFIRMED AND/OR WITH APPROXIMATE QUANTITATION

LABORATORY REMARKS: _____

CERTIFICATE OF ANALYTICAL PERSONNEL

Seal(s) Not Sealed ☐ Intact: Yes ☐ No ☐. Seal(s) broken by: _____ date: _____

I certify that I followed standard laboratory procedures on handling and analysis of this sample unless otherwise noted and that the statements on this page accurately reflect the analytical results for this sample.

Date(s) of analysis: _____. Analyst's signature: _____

I certify that I have reviewed and concur with the analytical results for this sample and with the statements in this block.

Reviewers signature: _____

STATE OF NEW MEXICO HEALTH AND ENVIRONMENT DEPARTMENT
SCIENTIFIC LABORATORY DIVISION
700 Camino de Salud, NE
Albuquerque, NM 87106 [505]-841-2500
ORGANIC CHEMISTRY SECTION [505]-841-2570

January 24, 1990

ANALYTICAL REPORT
SLD Accession No. OR-89-2052

Distribution
(■) Submitter
(▩) SLD Files

To: Ground Water Bureau
Environmental Improvement Division
1190 St. Francis Dr.
Santa Fe, 87503

From: Organic Chemistry Section
Scientific Laboratory Div.
700 Camino de Salud, NE
Albuquerque, NM 87106

Re: **An extractable water sample submitted to this laboratory on December 29, 1989**

DEMOGRAPHIC DATA

COLLECTION
On: 28-Dec-89 *By:* Wil . . .
At: 0:00 hrs. *In/Near:* Flora Vista

LOCATION

ANALYTICAL RESULTS: Base/Neutral Extractable Screen

Parameter	Value	Note	MDL	Units
Base/Neutral Extractables	0.00	N	10.00	ppb

Notations & Comments:

MDL = Minimal Detectable Level.

A = Approximate Value; N = None Detected above Detection Limit; P = Compound Present, but not quantified; T = Trace (<Detection Limit); U = Compound Identity Not Confirmed.

Evidentiary Seals: Not Sealed [X]; Intact: No [ ], Yes [ ] & Broken By: _____ Date: _____

Laboratory Remarks: FV #6

Analyst: M J Owen 1-22-90
Michael J. Owen — Analysis Date
Analyst, Organic Chemistry

Reviewed By: R Meyerhein
Richard F. Meyerhein 01/24/90
Supervisor, Organic Chemistry Section

SCIENTIFIC LABORATORY DIVISION

700 Camino de Salud NE
Albuquerque, NM 87106 841-2570

754

RECEIVED JAN 22 1990

RECEIVED 90 FEB 8 AM 8 48

OR89-2045-C

REPORT TO: David Tomkus / Mike Williams
EID
724 W. Animas
Farmington, NM. 87401

S.L.D. NO OR-

DATE REC. 12/22/89

PRIORITY 7

PHONE(S): 327-9845 / 327-0166

COLLECTION CITY: Flora Vista ; COUNTY: San Juan

COLLECTION DATE/TIME CODE: (Year-Month-Day-Hour-Minute) |8|9|1|2|2|2|0|9|3|0|

LOCATION CODE: (Township-Range-Section-Tracts) |3|0|N|+|1|2|W|+|2|7|+| | | | (10N06E24342)

USER CODE: |5|5|4|2|0| SUBMITTER: David Tomkus CODE: | | | |

SAMPLE TYPE: WATER |✓|, SOIL | |, FOOD | |, OTHER:

This form accompanies 2 Septum Vials, _____ Glass Jugs, and/or _____ _____

Samples were preserved as follows:

- [ ] NP: No Preservation; Sample stored at room temperature.
- [✓] P-Ice Sample stored in an ice bath (Not Frozen).
- [✓] P-$Na_2S_2O_3$ Sample Preserved with Sodium Thiosulfate to remove chlorine residual.

ANALYSES REQUESTED: Please check the appropriate box(es) below to indicate the type of analytical screens required. Whenever possible list specific compounds suspected or required.

PURGEABLE SCREENS

- [ ] (753) Aliphatic Headspace (1-5 Carbons)
- [✓] (754) Aromatic & Halogenated Purgeables
- [ ] (765) Mass Spectrometer Purgeables
- [ ] (766) Trihalomethanes

Other Specific Compounds or Classes

- [ ] _____
- [ ] _____
- [ ] _____
- [ ] _____
- [ ] _____

EXTRACTABLE SCREENS

- [ ] (751) Aliphatic Hydrocarbons
- [ ] (755) Base/Neutral Extractables
- [ ] (758) Herbicides, Chlorophenoxy acid
- [ ] (759) Herbicides, Triazines
- [ ] (760) Organochlorine Pesticides
- [ ] (761) Organophosphate Pesticides
- [ ] (767) Polychlorinated Biphenyls (PCB's)
- [ ] (764) Polynuclear Aromatic Hydrocarbons
- [ ] (762) SDWA Pesticides & Herbicides

Remarks: _____

FIELD DATA:

pH=_____; Conductivity=_____umho/cm at _____°C; Chlorine Residual=_____mg/l

Dissolved Oxygen=_____mg/l; Alkalinity=_____mg/l; Flow Rate_____ _____/_____

Depth to water 5 ft.; Depth of well 20 ft.; Perforation Interval _____-_____ft.; Casing:_____

Sampling Location, Methods and Remarks (i.e. odors, etc.)

Flora Vista well #6. Sampled with bailer. ~~Rinsed bailer with~~

~~[illegible]~~

I certify that the results in this block, accurately reflect the results of my field analyses, observations and sampling activities.(signature collector): David Tomkus Method of Shipment to the Lab: Hand Delivery

CHAIN OF CUSTODY

I certify that this sample was transferred from _____ to _____

at (location) _____ on _____/_____/_____ - _____:_____ and that the statements in this block are correct. Evidentiary Seals: Not Sealed [ ] OR Seals Intact: Yes [ ] No [ ]

Signatures _____ _____

STATE OF NEW MEXICO HEALTH AND ENVIRONMENT DEPARTMENT
SCIENTIFIC LABORATORY DIVISION
700 Camino de Salud, NE
Albuquerque, NM 87106 [505]-841-2500
ORGANIC CHEMISTRY SECTION [505]-841-2570

December 27, 1989

ANALYTICAL REPORT
SLD Accession No. OR-89-2045

Distribution
(■) User
(※) Submitter
(※) SLD Files

To:

From: Organic Chemistry Section
Scientific Laboratory Div.
700 Camino de Salud, NE
Albuquerque, NM 87106

Re: **A purgeable water sample submitted to this laboratory on December 22, 1989**

Submitter:
EID Field Office, Farmington
724 W. Animas
Farmington, NM 87401

DEMOGRAPHIC DATA

COLLECTION		*LOCATION*	
On: 22-Dec-89	*By:* Tom . . .	*Township:* 30N	*Section:* 27
At: 9:30 hrs.	*In/Near:* Flora Vista	*Range:* 12W	*Tract:*

ANALYTICAL RESULTS: Aromatic & Halogenated Purgeable Screen

Parameter	Value	Note	MDL	Units
Halogenated Purgeables (33)	0.00	N	0.50	ppb
Ethylbenzene	0.00	N	1.00	ppb

Notations & Comments:

MDL = Minimal Detectable Level.

A = Approximate Value; N = None Detected above Detection Limit; P = Compound Present, but not quantified;
T = Trace (<Detection Limit); U = Compound Identity Not Confirmed.

Evidentiary Seals: Not Sealed[X]; Intact: No[ ], Yes[ ] & Broken By: _____ Date: _____

Laboratory Remarks: Well #6; phoned result 12/22

Analyst: R Meyerhein 12/22/89
Richard F. Meyerhein
Supervisor, Organic Chemistry
Analysis Date

Reviewed By: R Meyerhein
Richard F. Meyerhein 12/27/89
Supervisor, Organic Chemistry Section

STATE OF NEW MEXICO HEALTH AND ENVIRONMENT DEPARTMENT
SCIENTIFIC LABORATORY DIVISION
700 Camino de Salud, NE
Albuquerque, NM 87106 [505]-841-2500
ORGANIC CHEMISTRY SECTION [505]-841-2570

December 27, 1989

ANALYTICAL REPORT
SLD Accession No. OR-89-2045

Distribution
(X) User
(X) Submitter
(X) SLD Files

To: EID Field Office, Farmington
724 W. Animas
Farmington, NM 87401

From: Organic Chemistry Section
Scientific Laboratory Div.
700 Camino de Salud, NE
Albuquerque, NM 87106

Re: **A purgeable water sample submitted to this laboratory on December 22, 1989**

DEMOGRAPHIC DATA

COLLECTION

On: 22-Dec-89 *By:* Tom . . .
At: 9:30 hrs. *In/Near:* Flora Vista

LOCATION

Township: 30N *Section:* 27
Range: 12W *Tract:*

ANALYTICAL RESULTS: Aromatic & Halogenated Purgeable Screen

Parameter	Value	Note	MDL	Units
Halogenated Purgeables (33)	0.00	N	0.50	ppb
Ethylbenzene	0.00	N	1.00	ppb

Notations & Comments:

MDL = Minimal Detectable Level.

A = Approximate Value; N = None Detected above Detection Limit; P = Compound Present, but not quantified; T = Trace (<Detection Limit); U = Compound Identity Not Confirmed.

Evidentiary Seals: Not Sealed [X]; , Intact: No [ ], Yes [ ] & Broken By: _____ Date: _____

Laboratory Remarks: Well #6; phoned result 12/22

Analyst: R Meyerhein 12/22/89
Richard F. Meyerhein Analysis
Supervisor, Organic Chemistry Date

Reviewed By: R Meyerhein
Richard F. Meyerhein 12/27/89
Supervisor, Organic Chemistry Section

SCIENTIFIC LABORATORY DIVISION
ORGANIC ANALYSIS REQUEST FORM
Organic Section - Phone: 841-2570

OR89-2058-C

REPORT TO: Neil Williams
EID, GWB/DWS
1190 St. Francis
S F, N M 87503

S.L.D. No. OR- 2058
DATE REC. 12/28/89
PRIORITY 1.5
PHONE(S): 827-0166

COLLECTION CITY: Flora Vista ; COUNTY: San Juan

COLLECTION DATE/TIME CODE: (Year-Month-Day-Hour-Minute) 8 9 1 1 2 1 2 7 0 4 3 1 0

LOCATION CODE: (Township-Range-Section-Tracts) | | | + | | + | | + | | | (10N06E24342)

USER CODE: 5 1 5 1 4 2 1 0 SUBMITTER: N W CODE: | | |

SAMP E TYPE: WATER [X], SOIL [ ], FOOD [ ], OTHER: _____

...orm accompanies 2 Septum Vials, ____ Glass Jugs, and/or ____ _____

...ples were preserved as follows:

- [ ] NP: No Preservation; Sample stored at room temperature.
- [ ] P-Ice Sample stored in an ice bath (Not Frozen).
- [ ] P-AA Sample Preserved with Ascorbic Acid to remove chlorine residual.
- [ ] P-HCl Sample Preserved with Hydrochloric Acid (2 drops/40 ml)

RECEIVED
JAN 24 1990
DRINKING WATER SECTION

ANALYSES REQUESTED: Please check the appropriate box(es) below to indicate the type of analytical screens required. Whenever possible list specific compounds suspected or required.

PURGEABLE SCREENS

- [ ] (753) Aliphatic Headspace (1-5 Carbons)
- [ ] (754) Aromatic & Halogenated Purgeables
- [ ] (765) Mass Spectrometer Purgeables
- [ ] (766) Trihalomethanes
- [X] (774) SDWA VOC's I (8 Regulated +)
- [ ] (775) SDWA VOC's II (EDB & DBCP)

Other Specific Compounds or Classes

- [ ] _____
- [ ] _____

EXTRACTABLE SCREENS

- [ ] (751) Aliphatic Hydrocarbons
- [ ] (755) Base/Neutral Extractables
- [ ] (758) Herbicides, Chlorophenoxy acid
- [ ] (759) Herbicides, Triazines
- [ ] (760) Organochlorine Pesticides
- [ ] (761) Organophosphate Pesticides
- [ ] (767) Polychlorinated Biphenyls (PCB's)
- [ ] (764) Polynuclear Aromatic Hydrocarbons
- [ ] (762) SDWA Pesticides & Herbicides

RECEIVED 90 FEB 8 PM 4 9 OIL CONSERVATION DIVISION

Remarks: _____

FIELD DATA:

pH=_____; Conductivity=_____umho/cm at _____°C; Chlorine Residual=_____mg/l

Dissolved Oxygen=_____mg/l; Alkalinity=_____mg/l; Flow Rate_____ _____/_____

Depth to water ____ ft.; Depth of well_____ft.; Perforation Interval _____-_____ft.; Casing:_____

Sampling Location, Methods and Remarks (i.e. odors, etc.)

FV #6

I certify that the results in this block accurately reflect the results of my field analyses, observations and activities.(signature collector): Neil Williams Method of Shipment to the Lab: hand

CHAIN OF CUSTODY

I certify that this sample was transferred from _____ to _____

at (location) _____ on ____/____/____ - ____:____ and that

the statements in this block are correct. Evidentiary Seals: Not Sealed [ ] OR Seals Intact: Yes [ ] No [ ]

Signatures _____ _____

STATE OF NEW MEXICO HEALTH AND ENVIRONMENT DEPARTMENT

SCIENTIFIC LABORATORY DIVISION

700 Camino de Salud, NE
Albuquerque, NM 87106 [505]-841-2500
ORGANIC CHEMISTRY SECTION [505]-841-2570

January 17, 1990

ANALYTICAL REPORT
SLD Accession No. OR-89-2058

Distribution
(X) User
(X) Submitter
(X) Client
(X) SLD Files

To: EID Field Office, Farmington
724 W. Animas
Farmington, NM 87401

From: Organic Chemistry Section
Scientific Laboratory Div.
700 Camino de Salud, NE
Albuquerque, NM 87106

Re: **A purgeable water sample submitted to this laboratory on December 29, 1989**

User:
EID-Drinking Water Section
Room South 2058
1190 St. Francis Dr.
Santa Fe, NM 87503

Client:
Flora Vista Water Users Association
P.O. Box 171
Flora Vista, NM 87415

DEMOGRAPHIC DATA

COLLECTION
On: 27-Dec-89 *By:* Wil . . .
At: 4:30 hrs. *In/Near:* Flora Vista

LOCATION
WSS #: 100-24;
Flora Vista Water Users Association

ANALYTICAL RESULTS: SDWA VOC's I Screen

Parameter	Value	Note	MDL	Units
Halogenated Purgeables (33)	0.00	N	0.50	ppb
Aromatic Purgeables (6)	0.00	N	0.50	ppb

Notations & Comments:

MDL = Minimal Detectable Level.

A = Approximate Value; N = None Detected above Detection Limit; P = Compound Present, but not quantified;
T = Trace (<Detection Limit); U = Compound Identity Not Confirmed.

Evidentiary Seals: Not Sealed [X]; Intact: No [ ], Yes [ ] & Broken By: _____ Date: _____

Laboratory Remarks: FV #6

Analyst: _____ 12-29-89
Steve R. Davis — Analyst, Organic Chemistry — Analysis Date

Reviewed By: _____ 1/16/90
Richard F. Meyerhein 01/16/90
Supervisor, Organic Chemistry Section

STATE OF NEW MEXICO
ENVIRONMENT

754
3

SCIENTIFIC LABORATORY DIVISION
700 Camino de Salud NE
Albuquerque, NM 87106 841-2570

86- 0580-C

REPORT TO: DAVID G. BOYER
PLEASE PRINT
NEW MEXICO OIL CONSERVATION DIV.
P.O. BOX 2088
SANTA FE, NM 87504-2088
PHONE(S): 827-5812

S.L.D. No.: OR- 580-17.B
DATE REC. : 5/22/86
SLD PRIORITY #:

USER CODE: 8|2|2|3|5|

SUBMITTER: David Boyer
SUBMITTER CODE: | | | | |

SAMPLE TYPE: WATER ☐, SOIL ☐, OTHER ____
SAMPLE TYPE CODE: | |

COLLECTED: 86/05/21 - 14:00 BY DGB
DATE TIME INITIALS
CODE: Y Y M M D D H H M M I I I

SOURCE: ~~System Composite~~ Well
CODE: AQUIFER + DEPTH

NEAREST CITY: Not Eloid, NM
CODE:

LOCATION: ~~Well House~~ Well 5
CODE: 30N | 21W | 21 | 4 | 3 | 3 | 3 | 2
TOWNSHIP RANGE SECTION TRACTS

pH=____; Conductivity=____umho/cm at ____°C; Chlorine Residual=____
Dissolved Oxygen=____mg/l; Alkalinity=____; Flow Rate=____
Sampling Location, Methods and Remarks (i.e. odors, etc.)
~~Sample from Pump House tap~~ DGB
Sample from well, Hydrocarbon sheen & odor

Note: Water sample collected by David Boyer

I certify that the statements in this block accurately reflect the results of my field analyses, observations and activities. David G Boyer
Method of shipment to the Laboratory Hand carried
This form accompanies 2 Septum Vials, ___ Glass Jugs, ___ ____
Containers are marked as follows to indicate preservation:
☐ NP: No preservation; sample stored at room temperature.
☒ P-Ice Sample stored in an ice bath (not frozen).
☐ P-$Na_2S_2O_3$; Sample preserved with $Na_2S_2O_3$ to remove chlorine residual.

I (we) certify that this sample was transferred from D G Boyer
to IAF at (location) SLD on
__/__/__ - __:__ and that the statements in this block are correct.
DATE AND TIME
Evidentiary Seals: Not Sealed ☐ Seals Intact: Yes ☒ No ☐
Signatures J F Tinney D G Boyer

(we) certify that this sample was transferred from ____
to ____ at (location) ____ on
__/__/__ - __:__ and that the statements in this block are correct.
DATE AND TIME
Evidentiary Seals: Not Sealed ☐ Seals Intact: Yes ☐ No ☐
Signatures ____ ____

ANALYSES REQUESTED

LAB. No.: ORG- 580

PLEASE CHECK THE APPROPRIATE BOXES BELOW TO INDICATE THE TYPE OF ANALYTICAL SCREENS REQUIRED. WHENEVER POSSIBLE LIST SPECIFIC COMPOUNDS SUSPECTED OR REQUIRED.

QUALITATIVE	QUANTITATIVE	PURGEABLE SCREENS	QUALITATIVE	QUANTITATIVE	EXTRACTABLE SCREENS
		ALIPHATIC HYDROCARBON SCREEN			ALIPHATIC HYDROCARBONS
X	X	AROMATIC HYDROCARBON SCREEN			CHLORINATED HYDROCARBON PESTICIDES
X	X	HALOGENATED HYDROCARBON SCREEN			CHLOROPHENOXY ACID HERBICIDES
		GAS CHROMATOGRAPH/MASS SPECTROMETER			HYDROCARBON FUEL SCREEN
					ORGANOPHOSPHATE PESTICIDES
					POLYCHLORINATED BIPHENYLS (PCB's)
					POLYNUCLEAR AROMATIC HYDROCARBONS
					TRIAZINE HERBICIDES
		SPECIFIC COMPOUNDS			SPECIFIC COMPOUNDS

REMARKS:

ANALYTICAL RESULTS

COMPOUND	[PPB]	COMPOUND	[PPB]
aromatic purgeables	none detected		
halogenated purgeables	none detected		
$CHCl_3$	2		
		* DETECTION LIMIT	1 ug/L

REMARKS:

CERTIFICATE OF ANALYTICAL PERSONNEL

Seal(s) Intact: Yes X NO ___. Seal(s) broken by: JF date: 6 Jun 86

I certify that I followed standard laboratory procedures on handling and analysis of this sample unless otherwise noted and that the statements in this block and the analytical data on this page accurately reflect the analytical results for this sample.

Date(s) of analysis: 6 Jun 86. Analyst's signature: [signature]

I certify that I have reviewed and concur with the analytical results for this sample and with the statements in this block. Reviewers signature: [signature]

FOR OCD USE -- Date Owner Notified _____ Phone or letter? _____ Initials _____

754
3

STATE OF NEW MEXICO
ENVIRONMENT

SCIENTIFIC LABORATORY DIVISION

700 Camino de Salud NE
Albuquerque, NM 87106 841-2570

86-0579-C

REPORT TO: DAVID G. BOYER
PLEASE PRINT
NEW MEXICO OIL CONSERVATION DIV
P.O. BOX 2088
SANTA FE, NM 87504-2088
PHONE(S): 827-5812

RECEIVED
JUN 10 1986
OIL CONSERVATION DIVISION
SANTA FE

S.L.D. No.: OR-579-HB
DATE REC. : 5/22/86
SLD PRIORITY #:

USER CODE: 8|2|2|3|5|
SUBMITTER: David
SUBMITTER CODE: | | | | |
SAMPLE TYPE: WATER [X], SOIL [ ], OTHER _____
SAMPLE TYPE CODE: | | |
COLLECTED: 86/05/21 - 13:40 BY JPB
DATE TIME INITIALS
CODE: | | | | | | | | | | | | | |
Y Y M M D D H H M M I I I
SOURCE: Well 51
CODE: | | | + | | | + | | | | | |
AQUIFER DEPTH
NEAREST CITY: Flora Vista
CODE: | | | | | | |
LOCATION: _____
CODE: 30N|12W|2|3|3|3|2|
TOWNSHIP RANGE SECTION TRACTS

pH=_____; Conductivity=_____umho/cm at _____°C; Chlorine Residual=_____
Dissolved Oxygen=_____mg/l; Alkalinity=_____; Flow Rate=_____
Sampling Location, Methods and Remarks (i.e. odors, etc.)
Strong odor & sheen

I certify that the statements in this block accurately reflect the results of my field analyses, observations and activities. D.G. Boyer
Method of shipment to the Laboratory Hand carried
This form accompanies 2 Septum Vials, ___ Glass Jugs, ___ _____
Containers are marked as follows to indicate preservation:
[ ] NP: No preservation; sample stored at room temperature.
[X] P-Ice Sample stored in an ice bath (not frozen).
[ ] P-$Na_2S_2O_3$; Sample preserved with $Na_2S_2O_3$ to remove chlorine residual.

I (we) certify that this sample was transferred from D.G. Boyer
to JAF at (location) SLD on
__/__/__ - __:__ and that the statements in this block are correct.
DATE AND TIME
Evidentiary Seals: Not Sealed [ ] Seals Intact: Yes [X] No [ ]
Signatures J. Tinney D.G. Boyer

(we) certify that this sample was transferred from _____
to _____ at (location) _____ on
__/__/__ - __:__ and that the statements in this block are correct.
DATE AND TIME
Evidentiary Seals: Not Sealed [ ] Seals Intact: Yes [ ] No [ ]
Signatures _____

ANALYSES REQUESTED LAB. No.: ORG- 579

PLEASE CHECK THE APPROPRIATE BOXES BELOW TO INDICATE THE TYPE OF ANALYTICAL SCREENS REQUIRED. WHENEVER POSSIBLE LIST SPECIFIC COMPOUNDS SUSPECTED OR REQUIRED.

QUALITATIVE	QUANTITATIVE	PURGEABLE SCREENS	QUALITATIVE	QUANTITATIVE	EXTRACTABLE SCREENS
		ALIPHATIC HYDROCARBON SCREEN			ALIPHATIC HYDROCARBONS
X	X	AROMATIC HYDROCARBON SCREEN			CHLORINATED HYDROCARBON PESTICIDES
X	X	HALOGENATED HYDROCARBON SCREEN			CHLOROPHENOXY ACID HERBICIDES
		GAS CHROMATOGRAPH/MASS SPECTROMETER			HYDROCARBON FUEL SCREEN
					ORGANOPHOSPHATE PESTICIDES
					POLYCHLORINATED BIPHENYLS (PCB's)
					POLYNUCLEAR AROMATIC HYDROCARBONS
					TRIAZINE HERBICIDES
		SPECIFIC COMPOUNDS			SPECIFIC COMPOUNDS

REMARKS:

ANALYTICAL RESULTS

COMPOUND	[PPB]	COMPOUND	[PPB]
aromatic purgeables	none detected		
halogenated purgeables	none detected		
		DETECTION LIMIT	1 ug/l
			1 ug/l
		* DETECTION LIMIT	1

REMARKS:

CERTIFICATE OF ANALYTICAL PERSONNEL

Seal(s) Intact: Yes X NO ~~X~~ Seal(s) broken by: TP date: 6 Jun 86

I certify that I followed standard laboratory procedures on handling and analysis of this sample unless otherwise noted and that the statements in this block and the analytical data on this page accurately reflect the analytical results for this sample.

Date(s) of analysis: 6 Jun 86. Analyst's signature: [signature]

I certify that I have reviewed and concur with the analytical results for this sample and with the statements in this block. Reviewers signature: [signature]

FOR OCD USE -- Date Owner Notified _____ Phone or letter? _____ Initials _____

STATE OF ENVIRONMENT

86-0582-C

754
3

SCIENTIFIC LABORATORY DIVISION
700 Camino de Salud NE
Albuquerque, NM 87106 841-2570

REPORT TO: DAVID G. BOYER
PLEASE PRINT
NEW MEXICO OIL CONSERVATION DIVISION
P.O. BOX 2088
SANTA FE, NM 87504-2088
PHONE(S): 827-5812

S.L.D. No.: OR- 582-17.B
DATE REC. : 5/22/86
SLD PRIORITY #:

USER CODE: 8|2|2|3|5

SUBMITTER: David Boyer
SUBMITTER CODE: | | | | |

SAMPLE TYPE: WATER [X], SOIL [ ], OTHER _____
SAMPLE TYPE CODE: | | |

COLLECTED: 86/05/21 (DATE) - 11:40 (TIME) BY DGB (INITIALS)
CODE: Y Y M M D D H H M M I I I

SOURCE: Well S1
CODE: | | | + | | | + | | | | | (AQUIFER + DEPTH)

NEAREST CITY: Sloan Vista
CODE: | | | | | |

LOCATION: _____
CODE: R|1|0|N|1|2|W|2|3|3|3|2| (TOWNSHIP RANGE SECTION TRACTS)

pH=_____; Conductivity=_____umho/cm at _____°C; Chlorine Residual=_____
Dissolved Oxygen=_____mg/l; Alkalinity=_____; Flow Rate=_____
Sampling Location, Methods and Remarks (i.e. odors, etc.)
Hydrocarbon odor, sheen

I certify that the statements in this block accurately reflect the results of my field analyses, observations and activities. David Boyer
Method of shipment to the Laboratory Hand carried
This form accompanies 2 Septum Vials, ___Glass Jugs, ___ _____
Containers are marked as follows to indicate preservation:
[ ] NP: No preservation; sample stored at room temperature.
[X] P-Ice Sample stored in an ice bath (not frozen).
[ ] P-$Na_2S_2O_3$; Sample preserved with $Na_2S_2O_3$ to remove chlorine residual.

I (we) certify that this sample was transferred from DGB
to JAF at (location) SLD on
__/__/__ - __:__ (DATE AND TIME) and that the statements in this block are correct.
Evidentiary Seals: Not Sealed [ ] Seals Intact: Yes [X] No [ ]
Signatures JK Zunney DGB Boyer

(we) certify that this sample was transferred from _____
to _____ at (location) _____ on
__/__/__ - __:__ (DATE AND TIME) and that the statements in this block are correct.
Evidentiary Seals: Not Sealed [ ] Seals Intact: Yes [ ] No [ ]
Signatures _____

ANALYSES REQUESTED

LAB. No.: ORG- 582

PLEASE CHECK THE APPROPRIATE BOXES BELOW TO INDICATE THE TYPE OF ANALYTICAL SCREENS REQUIRED. WHENEVER POSSIBLE LIST SPECIFIC COMPOUNDS SUSPECTED OR REQUIRED.

QUALITATIVE	QUANTITATIVE	PURGEABLE SCREENS	QUALITATIVE	QUANTITATIVE	EXTRACTABLE SCREENS
		ALIPHATIC HYDROCARBON SCREEN			ALIPHATIC HYDROCARBONS
X	X	AROMATIC HYDROCARBON SCREEN			CHLORINATED HYDROCARBON PESTICIDES
X	X	HALOGENATED HYDROCARBON SCREEN			CHLOROPHENOXY ACID HERBICIDES
		GAS CHROMATOGRAPH/MASS SPECTROMETER			HYDROCARBON FUEL SCREEN
					ORGANOPHOSPHATE PESTICIDES
					POLYCHLORINATED BIPHENYLS (PCB's)
					POLYNUCLEAR AROMATIC HYDROCARBONS
					TRIAZINE HERBICIDES
		SPECIFIC COMPOUNDS			SPECIFIC COMPOUNDS

REMARKS:

ANALYTICAL RESULTS

COMPOUND	[PPB]	COMPOUND	[PPB]
aromatic purgeables	none detected		
halogenated purgeables	none detected		
		* DETECTION LIMIT	1 ug/L

REMARKS:

CERTIFICATE OF ANALYTICAL PERSONNEL

Seal(s) Intact: Yes X NO ___. Seal(s) broken by 6 Jun 86 JF date: 6 Jun 86

I certify that I followed standard laboratory procedures on handling and analysis of this sample unless otherwise noted and that the statements in this block and the analytical data on this page accurately reflect the analytical results for this sample.

Date(s) of analysis: 6 Jun 86. Analyst's signature: J K Kinney

I certify that I have reviewed and concur with the analytical results for this sample and with the statements in this block. Reviewers signature: L Meyerhen

FOR OCD USE -- Date Owner Notified _____ Phone or letter? _____ Initials _____

754
3

ENVIRONMENT — STATE OF NEW MEXICO

86-0581-C

SCIENTIFIC LABORATORY DIVISION
700 Camino de Salud NE
Albuquerque, NM 87106 841-2570

RECEIVED
SANTA FE, NM 87504-2088
OIL CONSERVATION DIVISION

REPORT TO: DAVID G. BOYER
PLEASE PRINT
NEW MEXICO OIL CONSERVATION DIV.
P.O. BOX 2088
SANTA FE, NM 87504-2088

S.L.D. No.: OR- 581-H-B
DATE REC. : 5/22/86
SLD PRIORITY #:

PHONE(S): 827-5812
USER CODE: 8|2|2|3|5

SUBMITTER: David Boyer
SUBMITTER CODE:

SAMPLE TYPE: WATER [X], SOIL [ ], OTHER
SAMPLE TYPE CODE:

COLLECTED: 86/05/21 - 09:35 BY D&B
DATE TIME INITIALS
CODE: Y Y M M D D H H M M I I I

SOURCE: Well #1
CODE: AQUIFER DEPTH

NEAREST CITY: Flora Vista
CODE:

LOCATION:
CODE: 30N 12W 21 3 3 3 2
TOWNSHIP RANGE SECTION TRACTS

pH=_____; Conductivity=_____umho/cm at _____°C; Chlorine Residual=_____

Dissolved Oxygen=_____mg/l; Alkalinity=_____; Flow Rate=_____

Sampling Location, Methods and Remarks (i.e. odors, etc.)
Hydrocarbon odor & sheen on water

I certify that the statements in this block accurately reflect the results of my field analyses, observations and activities. David Boyer

Method of shipment to the Laboratory Hand carried

This form accompanies 2 Septum Vials, ___ Glass Jugs, ___

Containers are marked as follows to indicate preservation:

- [ ] NP: No preservation; sample stored at room temperature.
- [X] P-Ice Sample stored in an ice bath (not frozen).
- [ ] P-$Na_2S_2O_3$; Sample preserved with $Na_2S_2O_3$ to remove chlorine residual.

I (we) certify that this sample was transferred from David Boyer to JAF at (location) SID on __/__/__ - __:__ (DATE AND TIME) and that the statements in this block are correct.

Evidentiary Seals: Not Sealed [ ] Seals Intact: Yes [X] No [ ]

Signatures JA Finney David Boyer

(we) certify that this sample was transferred from _____ to _____ at (location) _____ on __/__/__ - __:__ (DATE AND TIME) and that the statements in this block are correct.

Evidentiary Seals: Not Sealed [ ] Seals Intact: Yes [ ] No [ ]

Signatures _____

ANALYSES REQUESTED

LAB. No.: ORG- 581

PLEASE CHECK THE APPROPRIATE BOXES BELOW TO INDICATE THE TYPE OF ANALYTICAL SCREENS REQUIRED. WHENEVER POSSIBLE LIST SPECIFIC COMPOUNDS SUSPECTED OR REQUIRED.

QUALITATIVE	QUANTITATIVE	PURGEABLE SCREENS	QUALITATIVE	QUANTITATIVE	EXTRACTABLE SCREENS
		ALIPHATIC HYDROCARBON SCREEN			ALIPHATIC HYDROCARBONS
X	X	AROMATIC HYDROCARBON SCREEN			CHLORINATED HYDROCARBON PESTICIDES
X	X	HALOGENATED HYDROCARBON SCREEN			CHLOROPHENOXY ACID HERBICIDES
		GAS CHROMATOGRAPH/MASS SPECTROMETER			HYDROCARBON FUEL SCREEN
					ORGANOPHOSPHATE PESTICIDES
					POLYCHLORINATED BIPHENYLS (PCB's)
					POLYNUCLEAR AROMATIC HYDROCARBONS
					TRIAZINE HERBICIDES
		SPECIFIC COMPOUNDS			SPECIFIC COMPOUNDS

REMARKS:

ANALYTICAL RESULTS

COMPOUND	[PPB]	COMPOUND	[PPB]
aromatic purgeables	none detected		
halogenated purgeables	none detected		
		* DETECTION LIMIT	1 ug/L

REMARKS:

CERTIFICATE OF ANALYTICAL PERSONNEL

Seal(s) Intact: Yes X NO ___. Seal(s) broken by: JF date: 6 Jun 86

I certify that I followed standard laboratory procedures on handling and analysis of this sample unless otherwise noted and that the statements in this block and the analytical data on this page accurately reflect the analytical results for this sample.

Date(s) of analysis: 6 Jun 86. Analyst's signature: JA Tinney

I certify that I have reviewed and concur with the analytical results for this sample and with the statements in this block. Reviewers signature: L Meyerhen

FOR OCD USE -- Date Owner Notified _____ Phone or letter? _____ Initials _____

STATE OF NEW MEXICO
ENVIRONMENT

SCIENTIFIC LABORATORY DIVISION
700 Camino de Salud NE
Albuquerque, NM 87106 841-2570

86- 0491-C

REPORT TO: DAVID G. BOYER
PLEASE PRINT
NEW MEXICO OIL CONSERVATION DIV.
P.O. BOX 2088
SANTA FE, NM 87504-2088
PHONE(S): 827-5812

S.L.D. No.: OR- 49-17.B
DATE REC. : 4/28/86
SLD PRIORITY #:

USER CODE: 8 2 2 3 5

SUBMITTER: DAVID BOYER
SUBMITTER CODE:

SAMPLE TYPE: WATER ☒, SOIL ☐, OTHER
SAMPLE TYPE CODE:

COLLECTED: 4/25/86 - 10:50 BY DB
DATE TIME INITIALS
CODE: 8 6 0 4 2 5 1 0 5 0 0 3
Y Y M M D D H H M M I I I

SOURCE: WELL 51
CODE: AQUIFER DEPTH

NEAREST CITY: FLORA VISTA
CODE:

LOCATION:
CODE: TOWNSHIP RANGE SECTION TRACTS

pH=_____; Conductivity=_____umho/cm at _____°C; Chlorine Residual=_____
Dissolved Oxygen=_____mg/l; Alkalinity=_____; Flow Rate=_____
Sampling Location, Methods and Remarks (i.e. odors, etc.)

RECOVERY - Slight hydrocarbon odor

I certify that the statements in this block accurately reflect the results of my field analyses, observations and activities. David Boyer
Method of shipment to the Laboratory hand carried
This form accompanies 2 Septum Vials, ___ Glass Jugs, ___
Containers are marked as follows to indicate preservation:
☐ NP: No preservation; sample stored at room temperature.
☒ P-Ice Sample stored in an ice bath (not frozen).
☐ P-$Na_2S_2O_3$; Sample preserved with $Na_2S_2O_3$ to remove chlorine residual.

I (we) certify that this sample was transferred from David Boyer OCD
to JF at (location) SLD on
__/__/__ - __:__ and that the statements in this block are correct.
DATE AND TIME
Evidentiary Seals: Not Sealed ☐ Seals Intact: Yes ☒ No ☐
Signatures JF Tinney David F Boyer

(we) certify that this sample was transferred from _____
to _____ at (location) _____ on
__/__/__ - __:__ and that the statements in this block are correct.
DATE AND TIME
Evidentiary Seals: Not Sealed ☐ Seals Intact: Yes ☐ No ☐
Signatures _____

ANALYSES REQUESTED

LAB. No.: ORG- 491

PLEASE CHECK THE APPROPRIATE BOXES BELOW TO INDICATE THE TYPE OF ANALYTICAL SCREENS REQUIRED. WHENEVER POSSIBLE LIST SPECIFIC COMPOUNDS SUSPECTED OR REQUIRED.

QUALITATIVE	QUANTITATIVE	PURGEABLE SCREENS	QUALITATIVE	QUANTITATIVE	EXTRACTABLE SCREENS
		ALIPHATIC HYDROCARBON SCREEN			ALIPHATIC HYDROCARBONS
✓	X	AROMATIC HYDROCARBON SCREEN			CHLORINATED HYDROCARBON PESTICIDES
X	X	HALOGENATED HYDROCARBON SCREEN			CHLOROPHENOXY ACID HERBICIDES
		GAS CHROMATOGRAPH/MASS SPECTROMETER			HYDROCARBON FUEL SCREEN
					ORGANOPHOSPHATE PESTICIDES
					POLYCHLORINATED BIPHENYLS (PCB's)
					POLYNUCLEAR AROMATIC HYDROCARBONS
					TRIAZINE HERBICIDES
		SPECIFIC COMPOUNDS			SPECIFIC COMPOUNDS

REMARKS:

ANALYTICAL RESULTS

COMPOUND	[PPB]	COMPOUND	[PPB]
aromatic hydrocarbons *	none detected	halogenated hydrocarbons **	
		~~CH3Cl~~	*
		Dichloromethane	1
		** Detection limit	1
		* DETECTION LIMIT	1

REMARKS:

CERTIFICATE OF ANALYTICAL PERSONNEL

Seal(s) Intact: Yes ✓ NO ___. Seal(s) broken by: Mary C. Eden date: 5/01/86

I certify that I followed standard laboratory procedures on handling and analysis of this sample unless otherwise noted and that the statements in this block and the analytical data on this page accurately reflect the analytical results for this sample.

Date(s) of analysis: 5/1/86. Analyst's signature: Mary C. Eden

I certify that I have reviewed and concur with the analytical results for this sample and with the statements in this block. Reviewers signature: K. Meyerhofer

STATE OF NEW MEXICO
ENVIRONMENT
MAY 15 1986

86- 0488-C

SCIENTIFIC LABORATORY DIVISION
700 Camino de Salud NE
Albuquerque, NM 87106 841-2570

REPORT TO: DAVID G. BOYER
PLEASE PRINT
NEW MEXICO OIL CONSERVATION DIV.
P.O. BOX 2088
SANTA FE, NM 87504-2088
PHONE(S): 827-5812

S.L.D. No.: OR- 488-17,13
DATE REC. : 4/28/86
SLD PRIORITY #:

USER CODE: 8|2|2|3|5

SUBMITTER: DAVID BOYER
SUBMITTER CODE: | | | |

SAMPLE TYPE: WATER [x], SOIL [ ], OTHER _____
SAMPLE TYPE CODE: | |

COLLECTED: 4/24/86 - 14:00 BY DB
DATE TIME INITIALS
CODE: 8|6|0|4|2|4|1|4|0|0|D|B
Y Y M M D D H H M M I I I

SOURCE: WELL S1
CODE: | | | + | | | + | | | | | |
AQUIFER DEPTH

NEAREST CITY: FLORA VISTA
CODE: | | | | | |

LOCATION: _____
CODE: | | | | | | | | | | |
TOWNSHIP RANGE SECTION TRACTS

pH=_____; Conductivity=_____umho/cm at _____°C; Chlorine Residual=_____
Dissolved Oxygen=_____mg/l; Alkalinity=_____; Flow Rate=_____
Sampling Location, Methods and Remarks (i.e. odors, etc.)

Sample after pump shut down
Hydrocarbon odor

I certify that the statements in this block accurately reflect the results of my field analyses, observations and activities. Jamie Bailey, David Boyer
Method of shipment to the Laboratory Hand carried
This form accompanies 2 Septum Vials, ___ Glass Jugs, ___ _____
Containers are marked as follows to indicate preservation:
[ ] NP: No preservation; sample stored at room temperature.
[x] P-Ice Sample stored in an ice bath (not frozen).
[ ] P-$Na_2S_2O_3$; Sample preserved with $Na_2S_2O_3$ to remove chlorine residual.

I (we) certify that this sample was transferred from David Boyer OCD
to J.F. at (location) SLD on
__/__/__ - __:__ and that the statements in this block are correct.
DATE AND TIME
Evidentiary Seals: Not Sealed [ ] Seals Intact: Yes [x] No [ ]
Signatures J. F. Tinney David Boyer

(we) certify that this sample was transferred from _____
to _____ at (location) _____ on
__/__/__ - __:__ and that the statements in this block are correct.
DATE AND TIME
Evidentiary Seals: Not Sealed [ ] Seals Intact: Yes [ ] No [ ]
Signatures _____ _____

ANALYSES REQUESTED LAB. No.: ORG- 488

PLEASE CHECK THE APPROPRIATE BOXES BELOW TO INDICATE THE TYPE OF ANALYTICAL SCREENS REQUIRED. WHENEVER POSSIBLE LIST SPECIFIC COMPOUNDS SUSPECTED OR REQUIRED.

QUALITATIVE	QUANTITATIVE	PURGEABLE SCREENS	QUALITATIVE	QUANTITATIVE	EXTRACTABLE SCREENS
		ALIPHATIC HYDROCARBON SCREEN			ALIPHATIC HYDROCARBONS
X	X	AROMATIC HYDROCARBON SCREEN			CHLORINATED HYDROCARBON PESTICIDES
X	X	HALOGENATED HYDROCARBON SCREEN			CHLOROPHENOXY ACID HERBICIDES
		GAS CHROMATOGRAPH/MASS SPECTROMETER			HYDROCARBON FUEL SCREEN
					ORGANOPHOSPHATE PESTICIDES
					POLYCHLORINATED BIPHENYLS (PCB's)
					POLYNUCLEAR AROMATIC HYDROCARBONS
					TRIAZINE HERBICIDES
		SPECIFIC COMPOUNDS			SPECIFIC COMPOUNDS

REMARKS: 20 ml Vial

ANALYTICAL RESULTS

COMPOUND	[PPB]	COMPOUND	[PPB]
aromatic hydrocarbons *	none detected	halogenated hydrocarbons **	~~none detected~~
		~~CH_2Cl_2~~	~~15~~
		Dichloromethene	15
		** Detection Limit	1
		* DETECTION LIMIT	1

REMARKS: Sample septum was inverted with rubber side toward sample

CERTIFICATE OF ANALYTICAL PERSONNEL

Seal(s) Intact: Yes ✓ NO ___. Seal(s) broken by: Mary C. Glen date: 4/30/86

I certify that I followed standard laboratory procedures on handling and analysis of this sample unless otherwise noted and that the statements in this block and the analytical data on this page accurately reflect the analytical results for this sample.

Date(s) of analysis: 4/30/86. Analyst's signature: Mary C. Glen

I certify that I have reviewed and concur with the analytical results for this sample and with the statements in this block. Reviewers signature: K Meyerhofer

STATE OF NEW MEXICO
ENVIRONMENT

SCIENTIFIC LABORATORY DIVISION
700 Camino de Salud NE
Albuquerque, NM 87106 841-2570

86- 0500-C

REPORT TO: DAVID G. BOYER
PLEASE PRINT
NEW MEXICO OIL CONSERVATION DIV.
P.O. BOX 2088
SANTA FE, NM 87504-2088
PHONE(S): 827-5812

S.L.D. No.: OR-500-H.B
DATE REC. : 4/28/86
SLD PRIORITY #:

USER CODE: 8|2|2|3|5

SUBMITTER: DAVID BOYER
SUBMITTER CODE:

SAMPLE TYPE: WATER [X], SOIL [ ], OTHER
SAMPLE TYPE CODE:

COLLECTED: 4/24/86 (DATE) - 13:20 (TIME) BY DB (INITIALS)
CODE: 8|6|0|4|2|4|/|3|2|0|DB|
Y Y M M D D H H M M I I I

SOURCE: WELL 51
CODE: (AQUIFER) + (DEPTH) +

NEAREST CITY: FLORA VISTA
CODE:

LOCATION: DISCHARGE
CODE: (TOWNSHIP RANGE SECTION TRACTS)

pH=_____; Conductivity=_____umho/cm at _____°C; Chlorine Residual=_____
Dissolved Oxygen=_____mg/l; Alkalinity=_____; Flow Rate=_____
Sampling Location, Methods and Remarks (i.e. odors, etc.)

Hydrocarbon odor
(48 hr sample - 2nd sample replicate)

I certify that the statements in this block accurately reflect the results of my field analyses, observations and activities. James Boyer David Boyer
Method of shipment to the Laboratory Hand Carried
This form accompanies 2 Septum Vials, ___ Glass Jugs, ___
Containers are marked as follows to indicate preservation:
[ ] NP: No preservation; sample stored at room temperature.
[X] P-Ice Sample stored in an ice bath (not frozen).
[ ] P-$Na_2S_2O_3$; Sample preserved with $Na_2S_2O_3$ to remove chlorine residual.

I (we) certify that this sample was transferred from David Boyer OCD
to J.F. at (location) FD on
__/__/__ - __:__ (DATE AND TIME) and that the statements in this block are correct.
Evidentiary Seals: Not Sealed [ ] Seals Intact: Yes [X] No [ ]
Signatures J Finney David Boyer

(we) certify that this sample was transferred from _____
to _____ at (location) _____ on
__/__/__ - __:__ (DATE AND TIME) and that the statements in this block are correct.
Evidentiary Seals: Not Sealed [ ] Seals Intact: Yes [ ] No [ ]
Signatures _____

ANALYSES REQUESTED

LAB. No.: ORG- 500

PLEASE CHECK THE APPROPRIATE BOXES BELOW TO INDICATE THE TYPE OF ANALYTICAL SCREENS REQUIRED. WHENEVER POSSIBLE LIST SPECIFIC COMPOUNDS SUSPECTED OR REQUIRED.

QUALITATIVE	QUANTITATIVE	PURGEABLE SCREENS
		ALIPHATIC HYDROCARBON SCREEN
X	X	AROMATIC HYDROCARBON SCREEN
X	X	HALOGENATED HYDROCARBON SCREEN
		GAS CHROMATOGRAPH/MASS SPECTROMETER
		SPECIFIC COMPOUNDS

QUALITATIVE	QUANTITATIVE	EXTRACTABLE SCREENS
		ALIPHATIC HYDROCARBONS
		CHLORINATED HYDROCARBON PESTICIDES
		CHLOROPHENOXY ACID HERBICIDES
		HYDROCARBON FUEL SCREEN
		ORGANOPHOSPHATE PESTICIDES
		POLYCHLORINATED BIPHENYLS (PCB's)
		POLYNUCLEAR AROMATIC HYDROCARBONS
		TRIAZINE HERBICIDES
		SPECIFIC COMPOUNDS

REMARKS:

ANALYTICAL RESULTS

COMPOUND	[PPB]	COMPOUND	[PPB]
aromatic hydrocarbons *	none detected	halogenated hydrocarbons *	
		~~CH$_2$Cl$_2$~~	*
		Dichloromethane	1
		* DETECTION LIMIT	1

REMARKS: teflon septum was inverted. Rubber part was in contact with the sample. 20 ml sample vial

CERTIFICATE OF ANALYTICAL PERSONNEL

Seal(s) Intact: Yes ✓ NO ___. Seal(s) broken by: Mary C. Eden date: 5/01/86

I certify that I followed standard laboratory procedures on handling and analysis of this sample unless otherwise noted and that the statements in this block and the analytical data on this page accurately reflect the analytical results for this sample.

Date(s) of analysis: 5/01/86. Analyst's signature: Mary C. Eden

I certify that I have reviewed and concur with the analytical results for this sample and with the statements in this block. Reviewers signature: L Meyerhen

ENVIRONMENT — STATE OF NEW MEXICO

SCIENTIFIC LABORATORY DIVISION
700 Camino de Salud NE
Albuquerque, NM 87106 841-2570

86- 0499-C

REPORT TO: DAVID G. BOYER
PLEASE PRINT
NEW MEXICO OIL CONSERVATION DIV.
P.O. BOX 2088
SANTA FE, NM 87504-2088
PHONE(S): 827-5812

S.L.D. No.: OR- 499-A,B
DATE REC. : 4/28/86
SLD PRIORITY #:

USER CODE: 8 2 2 3 5
SUBMITTER: DAVE BOYER
SUBMITTER CODE:
SAMPLE TYPE: WATER [X], SOIL [ ], OTHER
SAMPLE TYPE CODE:
COLLECTED: 4/24/86 - 13:10 BY DB
DATE TIME INITIALS
CODE: 8 6 0 4 2 4 1 3 1 0 0 0
Y Y M M D D H H M M I I
SOURCE: WELL S1
CODE: AQUIFER DEPTH
NEAREST CITY: FLORA VISTA
CODE:
LOCATION:
CODE: TOWNSHIP RANGE SECTION TRACTS
pH=_____; Conductivity=_____umho/cm at _____°C; Chlorine Residual=_____
Dissolved Oxygen=_____mg/l; Alkalinity=_____; Flow Rate=_____
Sampling Location, Methods and Remarks (i.e. odors, etc.)
48 hour sample - prior to pump shut down
Hydrocarbon odor

I certify that the statements in this block accurately reflect the results of my field analyses, observations and activities. Jamie Bailey David Boyer
Method of shipment to the Laboratory Hand carried
This form accompanies 2 Septum Vials, ___ Glass Jugs, ___
Containers are marked as follows to indicate preservation:
[ ] NP: No preservation; sample stored at room temperature.
[X] P-Ice Sample stored in an ice bath (not frozen).
[ ] P-$Na_2S_2O_3$; Sample preserved with $Na_2S_2O_3$ to remove chlorine residual.

I (we) certify that this sample was transferred from David Boyer/OCD
to O.F. at (location) SLD on
__/__/__ - __:__ and that the statements in this block are correct.
DATE AND TIME
Evidentiary Seals: Not Sealed [ ] Seals Intact: Yes [X] No [ ]
Signatures JA Finney David Boyer

(we) certify that this sample was transferred from _____
to _____ at (location) _____ on
__/__/__ - __:__ and that the statements in this block are correct.
DATE AND TIME
Evidentiary Seals: Not Sealed [ ] Seals Intact: Yes [ ] No [ ]
Signatures _____ _____

ANALYSES REQUESTED

LAB. No.: ORG- 499

PLEASE CHECK THE APPROPRIATE BOXES BELOW TO INDICATE THE TYPE OF ANALYTICAL SCREENS REQUIRED. WHENEVER POSSIBLE LIST SPECIFIC COMPOUNDS SUSPECTED OR REQUIRED.

QUALITATIVE	QUANTITATIVE	PURGEABLE SCREENS	QUALITATIVE	QUANTITATIVE	EXTRACTABLE SCREENS
		ALIPHATIC HYDROCARBON SCREEN			ALIPHATIC HYDROCARBONS
X	X	AROMATIC HYDROCARBON SCREEN			CHLORINATED HYDROCARBON PESTICIDES
X	X	HALOGENATED HYDROCARBON SCREEN			CHLOROPHENOXY ACID HERBICIDES
		GAS CHROMATOGRAPH/MASS SPECTROMETER			HYDROCARBON FUEL SCREEN
					ORGANOPHOSPHATE PESTICIDES
					POLYCHLORINATED BIPHENYLS (PCB's)
					POLYNUCLEAR AROMATIC HYDROCARBONS
					TRIAZINE HERBICIDES
		SPECIFIC COMPOUNDS			SPECIFIC COMPOUNDS

REMARKS:

ANALYTICAL RESULTS

COMPOUND	[PPB]	COMPOUND	[PPB]
aromatic hydrocarbons *		halogenated hydrocarbons *	
benzene	1	~~CH2Cl2~~	*
		Dichloromethane	1
		* DETECTION LIMIT	1

REMARKS: teflon septum was inverted. Rubber part was in contact with the sample. 20 ml sample vial

CERTIFICATE OF ANALYTICAL PERSONNEL

Seal(s) Intact: Yes ✓ NO ___. Seal(s) broken by: Mary C. Eden date: 5/01/86

I certify that I followed standard laboratory procedures on handling and analysis of this sample unless otherwise noted and that the statements in this block and the analytical data on this page accurately reflect the analytical results for this sample.

Date(s) of analysis: 5/01/86. Analyst's signature: Mary C. Eden

I certify that I have reviewed and concur with the analytical results for this sample and with the statements in this block. Reviewers signature: [signature]

ENVIRONMENT

STATE OF NEW MEXICO

86- 0494-C

SCIENTIFIC LABORATORY DIVISION
700 Camino de Salud NE
Albuquerque, NM 87106 841-2570

REPORT TO: DAVID G. BOYER
PLEASE PRINT
NEW MEXICO OIL CONSERVATION DIV.
P.O. BOX 2088
SANTA FE, NM 87504-2088
PHONE(S): 827-5812

S.L.D. No.: OR- 494-H.B
DATE REC. : 4/28/86
SLD PRIORITY #:

USER CODE: 8 2 2 3 5

SUBMITTER: DAVID BOYER
SUBMITTER CODE:

SAMPLE TYPE: WATER ☒, SOIL ☐, OTHER
SAMPLE TYPE CODE:

COLLECTED: 4/23/86 - 13:10 BY DB
DATE TIME INITIALS
CODE: 8 6 0 4 2 3 1 3 1 0
Y Y M M D D H H M M I I I

SOURCE: WELL S1
CODE: AQUIFER DEPTH

NEAREST CITY: FLORA VISTA
CODE:

LOCATION:
CODE: TOWNSHIP RANGE SECTION TRACTS

pH=_____; Conductivity=_____umho/cm at _____°C; Chlorine Residual=_____
Dissolved Oxygen=_____mg/l; Alkalinity=_____; Flow Rate=_____
Sampling Location, Methods and Remarks (i.e. odors, etc.)

24 hour pumping sample, hydrocarbon odor

I certify that the statements in this block accurately reflect the results of my field analyses, observations and activities. Jami Bailey David Boyer
Method of shipment to the Laboratory Hand carried
This form accompanies 2 Septum Vials, ___ Glass Jugs, ___ _____
Containers are marked as follows to indicate preservation:
☐ NP: No preservation; sample stored at room temperature.
☒ P-Ice Sample stored in an ice bath (not frozen).
☐ P-$Na_2S_2O_3$; Sample preserved with $Na_2S_2O_3$ to remove chlorine residual.

I (we) certify that this sample was transferred from David Boyer
to J.F. at (location) SLD on
__/__/__ - __:__ and that the statements in this block are correct.
DATE AND TIME
Evidentiary Seals: Not Sealed ☐ Seals Intact: Yes ☒ No ☐
Signatures J.F. Trumey David Boyer

(we) certify that this sample was transferred from _____
to _____ at (location) _____ on
__/__/__ - __:__ and that the statements in this block are correct.
DATE AND TIME
Evidentiary Seals: Not Sealed ☐ Seals Intact: Yes ☐ No ☐
Signatures _____

ANALYSES REQUESTED

LAB. No.: ORG- 494

PLEASE CHECK THE APPROPRIATE BOXES BELOW TO INDICATE THE TYPE OF ANALYTICAL SCREENS REQUIRED. WHENEVER POSSIBLE LIST SPECIFIC COMPOUNDS SUSPECTED OR REQUIRED.

QUALITATIVE	QUANTITATIVE	PURGEABLE SCREENS	QUALITATIVE	QUANTITATIVE	EXTRACTABLE SCREENS
		ALIPHATIC HYDROCARBON SCREEN			ALIPHATIC HYDROCARBONS
X	X	AROMATIC HYDROCARBON SCREEN			CHLORINATED HYDROCARBON PESTICIDES
X	X	HALOGENATED HYDROCARBON SCREEN			CHLOROPHENOXY ACID HERBICIDES
		GAS CHROMATOGRAPH/MASS SPECTROMETER			HYDROCARBON FUEL SCREEN
					ORGANOPHOSPHATE PESTICIDES
					POLYCHLORINATED BIPHENYLS (PCB's)
					POLYNUCLEAR AROMATIC HYDROCARBONS
					TRIAZINE HERBICIDES
		SPECIFIC COMPOUNDS			SPECIFIC COMPOUNDS

REMARKS:

ANALYTICAL RESULTS

COMPOUND	[PPB]	COMPOUND	[PPB]
aromatic hydrocarbons *	none detected	halogenated hydrocarbons *	
		~~CH_3CH_2~~	~~2~~
		Dichloromethane	2
		* DETECTION LIMIT	1

REMARKS: teflon septum was inverted. Rubber part was in contact with the sample. 20 ml sample vial

CERTIFICATE OF ANALYTICAL PERSONNEL

Seal(s) Intact: Yes ✓ NO ___. Seal(s) broken by: Mary C. Eden date: 5/01/86

I certify that I followed standard laboratory procedures on handling and analysis of this sample unless otherwise noted and that the statements in this block and the analytical data on this page accurately reflect the analytical results for this sample.

Date(s) of analysis: 5/01/86. Analyst's signature: Mary C. Eden

I certify that I have reviewed and concur with the analytical results for this sample and with the statements in this block. Reviewers signature: L Meyerhofer

ENVIRONMENT

STATE OF NEW MEX

86-0477-C

SCIENTIFIC LABORATORY DIVISION
700 Camino de Salud NE
Albuquerque, NM 87106 841-2570

REPORT TO: DAVID G. BOYER
PLEASE PRINT
NEW MEXICO OIL CONSERVATION DIV.
P.O. BOX 2088
SANTA FE, NM 87504-2088

S.L.D. No.: OR-477-H,B
DATE REC. : 4/28/86
SLD PRIORITY #:

PHONE(S): 827-5812

MAY 1 1986
OIL CONSERVATION DIVISION
SANTA FE

USER CODE: 8|2|2|3|5

SUBMITTER: DAVID BOYER

SUBMITTER CODE:

SAMPLE TYPE: WATER ☒, SOIL ☐, OTHER

SAMPLE TYPE CODE:

COLLECTED: 4/23/86 (DATE) -08:32 (TIME) BY RA (INITIALS)

CODE: 8|6|0|4|2|3|0|8|3|2|4 (Y Y M M D D H H M M I I I)

SOURCE: WELL 51

CODE: (AQUIFER + DEPTH)

NEAREST CITY: FLORA VISTA

CODE:

LOCATION:

CODE: (TOWNSHIP RANGE SECTION TRACTS)

pH=_____; Conductivity=_____umho/cm at _____°C; Chlorine Residual=_____

Dissolved Oxygen=_____mg/l; Alkalinity=_____; Flow Rate=_____

Sampling Location, Methods and Remarks (i.e. odors, etc.)

Hydrocarbon odor, oily boiler
(1½ hrs after test start)

I certify that the statements in this block accurately reflect the results of my field analyses, observations and activities. David Boyer

Method of shipment to the Laboratory hand carried

This form accompanies 2 Septum Vials, ___ Glass Jugs, ___

Containers are marked as follows to indicate preservation:

- ☐ NP: No preservation; sample stored at room temperature.
- ☒ P-Ice: Sample stored in an ice bath (not frozen).
- ☐ P-$Na_2S_2O_3$: Sample preserved with $Na_2S_2O_3$ to remove chlorine residual.

I (we) certify that this sample was transferred from David Boyer to J.F. at (location) SLD on __/__/__ - __:__ (DATE AND TIME) and that the statements in this block are correct.

Evidentiary Seals: Not Sealed ☐ Seals Intact: Yes ☒ No ☐

Signatures J.F. Sweeney David Boyer

(we) certify that this sample was transferred from _____ to _____ at (location) _____ on __/__/__ - __:__ (DATE AND TIME) and that the statements in this block are correct.

Evidentiary Seals: Not Sealed ☐ Seals Intact: Yes ☐ No ☐

Signatures _____

ANALYSES REQUESTED LAB. No.: ORG- 477

PLEASE CHECK THE APPROPRIATE BOXES BELOW TO INDICATE THE TYPE OF ANALYTICAL SCREENS REQUIRED. WHENEVER POSSIBLE LIST SPECIFIC COMPOUNDS SUSPECTED OR REQUIRED.

QUALITATIVE	QUANTITATIVE	PURGEABLE SCREENS	QUALITATIVE	QUANTITATIVE	EXTRACTABLE SCREENS
		ALIPHATIC HYDROCARBON SCREEN			ALIPHATIC HYDROCARBONS
X	X	AROMATIC HYDROCARBON SCREEN			CHLORINATED HYDROCARBON PESTICIDES
X	X	HALOGENATED HYDROCARBON SCREEN			CHLOROPHENOXY ACID HERBICIDES
		GAS CHROMATOGRAPH/MASS SPECTROMETER			HYDROCARBON FUEL SCREEN
					ORGANOPHOSPHATE PESTICIDES
					POLYCHLORINATED BIPHENYLS (PCB's)
					POLYNUCLEAR AROMATIC HYDROCARBONS
					TRIAZINE HERBICIDES
		SPECIFIC COMPOUNDS			SPECIFIC COMPOUNDS

REMARKS: 40 ml Vial

ANALYTICAL RESULTS

COMPOUND	[PPB]	COMPOUND	[PPB]
aromatic hydrocarbons *	see remarks	halogenated hydrocarbons**	none detected
		** Detection Limit	1
		* DETECTION LIMIT	1

REMARKS: possible trace of toluene, m-xylene and o-xylene at slightly less than 1ppb.

CERTIFICATE OF ANALYTICAL PERSONNEL

Seal(s) Intact: Yes ✓ NO ___. Seal(s) broken by: Mary C. Eden date: 4/30/86

I certify that I followed standard laboratory procedures on handling and analysis of this sample unless otherwise noted and that the statements in this block and the analytical data on this page accurately reflect the analytical results for this sample.

Date(s) of analysis: 4/30/86. Analyst's signature: Mary C. Eden

I certify that I have reviewed and concur with the analytical results for this sample and with the statements in this block. Reviewers signature: K Meyerhoff

STATE OF NEW MEXICO
ENVIRONMENT

86-0479-C

SCIENTIFIC LABORATORY DIVISION
700 Camino de Salud NE
Albuquerque, NM 87106 841-2570

REPORT TO: DAVID G. BOYER
PLEASE PRINT
NEW MEXICO OIL CONSERVATION DIV.
P.O. BOX 2088
SANTA FE, NM 87504-2088
PHONE(S): 827-5812

S.L.D. No.: OR-479-H.B
DATE REC.: 4/28/86
SLD PRIORITY #:

USER CODE: 8|2|2|3|5|

SUBMITTER: DAVID BOYER
SUBMITTER CODE:

SAMPLE TYPE: WATER [X], SOIL [ ], OTHER
SAMPLE TYPE CODE:

COLLECTED: 4/22/86 - 20:15 BY DB
DATE TIME INITIALS
CODE: 8|6|0|4|2|2|2|0|1|5|DB|
Y Y M M D D H H M M I I I

SOURCE: WELL S1
CODE: AQUIFER DEPTH

NEAREST CITY: FLORA VISTA
CODE:

LOCATION:
CODE: TOWNSHIP RANGE SECTION TRACTS

pH=_____; Conductivity=_____umho/cm at _____°C; Chlorine Residual=_____

Dissolved Oxygen=_____mg/l; Alkalinity=_____; Flow Rate=_____

Sampling Location, Methods and Remarks (i.e. odors, etc.)

Hydrocarbon odor - (Greasy Bailer
(~ 7 hours after test start)

I certify that the statements in this block accurately reflect the results of my field analyses, observations and activities. David Boyer

Method of shipment to the Laboratory Hand carried

This form accompanies 2 Septum Vials, ___ Glass Jugs, ___ _____
Containers are marked as follows to indicate preservation:

- [ ] NP: No preservation; sample stored at room temperature.
- [X] P-Ice Sample stored in an ice bath (not frozen).
- [ ] P-$Na_2S_2O_3$; Sample preserved with $Na_2S_2O_3$ to remove chlorine residual.

I (we) certify that this sample was transferred from David Boyer OCD
to J.F. at (location) SLD on
__/__/__ - __:__ and that the statements in this block are correct.
DATE AND TIME
Evidentiary Seals: Not Sealed [ ] Seals Intact: Yes [ ] No [ ]
Signatures J Finney David Boyer

(we) certify that this sample was transferred from _____
to _____ at (location) _____ on
__/__/__ - __:__ and that the statements in this block are correct.
DATE AND TIME
Evidentiary Seals: Not Sealed [ ] Seals Intact: Yes [ ] No [ ]
Signatures _____

ANALYSES REQUESTED LAB. No.: ORG- 479

PLEASE CHECK THE APPROPRIATE BOXES BELOW TO INDICATE THE TYPE OF ANALYTICAL SCREENS REQUIRED. WHENEVER POSSIBLE LIST SPECIFIC COMPOUNDS SUSPECTED OR REQUIRED.

QUALITATIVE	QUANTITATIVE	PURGEABLE SCREENS	QUALITATIVE	QUANTITATIVE	EXTRACTABLE SCREENS
		ALIPHATIC HYDROCARBON SCREEN			ALIPHATIC HYDROCARBONS
X	X	AROMATIC HYDROCARBON SCREEN			CHLORINATED HYDROCARBON PESTICIDES
X	X	HALOGENATED HYDROCARBON SCREEN			CHLOROPHENOXY ACID HERBICIDES
		GAS CHROMATOGRAPH/MASS SPECTROMETER			HYDROCARBON FUEL SCREEN
					ORGANOPHOSPHATE PESTICIDES
					POLYCHLORINATED BIPHENYLS (PCB's)
					POLYNUCLEAR AROMATIC HYDROCARBONS
					TRIAZINE HERBICIDES
		SPECIFIC COMPOUNDS			SPECIFIC COMPOUNDS

REMARKS: 40ml Vial

ANALYTICAL RESULTS

COMPOUND	[PPB]	COMPOUND	[PPB]
aromatics hydrocarbon *		halogenated hydrocarbon	** none detected
toluene	1		
		** Detection Limit	1
		* DETECTION LIMIT	1

REMARKS: no other purgeables detected. Unidentified peaks seen with photoionization detector (possible C_3 benzenes). Unsaturated C_4 aliphatics also present.

CERTIFICATE OF ANALYTICAL PERSONNEL

Seal(s) Intact: Yes ✓ NO ___. Seal(s) broken by: Mary C. Eden date: 4/30/86

I certify that I followed standard laboratory procedures on handling and analysis of this sample unless otherwise noted and that the statements in this block and the analytical data on this page accurately reflect the analytical results for this sample.

Date(s) of analysis: 4/30/86. Analyst's signature: Mary C. Eden

I certify that I have reviewed and concur with the analytical results for this sample and with the statements in this block. Reviewers signature: K Meyer

STATE OF NEW MEXICO
ENVIRONMENT

86- 0476-C

SCIENTIFIC LABORATORY DIVISION
700 Camino de Salud NE
Albuquerque, NM 87106 841-2570

REPORT TO: DAVID G. BOYER
PLEASE PRINT
NEW MEXICO OIL CONSERVATION DIV.
P.O. BOX 2088
SANTA FE, NM 87504-2088

S.L.D. No.: OR- 476-11-6
DATE REC. : 4/28/86
SLD PRIORITY #:

PHONE(S): 827-5812 USER CODE: 8 2 2 3 5

SUBMITTER: DAVID BOYER SUBMITTER CODE:

SAMPLE TYPE: WATER [X], SOIL [ ], OTHER SAMPLE TYPE CODE:

COLLECTED: 4/22 DNR 86 - 20:10 BY DB CODE: 8 6 0 4 2 2 2 0 1 0 0 3
DATE TIME INITIALS
Y Y M M D D H H M M I I I

SOURCE: WELL S1 CODE:
AQUIFER DEPTH

NEAREST CITY: FLORA VISTA CODE:

LOCATION: CODE:
TOWNSHIP RANGE SECTION TRACTS

pH=_____; Conductivity=_____umho/cm at _____°C; Chlorine Residual=_____

Dissolved Oxygen=_____mg/l; Alkalinity=_____; Flow Rate=_____

Sampling Location, Methods and Remarks (i.e. odors, etc.)

Actual date of sampling 4/22/86 after well developed hydrocarbon odor. (7 hrs after test start)

I certify that the statements in this block accurately reflect the results of my field analyses, observations and activities. Jami Bailey David Boyer

Method of shipment to the Laboratory Hand carried

This form accompanies 2 Septum Vials, ___ Glass Jugs, ___ _____
Containers are marked as follows to indicate preservation:

- [ ] NP: No preservation; sample stored at room temperature.
- [X] P-Ice Sample stored in an ice bath (not frozen).
- [ ] P-$Na_2S_2O_3$; Sample preserved with $Na_2S_2O_3$ to remove chlorine residual.

I (we) certify that this sample was transferred from David Boyer OCD
to J.F. at (location) SLD on
__/__/__ - __:__ and that the statements in this block are correct.
DATE AND TIME
Evidentiary Seals: Not Sealed [ ] Seals Intact: Yes [X] No [ ]
Signatures J.F. Sumey David Boyer

(we) certify that this sample was transferred from _____
to _____ at (location) _____ on
__/__/__ - __:__ and that the statements in this block are correct.
DATE AND TIME
Evidentiary Seals: Not Sealed [ ] Seals Intact: Yes [ ] No [ ]
Signatures _____ _____

ANALYSES REQUESTED

LAB. No.: ORG- 476

PLEASE CHECK THE APPROPRIATE BOXES BELOW TO INDICATE THE TYPE OF ANALYTICAL SCREENS REQUIRED. WHENEVER POSSIBLE LIST SPECIFIC COMPOUNDS SUSPECTED OR REQUIRED.

QUALITATIVE	QUANTITATIVE	PURGEABLE SCREENS	QUALITATIVE	QUANTITATIVE	EXTRACTABLE SCREENS
		ALIPHATIC HYDROCARBON SCREEN			ALIPHATIC HYDROCARBONS
X	X	AROMATIC HYDROCARBON SCREEN			CHLORINATED HYDROCARBON PESTICIDES
X	X	HALOGENATED HYDROCARBON SCREEN			CHLOROPHENOXY ACID HERBICIDES
		GAS CHROMATOGRAPH/MASS SPECTROMETER			HYDROCARBON FUEL SCREEN
					ORGANOPHOSPHATE PESTICIDES
					POLYCHLORINATED BIPHENYLS (PCB's)
					POLYNUCLEAR AROMATIC HYDROCARBONS
					TRIAZINE HERBICIDES
		SPECIFIC COMPOUNDS			SPECIFIC COMPOUNDS

REMARKS: 40 ml Vial

ANALYTICAL RESULTS

COMPOUND	[PPB]	COMPOUND	[PPB]
aromatic hydrocarbons *		halogenated hydrocarbons **	none detected
ethylbenzene	1		
p-xylene	1		
m-xylene	2		
		** Detection Limit	1
		* DETECTION LIMIT	1

REMARKS: Unidentified peaks also seen with the PID detector (unsaturated C_7 aliphatics). Possible C_3 substituted benzenes.

CERTIFICATE OF ANALYTICAL PERSONNEL

Seal(s) Intact: Yes ✓ NO ___. Seal(s) broken by: Mary C. Eden date: 4/30/86

I certify that I followed standard laboratory procedures on handling and analysis of this sample unless otherwise noted and that the statements in this block and the analytical data on this page accurately reflect the analytical results for this sample.

Date(s) of analysis: 4/30/86. Analyst's signature: Mary C. Eden

I certify that I have reviewed and concur with the analytical results for this sample and with the statements in this block. Reviewers signature: K Mayerhofer

STATE OF NEW MEXICO
ENVIRONMENT

86- 0478-C

SCIENTIFIC LABORATORY DIVISION
700 Camino de Salud NE
Albuquerque, NM 87106 841-2570

REPORT TO: DAVID G. BOYER
PLEASE PRINT
NEW MEXICO OIL CONSERVATION DIV.
P.O. BOX 2088
SANTA FE, NM 87504-2088

S.L.D. No.: OR- 478-A,B
DATE REC. : 4/28/86
SLD PRIORITY #:

PHONE(S): 827-5812

USER CODE: 8|2|2|3|5

SUBMITTER: DAVID BOYER

SUBMITTER CODE:

SAMPLE TYPE: WATER [X], SOIL [ ], OTHER

SAMPLE TYPE CODE:

COLLECTED: 4/22/86 (DATE) - 19:50 (TIME) BY DB (INITIALS)

CODE: 8|6|0|4|2|2|1|9|5|0 (Y Y M M D D H H M M I I I)

SOURCE: WELL S1

CODE: (AQUIFER + DEPTH)

NEAREST CITY: FLORA VISTA

CODE:

LOCATION: DISCHARGE

CODE: (TOWNSHIP RANGE SECTION TRACTS)

pH=_____; Conductivity=_____umho/cm at _____°C; Chlorine Residual=_____

Dissolved Oxygen=_____mg/l; Alkalinity=_____; Flow Rate=_____

Sampling Location, Methods and Remarks (i.e. odors, etc.)

Hydrocarbon odor Greasy Bailer, (6 3/4 hrs after test start)

I certify that the statements in this block accurately reflect the results of my field analyses, observations and activities. David Boyer David Boyer

Method of shipment to the Laboratory Hand carried

This form accompanies 2 Septum Vials, ___ Glass Jugs, ___ _____
Containers are marked as follows to indicate preservation:

- [ ] NP: No preservation; sample stored at room temperature.
- [X] P-Ice Sample stored in an ice bath (not frozen).
- [ ] P-$Na_2S_2O_3$; Sample preserved with $Na_2S_2O_3$ to remove chlorine residual.

I (we) certify that this sample was transferred from David Boyer OCD to T.F. at (location) SLD on

__/__/__ - __:__ (DATE AND TIME) and that the statements in this block are correct.

Evidentiary Seals: Not Sealed [ ] Seals Intact: Yes [X] No [ ]

Signatures T. Finney David Boyer

(we) certify that this sample was transferred from _____

to _____ at (location) _____ on

__/__/__ - __:__ (DATE AND TIME) and that the statements in this block are correct.

Evidentiary Seals: Not Sealed [ ] Seals Intact: Yes [ ] No [ ]

Signatures _____

ANALYSES REQUESTED

LAB. No.: ORG- 478

PLEASE CHECK THE APPROPRIATE BOXES BELOW TO INDICATE THE TYPE OF ANALYTICAL SCREENS REQUIRED. WHENEVER POSSIBLE LIST SPECIFIC COMPOUNDS SUSPECTED OR REQUIRED.

QUALITATIVE	QUANTITATIVE	PURGEABLE SCREENS	QUALITATIVE	QUANTITATIVE	EXTRACTABLE SCREENS
		ALIPHATIC HYDROCARBON SCREEN			ALIPHATIC HYDROCARBONS
x	x	AROMATIC HYDROCARBON SCREEN			CHLORINATED HYDROCARBON PESTICIDES
x	x	HALOGENATED HYDROCARBON SCREEN			CHLOROPHENOXY ACID HERBICIDES
		GAS CHROMATOGRAPH/MASS SPECTROMETER			HYDROCARBON FUEL SCREEN
					ORGANOPHOSPHATE PESTICIDES
					POLYCHLORINATED BIPHENYLS (PCB's)
					POLYNUCLEAR AROMATIC HYDROCARBONS
					TRIAZINE HERBICIDES
		SPECIFIC COMPOUNDS			SPECIFIC COMPOUNDS

REMARKS: 40ml Vial

ANALYTICAL RESULTS

COMPOUND	[PPB]	COMPOUND	[PPB]
aromatic hydrocarbons *		halogenated hydrocarbons	* none detected
ethylbenzene	6		
p-xylene	7		
m-xylene	14		
o-xylene	1		
		* Detection Limit	
		* DETECTION LIMIT	1

REMARKS: ~~no other purgeables detected~~. Unsaturated C_7 aliphatics also present. Possible C_3 substituted benzenes

CERTIFICATE OF ANALYTICAL PERSONNEL

Seal(s) Intact: Yes ✓ NO ___. Seal(s) broken by: Mary C. Eden date: 4/30/86

I certify that I followed standard laboratory procedures on handling and analysis of this sample unless otherwise noted and that the statements in this block and the analytical data on this page accurately reflect the analytical results for this sample.

Date(s) of analysis: 4/30/86. Analyst's signature: Mary C. Eden

I certify that I have reviewed and concur with the analytical results for this sample and with the statements in this block. Reviewers signature: K. Meyerhen

STATE OF NEW MEXICO
ENVIRONMENT

86-0497-C

SCIENTIFIC LABORATORY DIVISION

700 Camino de Salud NE
Albuquerque, NM 87106 841-2570

REPORT TO: DAVID G. BOYER
PLEASE PRINT
NEW MEXICO OIL CONSERVATION DIV.
P.O. BOX 2088
SANTA FE, NM 87504-2088

S.L.D. No.: OR-497-A.B
DATE REC. : 4/28/86
SLD PRIORITY #:

PHONE(S): 827-5812 USER CODE: 8|2|2|3|5|

SUBMITTER: DAVID BOYER SUBMITTER CODE:

SAMPLE TYPE: WATER [X], SOIL [ ], OTHER SAMPLE TYPE CODE:

COLLECTED: 4/22/86 (DATE) - 15:25 (TIME) BY DB (INITIALS) CODE: Y Y M M D D H H M M I I I

SOURCE: WELL 51 CODE: AQUIFER DEPTH

NEAREST CITY: FLORA VISTA CODE:

LOCATION: DISCHARGE CODE: TOWNSHIP RANGE SECTION TRACTS

pH=_____; Conductivity=_____umho/cm at _____°C; Chlorine Residual=_____

Dissolved Oxygen=_____mg/l; Alkalinity=_____; Flow Rate=_____

Sampling Location, Methods and Remarks (i.e. odors, etc.)

Sample for organics only, 2 1/2 hrs after restart

I certify that the statements in this block accurately reflect the results of my field analyses, observations and activities. David Boyer

Method of shipment to the Laboratory hand carried

This form accompanies 2 Septum Vials, ___ Glass Jugs, ___

Containers are marked as follows to indicate preservation:

- [ ] NP: No preservation; sample stored at room temperature.
- [X] P-Ice Sample stored in an ice bath (not frozen).
- [ ] P-$Na_2S_2O_3$; Sample preserved with $Na_2S_2O_3$ to remove chlorine residual.

I (we) certify that this sample was transferred from David Boyer to J.H. at (location) SLD on

__/__/__ - __:__ (DATE AND TIME) and that the statements in this block are correct.

Evidentiary Seals: Not Sealed [ ] Seals Intact: Yes [X] No [ ]

Signatures J.H. Finney David Boyer

(we) certify that this sample was transferred from _____

to _____ at (location) _____ on

__/__/__ - __:__ (DATE AND TIME) and that the statements in this block are correct.

Evidentiary Seals: Not Sealed [ ] Seals Intact: Yes [ ] No [ ]

Signatures _____

ANALYSES REQUESTED

LAB. No.: ORG- 497

PLEASE CHECK THE APPROPRIATE BOXES BELOW TO INDICATE THE TYPE OF ANALYTICAL SCREENS REQUIRED. WHENEVER POSSIBLE LIST SPECIFIC COMPOUNDS SUSPECTED OR REQUIRED.

QUALITATIVE	QUANTITATIVE	PURGEABLE SCREENS	QUALITATIVE	QUANTITATIVE	EXTRACTABLE SCREENS
		ALIPHATIC HYDROCARBON SCREEN			ALIPHATIC HYDROCARBONS
X	X	AROMATIC HYDROCARBON SCREEN			CHLORINATED HYDROCARBON PESTICIDES
X	X	HALOGENATED HYDROCARBON SCREEN			CHLOROPHENOXY ACID HERBICIDES
		GAS CHROMATOGRAPH/MASS SPECTROMETER			HYDROCARBON FUEL SCREEN
					ORGANOPHOSPHATE PESTICIDES
					POLYCHLORINATED BIPHENYLS (PCB's)
					POLYNUCLEAR AROMATIC HYDROCARBONS
					TRIAZINE HERBICIDES
		SPECIFIC COMPOUNDS			SPECIFIC COMPOUNDS

REMARKS:

ANALYTICAL RESULTS

COMPOUND	[PPB]	COMPOUND	[PPB]
aromatic hydrocarbons *	none detected		
halogenated hydrocarbons *	none detected		
		* DETECTION LIMIT	1

REMARKS:

CERTIFICATE OF ANALYTICAL PERSONNEL

Seal(s) Intact: Yes ✓ NO ___. Seal(s) broken by: Mary C. Eden date: 5/6/86

I certify that I followed standard laboratory procedures on handling and analysis of this sample unless otherwise noted and that the statements in this block and the analytical data on this page accurately reflect the analytical results for this sample.

Date(s) of analysis: 5/6/86. Analyst's signature: Mary C. Eden

I certify that I have reviewed and concur with the analytical results for this sample and with the statements in this block. Reviewers signature: L Mayerhen

STATE OF NEW MEXICO
ENVIRONMENT

86-0496-C

SCIENTIFIC LABORATORY DIVISION
700 Camino de Salud NE
Albuquerque, NM 87106 841-2570

REPORT TO: DAVID G. BOYER
PLEASE PRINT
NEW MEXICO OIL CONSERVATION DIV.
P.O. BOX 2088
SANTA FE, NM 87504-2088
PHONE(S): 827-5812

S.L.D. No.: OR-496-HB
DATE REC. : 4/28/86
SLD PRIORITY #:

USER CODE: 8|2|2|3|5|

SUBMITTER: DAVID BOYER
SUBMITTER CODE: | | | | |

SAMPLE TYPE: WATER ☒, SOIL ☐, OTHER _____
SAMPLE TYPE CODE: | | |

COLLECTED: 4/21/86 - 09:45 BY DB
DATE TIME INITIALS
CODE: |8|6|0|4|2|1|0|9|4|5|D|B|
Y Y M M D D H H M M I I

SOURCE: WELL 51
CODE: | | | + | | | + | | | | |
AQUIFER DEPTH

NEAREST CITY: FLORA VISTA
CODE: | | | | | |

LOCATION: _____
CODE: | | | | | | | | | | |
TOWNSHIP RANGE SECTION TRACTS

pH=_____; Conductivity=_____umho/cm at _____°C; Chlorine Residual=_____
Dissolved Oxygen=_____mg/l; Alkalinity=_____; Flow Rate=_____
Sampling Location, Methods and Remarks (i.e. odors, etc.)
~27 hours prior to start of pumping.

I certify that the statements in this block accurately reflect the results of my field analyses, observations and activities. David Boyer David Boyer
Method of shipment to the Laboratory Hand Carried
This form accompanies 2 Septum Vials, ___ Glass Jugs, ___ _____
Containers are marked as follows to indicate preservation:
☐ NP: No preservation; sample stored at room temperature.
☒ P-Ice Sample stored in an ice bath (not frozen).
☐ P-$Na_2S_2O_3$; Sample preserved with $Na_2S_2O_3$ to remove chlorine residual.

I (we) certify that this sample was transferred from David Boyer OCD
to J.T. at (location) SLD on
__/__/__ - __:__ and that the statements in this block are correct.
DATE AND TIME
Evidentiary Seals: Not Sealed ☐ Seals Intact: Yes ☒ No ☐
Signatures J.T. Finney David Boyer

(we) certify that this sample was transferred from _____
to _____ at (location) _____ on
__/__/__ - __:__ and that the statements in this block are correct.
DATE AND TIME
Evidentiary Seals: Not Sealed ☐ Seals Intact: Yes ☐ No ☐
Signatures _____ _____

ANALYSES REQUESTED

LAB. No.: ORG- 496

PLEASE CHECK THE APPROPRIATE BOXES BELOW TO INDICATE THE TYPE OF ANALYTICAL SCREENS REQUIRED. WHENEVER POSSIBLE LIST SPECIFIC COMPOUNDS SUSPECTED OR REQUIRED.

QUALITATIVE	QUANTITATIVE	PURGEABLE SCREENS	QUALITATIVE	QUANTITATIVE	EXTRACTABLE SCREENS
		ALIPHATIC HYDROCARBON SCREEN			ALIPHATIC HYDROCARBONS
X	X	AROMATIC HYDROCARBON SCREEN			CHLORINATED HYDROCARBON PESTICIDES
X	X	HALOGENATED HYDROCARBON SCREEN			CHLOROPHENOXY ACID HERBICIDES
		GAS CHROMATOGRAPH/MASS SPECTROMETER			HYDROCARBON FUEL SCREEN
					ORGANOPHOSPHATE PESTICIDES
					POLYCHLORINATED BIPHENYLS (PCB's)
					POLYNUCLEAR AROMATIC HYDROCARBONS
					TRIAZINE HERBICIDES
		SPECIFIC COMPOUNDS			SPECIFIC COMPOUNDS

REMARKS:

ANALYTICAL RESULTS

COMPOUND	[PPB]	COMPOUND	[PPB]
aromatic hydrocarbons *	none detected		
halogenated hydrocarbons *	none detected		
		* DETECTION LIMIT	1

REMARKS:

CERTIFICATE OF ANALYTICAL PERSONNEL

Seal(s) Intact: Yes ✓ NO ___. Seal(s) broken by: Mary C. Eden date: 5/01/86

I certify that I followed standard laboratory procedures on handling and analysis of this sample unless otherwise noted and that the statements in this block and the analytical data on this page accurately reflect the analytical results for this sample.

Date(s) of analysis: 5/01/86. Analyst's signature: Mary C. Eden

I certify that I have reviewed and concur with the analytical results for this sample and with the statements in this block. Reviewers signature: L Meyerhoff

STATE OF NEW MEXICO

ENVIRONMENT

SCIENTIFIC LABORATORY DIVISION

700 Camino de Salud NE, Albuquerque, New Mexico 87106
(505) 841-2500

85-0657-C

REPORT TO: DAVID G. BOYER
NEW MEXICO OIL CONSERVATION DIV
P.O. BOX 2088
SANTA FE, NM 87501

S.L.D. No.: OR-657-A,B
DATE REC. :
PHONE 827-5812
USER CODE: 8 2 2 3 5

CONTAINERS WHICH ACCOMPANY THIS FORM ARE COLLECTIVELY REFERED TO AS SAMPLE.

SUBMITTER: NM OIL CONSERVATION DIV CODE

LOCATION: FLORA VISTA CODE (TOWNSHIP RANGE SECTION TRACTS)

SOURCE: MUNICIPAL WELL #1 CODE (AQUIFER DEPTH)

COLLECTED: 6/28/85 BY BOYER/BAILEY CODE 8 5 0 6 2 8 1 1 3 0 (Y Y M M D D H H M M I I I)

SAMPLE TYPE: (WATER) SOIL OTHER CODE

NEAREST CITY: FLORA VISTA CODE

pH=_____; Conductivity=_____umho/cm at _____°C; Chlorine Risidual=_____

Dissolved Oxygen=_____mg/l; Alkalinity=_____; Flow Rate=_____

Sampling Location, Methods and Remarks (i.e. odors, etc.)

BAILED OPEN WELL - NO SANITARY SEAL. 10" TO STEEL CASING.

I certify that the statements in this block accurately reflect the results of my field analyses, observations and activities. D. Bailey

Method of shipment to the Laboratory Hand carried

This form accompanies 2 Septum Vials, ___ Glass Jugs, ___ _____

Containers are marked as follows to indicate preservation (circle):

NP: No preservation; sample stored at room temperature.

(P-Ice) Sample stored in an ice bath (not frozen).

P-$Na_2S_2O_3$: Sample preserved with $Na_2S_2O_3$ to remove chlorine residual.

I (we) certify that this sample was transferred from _____ to _____ at (location) _____ on (date & time) _____ and that the statements in this block are correct

Evidentiary Seals: Not Sealed Intact: Yes No

Signatures _____ _____

(we) certify that this sample was transferred from _____ to _____ at (location) _____ on (date & time) _____ and that the statements in this block are correct

Evidentiary Seals: Not Sealed Intact: Yes No

Signatures _____ _____

ANALYSES REQUESTED

LAB. No.: ORG- 657

PLEASE CHECK THE APPROPRIATE BOXES BELOW TO INDICATE THE TYPE OF ANALYTICAL SCREENS REQUIRED. WHENEVER POSSIBLE LIST SPECIFIC COMPOUNDS SUSPECTED OR REQUIRED.

QUALITATIVE	QUANTITATIVE	PURGEABLE SCREENS	QUALITATIVE	QUANTITATIVE	EXTRACTABLE SCREENS
		ALIPHATIC HYDROCARBON SCREEN			ALIPHATIC HYDROCARBONS
X	X	AROMATIC HYDROCARBON SCREEN			CHLORINATED HYDROCARBON PESTICIDES
X	X	HALOGENATED HYDROCARBON SCREEN			CHLOROPHENOXY ACID HERBICIDES
		GAS CHROMATOGRAPH/MASS SPECTROMETER			HYDROCARBON FUEL SCREEN
					ORGANOPHOSPHATE PESTICIDES
					POLYCHLORINATED BIPHENYLS (PCB's)
X	X	Natural Gas Head Space Test			POLYNUCLEAR AROMATIC HYDROCARBONS
					TRIAZINE HERBICIDES
		SPECIFIC COMPOUNDS			SPECIFIC COMPOUNDS

REMARKS:

ANALYTICAL RESULTS

COMPOUND	[PPB]	COMPOUND	~~[PPB]~~ ppm
$CHCl_3$	1 ppb	methane in Head Space	= Lab Air
Toluene	6 ppb		
benzene	N.D.*	Lab Air	= 1.3 ppm
ethylbenzene	N.D.	MDL (min Det. Limit)	= 1 ppm
p-xylene	N.D.		
m-xylene	N.D.		
o-xylene	N.D.		
		* DETECTION LIMIT	~~ug/l~~

REMARKS: One unsaturated hydrocarbon also detected at <5 ppb. One large peak also present that may be acetone

CERTIFICATE OF ANALYTICAL PERSONNEL

Seal(s) Intact: Yes ___ NO X. Seal(s) broken by: _____ date: _____

I certify that I followed standard laboratory procedures on handling and analysis of this sample unless otherwise noted and that the statements in this block and the analytical data on this page accurately reflect the analytical results for this sample.

Date(s) of analysis: 7 July 85 - 8/2/85 Analyst's signature: J. E. Summers C. B. Barnes

I certify that I have reviewed and concur with the analytical results for this sample and with the statements in this block. Reviewers signature: L. Meyerhen

REPORT TO: David G. Boy[illegible]
New Mexico Oil Conservation Division
P. O. Box 2088
Santa Fe, NM 8750[illegible]

85-0261-C

LAB[illegible]TORY ORG 261 AFB

LAB NUMBER

Priority 2
Report by 3/29

3-22-85

SLD Users Code No. 82235

ALL CONTAINERS WHICH THIS FORM ACCOMPANIES ARE COLLECTIVELY REFERRED TO AS "SAMPLE".

CERTIFICATE OF FIELD PERSONNEL

Sample Type: Water ☒ Soil ☐ Other _____

Water Supply and/or Code No. Flora Vista Municipal Supply Well #1

City & County Flora Vista, San Juan

Collected (date & time) 1538, 3/20/85 By (name) Boyd/Baca

pH= —; Conductivity= 600 umho/cm at 12.5°C; Chlorine Residual= —

Dissolved Oxygen= — mg/l; Alkalinity= —; Flow Rate= 796/2.87 sec

Sampling Location, Methods & Remarks (i.e. odors etc.)

Sample prior to cessation of pumping previously contaminated with hydrocarbons, sample at discharge of gas pump, No odors

I certify that the statements in this block accurately reflect the results of my field analyses, observations and activities. Signed David G Boyd

I certify that I witnessed these field analyses, observations and activities and concur with the statements in this block. Signed Philip L. Baca

Method of Shipment to Laboratory Hand carried.

THIS FORM ACCOMPANIES 2 septum vials with teflon-lined discs identified as:
specimen X; duplicate Y; triplicate _____; blank(s) _____,
and ____ amber glass jug(s) with teflon-lined cap(s) identified as _____,
and ____ other container(s) (describe) _____ identified as _____.

Containers are marked as follows to indicate preservation (circle):

~~NP:~~ No preservation; sample stored at room temperature (~20°C).
P-ICE: Sample stored in an ice bath.
P-$Na_2O_3S_2$: Sample preserved with 3 mg $Na_2O_3S_2$/40 ml and stored at room temperature.

CERTIFICATE(S) OF SAMPLE RECEIPT

I (we) certify that this sample was transferred from _____ to _____ at (location) _____ on (date & time) _____ and that the statements in this block are correct.

Disposition of Sample _____. Seal(s) Intact: Yes ☐ No ☐ .

Signature(s) _____ _____

I (we) certify that this sample was transferred from _____ to _____ at (location) _____ on (date & time) _____ and that the statements in this block are correct.

Disposition of Sample _____. Seal(s) Intact: Yes ☐ No ☐ .

Signature(s) _____ _____

ANALYSES REQUESTED

LAB. No.: ORG- 261

PLEASE CHECK THE APPROPRIATE BOXES BELOW TO INDICATE THE TYPE OF ANALYTICAL SCREENS REQUIRED. WHENEVER POSSIBLE LIST SPECIFIC COMPOUNDS SUSPECTED OR REQUIRED.

QUALITATIVE	QUANTITATIVE	PURGEABLE SCREENS	QUALITATIVE	QUANTITATIVE	EXTRACTABLE SCREENS
		ALIPHATIC HYDROCARBON SCREEN			ALIPHATIC HYDROCARBONS
X	X	AROMATIC HYDROCARBON SCREEN			CHLORINATED HYDROCARBON PESTICIDES
		HALOGENATED HYDROCARBON SCREEN			CHLOROPHENOXY ACID HERBICIDES
		GAS CHROMATOGRAPH/MASS SPECTROMETER			HYDROCARBON FUEL SCREEN
					ORGANOPHOSPHATE PESTICIDES
					POLYCHLORINATED BIPHENYLS (PCB's)
					POLYNUCLEAR AROMATIC HYDROCARBONS
					TRIAZINE HERBICIDES
		SPECIFIC COMPOUNDS			SPECIFIC COMPOUNDS
		Benzene etc			

REMARKS:

ANALYTICAL RESULTS

COMPOUND	[PPB]	COMPOUND	[PPB]
aromatic purgeables	none detected		
halogenated purgeables	" "		
		* DETECTION LIMIT	1 ug/l

REMARKS: No purgeables detected.*

CERTIFICATE OF ANALYTICAL PERSONNEL

Seal(s) Intact: Yes___ NO X. Seal(s) broken by:_____ date:_____

I certify that I followed standard laboratory procedures on handling and analysis of this sample unless otherwise noted and that the statements in this block and the analytical data on this page accurately reflect the analytical results for this sample.

Date(s) of analysis: 3-25-85. Analyst's signature: [signature]

I certify that I have reviewed and concur with the analytical results for this sample and with the statements in this block. Reviewers signature: [signature]

REPORT TO: David G. Boy[illegible]
New Mexico Oil Conservation Division
P. O. Box 2088
Santa Fe, NM

85-0263-C

LAB[illegible]TORY ORG 263 AVB

LAB NUMBER Priority 2 Report by 3/29

3-22-85

SLD Users Code No. 82235

ALL CONTAINERS WHICH THIS FORM ACCOMPANIES ARE COLLECTIVELY REFERRED TO AS "SAMPLE".

CERTIFICATE OF FIELD PERSONNEL

Sample Type: Water ☒ Soil ☐ Other _____

Water Supply and/or Code No. Flora Vista Municipal Supply Well #1

City & County Flora Vista, San Juan

Collected (date & time) 1310, 3/20/85 By (name) Boyer/Baca

pH=_____; Conductivity=_____umho/cm at _____°C; Chlorine Residual=_____

Dissolved Oxygen=_____mg/l; Alkalinity=_____; Flow Rate=_____

Sampling Location, Methods & Remarks (i.e. odors etc.)

Sample at start of pumping, no odors previously contaminated with hydrocarbons, discharge at gasoline pump

I certify that the statements in this block accurately reflect the results of my field analyses, observations and activities. Signed Larry A Boyer

I certify that I witnessed these field analyses, observations and activities and concur with the statements in this block. Signed Philip L. Baca

Method of Shipment to Laboratory _____.

THIS FORM ACCOMPANIES 2 septum vials with teflon-lined discs identified as:
specimen X; duplicate X; triplicate _____; blank(s) _____,
and _____ amber glass jug(s) with teflon-lined cap(s) identified as _____,
and _____ other container(s) (describe) _____ identified as _____.

Containers are marked as follows to indicate preservation (circle):

NP: No preservation; sample stored at room temperature (~20°C).
(P-ICE): Sample stored in an ice bath.
P-$Na_2O_3S_2$: Sample preserved with 3 mg $Na_2O_3S_2$/40 ml and stored at room temperature.

CERTIFICATE(S) OF SAMPLE RECEIPT

I (we) certify that this sample was transferred from _____ to _____ at (location) _____ on (date & time) _____ and that the statements in this block are correct.

Disposition of Sample _____. Seal(s) Intact: Yes ☐ No ☐ .

Signature(s) _____ _____

I (we) certify that this sample was transferred from _____ to _____ at (location) _____ on (date & time) _____ and that the statements in this block are correct.

Disposition of Sample _____. Seal(s) Intact: Yes ☐ No ☐ .

Signature(s) _____ _____

ANALYSES REQUESTED

LAB. No.: ORG- 263

PLEASE CHECK THE APPROPRIATE BOXES BELOW TO INDICATE THE TYPE OF ANALYTICAL SCREENS REQUIRED. WHENEVER POSSIBLE LIST SPECIFIC COMPOUNDS SUSPECTED OR REQUIRED.

QUALITATIVE	QUANTITATIVE	PURGEABLE SCREENS	QUALITATIVE	QUANTITATIVE	EXTRACTABLE SCREENS
		ALIPHATIC HYDROCARBON SCREEN			ALIPHATIC HYDROCARBONS
X	X	AROMATIC HYDROCARBON SCREEN			CHLORINATED HYDROCARBON PESTICIDES
		HALOGENATED HYDROCARBON SCREEN			CHLOROPHENOXY ACID HERBICIDES
		GAS CHROMATOGRAPH/MASS SPECTROMETER			HYDROCARBON FUEL SCREEN
					ORGANOPHOSPHATE PESTICIDES
					POLYCHLORINATED BIPHENYLS (PCB's)
					POLYNUCLEAR AROMATIC HYDROCARBONS
					TRIAZINE HERBICIDES
		SPECIFIC COMPOUNDS			SPECIFIC COMPOUNDS
		Benzene etc			

REMARKS:

ANALYTICAL RESULTS

COMPOUND	[PPB] *	COMPOUND	[PPB]
aromatic purgeables	none detected		
halogenated purgeables	" "		
		* DETECTION LIMIT	1 ug/l

REMARKS: No purgeables detected.*

CERTIFICATE OF ANALYTICAL PERSONNEL

Seal(s) Intact: Yes ___ NO X . Seal(s) broken by: _____ date: _____

I certify that I followed standard laboratory procedures on handling and analysis of this sample unless otherwise noted and that the statements in this block and the analytical data on this page accurately reflect the analytical results for this sample.

Date(s) of analysis: 3-25-85 . Analyst's signature: A Tinney

I certify that I have reviewed and concur with the analytical results for this sample and with the statements in this block. Reviewers signature: K Meyerhoff

86-0599-C

STATE OF NEW MEXICO
ENVIRONMENT

JUL 22 1986

764
3

SCIENTIFIC LABORATORY DIVISION
700 Camino de Salud NE
Albuquerque, NM 87106 841-2570

REPORT TO: DAVID G. BOYER
PLEASE PRINT
NEW MEXICO OIL CONSERVATION DIV.
P.O. BOX 2088
SANTA FE, NM 87504-2088
PHONE(S): 827-5812

S.L.D. No.: OR-599-H.B
DATE REC. : 5/22/86
SLD PRIORITY #:

USER CODE: 8|2|2|3|5

SUBMITTER: David G Boyer
SUBMITTER CODE:

SAMPLE TYPE: WATER ☒, SOIL ☐, OTHER
SAMPLE TYPE CODE:

COLLECTED: 86/05/21 - 13:40 BY DGB
DATE TIME INITIALS
CODE: Y Y M M D D H H M M I I I

SOURCE: Well 51
CODE: AQUIFER DEPTH

NEAREST CITY: Flora Vista
CODE:

LOCATION:
CODE: 30N 12W 21 3 3 3 21
TOWNSHIP RANGE SECTION TRACTS

pH=_____; Conductivity=_____umho/cm at _____°C; Chlorine Residual=_____
Dissolved Oxygen=_____mg/l; Alkalinity=_____; Flow Rate=_____
Sampling Location, Methods and Remarks (i.e. odors, etc.)

Hydrocarbon odor, sheen

I certify that the statements in this block accurately reflect the results of my field analyses, observations and activities. David G Boyer
Method of shipment to the Laboratory Hand carried
This form accompanies ___ Septum Vials, 2 Glass Jugs, ___ _____
Containers are marked as follows to indicate preservation:
☐ NP: No preservation; sample stored at room temperature.
☒ P-Ice Sample stored in an ice bath (not frozen).
☐ P-$Na_2S_2O_3$; Sample preserved with $Na_2S_2O_3$ to remove chlorine residual.

I (we) certify that this sample was transferred from DG Boyer
to JAT at (location) SLD on
86/05/22 - 11:00 and that the statements in this block are correct.
DATE AND TIME
Evidentiary Seals: Not Sealed ☐ Seals Intact: Yes ☒ No ☐
Signatures JT Zuniga DG Boyer

(we) certify that this sample was transferred from _____
to _____ at (location) _____ on
__/__/__ - __:__ and that the statements in this block are correct.
DATE AND TIME
Evidentiary Seals: Not Sealed ☐ Seals Intact: Yes ☐ No ☐
Signatures _____

ANALYSES REQUESTED

LAB. No.: ORG- 599

PLEASE CHECK THE APPROPRIATE BOXES BELOW TO INDICATE THE TYPE OF ANALYTICAL SCREENS REQUIRED. WHENEVER POSSIBLE LIST SPECIFIC COMPOUNDS SUSPECTED OR REQUIRED.

QUALITATIVE	QUANTITATIVE	PURGEABLE SCREENS	QUALITATIVE	QUANTITATIVE	EXTRACTABLE SCREENS
		ALIPHATIC HYDROCARBON SCREEN			ALIPHATIC HYDROCARBONS
		AROMATIC HYDROCARBON SCREEN			CHLORINATED HYDROCARBON PESTICIDES
		HALOGENATED HYDROCARBON SCREEN			CHLOROPHENOXY ACID HERBICIDES
		GAS CHROMATOGRAPH/MASS SPECTROMETER			HYDROCARBON FUEL SCREEN
					ORGANOPHOSPHATE PESTICIDES
					POLYCHLORINATED BIPHENYLS (PCB's)
			X	X	POLYNUCLEAR AROMATIC HYDROCARBONS
					TRIAZINE HERBICIDES
		SPECIFIC COMPOUNDS			SPECIFIC COMPOUNDS
					Naphthalene, Benzo a pyrene

REMARKS:

ANALYTICAL RESULTS

COMPOUND	[PPB]	COMPOUND	[PPB]
NAPHTHALENE	<5	FLUORANTHENE	<5
2-METHYLNAPHTHALENE	<5	PYRENE	<5
1-METHYLNAPHTHALENE	<5	BENZO(a)ANTH./CHRYSENE	<5
ACENAPHTHALENE	<5	BENZO (a) PYRENE	<5
ACENAPHTHENE	<5	DIBENZO(a,h) ANTHRACENE	<10
FLUORENE	<5		
PHENANTH/ANTHRA	<5		
		* DETECTION LIMIT	

REMARKS:

CERTIFICATE OF ANALYTICAL PERSONNEL

Seal(s) Intact: Yes ✓ NO ___. Seal(s) broken by: C S Burney date: 6/23/86

I certify that I followed standard laboratory procedures on handling and analysis of this sample unless otherwise noted and that the statements in this block and the analytical data on this page accurately reflect the analytical results for this sample.

Date(s) of analysis: 7/9/86. Analyst's signature: C S Burney

I certify that I have reviewed and concur with the analytical results for this sample and with the statements in this block. Reviewers signature: R Meyerhein

FOR OCD USE -- Date Owner Notified _____ Phone or letter? _____ Initials _____

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

850
3

GENERAL WATER CHEMISTRY and NITROGEN ANALYSIS

DATE RECEIVED: 5 22 86	LAB NO. WC-2215	USER CODE ☐ 59300 ☐ 59600 ☒ OTHER: 82235	
Collection DATE: 86 05 21	SITE INFORMATION ►	Sample location: Well 5 1	
Collection TIME: 1340		Collection site description: Flora Vista Well Field	
Collected by — Person/Agency: Boyer / OCD			

SEND FINAL REPORT TO ►

ENVIRONMENTAL BUREAU
NM OIL CONSERVATION DIVISION
State Land Office Bldg, PO Box 2088
Santa Fe, NM 87504-2088

Attn: David Boyer

Phone: 827-5812

Station/ well code

Owner

SAMPLING CONDITIONS

☐ Bailed ☐ Dipped ☐ Pump ☐ Tap	Water level	Discharge	Sample type
pH (00400)	Conductivity (Uncorrected) μmho	Water Temp. (00010) °C	Conductivity at 25°C (00094) μmho

Field comments: Hydrocarbon odor, sheen
Iced Sample.

SAMPLE FIELD TREATMENT — *Check proper boxes*

No. of samples submitted: 1

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

☐ **NA:** No acid added ☐ Other-*specify:* ☐A: 5ml conc. HNO_3 added ☐A: 4ml fuming HNO_3 added

ANALYTICAL RESULTS from SAMPLES

NF, NA	Units	Date analyzed
☐ Conductivity (Corrected) 25°C (00095)	μmho	
☐ Total non-filterable residue (suspended) (00530)	mg/l	
☒ Other: Phenols	< 50 μg/l	5/27/86
☐ 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	Units	Date analyzed
☐ 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	Units	Date analyzed
☐ Nitrate-N +, Nitrate-N dissolved (00631)	mg/l	
☐ Ammonia-N dissolved (00608)	mg/l	
☐ Total Kjeldahl-N ( )	mg/l	
☐ Other:		

Analyst | Date Reported: 5 27 86 | Reviewed by: CQ

Laboratory remarks: Received seals intact CQ 5/22/86 11:35 am

SLD 726 (12/84)

FOR OCD USE -- Date Owner Notified _____ Phone or letter? _____ Initials _____

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

850
3

GENERAL WATER CHEMISTRY and NITROGEN ANALYSIS

DATE RECEIVED 5 22 86	LAB NO. WC-2216	USER CODE ☐ 59300 ☐ 59600 ☒ OTHER: 82235	
Collection DATE 86 05 21 (860521)	SITE INFORMATION ►	Sample location Well #1	
Collection TIME 1145		Collection site description Florida Wells Well Field	
Collected by — Person/Agency D. Boyer/OCD			

SEND FINAL REPORT TO ►

ENVIRONMENTAL BUREAU
NM OIL CONSERVATION DIVISION
State Land Office Bldg, PO Box 2088
Santa Fe, NM 87504-2088

Attn: David Boyer

Phone: 827-5812

Station/ well code

Owner

SAMPLING CONDITIONS

☐ Bailed ☐ Dipped ☐ Pump ☐ Tap	Water level	Discharge	Sample type
pH (00400)	Conductivity (Uncorrected) µmho	Water Temp. (00010) °C	Conductivity at 25°C (00094) µmho

Field comments: Hydrocarbon odor, sheen
Teek Sample

SAMPLE FIELD TREATMENT — *Check proper boxes*

No. of samples submitted: 1

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

☐ NA: No acid added ☐ Other-*specify:* ☐ A: 5ml conc. HNO_3 added ☐ A: 4ml fuming HNO_3 added

ANALYTICAL RESULTS from SAMPLES

NF, NA	Units	Date analyzed
☐ Conductivity (Corrected) 25°C (00095)	µmho	
☐ Total non-filterable residue (suspended) (00530)	mg/l	
☒ Other: Phenols	<50 µg/l	5/27/86
☐ 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	Units	Date analyzed
☐ 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	Units	Date analyzed
☐ Nitrate-N +, Nitrate-N dissolved (00631)	mg/l	
☐ Ammonia-N dissolved (00608)	mg/l	
☐ Total Kjeldahl-N ( )	mg/l	
☐ Other:		

Analyst | Date Reported 5 27 86 | Reviewed by

Laboratory remarks: Received seals intact, CD 5/22/86 11:35 am

SLD 726 (12/84)

FOR OCD USE -- Date Owner Notified _____ Phone or letter? _____ Initials _____

86-0474-D

STATE OF NEW MEXICO
ENVIRONMENT

SCIENTIFIC LABORATORY DIVISION
700 Camino de Salud NE
Albuquerque, NM 87106 841-2570

REPORT TO: (PLEASE PRINT) DAVID G. BOYER
NEW MEXICO OIL CONSERVATION DIV.
P.O. BOX 2088
SANTA FE, NM 87504-2088
PHONE(S): 827-5812

S.L.D. No.: OR- 474 A,B,C
DATE REC. : 4/28/86.
SLD PRIORITY #:

USER CODE: 8 2 2 3 5

SUBMITTER: DAVID BOYER
SUBMITTER CODE:

SAMPLE TYPE: WATER [X], SOIL [ ], OTHER
SAMPLE TYPE CODE:

COLLECTED: 4/25/86 - 10:50 BY DB
DATE TIME INITIALS
CODE: 8 6 0 4 2 5 1 0 5 0 D B
Y Y M M D D H H M M I I I

SOURCE: WELL 51
CODE:
AQUIFER DEPTH

NEAREST CITY: FLORA VISTA
CODE:

LOCATION:
CODE:
TOWNSHIP RANGE SECTION TRACTS

pH=_____; Conductivity=_____umho/cm at _____°C; Chlorine Residual=_____
Dissolved Oxygen=_____mg/l; Alkalinity=_____; Flow Rate=_____
Sampling Location, Methods and Remarks (i.e. odors, etc.)

RECOVERY - Hydrocarbon odor

I certify that the statements in this block accurately reflect the results of my field analyses, observations and activities. Jami Bailey Dave Boyer

Method of shipment to the Laboratory Hand carried

This form accompanies ___ Septum Vials, 3 Glass Jugs, ___ _____
Containers are marked as follows to indicate preservation:
[ ] NP: No preservation; sample stored at room temperature.
[X] P-Ice Sample stored in an ice bath (not frozen).
[ ] P-$Na_2S_2O_3$; Sample preserved with $Na_2S_2O_3$ to remove chlorine residual.

I (we) certify that this sample was transferred from Dave Boyer OCD
to T.F. at (location) SLD on
__/__/__ - __:__ and that the statements in this block are correct.
DATE AND TIME
Evidentiary Seals: Not Sealed [ ] Seals Intact: Yes [X] No [ ]
Signatures J. Tinney

(we) certify that this sample was transferred from _____
to _____ at (location) _____ on
__/__/__ - __:__ and that the statements in this block are correct.
DATE AND TIME
Evidentiary Seals: Not Sealed [ ] Seals Intact: Yes [ ] No [ ]
Signatures _____

ANALYSES REQUESTED

LAB. No.: ORG- 474

PLEASE CHECK THE APPROPRIATE BOXES BELOW TO INDICATE THE TYPE OF ANALYTICAL SCREENS REQUIRED. WHENEVER POSSIBLE LIST SPECIFIC COMPOUNDS SUSPECTED OR REQUIRED.

QUALITATIVE	QUANTITATIVE	PURGEABLE SCREENS	QUALITATIVE	QUANTITATIVE	EXTRACTABLE SCREENS
		ALIPHATIC HYDROCARBON SCREEN			ALIPHATIC HYDROCARBONS
		AROMATIC HYDROCARBON SCREEN			CHLORINATED HYDROCARBON PESTICIDES
		HALOGENATED HYDROCARBON SCREEN			CHLOROPHENOXY ACID HERBICIDES
		GAS CHROMATOGRAPH/MASS SPECTROMETER			HYDROCARBON FUEL SCREEN
					ORGANOPHOSPHATE PESTICIDES
					POLYCHLORINATED BIPHENYLS (PCB's)
				✓	POLYNUCLEAR AROMATIC HYDROCARBONS
					TRIAZINE HERBICIDES
		SPECIFIC COMPOUNDS			SPECIFIC COMPOUNDS

REMARKS:

ANALYTICAL RESULTS

COMPOUND	[PPB]	COMPOUND	[PPB]
		* DETECTION LIMIT	

REMARKS:

Cap liner resembles wax coated Cardboard. Sample was improperly collected with a wax lined cap. Sample Not analyzed

CERTIFICATE OF ANALYTICAL PERSONNEL

Seal(s) Intact: Yes ✓ NO ___. Seal(s) broken by: C S Pomeroy date: 4/30/86

I certify that I followed standard laboratory procedures on handling and analysis of this sample unless otherwise noted and that the statements in this block and the analytical data on this page accurately reflect the analytical results for this sample.

Date(s) of analysis: _____. Analyst's signature: _____

I certify that I have reviewed and concur with the analytical results for this sample and with the statements in this block. Reviewers signature: R Meyerhen

86-0475-D

STATE OF NEW MEXICO
ENVIRONMENT

SCIENTIFIC LABORATORY DIVISION

700 Camino de Salud NE
Albuquerque, NM 87106 841-2570

REPORT TO: DAVID G. BOYER
PLEASE PRINT
NEW MEXICO OIL CONSERVATION DIV.
P.O. BOX 2088
SANTA FE, NM 87504-2088
PHONE(S): 827-5812

S.L.D. No.: OR- 475 A, B, C
DATE REC. : 4/28/86.
SLD PRIORITY #:

USER CODE: 8 2 2 3 5

SUBMITTER: DAVID BOYER
SUBMITTER CODE:

SAMPLE TYPE: WATER ☒, SOIL ☐, OTHER
SAMPLE TYPE CODE:

COLLECTED: 4/24/86 - 13:10 BY DB
DATE TIME INITIALS
CODE: 8 6 0 4 2 4 1 3 1 0 D B
Y Y M M D D H H M M I I I

SOURCE: WELL 51
CODE: AQUIFER DEPTH

NEAREST CITY: FLORA VISTA
CODE:

LOCATION:
CODE: TOWNSHIP RANGE SECTION TRACTS

pH=_____; Conductivity=_____umho/cm at _____°C; Chlorine Residual=_____
Dissolved Oxygen=_____mg/l; Alkalinity=_____; Flow Rate=_____
Sampling Location, Methods and Remarks (i.e. odors, etc.)

Hydrocarbon odor, 48hr pumping

I certify that the statements in this block accurately reflect the results of my field analyses, observations and activities. David Boyer
Method of shipment to the Laboratory Hand carried
This form accompanies ___ Septum Vials, 3 Glass Jugs, ___ _____
Containers are marked as follows to indicate preservation:
☐ NP: No preservation; sample stored at room temperature.
☒ P-Ice Sample stored in an ice bath (not frozen).
☐ P-$Na_2S_2O_3$; Sample preserved with $Na_2S_2O_3$ to remove chlorine residual.

*

I (we) certify that this sample was transferred from David Boyer DCB
to S.F. at (location) SLD on
__/__/__ - __:__ and that the statements in this block are correct.
DATE AND TIME
Evidentiary Seals: Not Sealed ☐ Seals Intact: Yes ☒ No ☐
Signatures A. Tinney David Boyer

(we) certify that this sample was transferred from _____
to _____ at (location) _____ on
__/__/__ - __:__ and that the statements in this block are correct.
DATE AND TIME
Evidentiary Seals: Not Sealed ☐ Seals Intact: Yes ☐ No ☐
Signatures _____

ANALYSES REQUESTED

LAB. No.: ORG- 475

PLEASE CHECK THE APPROPRIATE BOXES BELOW TO INDICATE THE TYPE OF ANALYTICAL SCREENS REQUIRED. WHENEVER POSSIBLE LIST SPECIFIC COMPOUNDS SUSPECTED OR REQUIRED.

QUALITATIVE	QUANTITATIVE	PURGEABLE SCREENS
		ALIPHATIC HYDROCARBON SCREEN
		AROMATIC HYDROCARBON SCREEN
		HALOGENATED HYDROCARBON SCREEN
		GAS CHROMATOGRAPH/MASS SPECTROMETER
		SPECIFIC COMPOUNDS

QUALITATIVE	QUANTITATIVE	EXTRACTABLE SCREENS
		ALIPHATIC HYDROCARBONS
		CHLORINATED HYDROCARBON PESTICIDES
		CHLOROPHENOXY ACID HERBICIDES
		HYDROCARBON FUEL SCREEN
		ORGANOPHOSPHATE PESTICIDES
		POLYCHLORINATED BIPHENYLS (PCB's)
	✓	POLYNUCLEAR AROMATIC HYDROCARBONS
		TRIAZINE HERBICIDES
		SPECIFIC COMPOUNDS

REMARKS:

ANALYTICAL RESULTS

COMPOUND	[PPB]	COMPOUND	[PPB]
GC/MS Analysis indicated			
2 phthalate esters. No			
other semi volatiles were			
detected.			
		* DETECTION LIMIT	

REMARKS:

Cap liners resemble wax coated cardboard. Sample was improperly collected with a waxed cap liner.

CERTIFICATE OF ANALYTICAL PERSONNEL

Seal(s) Intact: Yes ✓ NO ___. Seal(s) broken by: CS Dunlap date: 4/30/86

I certify that I followed standard laboratory procedures on handling and analysis of this sample unless otherwise noted and that the statements in this block and the analytical data on this page accurately reflect the analytical results for this sample.

Date(s) of analysis: 5/1/86. Analyst's signature: L Meyerhen

I certify that I have reviewed and concur with the analytical results for this sample and with the statements in this block. Reviewers signature: _____

86-0473-D

STATE OF NEW MEXICO
ENVIRONMENT

OIL CONSERVATION DIVISION
SANTA FE

SCIENTIFIC LABORATORY DIVISION
700 Camino de Salud NE
Albuquerque, NM 87106 841-2570

REPORT TO: DAVID G. BOYER
PLEASE PRINT
NEW MEXICO OIL CONSERVATION DIV.
P.O. BOX 2088
SANTA FE, NM 87504-2088
PHONE(S): 827-5812

S.L.D. No.: OR- #73A,B,C
DATE REC. : 4/28/86
SLD PRIORITY #:

USER CODE: 8|2|2|3|5

SUBMITTER: DAVID BOYER
SUBMITTER CODE:

SAMPLE TYPE: WATER ☒, SOIL ☐, OTHER
SAMPLE TYPE CODE:

COLLECTED: 4/23/86 - 13:10 BY DB
DATE TIME INITIALS
CODE: 8|6|0|4|2|3|1|3|1|0|A|3|
Y Y M M D D H H M M I I I

SOURCE: WELL S1
CODE: AQUIFER DEPTH

NEAREST CITY: FLORA VISTA
CODE:

LOCATION:
CODE: TOWNSHIP RANGE SECTION TRACTS

pH=_____; Conductivity=_____umho/cm at _____°C; Chlorine Residual=_____
Dissolved Oxygen=_____mg/l; Alkalinity=_____; Flow Rate=_____
Sampling Location, Methods and Remarks (i.e. odors, etc.)
24 hour Well pumping, hydrocarbon odor (smells like kerosene)

I certify that the statements in this block accurately reflect the results of my field analyses, observations and activities. Donna Bailey David Boyer
Method of shipment to the Laboratory Hand Carried
This form accompanies ___Septum Vials, 3 Glass Jugs, ___ *
Containers are marked as follows to indicate preservation:
☐ NP: No preservation; sample stored at room temperature.
☒ P-Ice Sample stored in an ice bath (not frozen).
☐ P-$Na_2S_2O_3$; Sample preserved with $Na_2S_2O_3$ to remove chlorine residual.

I (we) certify that this sample was transferred from David Boyer
to J. Tinney at (location) SL-1 on
__/__/__-__:__ and that the statements in this block are correct.
DATE AND TIME
Evidentiary Seals: Not Sealed ☐ Seals Intact: Yes ☒ No ☐
Signatures J. Tinney David Boyer

(we) certify that this sample was transferred from _____
to _____ at (location) _____ on
__/__/__-__:__ and that the statements in this block are correct.
DATE AND TIME
Evidentiary Seals: Not Sealed ☐ Seals Intact: Yes ☐ No ☐
Signatures _____

ANALYSES REQUESTED

LAB. No.: ORG- 473

PLEASE CHECK THE APPROPRIATE BOXES BELOW TO INDICATE THE TYPE OF ANALYTICAL SCREENS REQUIRED. WHENEVER POSSIBLE LIST SPECIFIC COMPOUNDS SUSPECTED OR REQUIRED.

QUALITATIVE	QUANTITATIVE	PURGEABLE SCREENS	QUALITATIVE	QUANTITATIVE	EXTRACTABLE SCREENS
		ALIPHATIC HYDROCARBON SCREEN			ALIPHATIC HYDROCARBONS
		AROMATIC HYDROCARBON SCREEN			CHLORINATED HYDROCARBON PESTICIDES
		HALOGENATED HYDROCARBON SCREEN			CHLOROPHENOXY ACID HERBICIDES
		GAS CHROMATOGRAPH/MASS SPECTROMETER			HYDROCARBON FUEL SCREEN
					ORGANOPHOSPHATE PESTICIDES
					POLYCHLORINATED BIPHENYLS (PCB's)
				✓	POLYNUCLEAR AROMATIC HYDROCARBONS
					TRIAZINE HERBICIDES
		SPECIFIC COMPOUNDS			SPECIFIC COMPOUNDS

REMARKS:

ANALYTICAL RESULTS

COMPOUND	[PPB]	COMPOUND	[PPB]
GC/MS screen indicated			
5 different phthalate esters			
No other compounds were			
detected.			
		* DETECTION LIMIT	

REMARKS:

Cap liners look like wax coated cardboard. This sample was improperly collected with the sample in contact with a waxed cap.

CERTIFICATE OF ANALYTICAL PERSONNEL

Seal(s) Intact: Yes ✓ NO ___. Seal(s) broken by: A.S. Bursey date: 4/20/86

I certify that I followed standard laboratory procedures on handling and analysis of this sample unless otherwise noted and that the statements in this block and the analytical data on this page accurately reflect the analytical results for this sample.

Date(s) of analysis: 5/2/86. Analyst's signature: K Meyerhoffer

I certify that I have reviewed and concur with the analytical results for this sample and with the statements in this block. Reviewers signature: _____

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: 4/28/86	LAB NO: WC-4797	USER CODE: ☐ 59300 ☐ 59600 ☒ OTHER: 82235	
Collection DATE: 4/23/86	SITE INFORMATION ►	Sample location: WELL 51	
Collection TIME: 1310		Collection site description: FLORA VISTA	
Collected by — Person/Agency: BOYER /OCD			

SEND FINAL REPORT TO ►

ENVIRONMENTAL BUREAU
NM OIL CONSERVATION DIVISION
State Land Office Bldg, PO Box 2088
Santa Fe, NM 87504-2088

Attn: David Boyer

Phone: 827-5812

Station/ well code

Owner

SAMPLING CONDITIONS

☒ Bailed ☐ Dipped ☐ Pump ☐ Tap	Water level	Discharge	Sample type
pH (00400)	Conductivity (Uncorrected) µmho	Water Temp. (00010) °C	Conductivity at 25°C (00094) µmho

Field comments: Oil smell, greasy bailer

SAMPLE FIELD TREATMENT — *Check proper boxes*

No. of samples submitted

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

☒ **NA:** No acid added ☐ Other-*specify:* ☐ A: 5ml conc. HNO_3 added ☐ A: 4ml fuming HNO_3 added

ANALYTICAL RESULTS from SAMPLES

NF, NA	Units	Date analyzed
☐ Conductivity (Corrected) 25°C (00095)	µmho	
☐ Total non-filterable residue (suspended) (00530)	mg/l	
☒ Other: OIL + GREASE C	mg/l	5/5
☐ 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	Units	Date analyzed
☐ 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	Units	Date analyzed
☐ Nitrate-N +, Nitrate-N *dissolved* (00631)	mg/l	
☐ Ammonia-N dissolved (00608)	mg/l	
☐ Total Kjeldahl-N ( )	mg/l	
☐ Other:		

Analyst | Date Reported: 5/9/86 | Reviewed by

Laboratory remarks: received CW 4/25/86 4:38pm

SLD 726 (12/84)

754
3

STATE OF NEW MEXICO
ENVIRONMENT

SCIENTIFIC LABORATORY DIVISION
700 Camino de Salud NE
Albuquerque, NM 87106 841-2570

86- 0585-C

REPORT TO: DAVID G. BOYER
PLEASE PRINT
NEW MEXICO OIL CONSERVATION DIV
P.O. BOX 2088
SANTA FE, NM 87504-2088
PHONE(S): 827-5812

RECEIVED
JUN 8 1986
OIL CONSERVATION DIVISION
SANTA FE

S.L.D. No.: OR- 585.A.B
DATE REC. : 5/22/86
SLD PRIORITY #:

USER CODE: 8 2 2 3 5

SUBMITTER: DAVID BOYER
SUBMITTER CODE:

SAMPLE TYPE: WATER [X], SOIL [ ], OTHER
SAMPLE TYPE CODE:

COLLECTED: 86/05/21 - 14:15 BY DGB/RD
DATE TIME INITIALS
CODE: Y Y M M D D H H M M I I I

SOURCE: Flora Vista System
CODE: AQUIFER DEPTH

NEAREST CITY: Flora Vista
CODE:

LOCATION: System
CODE: 31 0N 11 2W 2 3 3 2 2 1
TOWNSHIP RANGE SECTION TRACTS

pH=_____; Conductivity=_____umho/cm at _____°C; Chlorine Residual=_____
Dissolved Oxygen=_____mg/l; Alkalinity=_____; Flow Rate=_____
Sampling Location, Methods and Remarks (i.e. odors, etc.)
Sample from Hose in Pump House

I certify that the statements in this block accurately reflect the results of my field analyses, observations and activities. David G Boyer
Method of shipment to the Laboratory Hand carried
This form accompanies 2 Septum Vials, ___ Glass Jugs, ___ _____
Containers are marked as follows to indicate preservation:
[ ] NP: No preservation; sample stored at room temperature.
[X] P-Ice Sample stored in an ice bath (not frozen).
[ ] P-$Na_2S_2O_3$; Sample preserved with $Na_2S_2O_3$ to remove chlorine residual.

I (we) certify that this sample was transferred from _____
to _____ at (location) _____ on
__/__/__ - __:__ and that the statements in this block are correct.
DATE AND TIME
Evidentiary Seals: Not Sealed [ ] Seals Intact: Yes [ ] No [ ]
Signatures _____ _____

(we) certify that this sample was transferred from _____
to _____ at (location) _____ on
__/__/__ - __:__ and that the statements in this block are correct.
DATE AND TIME
Evidentiary Seals: Not Sealed [ ] Seals Intact: Yes [ ] No [ ]
Signatures _____ _____

ANALYSES REQUESTED

LAB. No.: ORG- 585

PLEASE CHECK THE APPROPRIATE BOXES BELOW TO INDICATE THE TYPE OF ANALYTICAL SCREENS REQUIRED. WHENEVER POSSIBLE LIST SPECIFIC COMPOUNDS SUSPECTED OR REQUIRED.

QUALITATIVE	QUANTITATIVE	PURGEABLE SCREENS	QUALITATIVE	QUANTITATIVE	EXTRACTABLE SCREENS
		ALIPHATIC HYDROCARBON SCREEN			ALIPHATIC HYDROCARBONS
X	X	AROMATIC HYDROCARBON SCREEN			CHLORINATED HYDROCARBON PESTICIDES
X	X	HALOGENATED HYDROCARBON SCREEN			CHLOROPHENOXY ACID HERBICIDES
		GAS CHROMATOGRAPH/MASS SPECTROMETER			HYDROCARBON FUEL SCREEN
					ORGANOPHOSPHATE PESTICIDES
					POLYCHLORINATED BIPHENYLS (PCB's)
					POLYNUCLEAR AROMATIC HYDROCARBONS
					TRIAZINE HERBICIDES
		SPECIFIC COMPOUNDS			SPECIFIC COMPOUNDS

REMARKS:

ANALYTICAL RESULTS

COMPOUND	[PPB]	COMPOUND	[PPB]
aromatic purgeables	none detected		
halogenated purgeables	none detected		
		* DETECTION LIMIT	1 ugm/l

REMARKS:

CERTIFICATE OF ANALYTICAL PERSONNEL

Seal(s) Intact: Yes XX NO X. Seal(s) broken by: [illegible] date: 6 Jun 86

I certify that I followed standard laboratory procedures on handling and analysis of this sample unless otherwise noted and that the statements in this block and the analytical data on this page accurately reflect the analytical results for this sample.

Date(s) of analysis: 6 Jun 86. Analyst's signature: [signature]

I certify that I have reviewed and concur with the analytical results for this sample and with the statements in this block. Reviewers signature: [signature]

FOR OCD USE -- Date Owner Notified _____ Phone or letter? _____ Initials _____

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

2 859

GENERAL WATER CHEMISTRY and NITROGEN ANALYSIS

DATE RECEIVED 4/28/86	LAB NO. WC-1798	USER CODE ☐ 59300 ☐ 59600 ☒ OTHER: 82235	
Collection DATE 4/23/86	SITE INFORMATION ►	Sample location WELL 51	
Collection TIME 1310		Collection site description FLORA VISTA	
Collected by — Person/Agency BOYER / OCD			

SEND FINAL REPORT TO ►

ENVIRONMENTAL BUREAU
NM OIL CONSERVATION DIVISION
State Land Office Bldg, PO Box 2088
Santa Fe, NM 87504-2088

Attn: David Boyer

Phone: 827-5812

Station/ well code

Owner

SAMPLING CONDITIONS

☒ Bailed ☐ Pump ☐ Dipped ☐ Tap	Water level	Discharge	Sample type Grab
pH (00400)	Conductivity (Uncorrected) μmho	Water Temp. (00010) °C	Conductivity at 25°C (00094) ~ 800 μmho

Field comments

SAMPLE FIELD TREATMENT — *Check proper boxes*

No. of samples submitted 1

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

☒ NA: No acid added ☐ Other-*specify:* ☐ A: 5ml conc. HNO_3 added ☐ A: 4ml fuming HNO_3 added

ANALYTICAL RESULTS from SAMPLES

NF, NA		Units	Date analyzed
☒ Conductivity (Corrected) 25°C (00095)	653.9	μmho	5/24
☐ Total non-filterable residue (suspended) (00530)		mg/l	
☒ Other: pH	8.13		5/1
☐ Other:			
☐ Other:			

F, NA		Units	Date analyzed
☒ Calcium (00915)	110.4	mg/l	5/21
☒ Magnesium (00925)	9.76	mg/l	"
☒ Sodium (00930)	32.2	mg/l	5-6
☒ Potassium (00935)	ø	mg/l	5-6
☒ Bicarbonate (00440)	278.9	mg/l	5/1
☒ Chloride (00940)	16.0	mg/l	5/7
☒ Sulfate (00945)	185	mg/l	5/6/86
☒ Total filterable residue (dissolved) (70300)	1530*	mg/l	5/5
☒ Other: CO_3	0		5/1

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)		mg/l
☐ Ammonia-N dissolved (00608)		mg/l
☐ Total Kjeldahl-N ( )		mg/l
☐ Other:		

Analyst	Date Reported	Reviewed by
	5/23/86	CD

Laboratory remarks

received CD 4/25/86 4:38 pm

*TDS corrected to 498 mg/l
6/9/86 BJB

SLD 726 (12/84)

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

1802 2 859

GENERAL WATER CHEMISTRY and NITROGEN ANALYSIS

DATE RECEIVED	4 / 28 / 86	LAB NO.	WC-1768
Collection DATE	4 / 23 / 86	SITE INFORMATION ►	
Collection TIME	1310		
Collected by — Person/Agency	BOYER / OCD		

USER CODE ☐ 59300 ☐ 59600 ☒ OTHER: 82235

Sample location: WELL 51

Collection site description: FLORA VISTA

SEND FINAL REPORT TO ►

ENVIRONMENTAL BUREAU
NM OIL CONSERVATION DIVISION
State Land Office Bldg, PO Box 2088
Santa Fe, NM 87504-2088

Attn: David Boyer

Phone: 827-5812

Station/ well code

Owner

SAMPLING CONDITIONS

☒ Bailed ☐ Dipped ☐ Pump ☐ Tap	Water level	Discharge	Sample type: Grab
pH (00400)	Conductivity (Uncorrected) μmho	Water Temp. (00010) °C	Conductivity at 25°C (00094) ~800 μmho

Field comments

SAMPLE FIELD TREATMENT — *Check proper boxes*

No. of samples submitted: 1

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

☒ NA: No acid added ☐ Other-*specify:* ☐ A: 5ml conc. HNO_3 added ☐ A: 4ml fuming HNO_3 added

ANALYTICAL RESULTS from SAMPLES

NF, NA		Units	Date analyzed
☒ Conductivity (Corrected) 25°C (00095)	653.09	μmho	5/24
☐ Total non-filterable residue (suspended) (00530)		mg/l	
☒ Other: pH	8.13		5/1
☐ Other:			
☐ Other:			

F, NA		Units	Date analyzed
☒ Calcium (00915)	110.4	mg/l	5/21
☒ Magnesium (00925)	9.76	mg/l	"
☒ Sodium (00930)	32.2	mg/l	5-6
☒ Potassium (00935)	0	mg/l	5-6
☒ Bicarbonate (00440)	278.9	mg/l	5/1
☒ Chloride (00940)	16.0	mg/l	5/7
☒ Sulfate (00945)	185	mg/l	5/6/86
☒ Total filterable residue (dissolved) (70300)	498	mg/l	5/5
☒ Other: CO_3	0		5/1

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)	mg/l	
☐ Ammonia-N dissolved (00608)	mg/l	
☐ Total Kjeldahl-N ( )	mg/l	
☐ Other:		

Analyst	Date Reported	Reviewed by
	5/23/86	CO

Laboratory remarks: received CO 4/25/86 4:38 pm

SLD 726 (12/84)

WC-1802

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: 4/28/86 | LAB NO. WC-1802 | USER CODE ☐ 59300 ☐ 59600 ☒ OTHER: 82235

Collection DATE: 4/23/86 | Collection TIME: 1310 | Collected by — Person/Agency: BOYER /OCD

SITE INFORMATION ►

Sample location: WELL 51

Collection site description: FLORA VISTA

SEND FINAL REPORT TO ►

ENVIRONMENTAL BUREAU
NM OIL CONSERVATION DIVISION
State Land Office Bldg, PO Box 2088
Santa Fe, NM 87504-2088

Attn: David Boyer

Phone: 827-5812

Station/ well code:

Owner:

SAMPLING CONDITIONS

☒ Bailed ☐ Dipped ☐ Pump ☐ Tap	Water level	Discharge	Sample type: Grab
pH (00400)	Conductivity (Uncorrected) µmho	Water Temp. (00010) °C	Conductivity at 25°C (00094) ~ 800 µmho

Field comments:

SAMPLE FIELD TREATMENT — *Check proper boxes*

No. of samples submitted: 1

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

☒ NA: No acid added ☐ Other-*specify:* ☐ A: 5ml conc. HNO_3 added ☐ A: 4ml fuming HNO_3 added

ANALYTICAL RESULTS from SAMPLES

NF, NA	Units	Date analyzed
☒ Conductivity (Corrected) 25°C (00095)	653.9 µmho	5/24
☐ Total non-filterable residue (suspended) (00530)	mg/l	
☒ Other: pH	8.13	5/1
☐ 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)	278.9	mg/l	5/1
☒ Chloride (00940)	16	mg/l	5/7
☒ Sulfate (00945)	185	mg/l	5/6/86
☒ Total filterable residue (dissolved) (70300)	1530	mg/l	5/5
☒ Other: CO_3	0		5/1

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)	mg/l	
☐ Ammonia-N dissolved (00608)	mg/l	
☐ Total Kjeldahl-N ( )	mg/l	
☐ Other:		

Analyst	Date Reported	Reviewed by

Laboratory remarks: received CW 4/25/86 4:38 pm

SLD 726 (12/84)

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

PN HEAVY METALS

GENERAL WATER CHEMISTRY and NITROGEN ANALYSIS

DATE RECEIVED 4 28 86	LAB NO. HM-843	USER CODE ☐ 59300 ☐ 59600 ☒ OTHER: 82235	
Collection DATE 4 23 86	SITE INFORMATION ►	Sample location WELL S1	
Collection TIME 1310		Collection site description FLORA VISTA	
Collected by — Person/Agency BOYER / OCD / OCD			

SEND FINAL REPORT TO ►

ENVIRONMENTAL BUREAU
NM OIL CONSERVATION DIVISION
State Land Office Bldg, PO Box 2088
Santa Fe, NM 87504-2088

Attn: David Boyer

Phone: 827-5812

Station/ well code

Owner

SAMPLING CONDITIONS

☒ Bailed ☐ Dipped ☐ Pump ☐ Tap	Water level	Discharge	Sample type Grab
pH (00400)	Conductivity (Uncorrected) µmho	Water Temp. (00010) °C	Conductivity at 25°C (00094) µmho

Field comments 24 hour sampling

SAMPLE FIELD TREATMENT — *Check proper boxes*

No. of samples submitted 1

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

☐ NA: No acid added ☐ Other-*specify:* ☒ A: 5ml conc. HNO_3 added ☐ A: 4ml fuming HNO_3 added

ANALYTICAL RESULTS from SAMPLES

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

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)	mg/l	
☐ Ammonia-N dissolved (00608)	mg/l	
☐ Total Kjeldahl-N ( )	mg/l	
☐ Other:		

Analyst | Date Reported 6 11 86 | Reviewed by Jim Ashley

Laboratory remarks Seals intact Jeanne Barrera 4/25/86
Seal broken by JTA. 4/28/86

SLD 726 (12/84)

Lab Number: HM 843 Sample Code: Flora Vista

Date Submitted: 4/28/86 Date Analyzed: 4/28/86

By: Boyer / Bailey Reviewed By: Jim Bobby

Date Reported: 6/11/86

Element	ICAP VALUE(MG/L)	AA VALUE(MG/L)
Aluminum	<0.1	
Barium	<0.1	
Berylium	<0.1	
Boron	<0.1	
Cadmium	<0.1	
Calcium	150.	
Chromium	<0.1	
Cobalt	<0.1	
Copper	<0.1	
Iron	<0.1	
Lead	<0.1	
Magnesium	10.	
Manganese	.39	
Molybdenum	<0.1	
Nickel	<0.1	
Silicon	3.8	
Silver	<0.1	
Strontium	3.0	
Tin	<0.1	
Vanadium	<0.1	
Zinc	<0.1	
Arsenic		<0.005
Selenium		<0.005
Mercury		<0.0005

STATE OF NEW MEXICO
ENVIRONMENT

SCIENTIFIC LABORATORY DIVISION
700 Camino de Salud NE
Albuquerque, NM 87106 841-2570

86- 0486-C

REPORT TO: DAVID G. BOYER
PLEASE PRINT
NEW MEXICO OIL CONSERVATION DIV.
P.O. BOX 2088
SANTA FE, NM 87504-2088
PHONE(S): 827-5812

S.L.D. No.: OR- 486-17-B
DATE REC. : 4/28/86
SLD PRIORITY #:

USER CODE: 8|2|2|3|5

SUBMITTER: DAVID BOYER
SUBMITTER CODE: | | | | |

SAMPLE TYPE: WATER [X], SOIL [ ], OTHER _____
SAMPLE TYPE CODE: | |

COLLECTED: 4/25/86 (DATE) - 10:05 (TIME) BY DB (INITIALS)
CODE: 8|6|0|4|2|5|1|0|0|5|0|0 (Y Y M M D D H H M M I I I)

SOURCE: WELL COMPOSITE
CODE: | | | + | | | + | | | | | (AQUIFER + DEPTH)

NEAREST CITY: FLORA VISTA
CODE: | | | | | |

LOCATION: WATER SYSTEM
CODE: | | | | | | | | | | (TOWNSHIP RANGE SECTION TRACTS)

pH=_____; Conductivity=_____umho/cm at _____°C; Chlorine Residual=_____
Dissolved Oxygen=_____mg/l; Alkalinity=_____; Flow Rate=_____
Sampling Location, Methods and Remarks (i.e. odors, etc.)

RECOVERY - Sample from pump house hose

I certify that the statements in this block accurately reflect the results of my field analyses, observations and activities. James Bailey David Boyer
Method of shipment to the Laboratory Hand carried
This form accompanies 2 Septum Vials, ___ Glass Jugs, ___ _____
Containers are marked as follows to indicate preservation:
[ ] NP: No preservation; sample stored at room temperature.
[X] P-Ice Sample stored in an ice bath (not frozen).
[ ] P-$Na_2S_2O_3$; Sample preserved with $Na_2S_2O_3$ to remove chlorine residual.

I (we) certify that this sample was transferred from David Boyer OCD
to J.F. at (location) RLD on
__/__/__ - __:__ (DATE AND TIME) and that the statements in this block are correct.
Evidentiary Seals: Not Sealed [ ] Seals Intact: Yes [X] No [ ]
Signatures J. Fanoy David Boyer

(we) certify that this sample was transferred from _____
to _____ at (location) _____ on
__/__/__ - __:__ (DATE AND TIME) and that the statements in this block are correct.
Evidentiary Seals: Not Sealed [ ] Seals Intact: Yes [ ] No [ ]
Signatures _____ _____

ANALYSES REQUESTED

LAB. No.: ORG- 486

PLEASE CHECK THE APPROPRIATE BOXES BELOW TO INDICATE THE TYPE OF ANALYTICAL SCREENS REQUIRED. WHENEVER POSSIBLE LIST SPECIFIC COMPOUNDS SUSPECTED OR REQUIRED.

QUALITATIVE	QUANTITATIVE	PURGEABLE SCREENS	QUALITATIVE	QUANTITATIVE	EXTRACTABLE SCREENS
		ALIPHATIC HYDROCARBON SCREEN			ALIPHATIC HYDROCARBONS
X	X	AROMATIC HYDROCARBON SCREEN			CHLORINATED HYDROCARBON PESTICIDES
X	X	HALOGENATED HYDROCARBON SCREEN			CHLOROPHENOXY ACID HERBICIDES
		GAS CHROMATOGRAPH/MASS SPECTROMETER			HYDROCARBON FUEL SCREEN
					ORGANOPHOSPHATE PESTICIDES
					POLYCHLORINATED BIPHENYLS (PCB's)
					POLYNUCLEAR AROMATIC HYDROCARBONS
					TRIAZINE HERBICIDES
		SPECIFIC COMPOUNDS			SPECIFIC COMPOUNDS

REMARKS: 20 ml Vial

ANALYTICAL RESULTS

COMPOUND	[PPB]	COMPOUND	[PPB]
aromatic hydrocarbons **	none detected	halogenated hydrocarbons	**
		~~CH_2Cl_2~~	~~**~~
		Dichloromethane	14
		**	1
		* DETECTION LIMIT	1

REMARKS: Sample septum was inverted with rubber side toward sample trace of unsaturated hydrocarbons at less than 1 ppb

CERTIFICATE OF ANALYTICAL PERSONNEL

Seal(s) Intact: Yes ✓ NO ___. Seal(s) broken by: Mary C. Eden date: 4/30/86

I certify that I followed standard laboratory procedures on handling and analysis of this sample unless otherwise noted and that the statements in this block and the analytical data on this page accurately reflect the analytical results for this sample.

Date(s) of analysis: 4/30/86. Analyst's signature: Mary C. Eden

I certify that I have reviewed and concur with the analytical results for this sample and with the statements in this block. Reviewers signature: L. Brayham

STATE OF NEW MEXICO
ENVIRONMENT

SCIENTIFIC LABORATORY DIVISION
700 Camino de Salud NE
[illegible]ue, NM 87106 841-2570

86 [illegible]57 -C

REPORT TO: DAVID G. BOYER
PLEASE PRINT
NEW MEXICO OIL CONSERVATION DIV.
P.O. BOX 2088
SANTA FE, NM 87501
PHONE(S): 827-5812

S.L.D. No.: OR- 57 H.B
DATE REC. : 1-27-86
SLD PRIORITY #: 2

USER CODE: 8 2 2 3 5

SUBMITTER: DAVID BOYER
SUBMITTER CODE:

SAMPLE TYPE: WATER [X], SOIL [ ], OTHER
SAMPLE TYPE CODE:

COLLECTED: 86/01/17 (DATE) - 10:40 (TIME) BY DGB (INITIALS)
CODE: Y Y M M D D H H M M I I I

SOURCE: Composite Sample - Domestic Wells
CODE: AQUIFER + DEPTH

NEAREST CITY: Flora Vista
CODE:

LOCATION: Pump House Tap
CODE: TOWNSHIP RANGE SECTION TRACTS

pH= —; Conductivity= — umho/cm at — °C; Chlorine Residual= —
Dissolved Oxygen= — mg/l; Alkalinity= —; Flow Rate= —
Sampling Location, Methods and Remarks (i.e. odors, etc.)

From hose at pump house tap after running water 15-20 minutes

I certify that the statements in this block accurately reflect the results of my field analyses, observations and activities. David G Boyer
Method of shipment to the Laboratory Hand carried - J. Bailey
This form accompanies 2 Septum Vials, ___ Glass Jugs, ___
Containers are marked as follows to indicate preservation:
[ ] NP: No preservation; sample stored at room temperature.
[X] P-Ice Sample stored in an ice bath (not frozen).
[ ] P-$Na_2S_2O_3$; Sample preserved with $Na_2S_2O_3$ to remove chlorine residual.

I (we) certify that this sample was transferred from ___
to ___ at (location) ___ on
___/___/___ - ___:___ (DATE AND TIME) and that the statements in this block are correct.
Evidentiary Seals: Not Sealed [ ] Seals Intact: Yes [ ] No [ ]
Signatures ___ ___

(we) certify that this sample was transferred from ___
to ___ at (location) ___ on
___/___/___ - ___:___ (DATE AND TIME) and that the statements in this block are correct.
Evidentiary Seals: Not Sealed [ ] Seals Intact: Yes [ ] No [ ]
Signatures ___ ___

ANALYSES REQUESTED

LAB. No.: ORG- 57

PLEASE CHECK THE APPROPRIATE BOXES BELOW TO INDICATE THE TYPE OF ANALYTICAL SCREENS REQUIRED. WHENEVER POSSIBLE LIST SPECIFIC COMPOUNDS SUSPECTED OR REQUIRED.

QUALITATIVE	QUANTITATIVE	PURGEABLE SCREENS	QUALITATIVE	QUANTITATIVE	EXTRACTABLE SCREENS
		ALIPHATIC HYDROCARBON SCREEN			ALIPHATIC HYDROCARBONS
X	X	AROMATIC HYDROCARBON SCREEN			CHLORINATED HYDROCARBON PESTICIDES
X	X	HALOGENATED HYDROCARBON SCREEN			CHLOROPHENOXY ACID HERBICIDES
		GAS CHROMATOGRAPH/MASS SPECTROMETER			HYDROCARBON FUEL SCREEN
X	X	Head Space Test			ORGANOPHOSPHATE PESTICIDES
					POLYCHLORINATED BIPHENYLS (PCB's)
					POLYNUCLEAR AROMATIC HYDROCARBONS
					TRIAZINE HERBICIDES
		SPECIFIC COMPOUNDS			SPECIFIC COMPOUNDS

REMARKS:

ANALYTICAL RESULTS

COMPOUND	[PPB]	COMPOUND	[PPB]
Methane in Headspace	N.D.		
Lab Air	2ppm		
halo. purg. screen ⊛	none detected		
arom. purg. screen ⊙	none detected		
		⊙ DETECTION LIMIT	1 ppb
		⊛ DETECTION LIMIT	5 ppb
		* DETECTION LIMIT	2ppm

REMARKS:

CERTIFICATE OF ANALYTICAL PERSONNEL

Seal(s) Intact: Yes ___ NO X. Seal(s) broken by: _____ date: _____

I certify that I followed standard laboratory procedures on handling and analysis of this sample unless otherwise noted and that the statements in this block and the analytical data on this page accurately reflect the analytical results for this sample.

Date(s) of analysis: 2/4/86 " . Analyst's signature: C Burns, JR Tinney

I certify that I have reviewed and concur with the analytical results for this sample and with the statements in this block. Reviewers signature: K Meyerhen

STATE OF NEW MEXICO
ENVIRONMENT

SCIENTIFIC LABORATORY DIVISION
7 Camino de Salud NE
Albuquerque, NM 87106 841-2570

85-1111-C

REPORT TO: DAVID G. BOYER
PLEASE PRINT
NEW MEXICO OIL CONSERVATION DIV.
P.O. BOX 2088
SANTA FE, NM 87501
PHONE(S): 827-5812

S.L.D. No.: OR-1111
DATE REC. : 10/29/85
SLD PRIORITY #: 2

USER CODE: 8 2 2 3 5

SUBMITTER: D. G. BOYER
SUBMITTER CODE:

SAMPLE TYPE: WATER [X], SOIL [ ], OTHER
SAMPLE TYPE CODE:

COLLECTED: 85/10/25 (DATE) - 13:40 (TIME) BY D&B (INITIALS)
CODE: Y Y M M D D H H M M I I I

SOURCE: 3 well System, Campbell, Flora Vista
CODE: AQUIFER + DEPTH

NEAREST CITY: Flora Vista
CODE:

LOCATION: Pump House Tap
CODE: TOWNSHIP RANGE SECTION TRACTS

pH=____; Conductivity=____umho/cm at ____°C; Chlorine Residual=____

Dissolved Oxygen=____mg/l; Alkalinity=____; Flow Rate=____

Sampling Location, Methods and Remarks (i.e. odors, etc.)

Sample from tap after running from Hose for 5 minutes. Witnessed by Roy Penrod FVWUA (Wells on line are S#2, S#3 and S#6 DHB 1/16/86)

I certify that the statements in this block accurately reflect the results of my field analyses, observations and activities. D.G. Boyer

Method of shipment to the Laboratory Hand Carried

This form accompanies 2 Septum Vials, ___ Glass Jugs, ___

Containers are marked as follows to indicate preservation:

- [ ] NP: No preservation; sample stored at room temperature.
- [X] P-Ice: Sample stored in an ice bath (not frozen).
- [ ] P-$Na_2S_2O_3$; Sample preserved with $Na_2S_2O_3$ to remove chlorine residual.

I (we) certify that this sample was transferred from D.G. BOYER to R.F. Meyerhein at (location) SLD Specimen Receiving on 85/10/29 (DATE AND TIME) - 14:30 and that the statements in this block are correct.

Evidentiary Seals: Not Sealed [ ] Seals Intact: Yes [X] No [ ]

Signatures D.G. Boyer R. Meyerhein

(we) certify that this sample was transferred from ____

to ____ at (location) ____ on

__/__/__ (DATE AND TIME) - __:__ and that the statements in this block are correct.

Evidentiary Seals: Not Sealed [ ] Seals Intact: Yes [ ] No [ ]

Signatures ____

ANALYSES REQUESTED

LAB. No.: ORG- 1111

PLEASE CHECK THE APPROPRIATE BOXES BELOW TO INDICATE THE TYPE OF ANALYTICAL SCREENS REQUIRED. WHENEVER POSSIBLE LIST SPECIFIC COMPOUNDS SUSPECTED OR REQUIRED.

QUALITATIVE	QUANTITATIVE	PURGEABLE SCREENS	QUALITATIVE	QUANTITATIVE	EXTRACTABLE SCREENS
		ALIPHATIC HYDROCARBON SCREEN			ALIPHATIC HYDROCARBONS
X	X	AROMATIC HYDROCARBON SCREEN			CHLORINATED HYDROCARBON PESTICIDES
X	X	HALOGENATED HYDROCARBON SCREEN			CHLOROPHENOXY ACID HERBICIDES
		GAS CHROMATOGRAPH/MASS SPECTROMETER			HYDROCARBON FUEL SCREEN
					ORGANOPHOSPHATE PESTICIDES
	X	Head Space Test			POLYCHLORINATED BIPHENYLS (PCB's)
					POLYNUCLEAR AROMATIC HYDROCARBONS
					TRIAZINE HERBICIDES
		SPECIFIC COMPOUNDS			SPECIFIC COMPOUNDS

REMARKS:

ANALYTICAL RESULTS

COMPOUND	[PPB]	COMPOUND	[PPB]
halo. purg. screen	none detected		
arom. purg. screen *	none detected		
Methane in Head Space	1.1 ppm		
Methane in Air	0.4 ppm		
Method Detection Level	0.4 ppm		
		* DETECTION LIMIT	1 ug/m/l

REMARKS: * One compound was detected by the aromatic screen that was not identified; however, it is only a trace amount.

CERTIFICATE OF ANALYTICAL PERSONNEL

Seal(s) Intact: Yes X NO ___. Seal(s) broken by: JM Finney date: 11-7-85

I certify that I followed standard laboratory procedures on handling and analysis of this sample unless otherwise noted and that the statements in this block and the analytical data on this page accurately reflect the analytical results for this sample.

Date(s) of analysis: 11-7-85 12/5/85 Analyst's signature: JM Finney CS Barnes

I certify that I have reviewed and concur with the analytical results for this sample and with the statements in this block. Reviewers signature: L Meyerhoff

STATE OF NEW MEXICO
ENVIRONMENT

85-0826-C

C LABORATORY DIVISION
700 Camino de Salud NE
Albuquerque, NM 87106 841-2570

REPORT TO: DAVID G. BOYER
PLEASE PRINT
NEW MEXICO OIL CONSERVATION DIV.
P.O. BOX 2088
SANTA FE, NM 87501
PHONE(S): 827-5812

S.L.D. No.: OR-826-A.B
DATE REC. : 8/09/85
SLD PRIORITY #: 2

USER CODE: 8|2|2|3|5

SUBMITTER: DAVID BOYER
SUBMITTER CODE: | | | |

SAMPLE TYPE: WATER [X], SOIL [ ], OTHER ____
SAMPLE TYPE CODE: | |

COLLECTED: 8/5/85-16:45 BY JB/PB
DATE TIME INITIALS
CODE: 8|5|0|8|0|5|1|6|4|5|JB
Y Y M M D D H H M M I I I

SOURCE: FLORA VISTA PUMP HOUSE
CODE: | | | + | | | + | | | | |
AQUIFER DEPTH

NEAREST CITY: FLORA VISTA
CODE: | | | | | |

LOCATION: FAUCET IN PUMP HOUSE
CODE: | | | | | | | | | | |
TOWNSHIP RANGE SECTION TRACTS

pH=____; Conductivity= 275 umho/cm at 18 °C; Chlorine Residual=____
Dissolved Oxygen=____mg/l; Alkalinity=____; Flow Rate=____
Sampling Location, Methods and Remarks (i.e. odors, etc.)
COLLECTED FROM GARDEN HOSE

I certify that the statements in this block accurately reflect the results of my field analyses, observations and activities. Jami Bailey
Method of shipment to the Laboratory Hand carried
This form accompanies 2 Septum Vials, ___ Glass Jugs, ___ ____
Containers are marked as follows to indicate preservation:
[ ] NP: No preservation; sample stored at room temperature.
[X] P-Ice Sample stored in an ice bath (not frozen).
[ ] P-$Na_2S_2O_3$; Sample preserved with $Na_2S_2O_3$ to remove chlorine residual.

I (we) certify that this sample was transferred from Santa Fe OCD
to Albuquerque at (location) SLD on
8/9/85-17:50 and that the statements in this block are correct.
DATE AND TIME
Evidentiary Seals: Not Sealed [ ] Seals Intact: Yes [✓] No [✓]
Signatures Philip L. Baca wet seals, peal off JC Finney

(we) certify that this sample was transferred from ____
to ____ at (location) ____ on
__/__/__-__:__ and that the statements in this block are correct.
DATE AND TIME
Evidentiary Seals: Not Sealed [ ] Seals Intact: Yes [ ] No [ ]
Signatures ____ ____

ANALYSES REQUESTED

LAB. No.: ORG- 826

PLEASE CHECK THE APPROPRIATE BOXES BELOW TO INDICATE THE TYPE OF ANALYTICAL SCREENS REQUIRED. WHENEVER POSSIBLE LIST SPECIFIC COMPOUNDS SUSPECTED OR REQUIRED.

QUALITATIVE	QUANTITATIVE	PURGEABLE SCREENS	QUALITATIVE	QUANTITATIVE	EXTRACTABLE SCREENS
X	X	ALIPHATIC HYDROCARBON SCREEN ≠			ALIPHATIC HYDROCARBONS
X	X	AROMATIC HYDROCARBON SCREEN			CHLORINATED HYDROCARBON PESTICIDES
X	X	HALOGENATED HYDROCARBON SCREEN			CHLOROPHENOXY ACID HERBICIDES
		GAS CHROMATOGRAPH/MASS SPECTROMETER			HYDROCARBON FUEL SCREEN
X	X	HEAD SPACE TEST			ORGANOPHOSPHATE PESTICIDES
					POLYCHLORINATED BIPHENYLS (PCB's)
					POLYNUCLEAR AROMATIC HYDROCARBONS
		≠ Not performed - 9/9/85 RVB			TRIAZINE HERBICIDES
		SPECIFIC COMPOUNDS			SPECIFIC COMPOUNDS

REMARKS:

ANALYTICAL RESULTS

COMPOUND	~~[PPB]~~	COMPOUND	[PPB]
arom. purg. Screen	N.D.*		
halo. purg. screen	N.D.*		
methane in Head Space	13.6 ppm		
		* DETECTION LIMIT	2 ug/L

REMARKS:

Methane in lab Air = 1.3 ppm MDL = 1 ppm

CERTIFICATE OF ANALYTICAL PERSONNEL

Seal(s) Intact: Yes___ NO X. Seal(s) broken by: RVB date: 12 Aug 85

I certify that I followed standard laboratory procedures on handling and analysis of this sample unless otherwise noted and that the statements in this block and the analytical data on this page accurately reflect the analytical results for this sample.

Date(s) of analysis: 12 Aug 85 8/27/85 Analyst's signature: M Zinney C Beeney

I certify that I have reviewed and concur with the analytical results for this sample and with the statements in this block. Reviewers signature: K Meyerhorn

REPORT 85 0376 Environmental Improvement Division
Environment Department
P.O. Box 968 - Crown Building
Santa Fe, New Mexico 87504-0968
ATTENTION: D. Earp
BUREAU: GW/HW

LABORATORY 5/6/85
LAB NUMBER OR 376A,B

SLD Users Code No. 59300

ALL CONTAINERS WHICH THIS FORM ACCOMPANIES ARE COLLECTIVELY REFERRED TO AS "SAMPLE".

CERTIFICATE OF FIELD PERSONNEL

Sample Type: Water ☒ Soil ☐ Other

Water Supply and/or Code No. Linda Nance

City & County PO Box 828 Flora Vista 87415

Collected (date & time) 850501 1445 By (name) D. Earp - EID

pH= 6.45 ; Conductivity= 1695 umho/cm at 15.2 °C; Chlorine Residual=

Dissolved Oxygen= mg/l; Alkalinity= ; Flow Rate=

Sampling Location, Methods & Remarks (i.e. odors etc.)

very muddy
H_2S Smell

I certify that the statements in this block accurately reflect the results of my field analyses, observations and activities. Signed

I certify that I witnessed these field analyses, observations and activities and concur with the statements in this block. Signed

Method of Shipment to Laboratory

THIS FORM ACCOMPANIES 2 septum vials with teflon-lined discs identified as:
specimen ; duplicate ; triplicate ; blank(s) ,
and amber glass jug(s) with teflon-lined cap(s) identified as ,
and other container(s) (describe) identified as .
Containers are marked as follows to indicate preservation (circle):
NP: No preservation; sample stored at room temperature (~20°C).
P-ICE: Sample stored in an ice bath.
P-$Na_2O_3S_2$: Sample preserved with 3 mg $Na_2O_3S_2$/40 ml and stored at room temperature.

CERTIFICATE(S) OF SAMPLE RECEIPT

I (we) certify that this sample was transferred from to
at (location) on
(date & time) and that the statements in this block are correct.
Disposition of Sample . Seal(s) Intact: Yes ☐ No ☐ .
Signature(s)

I (we) certify that this sample was transferred from to
at (location) on
(date & time) and that the statements in this block are correct.
Disposition of Sample . Seal(s) Intact: Yes ☐ No ☐ .
Signature(s)

RECEIVED
JUN 24 1985
LIQUID WASTE/GROUND WATER SURVEILLANCE

ANALYSES REQUESTED LAB. NO. 376

PLEASE CHECK THE APPROPRIATE BOXES BELOW TO INDICATE THE TYPE OF ANALYTICAL SCREENS REQUIRED. WHENEVER POSSIBLE LIST SPECIFIC COMPOUNDS SUSPECTED OR REQUIRED.

QUALITATIVE	QUANTATIVE	PURGEABLE SCREEN	QUALITATIVE	QUANTATIVE	EXTRACTABLES SCREEN
		ALIPHATIC HYDROCARBON SCREEN			ALIPHATIC HYDROCARBONS
		AROMATIC HYDROCARBON SCREEN			CHLORINATED HYDROCARBON PESTICIDES
		HALOGENATED HYDROCARBON SCREEN			CHLOROPHENOXY ACID HERBICIDES
	X	GAS CHROMATOGRAPH/MASS SPECTROMETER			HYDROCARBON FUEL SCREEN
					ORGANOPHOSPHATE PESTICIDES
					POLYCHLORINATED BIPHENYLS (PCB's)
					POLYNUCLEAR AROMATIC HYDROCARBONS
		SPECIFIC COMPOUNDS			SPECIFIC COMPOUNDS
		-			-

REMARKS:

ANALYTICAL RESULTS

COMPOUND	CONC-ENTRATION	COMPOUND	CONC-ENTRATIC
arom. purg.	N.D. *		
hal. purg.	N.D.		
		* DETECTION LIMIT	ug/L

REMARKS: No purgeables detected. *

CETRIFICATE OF ANALYTICAL PERSONNEL

Seal(s) Intact: Yes (No) . Seal(s) Broken by _____ date _____

I certify that I followed standard laboratory procedures on handling and analysis of this sample unless otherwise noted and that the statements in this block and the analytical data on this page accurately reflect the analytical results for this sample.

Date(s) of analysis 7 May 85 . Analysts signature _____

Icertify that I have reviewed and concur with the analytical results for this sample and with the statements in this block. Reviewers Signature: L Meyerhen

87 0375 C

onmental Improvement Division
h & Environment Department
P.O. Box 968 - Crown Building
Santa Fe, New Mexico 87504-0968
ATTENTION: Longmire
BUREAU: GW/HW

LABORATORY 5/6/85
LAB NUMBER OR375 A,B.

SLD Users Code No.

ALL CONTAINERS WHICH THIS FORM ACCOMPANIES ARE COLLECTIVELY REFERRED TO AS "SAMPLE".

CERTIFICATE OF FIELD PERSONNEL

Sample Type: Water ☑ Soil ☐ Other

Water Supply and/or Code No. Dexter Lewis, POBox 471 Flora Vista 87415

City & County F San Juan

Collected (date & time) 850502 1350 By (name) Longmire

pH= 6.74; Conductivity= 2500 umho/cm at 19.0 °C; Chlorine Residual=

Dissolved Oxygen= mg/l; Alkalinity= ; Flow Rate= ~5gpm

Sampling Location, Methods & Remarks (i.e. odors etc.)

Eh= -80mv

I certify that the statements in this block accurately reflect the results of my field analyses, observations and activities. Signed

I certify that I witnessed these field analyses, observations and activities and concur with the statements in this block. Signed

Method of Shipment to Laboratory

THIS FORM ACCOMPANIES 2 septum vials with teflon-lined discs identified as:
specimen 1; duplicate 1; triplicate ; blank(s) ,
and amber glass jug(s) with teflon-lined cap(s) identified as ,
and other container(s) (describe) identified as .

Containers are marked as follows to indicate preservation (circle):

NP: No preservation; sample stored at room temperature (~20°C).
P-ICE: Sample stored in an ice bath.
P-$Na_2O_3S_2$: Sample preserved with 3 mg $Na_2O_3S_2$/40 ml and stored at room temperature.

CERTIFICATE(S) OF SAMPLE RECEIPT

I (we) certify that this sample was transferred from to

at (location) on

(date & time) and that the statements in this block are correct.

Disposition of Sample . Seal(s) Intact: Yes ☐ No ☐ .

Signature(s)

I (we) certify that this sample was transferred from to

at (location) on

(date & time) and that the statements in this block are correct.

Disposition of Sample . Seal(s) Intact: Yes ☐ No ☐ .

Signature(s)

RECEIVED
JUN 24 1985
LIQUID WASTE/GROUND WATER SURVEILLANCE

ANALYSES REQUESTED LAB. NO. 375

PLEASE CHECK THE APPROPRIATE BOXES BELOW TO INDICATE THE TYPE OF ANALYTICAL SCREENS REQUIRE
WHENEVER POSSIBLE LIST SPECIFIC COMPOUNDS SUSPECTED OR REQUIRED.

QUALITATIVE	QUANTATIVE	PURGEABLE SCREEN	QUALITATIVE	QUANTATIVE	EXTRACTABLES SCREEN
		ALIPHATIC HYDROCARBON SCREEN			ALIPHATIC HYDROCARBONS
		AROMATIC HYDROCARBON SCREEN			CHLORINATED HYDROCARBON PESTICIDES
		HALOGENATED HYDROCARBON SCREEN			CHLOROPHENOXY ACID HERBICIDES
	✓	GAS CHROMATOGRAPH/MASS SPECTROMETER			HYDROCARBON FUEL SCREEN
					ORGANOPHOSPHATE PESTICIDES
					POLYCHLORINATED BIPHENYLS (PCB's)
					POLYNUCLEAR AROMATIC HYDROCARBONS
		SPECIFIC COMPOUNDS			SPECIFIC COMPOUNDS
		-			-

REMARKS:

ANALYTICAL RESULTS

COMPOUND	CONC-ENTRATION	COMPOUND	CONC-ENTRATIO
arom. purg.	N.D.*		
hal. purg.	N.D.		
		* DETECTION LIMIT	1 ug/L

REMARKS: No purgeables detected. *

CETRIFICATE OF ANALYTICAL PERSONNEL

Seal(s) Intact: Yes (No) . Seal(s) Broken by _____ date _____

I certify that I followed standard laboratory procedures on handling and analysis of this sample unless otherwise noted and that the statements in this block and the analytical data on this page accurately reflect the analytical results for this sample.

Date(s) of analysis 7/14/85 . Analysts signature K Tierney

Icertify that I have reviewed and concur with the analytical results for this sample and with the statements in this block. Reviewers Signature: K Meyerhen

REPORT TO: LONGMIRE
Ground Water & Hazardous Waste Bureau
Environmental Improvement Division
Health & Environment Department
P.O. Box 968 - Crown Building
Santa Fe, NM 87504-0968

NN

LAB NUMBER WC-2295
DATE RECEIVED 5/07/85
DATE REPORTED 7/26/85
Initials
SLD USER CODE NUMBER

Well Location Address P.O Box 471, Flora Vista 87415
Point of Collection Front yard spigot
Well Owner/User Dexter Lewis
Number of People Drinking Water from Well

Collected 850502 1250
Date Time
By Longmire EID
Name Agency

Well Depth 160 - 180 FL
Water Level

Eh = -80 mv
pH 6.74
Conductivity (Uncorrected) 2500 umho/cm
Temperature 19.0 °C
Conductivity at 25°C umho/cm

Taste? Odor? Color? Collectors Remarks
used only for bathing

PROJECT: Regional study

From NF, A-H_2SO_4 Sample:

- ☐ Nitrate-N^+ Nitrite-N ____ mg/l ____
- ☐ Ammonia-N ____ mg/l ____
- ☐ ~~Chemical~~ PO4 ____ mg/l ____
  ~~oxygen demand~~
- ☐ TKN ____ mg/l ____

From NF, A-HNO_3 Sample:

- ☐ ICAP Scan
- ☐ Metals by AA (Specify)

From NF, NA Sample:

			Date Analyzed
☑ Calcium	516	mg/l	6/27
☑ Potassium	5.85	mg/l	6.21
☑ Magnesium	19.5	mg/l	6/27
☑ Sodium	241.5	mg/l	6.21
☑ Bicarbonate	127.4	mg/l	7/22
☑ Chloride	39.2	mg/l	7/15
☑ Sulfate	1787	mg/l	6/14
☑ Total Solids	2830	mg/l	7/8
☑ Fluoride	0.34	mg/l	7/16

This form accompanies 1 sample(s) marked as follows to indicate field treatment:

- (NF): Whole sample (no filtration)
- F: Filtered in field with 0.45u membrane filter
- A-H_2SO_4: Acidified with 2 ml conc H_2SO_4/l
- A-HNO_3: Acidified with 5ml conc HNO_3/l
- (NA): No acid added

RECEIVED
AUG 1 1985
LIQUID WASTE/GROUND WATER SURVEILLANCE

REPORT TO: Longmire

Ground Water & Hazardous Waste Bureau
Environmental Improvement Division
Health & Environment Department
P.O. Box 968 - Crown Building
Santa Fe, NM 87504-0968

LAB NUMBER

DATE RECEIVED WC-2282 5/07/85

DATE REPORTED 8/15/85

Initials

SLD USER CODE NUMBER

Well Location Address P.O Box 471, Flora Vista 87415

Point of Collection front yard spigot

Well Owner/User Dexter Lewis

Number of People Drinking Water from Well

Collected 850502 1350 By Longmire EID
Date Time Name Agency

RECEIVED
AUG 26 1985
GROUND WATER/HAZARDOUS WASTE BUREAU

Well Depth 160-180 FL pH Eh = -80 mv 6.74

Water Level

Conductivity (Uncorrected) 2500 umho/cm

Taste? Odor? Color? Collectors Remarks: Temperature 19.0 °C

used only for bathing

Conductivity at 25°C umho/cm

PROJECT: Regional study

From NF, A-H_2SO_4 Sample:

☑ Nitrate-N+ Nitrite-N	0.10 mg/l	5/12
☑ Ammonia-N	0.36 mg/l	5/23
☑ Chemical oxygen demand PO_4	0.01 mg/l	8/15
☑ TKN	0.58 mg/l	7/7

From NF, NA Sample:

			Date Analyzed
☐ Calcium		mg/l	
☐ Potassium		mg/l	
☐ Magnesium		mg/l	
☐ Sodium		mg/l	
☐ Bicarbonate		mg/l	
☐ Chloride		mg/l	
☐ Sulfate		mg/l	
☐ Total Solids		mg/l	
☐ Fluoride		mg/l	

From NF, A-HNO_3 Sample:

☐ ICAP Scan

☐ Metals by AA (Specify)

This form accompanies 1 sample(s) marked as follows to indicate field treatment:

NF: Whole sample (no filtration)
F: Filtered in field with 0.45u membrene filter
A-H_2SO_4: Acidified with 2 ml conc H_2SO_4/l
A-HNO_3: Acidified with 5ml conc HNO_3/l
NA: No acid added

Ground Water & Hazardous Waste Bureau
Environmental Improvement Division
Health & Environment Department
P.O. Box 968 - Crown Building
Santa Fe, NM 87504-0968

DATE RECEIVED HM-855 5/6/85

DATE REPORTED 8/27/85 AAA
Initials

SLD USER CODE NUMBER _____

Well Location Address P.O Box 471, Flora Vista 87415

Point of Collection front yard spigot

Well Owner/User Dexter Lewis

Number of People Drinking Water from Well _____

Collected 850502 1350 (Date / Time)

By Longmire EID (Name / Agency)

Well Depth 160-180 FL

Eh = -80 mv
pH 6.74

Water Level _____

Conductivity (Uncorrected) 2500 umho/cm

Taste? Odor? Color? Collectors Remarks

used only for bathing

Temperature 19.0 °C

Conductivity at 25°C _____ umho/cm

PROJECT: Regional study

From NF, A-H_2SO_4 Sample:

- ☐ Nitrate-N+ Nitrite-N _____ mg/l _____
- ☐ Ammonia-N _____ mg/l _____
- ☐ ~~Chemical oxygen demand~~ PO_4 _____ mg/l _____
- ☐ TKN _____ mg/l _____

From NF, A-HNO_3 Sample:

- ☑ ICAP Scan
- ☑ Metals by AA (Specify) As, Se

From NF, NA Sample:

			Date Analyzed
☐	Calcium	mg/l	
☐	Potassium	mg/l	
☐	Magnesium	mg/l	
☐	Sodium	mg/l	RECEIVED
☐	Bicarbonate	mg/l	
☐	Chloride	mg/l	SEP 6 - 1985
☐	Sulfate	mg/l	
☐	Total Solids	mg/l	LIQUID WASTE/GROUND WATER SURVEILLANCE
☐	Fluoride	mg/l	

This form accompanies 1 sample(s) marked as follows to indicate field treatment:

- (NF): Whole sample (no filtration)
- F: Filtered in field with 0.45u membrane filter
- A-H_2SO_4: Acidified with 2 ml conc H_2SO_4/l
- (A-HNO_3): Acidified with 5ml conc HNO_3/l
- NA: No acid added

ICAP -SCREEN

Lab Number: HM 855

Sample Code: P.O Box 471 Flora Vista

Date Submitted: 5/6/85

Date Reported: 8/27/85

By: Longmire

By: Jim Ashley

Date Analyzed: 7/1/85

Determination	Concentration (µg/ml)
Aluminum	<0.10
Barium	<0.10
Beryllium	<0.10
Boron	0.20
Cadmium	<0.10
Calcium	520.
Chromium	<0.10
Cobalt	<0.10
Copper	<0.10
Iron	
Lead	<0.10
Magnesium	27.
Manganese	0.46
Molybdenum	<0.10
Nickel	<0.10
Silicon	9.3
Silver	<0.10
Strontium	9.8
Tin	<0.10
Vanadium	<0.10
Yttrium	<0.10
Zinc	0.22

ATOMIC ABSORPTION ANALYSES

Determination	Concentration (µg/ml)
Arsenic	<0.005
Selenium	<0.005
Mercury	

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 3/22/85	LAB NO. WC-1210	USER CODE ☐ 59300 ☐ 59600 ☒ OTHER: 82235	
Collection DATE 3/20/85	SITE INFORM-ATION	Sample location: Flora Vista Water Supply well #1	
Collection TIME 1538		Collection site description: Flora Vista Water Users ~~Thus~~ This is contaminated well	
Collected by — Person/Agency			

SEND FINAL REPORT TO ►

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

Attn: David Boyer

Station/ well code

Owner: F.V. W.U.A.

SAMPLING CONDITIONS

☐ Bailed ☒ Pump ☐ Dipped ☐ Tap	Water level: —	Discharge: 7 gls in 2.87 sec	Sample type: Grab
pH (00400): —	Conductivity (Uncorrected): 600 µmho	Water Temp. (00010): 12.5°C °C	Conductivity at 25°C (00094): — µmho

Field comments: Sample from Gas Pump out of open well

SAMPLE FIELD TREATMENT — *Check proper boxes*

No. of samples submitted: 1

☒ **NF:** Whole sample (Non-filtered) ☐ **F:** Filtered in field with 0.45 µmembrane 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)	589	µmho	5/9
☐ Total non-filterable residue (suspended) (00530)		mg/l	
☒ Other: pH	7.58		5/28
☐ Other:			
☐ Other:			

F, NA		Units	Date analyzed
☒ Calcium (00915)	103	mg/l	4/15
☒ Magnesium (00925)	9.4	mg/l	4/15 5.90
☒ Sodium (00930)	29.9	mg/l	3/28
☒ Potassium (00935)	0.39	mg/l	3/28
☒ Bicarbonate (00440)	148.3	mg/l	5/6
☒ Chloride (00940)	17.0	mg/l	4/15
☒ Sulfate (00945)	183.4	mg/l	4/4
☒ Total filterable residue (dissolved) (70300)	365	mg/l	6/15
☒ Other: CO_3	none	mg/l	5/6
☒ Other: Flouride	0.55		4/18

NF, A-H_2SO_4 NA

☐ 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 ( )	1.0	mg/l	6/13
☐ Other:			
☐ Other:			

F, A-H_2SO_4

☐ Nitrate-N +, Nitrate-N dissolved (00631)		mg/l	
☐ Ammonia-N dissolved (00608)		mg/l	
☐ Total Kjeldahl-N ( )		mg/l	
☐ Other:			

Analyst | Date Reported: 7/3/85 | Reviewed by:

Laboratory remarks

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

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: 3 | 22 | 85 — LAB NO. WC-1218 — USER CODE ☐ 59300 ☐ 59600 ☒ OTHER: 82235

Collection DATE: 3/20/85 — Collection TIME: 1538 — Collected by — Person/Agency:

SITE INFORMATION ►

Sample location: Flora Vista Water Supply well #1

Collection site description: Flora Vista Water Users, this is contaminated well

SEND FINAL REPORT TO ►

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

Attn: David Boyer

Station/ well code:

Owner: F.V. W.U.A.

SAMPLING CONDITIONS

☐ Bailed ☒ Pump ☐ Dipped ☐ Tap	Water level: —	Discharge: 7 gts in 2.87 sec	Sample type: Grab
pH (00400): —	Conductivity (Uncorrected): 600 µmho	Water Temp. (00010): 12.5°C °C	Conductivity at 25°C (00094): — µmho

Field comments: Sample from Gas Pump out of open well

SAMPLE FIELD TREATMENT — *Check proper boxes*

No. of samples submitted: 1

☐ **NF:** Whole sample (Non-filtered) ☒ **F:** Filtered in field with 0.45 µmembrane 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)	0.77	mg/l	4/5
☒ Ammonia-N dissolved (00608)	0.14	mg/l	4/22
☒ Total Kjeldahl-N ( )	0.42	mg/l	5/10
☐ Other:			

Analyst: | Date Reported: 5 | 10 | 85 | Reviewed by: Dean

Laboratory remarks:

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

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

HEAVY METALS

~~GENERAL WATER CHEMISTRY and NITROGEN ANALYSIS~~

DATE RECEIVED 3/22/85	LAB NO. HM-456	USER CODE ☐ 59300 ☐ 59600 ☒ OTHER: 82235	
Collection DATE 3/20/85	SITE INFORMATION ►	Sample location Flora Vista Water Supply well #1	
Collection TIME 1538		Collection site description Flora Vista Water Users, this is contaminated well	
Collected by — Person/Agency			

SEND FINAL REPORT TO ►

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

Attn: David Boyer

Station/ well code

Owner F.V. W.U.A.

SAMPLING CONDITIONS

☐ Bailed ☒ Pump ☐ Dipped ☐ Tap	Water level —	Discharge 7 gts in 2.87 sec	Sample type Grab
pH (00400) —	Conductivity (Uncorrected) 600 µmho	Water Temp. (00010) 12.5°C °C	Conductivity at 25°C (00094) — µmho

Field comments Sample from Gas Pump out of open well

SAMPLE FIELD TREATMENT — *Check proper boxes*

No. of samples submitted 1

☐ NF: Whole sample (Non-filtered) ☒ F: Filtered in field with 0.45 µmembrane filter ☐ A: ~~2 ml H_2SO_4/L added~~ 5 ml HNO_3

☐ 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: IGAP SCAN			
☒ Other: As	< .005	mg/l	
☒ Other: Se	< .005	mg/l	

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)		mg/l	
☐ Ammonia-N dissolved (00608)		mg/l	
☐ Total Kjeldahl-N ( )		mg/l	
☐ Other:			

Analyst	Date Reported	Reviewed by
	5 31 85	J. Ashley

Laboratory remarks

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

ICAP -SCREEN

Lab Number: HM 486

Date Submitted: 3/22/84

By: Boyer

Sample Code: Flora Vista Water Supply Well #1

Date Reported: 5/31/85

By: J. Bobby

Determination	Concentration (µg/ml)
Aluminum	<.10
Barium	<.10
Beryllium	<.10
Boron	<.10
Cadmium	<.10
Calcium	110.
Chromium	<.10
Cobalt	<.10
Copper	<.10
Iron	<.10
Lead	<.10
Magnesium	9.1
Manganese	.47
Molybdenum	<.10
Nickel	<.10
Silicon	5.3
Silver	<.10
Strontium	2.7
Tin	<.10
Vanadium	<.10
Yttrium	<.10
Zinc	<.10

ATOMIC ABSORPTION ANALYSES

Arsenic <.005 µg/ml

Selenium <.005 µg/ml

Mercury _____ µg/ml

REPORT TO: David G. Boyer
New Mexico Oil Conservation Division
P. O. Box 2088
Santa Fe, NM 875

85-0259-C

LABORATORY ORG 259 A+B

LAB NUMBER

Priority 2 Report by 3/29

3-22-85

SED Users Code No. 82235

ALL CONTAINERS WHICH THIS FORM ACCOMPANIES ARE COLLECTIVELY REFERRED TO AS "SAMPLE".

CERTIFICATE OF FIELD PERSONNEL

Sample Type: Water ☒ Soil ☐ Other _____ *

Water Supply and/or Code No. Flora Vista Mun Supply, Composite #2 & 3

City & County Flora Vista, San Juan Cty

Collected (date & time) 1626, 3/20/85 By (name) Boyer/Baca

pH= ~ ; Conductivity= 670 umho/cm at 11 °C; Chlorine Residual= ~

Dissolved Oxygen= ~ mg/l; Alkalinity= ~ ; Flow Rate= ~100ppm

Sampling Location, Methods & Remarks (i.e. odors etc.)

Pumphouse spigot, other wells off. No odors

I certify that the statements in this block accurately reflect the results of my field analyses, observations and activities. Signed David G Boyer

I certify that I witnessed these field analyses, observations and activities and concur with the statements in this block. Signed Phillip L. Baca

Method of Shipment to Laboratory Hand carried.

THIS FORM ACCOMPANIES 2 septum vials with teflon-lined discs identified as:

specimen X ; duplicate X ; triplicate _____ ; blank(s) _____,

and _____ amber glass jug(s) with teflon-lined cap(s) identified as _____,

and _____ other container(s) (describe) _____ identified as _____.

Containers are marked as follows to indicate preservation (circle):

NP: No preservation; sample stored at room temperature (~20°C).

P-ICE: Sample stored in an ice bath.

P-$Na_2O_3S_2$: Sample preserved with 3 mg $Na_2O_3S_2$/40 ml and stored at room temperature.

CERTIFICATE(S) OF SAMPLE RECEIPT

I (we) certify that this sample was transferred from _____ to _____ at (location) _____ on (date & time) _____ and that the statements in this block are correct.

Disposition of Sample _____. Seal(s) Intact: Yes ☐ No ☐ .

Signature(s) _____ _____

I (we) certify that this sample was transferred from _____ to _____ at (location) _____ on (date & time) _____ and that the statements in this block are correct.

Disposition of Sample _____. Seal(s) Intact: Yes ☐ No ☐ .

Signature(s) _____ _____

#2 is survey PT #15, Now S #2 AWB
#3 is survey PT #19, Now S #3 1/6/86

ANALYSES REQUESTED

LAB. No.: ORG- 259

PLEASE CHECK THE APPROPRIATE BOXES BELOW TO INDICATE THE TYPE OF ANALYTICAL SCREENS REQUIRED. WHENEVER POSSIBLE LIST SPECIFIC COMPOUNDS SUSPECTED OR REQUIRED.

QUALITATIVE	QUANTITATIVE	PURGEABLE SCREENS	QUALITATIVE	QUANTITATIVE	EXTRACTABLE SCREENS
		ALIPHATIC HYDROCARBON, SCREEN			ALIPHATIC HYDROCARBONS
X	X	AROMATIC HYDROCARBON SCREEN			CHLORINATED HYDROCARBON PESTICIDES
		HALOGENATED HYDROCARBON SCREEN			CHLOROPHENOXY ACID HERBICIDES
		GAS CHROMATOGRAPH/MASS SPECTROMETER			HYDROCARBON FUEL SCREEN
					ORGANOPHOSPHATE PESTICIDES
					POLYCHLORINATED BIPHENYLS (PCB's)
					POLYNUCLEAR AROMATIC HYDROCARBONS
					TRIAZINE HERBICIDES
		SPECIFIC COMPOUNDS			SPECIFIC COMPOUNDS
		Benzene, etc.			

REMARKS:

ANALYTICAL RESULTS

COMPOUND	[PPB]	COMPOUND	[PPB]
aromatic purgeables	none detected		
$CHCl_3$	4 ppb.		
		* DETECTION LIMIT	1 ugm/l

REMARKS: No aromatic purgeables detected.*

CERTIFICATE OF ANALYTICAL PERSONNEL

Seal(s) Intact: Yes ___ NO X. Seal(s) broken by: _____ date: _____

I certify that I followed standard laboratory procedures on handling and analysis of this sample unless otherwise noted and that the statements in this block and the analytical data on this page accurately reflect the analytical results for this sample.

Date(s) of analysis: 3-25-85. Analyst's signature: M Finney

I certify that I have reviewed and concur with the analytical results for this sample and with the statements in this block. Reviewers signature: R Meyerhoff

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: 3 | 22 | 85 — LAB NO. WC-1211 — USER CODE ☐ 59300 ☐ 59600 ☒ OTHER: 82235 *

Collection DATE: 3 | 20 | 85 — Collection TIME: 1626 — Collected by — Person/Agency: Boyer

SITE INFORMATION ►

Sample location: ~~Com~~ Composite Wells #2 & 3

Collection site description: Flora Vista Water Users Assoc

From spigot inside pump house with other wells ON

SEND FINAL REPORT TO ►

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

Attn: David Boyer

Station/ well code

Owner: FVWUA

SAMPLING CONDITIONS

☐ Bailed ☐ Dipped ☒ Pump ☐ Tap	Water level: —	Discharge: ~ 1000 ppm	Sample type: grab
pH (00400): —	Conductivity (Uncorrected): 670 µmho	Water Temp. (00010): 11 °C	Conductivity at 25°C (00094): — µmho

Field comments: Composite of wells #2 & 3 near and to SW of pump house

SAMPLE FIELD TREATMENT — *Check proper boxes*

No. of samples submitted: 1

☒ NF: Whole sample (Non-filtered) ☐ F: Filtered in field with 0.45 µmembrane 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)	544	µmho	7/20
☐ Total non-filterable residue (suspended) (00530)		mg/l	
☒ Other: pH	7.6		5/3
☐ Other:			
☐ Other:			

NF, NA NF		Units	Date analyzed
☒ Calcium (00915)	115	mg/l	4/15
☒ Magnesium (00925)	4.13	mg/l	4/15 6.08
☒ Sodium (00930)	29.9	mg/l	3/28
☒ Potassium (00935)	1.95	mg/l	3/28
☒ Bicarbonate (00440)	161.5	mg/l	5/6
☒ Chloride (00940)	15.8	mg/l	4/15
☒ Sulfate (00945)	178.9	mg/l	4/4
☒ Total filterable residue (dissolved) (70300)	4/5 None	mg/l	5/10 5/6
☒ Other: Flouride	0.49		4/8

~~NF, A-H_2SO_4~~ NA			
☐ 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 ( )	1.7	mg/l	
☐ Other:			
☐ Other:			

F, A-H_2SO_4			
☐ Nitrate-N +, Nitrate-N dissolved (00631)		mg/l	
☐ Ammonia-N dissolved (00608)		mg/l	
☐ Total Kjeldahl-N ( )		mg/l	
☐ Other:			

Analyst | Date Reported: 7 | 20 | 85 | Reviewed by

Laboratory remarks: * #2 is Survey PT #15, Now S #2 A&B
#3 is Survey PT #19, Now S #3 1/6/86

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

New Mexico Health and Environment Department
SCIENTIFIC LABORATORY DIVISION
700 Camino de Salud NE
Albuquerque, NM 87106 — (505) 8[illegible]2555

GENERAL WATER CHEMISTRY and NITROGEN ANALYSIS

DATE RECEIVED 3 22 85	LAB NO. WC-1219	USER CODE ☐ 59300 ☐ 59600 ☒ OTHER: 82235	
Collection DATE 3 20 85	SITE INFORMATION ►	Sample location ~~Com~~ Composite Wells #2 & 3	
Collection TIME 1626		Collection site description Flora Vista Water Users Assoc	
Collected by — Person/Agency Boyer		From spigot inside pump house with other wells PP	

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

Station/ well code

Owner FVWUA

SAMPLING CONDITIONS

☐ Bailed ☐ Dipped ☒ Pump ☐ Tap	Water level —	Discharge ~ 1000 ppm	Sample type grab
pH (00400) —	Conductivity (Uncorrected) 670 µmho	Water Temp. (00010) 11 °C	Conductivity at 25°C (00094) — µmho

Field comments Composite of wells #2 & 3 near and to SW of pump house

SAMPLE FIELD TREATMENT — *Check proper boxes*

No. of samples submitted 1

☐ **NF:** Whole sample (Non-filtered) ☒ **F:** Filtered in field with 0.45 µmembrane 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	Units	Date analyzed
☐ 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		Units	Date analyzed
☒ Nitrate-N +, Nitrate-N dissolved (00631)	0.28	mg/l	4/5
☒ Ammonia-N dissolved (00608)	0.06	mg/l	4/22
☒ Total Kjeldahl-N ( )	0.77	mg/l	5/10
☐ Other:			

Analyst	Date Reported	Reviewed by
	5 10 85	[signature]

Laboratory remarks #2 is Survey PT #15, Now S #2 DWB
#3 is Survey PT #19, Now S #3 1/16/86

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

New Mexico Health and Environment Department
SCIENTIFIC LABORATORY DIVISION
700 Camino de Salud NE
Albuquerque, NM 87106 — (505) 8[illegible]2555

HEAVY METALS

~~GENERAL WATER CHEMISTRY~~ and ~~NITROGEN ANALYSIS~~

DATE RECEIVED 3 22 85	LAB NO. HM-487	USER CODE ☐ 59300 ☐ 59600 ☒ OTHER: 82235	
Collection DATE 3 13 85	SITE INFORM-ATION ►	Sample location ~~Conn~~ Composite Wells #2 & 3	
Collection TIME 1626		Collection site description Flora Vista Water Users Assoc	
Collected by — Person/Agency Boyer		From spigot inside pump house with other wells ON	

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

Station/ well code

Owner FVWUA

SAMPLING CONDITIONS

☐ Bailed ☐ Dipped ☒ Pump ☐ Tap	Water level —	Discharge ~ 1000 gpm	Sample type grab
pH (00400) —	Conductivity (Uncorrected) 670 µmho	Water Temp. (00010) 11 °C	Conductivity at 25°C (00094) — µmho

Field comments Composite of wells #2 & 3 near and to SW of pump house

SAMPLE FIELD TREATMENT — *Check proper boxes*

No. of samples submitted 1 | ☐ NF: Whole sample (Non-filtered) | ☒ F: Filtered in field with 0.45 µmembrane filter | ☒ A: ~~2 ml H_2SO_4/L added~~ 5 ml HNO_3

☐ 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: ICAPSCAN			
☒ Other: As	< .005	mg/l	
☒ Other: Se	< .005	mg/l	

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)		mg/l	
☐ Ammonia-N dissolved (00608)		mg/l	
☐ Total Kjeldahl-N ( )		mg/l	
☐ Other:			

Analyst | Date Reported 5 31 85 | Reviewed by J. Ashley

LABORATORY REMARKS #2 Survey Pt #15
#3 Survey Pt #19

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

ICAP -SCREEN

Lab Number: HM 487

Date Submitted: 3/22/85

By: Boyer

Sample Code: Flora Vista Water System Composite Wells #2+3

Date Reported: 5/31/85

By: J. Ashley

Determination	Concentration (µg/ml)
Aluminum	<.10
Barium	<.10
Beryllium	<.10
Boron	<.10
Cadmium	<.10
Calcium	111.
Chromium	<.10
Cobalt	<.10
Copper	<.10
Iron	<.10
Lead	<.10
Magnesium	9.4
Manganese	.25
Molybdenum	<.10
Nickel	<.10
Silicon	5.4
Silver	<.10
Strontium	2.5
Tin	<.10
Vanadium	<.10
Yttrium	<.10
Zinc	<.10

ATOMIC ABSORPTION ANALYSES

Arsenic <.005 µg/ml

Selenium <.005 µg/ml

Mercury _____ µg/ml

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 3 22 85	LAB NO. WC 1209	USER CODE ☐ 59300 ☐ 59600 ☒ OTHER: 82235	
Collection DATE 3 20 85	SITE INFORMATION ►	Sample location Flora Vista Water Supply Well #5 *	
Collection TIME 1555		Collection site description Sample from spigot in well house with other well shut off	
Collected by — Person/Agency Boyer / OCD			

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

* Survey pt #14, Nov [illegible] 1-6-86 AJB
$5

Station/ well code

Owner FVWUA

SAMPLING CONDITIONS

☐ Bailed ☒ Pump ☐ Dipped ☐ Tap	Water level —	Discharge ~100 gpm	Sample type Grab
pH (00400) —	Conductivity (Uncorrected) 610 µmho	Water Temp. (00010) 11 °C	Conductivity at 25°C (00094) — µmho

Field comments: This is well between contaminated well #1 and pump house

SAMPLE FIELD TREATMENT — *Check proper boxes*

No. of samples submitted: 1

☒ **NF:** Whole sample (Non-filtered) ☐ **F:** Filtered in field with 0.45 µmembrane 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)	642	µmho	5/9
☐ Total non-filterable residue (suspended) (00530)		mg/l	
☒ Other: pH	7.49		5/3
☐ Other:			
☐ Other:			

NF, A-H_2SO_4 — NA			
☐ 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 ( )	3.2	mg/l	6/13
☐ Other:			
☐ Other:			

F NA NF		Units	Date analyzed
☒ Calcium (00915)	114	mg/l	4/15
☒ Magnesium (00925)	5.5	mg/l	4/15 6.13
☒ Sodium (00930)	34.5	mg/l	3/28
☒ Potassium (00935)	5.07	mg/l	3/28
☒ Bicarbonate (00440)	154.1	mg/l	5/6
☒ Chloride (00940)	18.7	mg/l	4/15
☒ Sulfate (00945)	206.1	mg/l	4/4
☒ Total filterable residue (dissolved) (70300)	430	mg/l	6/5
☒ Other: CO_3	none	mg/l	5/6
☒ Other: Fluoride	0.52		4/8

F, A-H_2SO_4			
☐ Nitrate-N +, Nitrate-N dissolved (00631)		mg/l	
☐ Ammonia-N dissolved (00608)		mg/l	
☐ Total Kjeldahl-N ( )		mg/l	
☐ Other:			

Analyst | Date Reported 7 3 85 | Reviewed by

Laboratory remarks

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

New Mexico Health and Environment Department
SCIENTIFIC LABORATORY DIVISION
700 Camino de Salud NE
Albuquerque, NM 87106 — (505) 8[illegible]555

GENERAL WATER CHEMISTRY and NITROGEN ANALYSIS

DATE RECEIVED: 5 | 22 | 85
LAB NO.: 40-1217
USER CODE: ☐ 59300 ☐ 59600 ☒ OTHER: 82235

Collection DATE: 5 | 20 | 85
Collection TIME: 1555
Collected by — Person/Agency: Sergy / OCD

SITE INFORMATION ►
Sample location: Flora Vista Water Supply Well #5 *
Collection site description: Sample from spigot in well house up the other well to shut off

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

* Survey PT #14, now S #5, 1/6/86 DRB

Station/well code:
Owner: FVWUA

SAMPLING CONDITIONS

☐ Bailed ☐ Dipped ☒ Pump ☐ Tap	Water level: —	Discharge: ~100 gpm	Sample type: Grab
pH (00400): —	Conductivity (Uncorrected): 610 µmho	Water Temp. (00010): 11 °C	Conductivity at 25°C (00094): — µmho

Field comments: This is well between contaminated well #1 and pump house

SAMPLE FIELD TREATMENT — *Check proper boxes*

No. of samples submitted: 1
☐ NF: Whole sample (Non-filtered)
☒ F: Filtered in field with 0.45 µmembrane 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)	0.17	mg/l	4/5
☒ Ammonia-N dissolved (00608)	0.10	mg/l	4/22
☒ Total Kjeldahl-N ( )	0.13	mg/l	5/10
☐ Other:			

Analyst | Date Reported: 5 | 10 | 85 | Reviewed by: [signature]

Laboratory remarks:

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

New Mexico Health and Environment Department
SCIENTIFIC LABORATORY DIVISION
700 Camino de Salud NE
Albuquerque, NM 87106 — (505) 8[illegible]555

HEAVY METALS

~~GENERAL WATER CHEMISTRY~~ and ~~NITROGEN ANALYSIS~~

DATE RECEIVED 3 22 85	LAB NO. HM-485	USER CODE ☐ 59300 ☐ 59600 ☒ OTHER: 82235	
Collection DATE 3 20 85	SITE INFORMATION ►	Sample location Flora Vista Water Supply Well #5 *	
Collection TIME 1555		Collection site description Sample from spigot in well house up by other well. Must turn off	
Collected by — Person/Agency Benny/OCD			

SEND FINAL REPORT TO ►
ENVIRONMENTAL BUREAU
NM OIL CONSERVATION DIVISION
State Land Office Bldg, PO Box 2088
Santa Fe, NM 87501

Attn: David Boyer

* Survey PT #14, Now #5, 1/6/86

Station/ well code

Owner FVWUA

SAMPLING CONDITIONS

☐ Bailed ☐ Dipped ☒ Pump ☐ Tap	Water level —	Discharge ~100 gpm	Sample type Grab
pH (00400) —	Conductivity (Uncorrected) 610 µmho	Water Temp. (00010) 11 °C	Conductivity at 25°C (00094) — µmho

Field comments This is well between contaminated well #1 and pump house

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

☐ ~~At 2 ml H_2SO_4/L added~~ 5ml HNO3

☐ **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: ICAP-AN			
☒ Other: As	<.005	mg/l	
☒ Other: Se	<.005	mg/l	

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)		mg/l
☐ Ammonia-N dissolved (00608)		mg/l
☐ Total Kjeldahl-N ( )		mg/l
☐ Other:		

Analyst	Date Reported	Reviewed by
	5 31 85	J. Ashley

Laboratory remarks

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

ICAP SCREEN

Lab Number: HM 485

Date Submitted: 3/22/85

By: Boyer

Sample Code: Flora Vista Water Supply Well #5 * Now S#5

Date Reported: 5/31/85

By: J. Ashby 1/4/86

Determination	Concentration (µg/ml)
Aluminum	<.10
Barium	<.10
Beryllium	<.10
Boron	<.10
Cadmium	<.10
Calcium	112.
Chromium	<.10
Cobalt	<.10
Copper	<.10
Iron	<.10
Lead	<.10
Magnesium	11.
Manganese	.39
Molybdenum	<.10
Nickel	<.10
Silicon	5.9
Silver	<.10
Strontium	2.8
Tin	<.10
Vanadium	<.10
Yttrium	<.10
Zinc	<.10

ATOMIC ABSORPTION ANALYSES

Arsenic <.005 µg/ml

Selenium <.005 µg/ml

Mercury _____ µg/ml

HEALTH ENVIRONMENT department

STATE OF NEW MEXICO

ENVIRONMENTAL IMPROVEMENT DIVISION
P.O. Box 963, Santa Fe, New Mexico 87504-0968
(505) 984-0020
Steve Asher, Director

TONEY ANAYA
GOVERNOR

ROBERT McNEILL
SECRETARY

ROBERT L. LOVATO, M.A.P.A.
DEPUTY SECRETARY

JOSEPH F. JOHNSON
DEPUTY SECRETARY

August 23, 1983

Mr. George Madrid
Lawerance A. Brewer & Associates
P.O. Box 2079
Farmington, NM 87499

RE: Water Analysis of Floravista

Dear Mr. Madrid:

As per our phone conversation of August 18, 1983, I am forwarding you a copy of the water analysis results of the Floravista Well field area.

Sample #1 is from water well #1.

Sample #2 is from the oil-water separator next to the gas well.

Sample #3 is from the glychol dehydrator. SLUDGE

Sample #4 is a sample of water that was in a previously dug open pit. The water level in the pit possibly represents the water table.

Sample #5 is not associated with the Floravista problem.

If you have any questions regarding this matter, please contact me at the above telephone number and addresses.

Sincerely,

Oscar O. Simpson III

Oscar A. Simpson
Water Resource Specialist
Ground Water Section

OAS:egr

Enclosure

(505) 345-8964
7300 Jefferson St. NE
Albuquerque, NM 87109

Analytical and Environmental Services

AnaCon Laboratories

To: Environmental Improvement Division
Ground Water Section
P.O. Box 968
Santa Fe, NM 87504-0968

Date: 10 August 1983
JV- 669

OIL + GAS PRODUCED WATER PIT ANALYSIS 10 mi E of FLORIST AREA

Attention: Oscar Simpson

Analyte	#1 (1-F)	#2 (2-E)	#3(dehydrator)	#4 (4-E)	#5 (5-F)
As	1.56 ppm	3.18 ppm	23.64 ppm	3.13 ppm	9.85 ppm
Cd	<0.002 ppm	<0.002 ppm	0.28 ppm	<0.002 ppm	0.02 ppm
Cr	<0.005 ppm	<0.005 ppm	1.28 ppm	<0.005 ppm	0.06 ppm
Pb	<0.001 ppm	<0.001 ppm	12.64 ppm	0.65 ppm	1.14 ppm
Hg	0.63 ppm	0.12 ppm	5.80 ppm	0.04 ppm	3.18 ppm
Se	<0.002 ppm	<0.002 ppm	1.60 ppm	<0.002 ppm	0.15 ppm
Ba	<0.005 ppm	0.07 ppm	2.08 ppm	0.07 ppm	0.42 ppm
Fe	0.15 ppm	2.92 ppm	19.60 ppm	0.51 ppm	<0.05 ppm
Cu	<0.002 ppm	<0.002 ppm	<0.002 ppm	<0.002 ppm	<0.002 ppm
Mn	0.32 ppm	0.32 ppm	0.64 ppm	2.18 ppm	<0.005 ppm
Mg	20.75 ppm	34.32 ppm	5.32 ppm	34.32 ppm	34.32 ppm
Zn	<0.004 ppm	<0.004 ppm	<0.004 ppm	<0.004 ppm	<0.004 ppm
Al	2.21 ppm	4.38 ppm	<0.05 ppm	1.77 ppm	<0.05 ppm
B	<0.004 ppm	3.63 ppm	<0.004 ppm	<0.004 ppm	16.17 ppm
Co	<0.003 ppm	0.72 ppm	5.00 ppm	<0.003 ppm	<0.003 ppm
Mo	<0.005 ppm	<0.005 ppm	<0.005 ppm	<0.005 ppm	<0.005 ppm
Ni	<0.01 ppm	<0.01 ppm	<0.01 ppm	<0.01 ppm	<0.01 ppm
CN	<0.001 ppm	19.58 ppm	0.058 ppm	0.082 ppm	42.30 ppm
F	6.6 ppm	5.6 ppm	0.33 ppm	2.7 ppm	12.1 ppm
NO_3 as N	0.5 ppm	10.8 ppm	250 ppm	1.5 ppm	80 ppm
SO_4	200 mg/l	1,750 ppm	1,600 ppm	55 ppm	450 ppm
Cl	10.4 ppm	1,164 ppm	310 ppm	3.6 ppm	1,874 ppm
pH	7.3	7.4	6.9	7.8	8.3
TDS	558.0 mg/l	34,454.0 mg/l	NA*	884.0 mg/l	12,300.0 mg/l
Phenols	0.40 ppm	2.0 ppm	0.30 ppm	0.60 ppm	0.35 ppm
Oil& Grease	32.8 ppm	37.1 ppm	NA*	37.5 ppm	54.7 ppm
Benzene	<0.01 ppm	0.18 ppm	13.0 ppm	<0.01 ppm	0.05 ppm
Toluene	<0.01 ppm	<0.01 ppm	13.4 ppm	<0.01 ppm	0.042 ppm
		(some hydrocarbons)	(72 % glycol rest hydro-carbon solvents)		(heavier hydrocarbons present)
TOC	125.07 ppm	171.03 ppm	797.36 ppm	126.93 ppm	640.75 ppm

AnaCor Laboratories
Analytical and Environmental Services
(505) 345-8964
7300 Jefferson St. NE
Albuquerque, NM 87109

Flora Vista MDWCA 100-24

To: Environmental Improvement Division
Ground Water Section
P.O. Box 968
Santa Fe, NM 87504-0968

Date: 10 August 1983
JV- 669
Page 1 of 2

Attention: Oscar Simpson

Analyte	Sample Identification/Analytical Results				
	#1 (1-F) WATER well sample	#2 (2-E) O&W Sep OIL WATER SEPERATOR SAMPLE	#3(dehydrator) GLYCOL DEHYDRATOR SAMPLE	#4 (4-E) GROUND WATER FROM P.I.T NEAR WATER WELL	#5 (5-F) JONES NEAR AZTEC SURFACE DISPOSAL P.I.T
As	1.56 ppm	3.18 ppm	23.64 ppm	3.13 ppm	9.85 ppm
Cd	<0.002 ppm	<0.002 ppm	0.28 ppm	<0.002 ppm	0.02 ppm
Cr	<0.005 ppm	<0.005 ppm	1.28 ppm	<0.005 ppm	0.06 ppm
Pb	<0.001 ppm	<0.001 ppm	12.64 ppm	0.65 ppm	1.14 ppm
Hg	0.63 ppm	0.12 ppm	5.80 ppm	0.04 ppm	3.18 ppm
Se	<0.002 ppm	<0.002 ppm	1.60 ppm	<0.002 ppm	0.15 ppm
Ba	<0.005 ppm	0.07 ppm	2.08 ppm	0.07 ppm	0.42 ppm
Fe	0.15 ppm	2.92 ppm	19.60 ppm	0.51 ppm	<0.05 ppm
Cu	<0.002 ppm	<0.002 ppm	<0.002 ppm	<0.002 ppm	<0.002 ppm
Mn	0.32 ppm	0.32 ppm	0.64 ppm	2.18 ppm	<0.005 ppm
Mg	20.75 ppm	34.32 ppm	5.32 ppm	34.32 ppm	34.32 ppm
Zn	<0.004 ppm	<0.004 ppm	<0.004 ppm	<0.004 ppm	<0.004 ppm
Al	2.21 ppm	4.38 ppm	<0.05 ppm	1.77 ppm	<0.05 ppm
B	<0.004 ppm	3.63 ppm	<0.004 ppm	<0.004 ppm	16.17 ppm
Co	<0.003 ppm	0.72 ppm	5.00 ppm	<0.003 ppm	<0.003 ppm
Mo	<0.005 ppm	<0.005 ppm	<0.005 ppm	<0.005 ppm	<0.005 ppm
Ni	<0.01 ppm	<0.01 ppm	<0.01 ppm	<0.01 ppm	<0.01 ppm
CN	<0.001 ppm	19.58 ppm	0.058 ppm	0.082 ppm	42.30 ppm
F	6.6 ppm	5.6 ppm	0.33 ppm	2.7 ppm	12.1 ppm
NO_3 as N	0.5 ppm	10.8 ppm	250 ppm	1.5 ppm	80 ppm
SO_4	200 mg/l	1,750 ppm	1,600 ppm	55 ppm	450 ppm
Cl	10.4 ppm	1,164 ppm	310 ppm	3.6 ppm	1,874 ppm
pH	7.3	7.4	6.9	7.8	8.3
TDS	558.0 mg/l	34,454.0 mg/l	NA*	884.0 mg/l	12,300.0 mg/l
Phenols	0.40 ppm	2.0 ppm	0.30 ppm	0.60 ppm	0.35 ppm
Oil& Grease	32.8 ppm	37.1 ppm	NA*	37.5 ppm	54.7 ppm
Benzene	<0.01 ppm	0.18 ppm	13.0 ppm	<0.01 ppm	0.05 ppm
Toluene	<0.01 ppm	<0.01 ppm	13.4 ppm	<0.01 ppm	0.042 ppm
		(some hydrocarbons)	(72 % glycol rest hydro-carbon solvents)		(heavier hydrocarbons present)
TOC	125.07 ppm	171.03 ppm	797.36 ppm	126.93 ppm	640.75 ppm

To: Environmental Improvement Division

Normal Detection Limits:

As	0.002 mg/l	Co	0.003 mg/l
Cd	0.002 mg/l	Mo	0.005 mg/l
Cr	0.005 mg/l	Ni	0.01 mg/l
Pb	0.001 mg/l	CN	0.001 mg/l
Hg	0.002 mg/l	F	0.01 mg/l
Se	0.002 mg/l	NO_3 as N	0.01 mg/l
Ba	0.005 mg/l	SO_4	0.01 mg/l
Fe	0.05 mg/l	Cl	0.01 mg/l
Cu	0.002 mg/l	pH	0.01
Mn	0.005 mg/l	TDS	1.0 mg/l
Mg	0.01 mg/l	Phenols	0.01 mg/l
Zn	0.004 mg/l	Oil & Grease	0.01 mg/l
Al	0.05 mg/l	Benzene	0.01 ppm
B	0.004 mg/l	Toluene	0.01 ppm
		TOC	0.1 mg/l

NA*= Not Applicable

Reference:"Standard Methods for the Examination of Water and Wastewater", 15th Edition, APHA, N.Y., 1980.

An invoice for services is enclosed. Thank you for your consideration in contacting AnaCor Laboratories.

Sincerely,

Jennifer V. Smith, Ph.D.
Laboratory Director

Enclosure

Table 23. Flora Vista Area 30N.12W.23 All units are mg/L unless otherwise indicated.

Sampling Station	Contaminated Well	Online
Sampling Date	8/83	6/19/84 (μ
Calcium	--	148./150.
Magnesium	20.75	9.6/11.
Sodium	--	41.4
Potassium	--	0.00
Bicarbonate	--	312.7
Sulfate	200.	187.
Chloride	10.4	20.9
Nitrate-N	0.5	0.05
Ammonia-N	--	0.11
Aluminum	2.21	<0.10
Arsenic	1.56	–
Barium	<0.005	<0.10
Beryllium	--	<0.10
Boron	<0.004	<0.10
Cadmium	<0.002	<0.10
Chromium	<0.005	<0.10
Cobalt	<0.003	<0.10
Copper	<0.002	<0.10
Iron	0.15	<0.10
Lead	<0.001	<0.10
Manganese	0.32	0.45
Mercury	0.63	–
Molybdenum	<0.005	<0.10
Nickel	<0.10	<0.10
Selenium	<0.002	–
Silicon	--	5.9
Silver	--	<0.10
Strontium	--	2.6
Tin	--	<0.10
Vanadium	--	<0.10
Yttrium	--	<0.10
Zinc	--	<0.10
TDS	558.	655.
pH (units)	7.3	7.3
COD	--	4.0
TOC	125.	1.0
Aromatic Purgeables	<0.01	ND (Sampled later in 1984)
Phenols	0.40	
Oil & Grease	32.8	
Collector	OCD	EID
Analyst	Ana Cor	SLD

LAWRENCE A. BREWER & ASSOCIATES, INC.

CONSULTING ENGINEERS

Lawrence A. Brewer, P.E., L.S.
Richard P. Cheney, P.E., L.S.
George T. Walters, L.S.
Robert A. Echols, Jr., P.E.

August 1, 1983

Mr. Oscar Simpson
New Mexico Oil & Gas Commission
P. O. Box 2088
Santa Fe, New Mexico 87501

RE: FLORA VISTA WATER USERS ASSOCIATION WATER WELLS

Dear Mr. Simpson:

In accordance with Mr. Richard Thurstonson's request, we are submitting herewith the following information regarding the above referenced project:

1. One copy each of the lab analysis of various water samples obtained at the Flora Vista well field.

2. A copy of the driller's log of Well No. 3 (logs of Well No. 1 and No. 2 are similar to the driller's log of Well No. 3).

3. One copy each of all correspondence filed in our office since the wells were determined to be contaminated with hydrocarbons.

We hope this information will be helpful.

Sincerely yours,

LAWRENCE A. BREWER & ASSOCIATES, INC.

George A. Madrid

George A. Madrid, E.I.T.

GAM/tlc F-331

cc: Mr. Frank Chavez
Mr. Richard Thurstonson

909 W. APACHE, FARMINGTON, NM 87401
P. O. BOX 2079 ZC 87499 (505) 327-3303

DURANGO, COLORADO 81301
P. O. BOX 3327 (303) 247-5766

F-331

CDS LABORATORIES

A DIVISION OF CASA DEL SOL, INC.
1474 MAIN AVENUE #131
POST OFFICE BOX 2605
DURANGO, COLORADO 81301

(303) 247-4220

Date: 8-1-83

CDS Lab ID #

To: Flora Vista Water User
Attn. Richard Cheyney
909 W. Apache
Farmington, N.M. 87401

Sample Description:

L.A.B. AUG 23 '83

Sample ID	Analyte	* Analytical results
2456 GALLON JUG	C_6-C_{22}	0.70 mg Total Hydrocarbons
2359 OLD PIT	C_6-C_{22}	7.50 mg Total Hydrocarbons
2454 EAST OF PIT	C_6-C_{22}	8.10 mg Total Hydrocarbons
2455 SOUTH OF PIT	C_6-C_{22}	4.00 mg Total Hydrocarbons

* TOTAL HYDROCARBONS IN 350 ML SAMPLE

Normal detection Limit 0.01

CONCENTRATION BASED ON Mg/L

2359	21.43 Mg/L OF H_2O REC'D
2456	1.99 Mg/L " " "
2455	11.41 Mg/L " " "
2454	23.14 Mg/L " " "

SEE AMMENDED REPORT 8/24/83

Dr. Joe Bowden Director

Members of:
AMERICAN ASSOCIATION FOR THE ADVANCEMENT OF SCIENCE
AMERICAN SOCIETY OF BIOLOGICAL CHEMISTS
AMERICAN SCIENTIFIC AFFILIATION
SIGMA XI

CDS LABORATORIES

INTERNAL LAB REPORT

CDS ID# 2456

Date Received: 6/1/83
For: Richard Cheyney

Date Results Sent:
To:

Date Billed:
To:

Sample Info: Where
When
How
Container
Preservative

Invoice #
Amount $
Paid / /

FIELD INFORMATION/DATA

Sample Description: (Gallon Jug)

Date Taken: Time:
Date Received in Lab:
Date Completed:
QA Check:

Alkalinity		mg/L
Conductivity at 25°		umhos/cm
Dissolved Oxygen		mg/L
pH		units
Temperature		°C
Flow		

PHYSICAL PARAMETERS

Acidity		mg/L
Alkalinity		mg/L
Color		
Conductivity at 25°		umhos/cm
Dissolved Oxygen		mg/L
Hardness ($CaCO_3$)		mg/L
pH		units
Specific Gravity		mg/L
Temperature		°C
Total Combustables		mg/L
Total Dissolved Solids		mg/L
Total Solids		mg/L
Total Suspended Solids		mg/L
Turbidity (as FTU)		mg/L

TRACE METALS

Total	Dissolved	mg/L
Aluminum		
Antimony		
Arsenic		
Barium		
Beryllium		
Boron		
Cadmium		
Calcium		
Chromium:		
Total		
+3 Form		
+4 Form		
Cobalt		
Copper		
Iron		
Lead		
Magnesium		
Manganese		
Mercury		
Molybdenum		
Nickel		
Phosphorus		
Potassium		
Selenium		
Silver		
Sodium		
Thallium		
Tin		
Uranium		
Vanadium		
Zinc		

CHEMICAL PARAMETERS mg/L

Bicarbonate	
BOD	
Carbonate	
Carbon Dioxide	
COD	
Chloride	
Chlorine Demand	
Coliform	
Cyanide	
Fluoride	
MBAS	
Nitrogen:	
Ammonia	
Nitrate	
Nitrate/Nitrite	
Nitrite	
Total	
Phenols	
Phosphate	
Silica	
Sulfate	
Sulfide	
Oil & grease	7.1 mg/L
C_6-C_{22}	2 mg/L

RADIOMETRIC ANALYSIS pCi/L

Gross Alpha	
Gross Beta	
Radium 226	
Radium 228	

PESTICIDES pCi/L

HERBICIDES pCi/L

Susan Kay Dickinson
for
Dr. Joe Bowden Director

CDS LABORATORIES

INTERNAL LAB REPORT

LAB JUL 14 '83

CDS ID# 2359 (F-331)

Date Received: 5/25/83 Date Results Sent: _____ Date Billed: _____

For: Richard Cheyney To: _____ To: _____

Attn. George Madrid

Sample Info? Where _____ Invoice # _____

When _____ Container _____ Amount $ _____

How _____ Preservative _____ Paid _____ / /

FIELD INFORMATION/DATA

Sample Description: From backhoe pit dug 5/23/83 in old slush pit

Date Taken: _____ Time: _____

Date Received in Lab: _____

Date Completed: _____

QA Check: _____

Alkalinity		mg/L
Conductivity at 25°		umhos/cm
Dissolved Oxygen		mg/L
pH		units
Temperature		°C
Flow		

PHYSICAL PARAMETERS

Acidity		mg/L
Alkalinity		mg/L
Color		
Conductivity at 25°		umhos/cm
Dissolved Oxygen		mg/L
Hardness ($CaCO_3$)		mg/L
pH		units
Specific Gravity		mg/L
Temperature		°C
Total Combustables		mg/L
Total Dissolved Solids		mg/L
Total Solids		mg/L
Total Suspended Solids		mg/L
Turbidity (as FTU)		mg/L

TRACE METALS

Total	Dissolved	mg/L
Aluminum		
Antimony		
Arsenic		
Barium		
Beryllium		
Boron		
Cadmium		
Calcium		
Chromium:		
Total		
+3 Form		
+4 Form		
Cobalt		
Copper		
Iron		
Lead		
Magnesium		
Manganese		
Mercury		
Molybdenum		
Nickel		
Phosphorus		
Potassium		
Selenium		
Silver		
Sodium		
Thallium		
Tin		
Uranium		
Vanadium		
Zinc		

CHEMICAL PARAMETERS mg/L

Bicarbonate	
BOD	
Carbonate	
Carbon Dioxide	
COD	
Chloride	
Chlorine Demand	
Coliform	
Cyanide	
Fluoride	
MBAS	
Nitrogen:	
Ammonia	
Nitrate	
Nitrate/Nitrite	
Nitrite	
Total	
Phenols	
Phosphate	
Silica	
Sulfate	
Sulfide	

Oil & grease < 3 mg/L

C_6-C_{22} 7.5 mg/L of H_2O

RADIOMETRIC ANALYSIS pCi/L

Gross Alpha	
Gross Beta	
Radium 226	
Radium 228	

PESTICIDES pCi/L

HERBICIDES pCi/L

Oil & grease from filtrate only.

C_6-C_{22} from extracts of filtrate & soil.

Susan Kay Dickinson for

Dr. Joe Bowden Director

CDS LABORATORIES

INTERNAL LAB REPORT

CDS ID# 2454

Date Received: 6/11/83
For: Richard Cheyney

Date Results Sent:
To:

Date Billed:
To:

Sample Info: Where
When
How
Container
Preservative

Invoice #
Amount $
Paid / /

FIELD INFORMATION/DATA

Sample Description: East of Dehydrator pit Flora Vista
Date Taken: Time:
Date Received in Lab:
Date Completed:
QA Check:

Alkalinity		mg/L
Conductivity at 25°		umhos/cm
Dissolved Oxygen		mg/L
pH		units
Temperature		°C
Flow		

PHYSICAL PARAMETERS

Acidity		mg/L
Alkalinity		mg/L
Color		
Conductivity at 25°		umhos/cm
Dissolved Oxygen		mg/L
Hardness ($CaCO_3$)		mg/L
pH		units
Specific Gravity		mg/L
Temperature		°C
Total Combustables		mg/L
Total Dissolved Solids		mg/L
Total Solids		mg/L
Total Suspended Solids		mg/L
Turbidity (as FTU)		mg/L

TRACE METALS

Total	Dissolved	mg/L
Aluminum		
Antimony		
Arsenic		
Barium		
Beryllium		
Boron		
Cadmium		
Calcium		
Chromium:		
Total		
+3 Form		
+4 Form		
Cobalt		
Copper		
Iron		
Lead		
Magnesium		
Manganese		
Mercury		
Molybdenum		
Nickel		
Phosphorus		
Potassium		
Selenium		
Silver		
Sodium		
Thallium		
Tin		
Uranium		
Vanadium		
Zinc		

CHEMICAL PARAMETERS

	mg/L
Bicarbonate	
BOD	
Carbonate	
Carbon Dioxide	
COD	
Chloride	
Chlorine Demand	
Coliform	
Cyanide	
Fluoride	
MBAS	
Nitrogen:	
Ammonia	
Nitrate	
Nitrate/Nitrite	
Nitrite	
Total	
Phenols	
Phosphate	
Silica	
Sulfate	
Sulfide	
Oil & grease	40 mg/L
C_6-C_{22}	23. mg/L

RADIOMETRIC ANALYSIS

	pCi/L
Gross Alpha	
Gross Beta	
Radium 226	
Radium 228	

PESTICIDES

	pCi/L

HERBICIDES

	pCi/L

Susan Kay Dickinson

Dr. Joe Bowden Director

CDS LABORATORIES

INTERNAL LAB REPORT

CDS ID# 2455

Date Received: 6/1/83
For: Richard Cheyney

Date Results Sent:
To:

Date Billed:
To:

Sample Info: Where
When
How
Container
Preservative

Invoice #
Amount $
Paid / /

FIELD INFORMATION/DATA

Sample Description: South of Dehydrator pit
Flora Vista
Date Taken: Time:
Date Received in Lab:
Date Completed:
QA Check:

Alkalinity		mg/L
Conductivity at 25°		umhos/cm
Dissolved Oxygen		mg/L
pH		units
Temperature		°C
Flow		

PHYSICAL PARAMETERS

Acidity		mg/L
Alkalinity		mg/L
Color		
Conductivity at 25°		umhos/cm
Dissolved Oxygen		mg/L
Hardness ($CaCO_3$)		mg/L
pH		units
Specific Gravity		mg/L
Temperature		°C
Total Combustables		mg/L
Total Dissolved Solids		mg/L
Total Solids		mg/L
Total Suspended Solids		mg/L
Turbidity (as FTU)		mg/L

TRACE METALS

Total	Dissolved	mg/L
Aluminum		
Antimony		
Arsenic		
Barium		
Beryllium		
Boron		
Cadmium		
Calcium		
Chromium:		
Total		
+3 Form		
+4 Form		
Cobalt		
Copper		
Iron		
Lead		
Magnesium		
Manganese		
Mercury		
Molybdenum		
Nickel		
Phosphorus		
Potassium		
Selenium		
Silver		
Sodium		
Thallium		
Tin		
Uranium		
Vanadium		
Zinc		

CHEMICAL PARAMETERS

	mg/L
Bicarbonate	
BOD	
Carbonate	
Carbon Dioxide	
COD	
Chloride	
Chlorine Demand	
Coliform	
Cyanide	
Fluoride	
MBAS	
Nitrogen:	
Ammonia	
Nitrate	
Nitrate/Nitrite	
Nitrite	
Total	
Phenols	
Phosphate	
Silica	
Sulfate	
Sulfide	

Oil & grease < 3 mg/L
C_6-C_{22} 11.4

RADIOMETRIC ANALYSIS

	pCi/L
Gross Alpha	
Gross Beta	
Radium 226	
Radium 228	

PESTICIDES

	pCi/L

HERBICIDES

	pCi/L

Susan Kay Dickinson for
Dr. Joe Bowden Director

F-331

CDS LABORATORIES

A DIVISION OF CASA DEL SOL, INC.
1474 Main Avenue #131
Post Office Box 2605
Durango, Colorado 81301

Flora Vista
Richard Cheney

(303) 247-4220
JESUS

CDS ID # 2113

FIELD INFORMATION/DATA

Sample Description: well #1

Date Taken: _____ Time: _____
Date Received in Lab: _____
Date Completed: _____
QA Check: _____

Alkalinity		mg/L
Conductivity at 25°		umhos/cm
Dissolved Oxygen		mg/L
pH		units
Temperature		°C
Flow		

PHYSICAL PARAMETERS

Acidity		mg/L
Alkalinity		mg/L
Color		
Conductivity at 25°		umhos/cm
Dissolved Oxygen		mg/L
Hardness ($CaCO_3$)	376	mg/L
pH		units
Specific Gravity		mg/L
Temperature		°C
Total Combustables		mg/L
Total Dissolved Solids		mg/L
Total Solids		mg/L
Total Suspended Solids		mg/L
Turbidity (as FTU)		mg/L

TRACE METALS

Total	Dissolved	mg/L
Aluminum		
Antimony		
Arsenic		
Barium		
Beryllium		
Boron		
Cadmium		
Calcium		
Chromium:		
Total		
+3 Form		
+4 Form		
Cobalt		
Copper		
Iron	0.2	
Lead		
Magnesium		
Manganese	0.57	
Mercury		
Molybdenum		
Nickel		
Phosphorus		
Potassium		
Selenium		
Silver		
Sodium		
Thallium		
Tin		
Uranium		
Vanadium		
Zinc		

CHEMICAL PARAMETERS

	mg/L
Bicarbonate	
BOD	
Carbonate	
Carbon Dioxide	
COD	
Chloride	
Chlorine Demand	
Coliform	
Cyanide	
Fluoride	
MBAS	
Nitrogen:	
Ammonia	
Nitrate	
Nitrate/Nitrite	
Nitrite	
Total	
Phenols	
Phosphate	
Silica	
Sulfate	180
Sulfide	

RADIOMETRIC ANALYSIS

	pCi/L
Gross Alpha	
Gross Beta	
Radium 226	
Radium 228	

PESTICIDES

	pCi/L

HERBICIDES

	pCi/L

Dr. Joe Bowden Director

F- 331

CDS LABORATORIES

A DIVISION OF CASA DEL SOL, INC.
1474 Main Avenue #131
Post Office Box 2605
Durango, Colorado 81301

Flora Vista
Richard Cheney

(303) 247-4220
JESUS

CDS ID # 2112

FIELD INFORMATION/DATA

Sample Description: Well #2

Date Taken: _____ Time: _____
Date Received in Lab: _____
Date Completed: _____
QA Check: _____

Alkalinity		mg/L
Conductivity at 25°		umhos/cm
Dissolved Oxygen		mg/L
pH		units
Temperature		°C
Flow		

PHYSICAL PARAMETERS

Acidity		mg/L
Alkalinity		mg/L
Color		
Conductivity at 25°		umhos/cm
Dissolved Oxygen		mg/L
Hardness ($CaCO_3$)	428	mg/L
pH		units
Specific Gravity		mg/L
Temperature		°C
Total Combustables		mg/L
Total Dissolved Solids		mg/L
Total Solids		mg/L
Total Suspended Solids		mg/L
Turbidity (as FTU)		mg/L

TRACE METALS

Total Dissolved	mg/L
Aluminum	
Antimony	
Arsenic	
Barium	
Beryllium	
Boron	
Cadmium	
Calcium	
Chromium:	
Total	
+3 Form	
+4 Form	
Cobalt	
Copper	
Iron	0.3
Lead	
Magnesium	
Manganese	0.7
Mercury	
Molybdenum	
Nickel	
Phosphorus	
Potassium	
Selenium	
Silver	
Sodium	
Thallium	
Tin	
Uranium	
Vanadium	
Zinc	

CHEMICAL PARAMETERS

	mg/L
Bicarbonate	
BOD	
Carbonate	
Carbon Dioxide	
COD	
Chloride	
Chlorine Demand	
Coliform	
Cyanide	
Fluoride	
MBAS	
Nitrogen:	
Ammonia	
Nitrate	
Nitrate/Nitrite	
Nitrite	
Total	
Phenols	
Phosphate	
Silica	
Sulfate	210
Sulfide	

RADIOMETRIC ANALYSIS

	pCi/L
Gross Alpha	
Gross Beta	
Radium 226	
Radium 228	

PESTICIDES

	pCi/L

HERBICIDES

	pCi/L

Dr. Joe Bowden Director

L.A.B. MAR 15 '83
F- 1552
331

CDS Laboratories
1474 Main Avenue #131
Durango CO 81301

To: Flora Vista Water User, Richard Cheyney
c/o Lawrence A. Brewer & Assoc. Inc.
909 W. Apache
Farmington, NM 87401

Date: 3/9/83
CDS Sample # 1957

Date Received in Lab: 2/25/83

CHEMICAL PARAMETERS

Oil & Grease	
Precipitate	11 mg/L
Filtrate	6 mg/L
TOTAL	17 mg/L

By: Joe Bowden

Dr. Joe Bowden PhD Director

F-152

AnaChem, Inc.
2420 ALAMO SE • ALBUQUERQUE, NEW MEXICO 87106
(505) 247-8817

To: L. A. Brewer & Associates
909 W. Apache
Farmington, NM 87401

Date: Oct. 8, 1981
AL No.: 81-2734

Attn: George Madrid

SAMPLE IDENTIFICATION	ANALYTICAL RESULTS	
Precipitate	MnO_2	11.4% w/w*
	Fe_2O_3	0.9% w/w
Supernate	Mn	0.02ppm

* Results expressed on a weight of analyte per dry weight of precipitate basis.

Thank you for your consideration in contacting AnaChem, Inc.

J. Dirk Nies

J. Dirk Nies, Ph.D.
Laboratory Director

JDN:tp

AnaChem, Inc.
2420 ALAMO SE • ALBUQUERQUE, NEW MEXICO 87106
(505) 247-8817

To: L. A. Brewer & Associates
909 W. Apache
Farmington, NM 87401

Date: Oct. 9, 1981
AL No.: 81-2735

Attn: George Madrid

SAMPLE IDENTIFICATION

ANALYTE	WELL SITE	TANK SITE
Mn	0.75 ppm	0.03 ppm
Na	36.0 ppm	34.8 ppm
K	1.8 ppm	1.9 ppm
Mg	10.4 ppm	10.2 ppm
Ca	141 ppm	139 ppm
Fe	<0.02 ppm	<0.02 ppm
Cl^-	3.6 ppm	2.8 ppm
F^-	0.6 ppm	0.6 ppm
NO_3^-	0.5 ppm	1.5 ppm
$SO_4^=$	29.5 ppm	30.0 ppm
HCO_3^-	226 ppm as $CaCO_3$	212 ppm as $CaCO_3$
TDS	560 ppm	570 ppm
pH	7.43	7.47
Hardness	395 ppm as $CaCO_3$	361 ppm as $CaCO_3$
Soluble SiO_2	15.0 ppm	15.0 ppm

Thank you for your consideration in contacting AnaChem, Inc.

J. Dirk Nies

J. Dirk Nies, Ph.D.
Laboratory Director

JDN:tp

AnaChem, Inc.
2420 ALAMO SE • ALBUQUERQUE, NEW MEXICO 87106
(505) 247-8817

OCT 14 1981

To: L. A. Brewer & Associates
909 W. Apache
Farmington, NM 87401

Date: Oct. 9, 1981
AL No.: 81-2739

Attn: George Madrid

ORDERED: DOMESTIC STANDARD & MN

SAMPLE IDENTIFICATION

ANALYTE	EAST WELL	WEST WELL
✓Mn	0.73 ppm	0.82 ppm
✓Na	35.9 ppm	37.4 ppm
(K)	1.7 ppm	2.0 ppm
✓Mg	10.3 ppm	10.4 ppm
✓Ca	134 ppm	136 ppm
✓Cl^-	1.6 ppm	2.2 ppm
✓F^-	0.7 ppm	0.6 ppm
✓NO_3^-	0.2 ppm	0.8 ppm
✓$SO_4^=$	32.5 ppm	40.0 ppm
✓HCO_3^-	146 ppm as $CaCO_3$	175 ppm as $CaCO_3$
(TDS)	530 ppm	570 ppm
✓pH	8.16	8.49
✓Hardness (Ca,Mg)	358 ppm as $CaCO_3$	382 ppm as $CaCO_3$

CARBONATE

Thank you for your consideration in contacting AnaChem, Inc.

J. Dirk Nies

J. Dirk Nies, Ph.D.
Laboratory Director

JDN:tp

Waiting for a better Water [illegible] applied on mine.

F-152

AnaChem, Inc.

2420 ALAMO SE • ALBUQUERQUE, NEW MEXICO 87106
(505) 247-8817

OCT 14 1981

To: L. A. Brewer & Associates
909 W. Apache
Farmington, NM 87401

Date: Oct. 8, 1981
AL No.: 81-2744

Attn: George Madrid

SAMPLE IDENTIFICATION: Flora Vista Well #3

ANALYTICAL RESULTS

Mn	1.39 ppm
Na	34.0 ppm
K	1.7 ppm
Mg	10.0 ppm
Ca	121 ppm
Cl^-	1.6 ppm
F^-	0.7 ppm
NO_3^-	0.6 ppm
$SO_4^=$	32.5 ppm
HCO_3^-	164 ppm
TDS	400 ppm
pH	8.08
Hardness (Ca,Mg)	343 ppm as $CaCO_3$

Thank you for your consideration in contacting AnaChem, Inc.

J. Dirk Nies

J. Dirk Nies, Ph.D.
Laboratory Director

JDN:tp

TECH, Inc.
333 East Main
Farmington, NM 87401

MICROBIOLOGICAL WATER REPORT

No. 4-141-2 Page 2 of 2

Date Received 08/22/83 | Time Received 1730

SAMPLE IDENTIFICATION

SLD User Code No.:

County: San Juan

Water Supply System Name: Flora Vista Water Users

WSS Code No.:

COLLECTION INFORMATION

Date Collected Mo Day Year: 08/22/83

Time Collected: 1600

Collected By: Geroge Madrid

Collection Point: Well #2

TYPE OF SYSTEM

Check One:

- ☐ Public Non-Community
- ☒ Public Community
- ☐ Private Well
- ☐ Swimming Pool

Disinfected? ☐ Yes ☐ No

Residual _____ mg/L

REASON FOR SAMPLING

Check One

- ☐ Routine Sample
- ☒ Special Sample
- ☐ Check Sample
- ☐ Monitoring Sample

TESTING REQUIRED

Check One:

- ☐ Potability Sample required for the Safe Drinking Water Act
- ☒ ~~Fecal~~ Coliform
- ☐ Other _____

Send Report to the following (Name and Address)

L.A. BREWER & ASSOCIATES
P.O. Box 2079
Farmington, NM 87499

Attn: George Madrid

LABORATORY TEST RESULTS

		Type of Test
Total	Coliform 0/ per 100 ml	MF
Confirmed	_____ positive tubes	MPN
Total	_____ per 100 ml	MPN
Fecal	_____ per 100 ml	MF
Fecal	_____ per 100 ml	MPN
Noncoliforms	TNTC per 100 ml	MF

Other _____

UNSATISFACTORY SAMPLE

- ☐ Excessive noncoliforms present. Resample—request MPN method.
- ☐ Sample too old. Not received within 30 hours of collection.
- ☐ Temperature violation (above 10°C)
- ☐ Form incomplete. See circled item.
- ☐ Date discrepancy.
- ☐ Leaking sample
- ☐ Quantity insufficient for testing.
- ☐ Quantity too great to permit agitation.
- ☐ Other _____

PUBLIC SYSTEMS ONLY

- ☐ This sample complies with the Safe Drinking Water Act.
- ☐ This sample does not comply with the Safe Drinking Water Act. Notify local environmentalist.

Analyst N Oglethorpe DSS
Nicole Oglethorpe

Date reported September 14,1983

Water Analysis Report

333 East Main
Farmington
New Mexico
87401
505/327-3311

DATE: September 01, 1983

PAGE: 1 of 2

LABORATORY No. 4-141-2

Service to: L.A. BREWER & ASSOCIATES
Address: P.O. Box 2079
Farmington, NM 87499

Attention: George Madrid
Sample from: Flora Vista Water Users
Well #2 SW OF P.S.

Type of Sample: (X)Grab ( )Composite **Preserved:** (X)Yes ( )No
Date Collected: 08/22/83 **Time:** 1600

Collected by: George Madrid
Date Received: 08/22/83 **Time:** 1730
Delivered by: George Madird
Received by: Stan Lueck
Comments: Analyst AL refers to ANACOR Labs, Albuquerque, NM
Analyst EI refers to Eberline Instruments, Albuquerque, NM

Parameter	Conc.[1]	lbs per day	Date Begun	Date Completed	Analyst	QA[2]	Ref[3]
Acidity ($CaCO_3$)							
Alk. ($CaCO_3$)							
Bicarbonate							
Carbonate							
Hydroxide							
BOD_5							
Chloride							
Chlorine (Free)							
COD							
Conductivity	uΩ						
Cyanide (Free)							
Flow	MGD						
Fluoride	1.42		8/23	8/23	NO		1
Hardness($CaCO_3$)							
Nitrogen, Total							
Nitrate (N)	0.60		8/23	8/23	NO		1
Ammonia							
Oil and Grease							
Oxygen, Diss.							
pH	units						
Phenols							
Phosphate,Ortho							
Solids, Total							
Dissolved							
Suspended							
Settleable	ml/l						
Sulfur, Sulfate							
Sulfide							
Temperature	°C						
TOC							
Turbidity	FTU						

Parameter	Conc.[1]	lbs per day	Date Begun	Date Completed	Analyst	QA[2]	Ref[3]
Arsenic	0.02		unk	9/07	AL		1
Barium	<0.005		unk	9/07	AL		1
Cadmium	<0.002		unk	9/07	AL		1
Calcium							
Chromium, Hex							
Total	<0.005		unk	9/07	AL		1
Iron, Dissolved							
Total							
Lead	<0.001		unk	9/07	AL		1
Magnesium							
Manganese							
Mercury	<0.002		unk	9/07	AL		1
Molybdenum							
Potassium							
Selenium	<0.002		unk	9/07	AL		1
Silver	<0.003		unk	9/07	AL		1
Sodium							
Strontium							
Zinc							
Gross Alpha	0±5 pci/l		unk	9/02	EI		
Beta	0±5 pci/l		unk	9/02	EI		

Laboratory Chemist Nicole Oglethorpe

Senior Chemist Stan Lueck

[1]Unless otherwise stated, all data is reported in units of mg/l or ppm.
[2]Indicates if routine quality assurance check was performed on parameter. D=duplicate; S=spike.
[3]See attached list of methodology references.
[4]Indicates field measurements.

METHODOLOGY REFERENCES

1. Standard Methods for the Examination of Water and Wastewater, APHA-AWWA-WPCF, 15th Edition, 1980.

2. Methods for Chemical Analysis of Water and Wastes, United States Environmental Protection Agency, EPA-600/4-79-020, March 1979.

3. Annual Book of ASTM Standards, Part 31, Water, 1979.

4. API Recommended Practice for Analysis of Oil-Field Waters, American Petroleum Institute, July 1981.

TECH

TECH, Inc.
333 East Main
Farmington, NM 87401

MICROBIOLOGICAL WATER REPORT

La. No. 4-141-1 Page 2 of 2

Date Received: 08/22/83 | Time Received: 1400

SAMPLE IDENTIFICATION

SLD User Code No:

County: San Juan

Water Supply System Name: Flora Vista Water Users

WSS Code No.:

COLLECTION INFORMATION

Date Collected Mo Day Year	Time Collected	Collected By
08/22/83	1300	Geroge Madrid

Collection Point: Well #4

TYPE OF SYSTEM

Check One:

- ☐ Public Non-Community
- ☒ Public Community
- ☐ Private Well
- ☐ Swimming Pool

Disinfected? ☐ Yes ☐ No

Residual _____ mg/L

REASON FOR SAMPLING

Check One

- ☐ Routine Sample
- ☒ Special Sample
- ☐ Check Sample
- ☐ Monitoring Sample

TESTING REQUIRED

Check One

- ☐ Potability Sample required for the Safe Drinking Water Act
- ☒ ~~XXX~~ Coliform
- ☐ Other _____

LABORATORY TEST RESULTS

		Type of Test
Total	Coliform 0/ per 100 ml	MF
Confirmed	positive tubes	MPN
Total	per 100 ml	MPN
Fecal	per 100 ml	MF
Fecal	per 100 ml	MPN
Noncoliforms	TNTC per 100 ml	MF
Other		

UNSATISFACTORY SAMPLE

- ☐ Excessive noncoliforms present. Resample—request MPN method.
- ☐ Sample too old. Not received within 30 hours of collection.
- ☐ Temperature violation (above 10°C)
- ☐ Form incomplete. See circled item.
- ☐ Date discrepancy.
- ☐ Leaking sample
- ☐ Quantity insufficient for testing.
- ☐ Quantity too great to permit agitation.
- ☐ Other _____

PUBLIC SYSTEMS ONLY

- ☐ This sample complies with the Safe Drinking Water Act.
- ☐ This sample does not comply with the Safe Drinking Water Act. Notify local environmentalist

Analyst Nicole Oglethorpe

Date reported September 14, 1983

Send Report to the following (Name and Address)

L.A. BREWER & ASSOCIATES
P.O. BOX 2079
Farmington, NM 87499

Attn: George Madrid

TEECH, Inc.
333 East Main
Farmington
New Mexico
87401
505/327-3311

TEECH

L.A.B. SEP 16 '83

Water Analysis Report

F-221

LABORATORY No. 4-141-1

DATE: September 01, 1983

PAGE: 1 of 2

Service to: L.A. BREWER & ASSOCIATES
Address: P.O. Box 2079
Farmington, NM 87499
Attention: George Madrid
Sample from: Flora Vista Water Users
Well #4 (@ RIVERBEND BY CAR BODIES)

Collected by: George Madrid
Date Received: 08/22/83 **Time:** 1400
Delivered by: George Madird
Received by: Stan Lueck
Comments: Analyst AL refers to ANACOR Labs, Albuquerque, NM
Analyst EI refers to Eberline Instruments, Albuquerque, NM

Type of Sample: (xx)Grab ( )Composite **Preserved:** (x)Yes ( )No
Date Collected: 08/22/83 **Time:** 1300

Parameter	Conc.[1]	lbs per day	Date Begun	Date Completed	Analyst	QA[2]	Ref[3]
Acidity ($CaCO_3$)							
Alk. ($CaCO_3$)							
Bicarbonate							
Carbonate							
Hydroxide							
BOD_5							
Chloride							
Chlorine (Free)							
COD							
Conductivity	uΩ						
Cyanide (Free)							
Flow	MGD						
Fluoride	1.42		8/23	8/23	NO		1
Hardness($CaCO_3$)							
Nitrogen, Total							
Nitrate (N)	0.90		8/23	8/23	NO		1
Ammonia							
Oil and Grease							
Oxygen, Diss.							
pH	units						
Phenols							
Phosphate,Ortho							
Solids, Total							
Dissolved							
Suspended							
Settleable	ml/l						
Sulfur, Sulfate							
Sulfide							
Temperature	°C						
TOC							
Turbidity	FTU						

Parameter	Conc.[1]	lbs per day	Date Begun	Date Completed	Analyst	QA[2]	Ref[3]
Arsenic	<0.002		unk	9/07	AL		1
Barium	<0.005		unk	9/07	AL		1
Cadmium	<0.002		unk	9/07	AL		1
Calcium							
Chromium, Hex							
Total	<0.005		unk	9/07	AL		1
Iron, Dissolved							
Total							
Lead	<0.001		unk	9/07	AL		1
Magnesium							
Manganese							
Mercury	<0.002		unk	9/07	AL		1
Molybdenum							
Potassium							
Selenium	<0.002		unk	9/07	AL		1
Silver	<0.003		unk	9/07	AL		1
Sodium							
Strontium							
Zinc							
Gross Alpha 0±5 pci/l			unk	9/02	EI		
Beta 0±5 pci/l			unk	9/02	EI		

Laboratory Chemist Nicole Oglethopre

Senior Chemist Stan Lueck

[1]Unless otherwise stated, all data is reported in units of mg/l or ppm.
[2]Indicates if routine quality assurance check was performed on parameter. D=duplicate; S=spike.
[3]See attached list of methodology references.
[4]Indicates field measurements.

METHODOLOGY REFERENCES

1. Standard Methods for the Examination of Water and Wastewater, APHA-AWWA-WPCF, 15th Edition, 1980.

2. Methods for Chemical Analysis of Water and Wastes, United States Environmental Protection Agency, EPA-600/4-79-020, March 1979.

3. Annual Book of ASTM Standards, Part 31, Water, 1979.

4. API Recommended Practice for Analysis of Oil-Field Waters, American Petroleum Institute, July 1981.

TECH

Water Analysis Report

300 East Main
Farmington
New Mexico
87401
505/327-3311

DATE: September 1, 1983

PAGE: 1 of 2

LABORATORY No. 4-141-3

Service to: L.A. BREWER & ASSOCIATES
Address: P.O. Box 2079
Farmington, NM 87499
Attention: George Madrid
Sample from: Flora Vista Water Users
Well #3 (WEST MOST WELL - NEW WELL)
Type of Sample: (X)Grab ( )Composite **Preserved:** (X)Yes ( )No
Date Collected: 08/22/83 **Time:** 1630

Collected by: George Madrid
Date Received: 08/22/83 **Time:** 1730
Delivered by: George Madrid
Received by: Stan Lueck
Comments: Analyst AL refers to ANACOR Labs, Albuquerque, NM
Analyst EI refers to Eberline Instrument, Albuquerque, NM

Parameter	Conc.[1]	lbs per day	Date Begun	Date Completed	Analyst	QA[2]	Ref[3]
Acidity ($CaCO_3$)							
Alk. ($CaCO_3$)							
Bicarbonate							
Carbonate							
Hydroxide							
BOD_5							
Chloride							
Chlorine (Free)							
COD							
Conductivity	uΩ						
Cyanide (Free)							
Flow	MGD						
Fluoride	1.33		8/23	8/23	NO		1
Hardness($CaCO_3$)							
Nitrogen, Total							
Nitrate (N)	0.75		8/23	8/23	NO		1
Ammonia							
Oil and Grease							
Oxygen, Diss.							
pH	units						
Phenols							
Phosphate,Ortho							
Solids, Total							
Dissolved							
Suspended							
Settleable	ml/l						
Sulfur, Sulfate							
Sulfide							
Temperature	°C						
TOC							
Turbidity	FTU						

Parameter	Conc.[1]	lbs per day	Date Begun	Date Completed	Analyst	QA[2]	Ref[3]
Arsenic	0.09		unk	9/07	AL		1
Barium	0.06		unk	9/07	AL		1
Cadmium	<0.002		unk	9/07	AL		1
Calcium							
Chromium, Hex							
Total	0.05		unk	9/07	AL		1
Iron, Dissolved							
Total							
Lead	0.25		unk	9/07	AL		1
Magnesium							
Manganese							
Mercury	<0.002		unk	9/07	AL		1
Molybdenum							
Potassium							
Selenium	<0.002		unk	9/07	AL		1
Silver	1.20		unk	9/07	AL		1
Sodium							
Strontium							
Zinc							
Gross Alpha	0±5 pci/l		unk	9/02	EI		
Beta	0±5 pci/l		unk	9/02	EI		

Laboratory Chemist Nicole Oglethorpe

Senior Chemist Stan Lueck

[1]Unless otherwise stated, all data is reported in units of mg/l or ppm.
[2]Indicates if routine quality assurance check was performed on parameter. D=duplicate; S=spike.
[3]See attached list of methodology references.
[4]Indicates field measurements.

METHODOLOGY REFERENCES

1. Standard Methods for the Examination of Water and Wastewater, APHA-AWWA-WPCF, 15th Edition, 1980.

2. Methods for Chemical Analysis of Water and Wastes, United States Environmental Protection Agency, EPA-600/4-79-020, March 1979.

3. Annual Book of ASTM Standards, Part 31, Water, 1979.

4. API Recommended Practice for Analysis of Oil-Field Waters, American Petroleum Institute, July 1981.

TECH

TECH, Inc.
333 East Main
Farmington, NM 87401

MICROBIOLOGICAL WATER REPORT

La: 4-141-3

Date Received	Time Received
08/22/83	1730

SAMPLE IDENTIFICATION

SLD User Code No.

County: San Juan

Water Supply System Name: Flora Vista Water Users

WSS Code No.

COLLECTION INFORMATION

Date Collected Mo Day Year	Time Collected	Collected By
08/22/83	1630	George Madrid

Collection Point: Well #3

TYPE OF SYSTEM

Check One:

- ☐ Public Non-Community
- ☒ Public Community
- ☐ Private Well
- ☐ Swimming Pool

Disinfected? ☐ Yes ☐ No

Residual _____ mg/L

REASON FOR SAMPLING

Check One

- ☐ Routine Sample
- ☒ Special Sample
- ☐ Check Sample
- ☐ Monitoring Sample

TESTING REQUIRED

Check One

- ☐ Potability - Sample required for the Safe Drinking Water Act
- ☒ ~~Fecal~~ XXX - Coliform
- ☐ Other _____

LABORATORY TEST RESULTS

		Type of Test
Total	Coliform 2/ per 100 ml	MF
Confirmed	_____ positive tubes	MPN
Total	_____ per 100 ml	MPN
Fecal	_____ per 100 ml	MF
Fecal	_____ per 100 ml	MPN
Noncoliforms	TNTC per 100 ml	MF
Other	_____	

UNSATISFACTORY SAMPLE

- ☐ Excessive noncoliforms present. Resample—request MPN method.
- ☐ Sample too old. Not received within 30 hours of collection.
- ☐ Temperature violation (above 10°C)
- ☐ Form incomplete. See circled item.
- ☐ Date discrepancy.
- ☐ Leaking sample.
- ☐ Quantity insufficient for testing.
- ☐ Quantity too great to permit agitation.
- ☐ Other _____

PUBLIC SYSTEMS ONLY

- ☐ This sample complies with the Safe Drinking Water Act.
- ☐ This sample does not comply with the Safe Drinking Water Act. Notify local environmentalist.

Analyst N Oglethorpe SRB
Nicole Oglethorpe

Date reported September 14, 1983

Send Report to the following (Name and Address)

L.A. BREWER & ASSOCIATES
P.O. Box 2079
Farmington, NM 87499
Attn: Geroge Madrid

W. S. SYSTEM

Water Analysis Report

333 East Main
Farmington
New Mexico
87401
505/327-3311

DATE: 09/01/83

PAGE: 1 of 2

LABORATORY No. 4-141-4

Service to: L.A. Brewer & Associates
Address: P.O. Box 2079
Farmington, NM 87499
Attention: George Madrid
Sample from: Flora Vista Water Users
Animas River

Type of Sample: (X)Grab ( )Composite Preserved: (X)Yes ( )No
Date Collected: 08/22/83 Time: 1600

Collected by: George Madrid
Date Received: 08/22/83 Time: 1730
Delivered by: George Madrid
Received by: Stan Lueck
Comments: Analyst AL refers to ANACOR Labs, Albuquerque, NM
Analyst EI refers to Eberline Instrument, Albuquerque, NM

Parameter	Conc.[1]	lbs per day	Date Begun	Date Completed	Analyst	QA[2]	Ref[3]
Acidity ($CaCO_3$)							
Alk. ($CaCO_3$)							
Bicarbonate							
Carbonate							
Hydroxide							
BOD_5							
Chloride							
Chlorine (Free)							
COD							
Conductivity	uΩ						
Cyanide (Free)							
Flow	MGD						
Fluoride	1.14		8/23	8/23	NO		1
Hardness($CaCO_3$)							
Nitrogen, Total							
Nitrate (N)	0.50		8/23	8/23	NO		1
Ammonia							
Oil and Grease							
Oxygen, Diss.							
pH	units						
Phenols							
Phosphate,Ortho							
Solids, Total							
Dissolved							
Suspended							
Settleable	ml/l						
Sulfur, Sulfate							
Sulfide							
Temperature	°C						
TOC							
Turbidity	FTU						

Parameter	Conc.[1]	lbs per day	Date Begun	Date Completed	Analyst	QA[2]	Ref[3]
Arsenic	0.06		unk	9/07	AL		1
Barium	0.09		unk	9/07	AL		1
Cadmium	0.05		unk	9/07	AL		1
Calcium							
Chromium, Hex							
Total	0.03		unk	9/07	AL		1
Iron, Dissolved							
Total							
Lead	1.20		unk	9/07	AL		1
Magnesium							
Manganese							
Mercury	<0.002		unk	9/07	AL		1
Molybdenum							
Potassium							
Selenium	<0.002		unk	9/07	AL		1
Silver	1.61		unk	9/07	AL		1
Sodium							
Strontium							
Zinc							
Gross Alpha	0±5pci	/ l	unk	9/02	EI		
Beta	0±5pci	/ l	unk	9/02	EI		

Laboratory Chemist: Nicole Oglethorpe

Senior Chemist: Stan Lueck

[1]Unless otherwise stated, all data is reported in units of mg/l or ppm.
[2]Indicates if routine quality assurance check was performed on parameter. D=duplicate; S=spike.
[3]See attached list of methodology references.
[4]Indicates field measurements.

METHODOLOGY REFERENCES

1. Standard Methods for the Examination of Water and Wastewater, APHA-AWWA-WPCF, 15th Edition, 1980.

2. Methods for Chemical Analysis of Water and Wastes, United States Environmental Protection Agency, EPA-600/4-79-020, March 1979.

3. Annual Book of ASTM Standards, Part 31, Water, 1979.

4. API Recommended Practice for Analysis of Oil-Field Waters, American Petroleum Institute, July 1981.

TECH, Inc.
333 East Main
Farmington, NM 87401

MICROBIOLOGICAL WATER REPORT

Lab. No. 4-141-4

Date Received	Time Received
08/22/83	1730

SAMPLE IDENTIFICATION

SLD User Code No.

County: San Juan

Water Supply System Name: Flora Vista Water Users

WSS Code No.

COLLECTION INFORMATION

Date Collected Mo Day Year	Time Collected	Collected By
08/22/83	1600	George Madrid

Collection Point: Animas River

TYPE OF SYSTEM

Check One:

- ☐ Public Non-Community
- ☐ Public Community
- ☐ Private Well
- ☐ Swimming Pool

Disinfected? ☐ Yes ☐ No

Residual _____ mg/L

REASON FOR SAMPLING

Check One

- ☐ Routine Sample
- ☒ Special Sample
- ☐ Check Sample
- ☐ Monitoring Sample

TESTING REQUIRED

Check One

- ☐ Potability - Sample required for the Safe Drinking Water Act
- ☒ ~~Fecal~~ - Coliform
- ☐ Other _____

LABORATORY TEST RESULTS

		Type of Test
Total	Coliform 0/ per 100 ml	MF
Confirmed	_____ positive tubes	MPN
Total	_____ per 100 ml	MPN
Fecal	_____ per 100 ml	MF
Fecal	_____ per 100 ml	MPN
Noncoliforms	TNTC per 100 ml	MF
Other	_____	

UNSATISFACTORY SAMPLE

- ☐ Excessive noncoliforms present. Resample—request MPN method.
- ☐ Sample too old. Not received within 30 hours of collection.
- ☐ Temperature violation (above 10°C)
- ☐ Form incomplete. See circled item.
- ☐ Date discrepancy.
- ☐ Leaking sample
- ☐ Quantity insufficient for testing.
- ☐ Quantity too great to permit agitation.
- ☐ Other _____

Send Report to the following (Name and Address)

L.A. BREWER & ASSOCIATES
P.O. Box 2079
Farmington, NM 87499
Attn: George Madrid

PUBLIC SYSTEMS ONLY

- ☐ This sample complies with the Safe Drinking Water Act.
- ☐ This sample does not comply with the Safe Drinking Water Act. Notify local environmentalist.

Analyst N Oglethorpe SRS
Nicole Oglethorpe

Date reported September 14, 1983

W. S. SYSTEM

Laboratory Research Note Book of Richard F. Meyerhei

9/10/82

THM Vial Contamination test

9/8/82

2 THM Vials filled with blank water and tightly capped were placed in a 1 qt Mason jar along with a 25 ml erlenmeyer which contained a mixture of benzene, Trichloroethene and 1,2-dichloroethane at about 4:30 pm on 9/8/82. The mason jar was capped and placed on the hood and two blank water vials were placed alongside of the jar.

9/9/82 at 7:45 am the next morning the vials were removed from the mason jar and allowed to "dry" in the hood for 2 hours. There was condensation throughout the jar.

Results

The Control sample outside of the mason jar showed no contamination

Test sample #1 from inside the jar
set up at 10:00 am. Two syringes were filled after a portion of the vial was ~~[illegible]~~ poured out.

Test sample #2 from inside the jar
set up about 4:00 pm 3 syringes were filled. the outside of the vial was washed with distilled water before opening

Results		Benzene	Trichloroethene	1,2 dichloroethane
Test	Run			
1	1	68	40	280
	2	2	6	6
2	1	1242	600	Turned off too Soon
	2	700	300	1070
	3	826	330	1250

9/10/82

Second THM vial contamination test

4:30 p.m.

Two water blanks were placed in a room jar with sample #Org-299 (from SV-10) which was highly contaminated ~~at~~.

5/10/82

Second THM Vial Contamination test

4:30 pm

Two waterblanks were placed in room for with sample # Org-299 (from SV-10) which was highly contaminated ~~at~~.

Samples removed from Jar 5-15-82 at 5:30 am
Both samples were rinsed off with distilled water, dried and allowed to air Dry for about 15 minutes before they were opened.
When analyzed by Purge + Trap analysis the samples were found to contain:

1.21 PPB and 2.44 PPB dichloromethane

Org-299 had been found to contain:

	[ug/l]
Toluene	(600)
Ethylbenzene	(300)
Dichloromethane	(37000)
Trichloromethane	(50)
1,1 dichloroethane	(1700)
1,1,1-Trichloroethane	(15000)
1,1-dichloroethene	(9000)
Trichloroethene	(6000)
Tetrachloroethene	(20000)
2 butanone	(6000) *
2 propanone	(150000) *

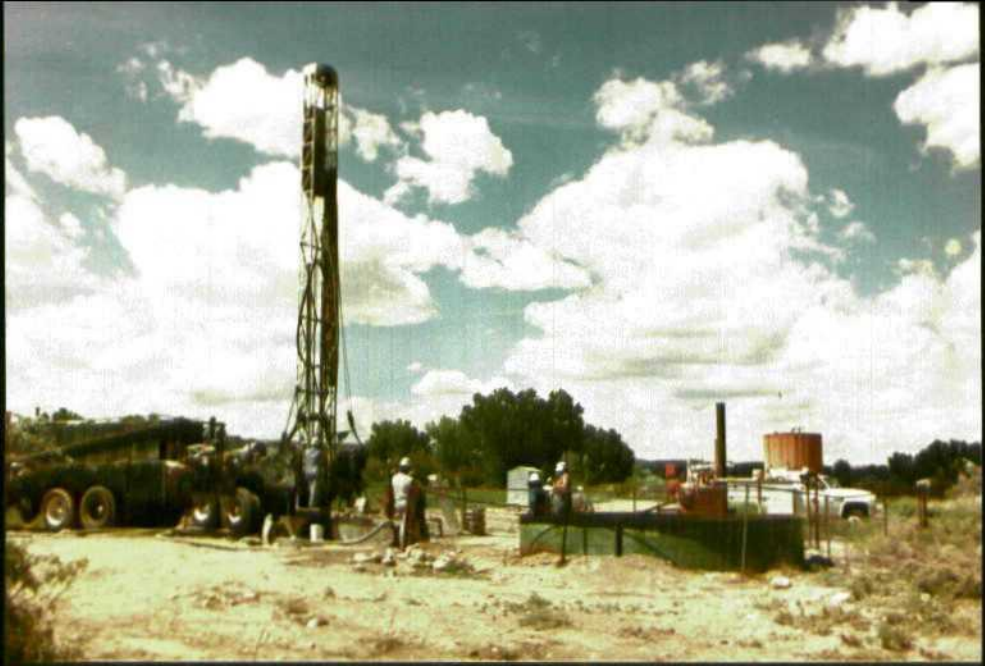
*PID and Hall detectors are not very sensitive to these compounds

Two controls were analyzed & came out negative

1-12

1-13

1-10



1-11

1-15

1-16

1-17

44 1-2

$\frac{1}{3-1}$

第一章

9-1

1-7

1-8

1-9

1-18

1-19

1-22

1-23

42-1

1-25

1-26

1-27

2-14

2-16

2-17

2-18

2-20

61-2

2-21

2.22

2-24

2-23

2-25