

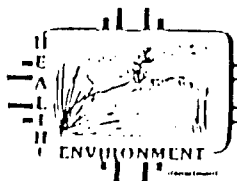
3R - 249

REPORTS

(SLD)

DATE:

1986-1985



STATE OF NEW MEXICO

86-0483-C

SCIENTIFIC LABORATORY DIVISION

700 Camino de Salud NE
Albuquerque, NM 87106 841-2570REPORT TO:
PLEASE PRINT

DAVID G. BOYER

NEW MEXICO OIL CONSERVATION DIV.

P.O. BOX 2088

SANTA FE, NM 87504-2088

S.L.D. No.: OR- 483-14.6DATE REC.: 4/28/86

SLD PRIORITY #: _____

PHONE(S): 827-5812

USER CODE: 82235SUBMITTER: DAVID BOYERSUBMITTER CODE: SAMPLE TYPE: WATER ☒, SOIL ☐, OTHER _____SAMPLE TYPE CODE: COLLECTED: 4/25/86 - 09:30 BY DRCODE: 8604250930OR

DATE

TIME

INITIALS

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SOURCE: WELL M1CODE:

AQUIFER

DEPTH

NEAREST CITY: FLORA VISTACODE:

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 SAMPLEI certify that the statements in this block accurately reflect the results of my field analyses, observations and activities. David BoyerMethod of shipment to the Laboratory Hand CarriedThis 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-Na₂S₂O₃: Sample preserved with Na₂S₂O₃ to remove chlorine residual.

I (we) certify that this sample was transferred from David Boyer to T.F. at (location) SLB on _____

_____/_____/_____: _____ and that the statements in this block are correct.

DATE AND TIME

Evidentiary Seals: Not Sealed ☐ Seals Intact: Yes ☒ No ☐Signatures David Boyer 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- 403

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 Purgeables	None Detected * +		
Halogenated Purgeables	None Detected * +		
		* DETECTION LIMIT	1 ug/l

REMARKS: Vial septum was inverted with rubber side toward sample
 + Rubber in contact with sample could lower results.

CERTIFICATE OF ANALYTICAL PERSONNEL

Seal(s) Intact: Yes X NO . Seal(s) broken by: R Meyerhen 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: R 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:



STATE OF NEW MEXICO

SCIENTIFIC LABORATORY DIVISION

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

86-0492-C

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- 492-17B
DATE REC.: 4/28/86
SLD PRIORITY #: _____

PHONE(S): 827-5812

USER CODE: 82235SUBMITTER: DAVID BOYERSUBMITTER CODE: SAMPLE TYPE: WATER ☒, SOIL ☐, OTHER _____SAMPLE TYPE CODE: COLLECTED: 4/21/86 - 10:35 BY DB
DATE TIME INITIALSCODE: 8604211035DB
Y Y M M D D H H M M I I ISOURCE: WELL M1CODE: + +
AQUIFER DEPTHNEAREST CITY: FLORA VISTACODE:

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.)

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-Na₂S₂O₃; Sample preserved with Na₂S₂O₃ to remove chlorine residual.

I (we) certify that this sample was transferred from David Boyer
to J.F. at (location) SLB on _____

_____/_____/_____: _____ and that the statements in this block are correct.

Evidentiary Seals: Not Sealed ☐ Seals Intact: Yes ☒ No ☐Signatures J.F. Finney David Boyer

(we) certify that this sample was transferred from _____
to _____ at (location) _____ on _____

_____/_____/_____: _____ and that the statements in this block are correct.

Evidentiary Seals: Not Sealed ☐ Seals Intact: Yes ☐ No ☐

Signatures _____

ANALYSES REQUESTED

LAB. No.: ORG- 492

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:

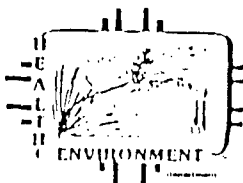
ANALYTICAL RESULTS

COMPOUND	[PPB]	COMPOUND	[PPB]
<i>aromatic hydrocarbons *</i>	<i>none detected</i>	<i>halogenated hydrocarbons **</i>	<i>none detected</i>
		<i>** Detection limit</i>	<i>1</i>
		<i>* DETECTION LIMIT</i>	<i>1</i>

REMARKS:

CERTIFICATE OF ANALYTICAL PERSONNEL

Seal(s) Intact: Yes ☒ NO ☐ . Seal(s) broken by: Kary 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: Kary 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: R. Meyer



STATE OF NEW MEXICO

SCIENTIFIC LABORATORY DIVISION

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

86 61-C

REPORT TO: DAVID G. BOYER
PLEASE PRINT
NEW MEXICO OIL CONSERVATION DIV.
P.O. BOX 2088
SANTA FE, NM 87501S.L.D. No.: OR-61-A.B
DATE REC.: 1-27-86
SLD PRIORITY #: 3

PHONE(S): 827-5812

USER CODE: 8 2 2 3 5

SUBMITTER: DAVID BOYER

SUBMITTER CODE: | | | | |

SAMPLE TYPE: WATER ☒, SOIL ☐, OTHER ☐

SAMPLE TYPE CODE: | | |

COLLECTED: 86/01/17-18:05 BY DGB
DATE TIME INITIALSCODE: | | | | | | | | | | | | | | | |
Y Y M M D D H H M M I I I I

SOURCE: Monitor Well #1

CODE: | | | + | | | + | | | | | |
AQUIFER DEPTH

NEAREST CITY: Flora Vista

CODE: | | | | | | |

LOCATION: Municipal Well Field

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 bailing 15 times. Well aerated first
to remove sedimentI 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 T. 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.
☒ P-Ice Sample stored in an ice bath (not frozen).
☐ P- $\text{Na}_2\text{S}_2\text{O}_3$; Sample preserved with $\text{Na}_2\text{S}_2\text{O}_3$ 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 TIMEEvidentiary 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 TIMEEvidentiary Seals: Not Sealed ☐ Seals Intact: Yes ☐ No ☐

Signatures _____

ANALYSES REQUESTED

LAB. No.: ORG-

61

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 head space	N.D.		
LAB A.I.D.	2 ppm		
halo. purg. screen	none detected		
arom. purg. screen	none detected		
		⊙ DETECTION LIMIT	1 ppb
		⊙ DETECTION LIMIT	3 ppb
		* DETECTION LIMIT	2 ppm

REMARKS:

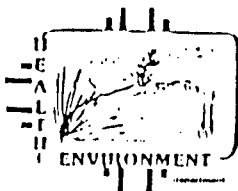
CERTIFICATE OF ANALYTICAL PERSONNEL

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: AS Deuring, M. Fairney

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. Meyer



STATE OF NEW MEXICO

SCIENTIFIC LABORATORY DIVISION

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

85-1107-C

REPORT TO:
PLEASE PRINT

DAVID G. BOYER

NEW MEXICO OIL CONSERVATION DIV.

P.O. BOX 2088

SANTA FE, NM 87501

S.L.D. No.: OR-1107

DATE REC.: 10/29/85

SLD PRIORITY #: 2

PHONE(S): 827-5812

USER CODE: 82235

SUBMITTER: D.G. BOYER

SUBMITTER CODE:

SAMPLE TYPE: WATER ☒, SOIL ☐, OTHER ☐

SAMPLE TYPE CODE:

COLLECTED: 85/10/25 - 12:23 BY DGB

CODE:

SOURCE: Mon. Well #1, Flora Vista

CODE:

NEAREST CITY: Municipal System

CODE:

LOCATION: Flora Vista

CODE:

pH= ; Conductivity= umho/cm at °C; Chlorine Residual=

Dissolved Oxygen= mg/l; Alkalinity= ; Flow Rate=

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

Bailed 3 casing volumes with PVC Bailer #1 (15 bails)
Water level 6.21 feet. Witnessed by Ray Penrod, FVDOA

I certify that the statements in this block accurately reflect the results
of my field analyses, observations and activities. DGB / R. Penrod

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-Na₂S₂O₃; Sample preserved with Na₂S₂O₃ to remove chlorine residual.

I (we) certify that this sample was transferred from D.G. Boyer

to R.F. Meyerhein at (location) SLD Receiving on

85/10/29 - 14:30 and that the statements in this block are correct.

Evidentiary Seals: Not Sealed ☐ Seals Intact: Yes ☒ No ☐

Signatures DGB / R.F. Meyerhein

(we) certify that this sample was transferred from
to at (location) on

and that the statements in this block are correct.

Evidentiary Seals: Not Sealed ☐ Seals Intact: Yes ☐ No ☐

Signatures

ANALYSES REQUESTED

LAB. No.: ORG- 1107

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

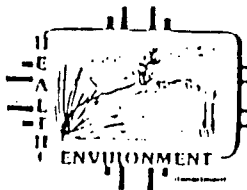
COMPOUND	[PPB]	COMPOUND	[PPB]
halo. purg. screen	none detected		
arom. purg. screen	none detected		
METHANE in HEADSPACE	1.8 ppmv		
METHANE in AIR	0.4 ppmv		
METHOD DETECTION LEVEL	0.4 ppmv		
		* DETECTION LIMIT	µg/m ³

REMARKS:

Two compounds were detected by the aromatic screen that were not identified.

CERTIFICATE OF ANALYTICAL PERSONNEL

Seal(s) Intact: Yes X NO . Seal(s) broken by: 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:
 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

SCIENTIFIC LABORATORY DIVISION

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

85-1011-C

REPORT TO: DAVID G. BOYER
PLEASE PRINT
NEW MEXICO OIL CONSERVATION DIV.
P.O. BOX 2088
SANTA FE, NM 87501

S.L.D. No.: OR-
DATE REC. :
SLD PRIORITY #: 3

PHONE(S): 827-5812

USER CODE: 8 2 2 3 5

SUBMITTER: David G. Boyer

SUBMITTER CODE: | | | | |

SAMPLE TYPE: WATER ☒, SOIL ☐, OTHER ☐

SAMPLE TYPE CODE: | | |

COLLECTED: 85/09/21 - 11:40 BY DJR
DATE TIME INITIALSCODE: | | | | | | | | | | | | | | | |
Y Y M M D D H H M M I I I

SOURCE: Flora Vista Monitor Well #1

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.) Railed 50 times
sample from well previously cleaned on 9/30 by use
of 160 cfm air compressor at 25 psi. Depth to GW 5.830 ft

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-Na₂S₂O₃; Sample preserved with Na₂S₂O₃ 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- 1011

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
		<i>Benzene, etc.</i>			

REMARKS:

ANALYTICAL RESULTS

COMPOUND	[PPB]	COMPOUND	[PPB]
<i>halo. purg. screen</i>	<i>none detected</i>		
<i>benzene</i>	<i>N.D.</i>		
<i>toluene</i>	<i>4</i>		
<i>ethylbenzene</i>	<i>2</i>		
<i>p-xylene</i>	<i>2</i>		
<i>m-xylene</i>	<i>7</i>		
<i>o-xylene</i>	<i>7</i>		
		* DETECTION LIMIT	<i>2 ug/ml</i>

REMARKS: *Six other compounds were detected by the aromatic screen that were not identified.*

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: *30 Sept 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]*



STATE OF NEW MEXICO

SCIENTIFIC LABORATORY DIVISION

700 Camino de Salud NE, Albuquerque, New Mexico 87102
(505) 841-2500

0652 -C

REPORT TO: DAVID G. BOYER
NEW MEXICO OIL CONSERVATION DIV.
P.O. BOX 2088
SANTA FE, NM 87501S.L.D. No.: OR- 652-H.BDATE REC.: 7/22/85PHONE 827-5812USER CODE: 82235

CONTAINERS WHICH ACCOMPANY THIS FORM ARE COLLECTIVELY REFERED TO AS SAMPLE.

SUBMITTER: NM OIL CONSERVATION CODE LOCATION: FLORA VISTA CODE SOURCE: MON. WELL 1 CODE COLLECTED: 6/28/85 BY EARP/BAILEY CODE SAMPLE TYPE: WATER SOIL OTHER CODE NEAREST CITY: FLORA VISTA CODE

--	--	--	--	--	--

TOWNSHIP			RANGE			SECTION			TRACTS		

AQUIFER					DEPTH				

8	5	0	6	2	8	1	0	3	5		
Y	Y	M	M	D	D	H	H	M	M	P	I

--	--	--	--	--	--

--	--	--	--	--	--

pH= ; Conductivity= umho/cm at °C; Chlorine Residual= Dissolved Oxygen= mg/l; Alkalinity= ; Flow Rate=

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

BAILED MONITOR WELLI certify that the statements in this block accurately reflect the results of my field analyses, observations and activities. J. BaileyMethod of shipment to the Laboratory Hand carriedThis 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- $\text{Na}_2\text{S}_2\text{O}_3$: Sample preserved with $\text{Na}_2\text{S}_2\text{O}_3$ 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-

652

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]
halogenated purge	none detected		
benzene	N.D.*		
toluene	13		
ethylbenzene	N.D.		
p-xylene	N.D.		
m-xylene	N.D.		
o-xylene	1		
		* DETECTION LIMIT	

REMARKS:

~~One non-saturatated hydrocarbon also detected at 5.5 min. One large peak that may be acetone was also detected.~~

CERTIFICATE 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: 9 July 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

LABORATORY

DRG 266 AYB



New Mexico Oil Conservation Division

LAB NUMBER

3-22-85

P. O. Box 2088

Santa Fe, NM 875

85-0266 -C

Priority 2
Report by 3/24/85

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 ☐ OtherWater Supply and/or Code No. Flora Vista Man. Well #1 (Municipal system)City & County Flora Vista San JuanCollected (date & time) 0930, 3/20/85 By (name) Boyer/RocapH= —; Conductivity= — umho/cm at — °C; Chlorine Residual= —Dissolved Oxygen= — mg/l; Alkalinity= —; Flow Rate= —

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

Sample from pit dug prior to Man Well Installation, sample had unidentified odor. Backhoe digging pit had hydraulic fluid leak.

I certify that the statements in this block accurately reflect the results of my field analyses, observations and activities. Signed David G. BoyerI certify that I witnessed these field analyses, observations and activities and concur with the statements in this block. Signed Philip L. RocaMethod of Shipment to Laboratory Hand carriedTHIS 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-Na₂O₃S₂: Sample preserved with 3 mg Na₂O₃S₂/40 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- 266

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
		<i>Benzene etc.</i>			

REMARKS :

ANALYTICAL RESULTS

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

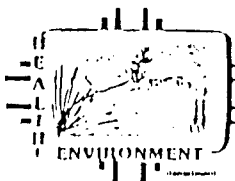
REMARKS: *No fugeables detected.**

CERTIFICATE 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: 8-25-88. 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]



SCIENTIFIC LABORATORY DIVISION

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

86-0484-C

REPORT TO:
PLEASE PRINT

DAVID G. BOYER

NEW MEXICO OIL CONSERVATION DIV.

P.O. BOX 2088

SANTA FE, NM 87504-2088

S.L.D. No.: OR-484-17-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 ☒, SOIL ☐, OTHER _____

SAMPLE TYPE CODE: _____

COLLECTED: 4/25/86 - 09:45 BY DB

CODE: 8 6 0 4 2 5 0 9 4 5 DB

SOURCE: WELL M-2

CODE: _____

NEAREST CITY: FLORA VISTA

CODE: _____

LOCATION: _____

CODE: _____

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

I certify that the statements in this block accurately reflect the results of my field analyses, observations and activities. David G. BoyerMethod of shipment to the Laboratory hand carriedThis 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- $\text{Na}_2\text{S}_2\text{O}_3$; Sample preserved with $\text{Na}_2\text{S}_2\text{O}_3$ 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.

Evidentiary Seals: Not Sealed ☐ Seals Intact: Yes ☒ No ☐Signatures J. Farney David Boyer

(we) certify that this sample was transferred from _____ to _____ at (location) _____ on _____

_____/_____/_____: _____ and that the statements in this block are correct.

Evidentiary Seals: Not Sealed ☐ Seals Intact: Yes ☐ No ☐

Signatures _____

ANALYSES REQUESTED

LAB. No.: ORG- 484

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

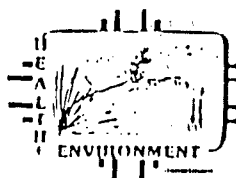
ANALYTICAL RESULTS

COMPOUND	[PPB]	COMPOUND	[PPB]
aromatic hydrocarbons **	none detected	halogenated hydrocarbons *	
		CH ₂ Cl ₂	#
		Dichloromethane	1
		** Detection Limit	1
		* DETECTION LIMIT	1

REMARKS: sample septum was inverted with rubber side toward sample.
 + Rubber in contact with sample could cause lower results for organics

CERTIFICATE OF ANALYTICAL PERSONNEL

Seal(s) Intact: Yes ☒ NO ☐ . Seal(s) broken by: Harry C. Elen 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: Harry C. Elen
 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. Dreyer



STATE OF NEW MEXICO

86- 0498-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- 1498-17.6

DATE REC. :

4/28/86

SLD PRIORITY #:

PHONE(S):

827-5812

USER CODE: 8 2 2 3 5

SUBMITTER:

DAVID BOYERSUBMITTER CODE: SAMPLE TYPE: WATER ☒ , SOIL ☐ , OTHER ☐SAMPLE TYPE CODE: COLLECTED: 4/21/86 - 10:55

DATE

TIME

BY DB

INITIALS

CODE: 86 04 21 10 55

Y

Y

M

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I

SOURCE:

WELL M-2CODE:

AQUIFER

DEPTH

NEAREST CITY:

FLORA VISTACODE:

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.)

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- $\text{Na}_2\text{S}_2\text{O}_3$; Sample preserved with $\text{Na}_2\text{S}_2\text{O}_3$ to remove chlorine residual.

I (we) certify that this sample was transferred from David Boyer to JE at (location) SLD on / / : and that the statements in this block are correct.

Evidentiary Seals: Not Sealed ☐ Seals Intact: Yes ☒ No ☐Signatures JE David Boyer

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

Evidentiary Seals: Not Sealed ☐ Seals Intact: Yes ☐ No ☐Signatures

ANALYSES REQUESTED

LAB. No.: ORG- 498

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:

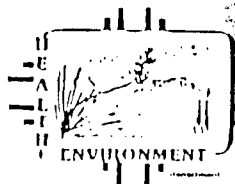
ANALYTICAL RESULTS

COMPOUND	[PPB]	COMPOUND	[PPB]
aromatic hydrocarbons *	none detected		
halogenated hydrocarbons *	none detected		
		* DETECTION LIMIT	/

REMARKS:

CERTIFICATE OF ANALYTICAL PERSONNEL

Seal(s) Intact: Yes ☒ NO ☐ . Seal(s) broken by: Mary C. Eden date: 5/10/86
 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: 5/10/86 . 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: R. Meyer



STATE OF NEW MEXICO

SCIENTIFIC LABORATORY DIVISION

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

86-56-C

REPORT TO:

DAVID G. BOYER

PLEASE PRINT

NEW MEXICO OIL CONSERVATION DIV.

P.O. BOX 2088

SANTA FE, NM 87501

S.L.D. No.:

OR-56-AB

DATE REC.:

1-27-86

SLD PRIORITY #:

3

PHONE(S):

827-5812

USER CODE:

8 2 2 3 5

SUBMITTER:

DAVID BOYER

SUBMITTER CODE:

| | | | |

SAMPLE TYPE: WATER ☒ SOIL ☐ OTHER ☐

SAMPLE TYPE CODE:

| | |

COLLECTED:

86/01/17-18:20 BY *AB*

CODE:

| | | | | | | | | | | | | | | |

SOURCE:

Municipal Well #2

CODE:

| | | | | | | | | | | | | | | |

NEAREST CITY:

Flora Vista

CODE:

| | | | | | |

LOCATION:

Municipal Well Field

CODE:

| | | | | | | | | | | | | | | |

pH= ; Conductivity= umho/cm at °C; Chlorine Residual= Dissolved Oxygen= mg/l; Alkalinity= ; Flow Rate=

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

*Sampled after bailing 15 times. Well Augered earlier to remove sediments*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-Na₂S₂O₃; Sample preserved with Na₂S₂O₃ 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- 56

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
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	AROMATIC HYDROCARBON SCREEN			CHLORINATED HYDROCARBON PESTICIDES
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	HALOGENATED HYDROCARBON SCREEN			CHLOROPHENOXY ACID HERBICIDES
		GAS CHROMATOGRAPH/MASS SPECTROMETER			HYDROCARBON FUEL SCREEN
					ORGANOPHOSPHATE PESTICIDES
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<i>Head space test</i>			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	2 ppm

REMARKS:

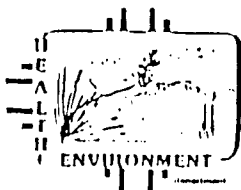
CERTIFICATE OF ANALYTICAL PERSONNEL

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: 4/4/86. 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]*



STATE OF NEW MEXICO

SCIENTIFIC LABORATORY DIVISION

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

85-1108-C

REPORT TO:

DAVID G. BOYER

PLEASE PRINT

NEW MEXICO OIL CONSERVATION DIV.

P.O. BOX 2088

SANTA FE, NM 87501

S.L.D. No.: OR-1108

DATE REC.: 10/29/85

SLD PRIORITY #: 2

PHONE(S):

827-5812

USER CODE: 82235

SUBMITTER:

D. G. Boyer

SUBMITTER CODE:

SAMPLE TYPE: WATER ☒, SOIL ☐, OTHER ☐

SAMPLE TYPE CODE:

COLLECTED: 85/10/25-12:35 BY ASB

DATE

TIME

INITIALS

CODE: Y Y M M D D H H M M I I I

SOURCE: Monitor Well #2, Flora Vista

CODE: AQUIFER DEPTH

NEAREST CITY: Flora Vista

CODE:

LOCATION: Municipal Well Field

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.)

Bailed 3 casing volumes (15 bailes) with PVC bailes #1
Water level 6.52 feet. Witnessed by Ray Benrae, FVWUA

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

Hard Carrier

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-Na₂S₂O₃; Sample preserved with Na₂S₂O₃ 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
85/10/29-14:30 and that the statements in this block are correct.

DATE AND TIME

Evidentiary Seals: Not Sealed ☐ Seals Intact: Yes ☒ No ☐

Signatures

D. G. Boyer

R. F. 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- 1108

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	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	0.7 ppm		
METHANE in AIR	0.7 ppm		
METHOD DETECTION LEVEL	0.4 ppm		
		* DETECTION LIMIT	1 µg/m ³

REMARKS:

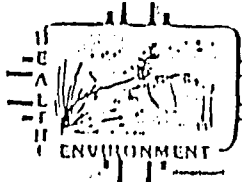
Three compounds were detected by the aromatic screen that were not identified.

CERTIFICATE OF ANALYTICAL PERSONNEL

Seal(s) Intact: Yes ☒ NO ☐ Seal(s) broken by: W. Zimney 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 Analyst's signature: W. Zimney C. B. BermanI certify that I have reviewed and concur with the analytical results for this sample and with the statements in this block. Reviewers signature: R. Meagher



STATE OF NEW MEXICO

SCIENTIFIC LABORATORY DIVISION

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

85-1108 C

REPORT TO:
PLEASE PRINT

DAVID G. BOYER

NEW MEXICO OIL CONSERVATION DIV.

P.O. BOX 2088

SANTA FE, NM 87501

S.L.D. No.: OR-1108

DATE REC.: 10/29/85

SLD PRIORITY #: 2

PHONE(S): 827-5812

USER CODE: 8 2 2 3 5

SUBMITTER: D. G. Boyer

SUBMITTER CODE: | | | | |

SAMPLE TYPE: WATER ☒, SOIL ☐, OTHER ☐

SAMPLE TYPE CODE: | | |

COLLECTED: 85/10/25-12:35 BY DGB

CODE: | | | | | | | | | | | | | | | |

SOURCE: Monitor Well #2, Flora Vista

CODE: | | | | | | | | | | | | | | | |

NEAREST CITY: Flora Vista

CODE: | | | | |

LOCATION: Municipal Well Field

CODE: | | | | | | | | | | | | | | | |

pH= ; Conductivity= umho/cm at °C; Chlorine Residual=

Dissolved Oxygen= mg/l; Alkalinity= ; Flow Rate=

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

Bailed 3 casing volumes (15 bails) with PVC bailer #1
Water level 6.52 feet. Witnessed by Ray Benrae, FVWUA

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

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-Na₂S₂O₃: Sample preserved with Na₂S₂O₃ 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 85/10/29-14:30 and that the statements in this block are correct.

Evidentiary Seals: Not Sealed ☐ Seals Intact: Yes ☒ No ☐

Signatures D. G. Boyer R. F. Meyerhein

(we) certify that this sample was transferred from to at (location) on

and that the statements in this block are correct.

Evidentiary Seals: Not Sealed ☐ Seals Intact: Yes ☐ No ☐

Signatures

ANALYSES REQUESTED

LAB. No.: ORG- 1108

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 headspace	0.7 ppm		
METHANE in AIR	0.4 ppm		
METHOD DETECTION LEVEL	0.4 ppm		
		* DETECTION LIMIT	1 µg/m ³

REMARKS:

Three compounds were detected by the aromatic screen that were not identified.

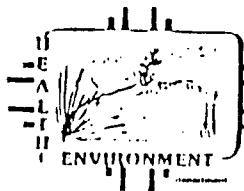
GC/MS Analysis on 12/20/85 Did not detect the above mentioned 3 peaks but did detect ethanol. L. Meyerheim

CERTIFICATE OF ANALYTICAL PERSONNEL

Seal(s) Intact: Yes ☒ NO ☐ Seal(s) broken by: Al. Finley 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: 12/21/85 Analyst's signature: Al. Finley C. S. BuserI certify that I have reviewed and concur with the analytical results for this sample and with the statements in this block. Reviewers signature: L. Meyerheim



STATE OF NEW MEXICO

SCIENTIFIC LABORATORY DIVISION

Bureau of Health NE
Albuquerque, NM 87106 841-2570

85-1010-C

REPORT TO:

DAVID G. BOYER

PLEASE PRINT

NEW MEXICO OIL CONSERVATION DIV.

P.O. BOX 2088

SANTA FE, NM 87501

S.L.D. No.:

OR-1010 A,B.

DATE REC.:

9/23/85

SLD PRIORITY #:

3

PHONE(S):

827-5812

USER CODE: 8 2 2 3 5

SUBMITTER:

DAVID G. BOYER

SUBMITTER CODE: | | | | |

SAMPLE TYPE: WATER ☒, SOIL ☐, OTHER ☐

SAMPLE TYPE CODE: | | |

COLLECTED: 85/09/21 - 12:15 BY DGB

DATE

TIME

INITIALS

CODE: | | | | | | | | | | | | | | | |

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SOURCE: Flora Vista Man. Well #2

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 from well previously cleaned on 9/50 by use of 100 cfm
air compressor at 25 psi, depth to gw 6.140I 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-Na₂S₂O₃; Sample preserved with Na₂S₂O₃ 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- 1010

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
		<i>Benzene, etc.</i>			

REMARKS:

ANALYTICAL RESULTS

COMPOUND	[PPB]	COMPOUND	[PPB]
arom. purge screen	none detected		
halo. purge screen	none detected		
<i>Benzene</i>	<i>N.D.</i>		
<i>Toluene</i>	<i>3</i>		
<i>Ethylbenzene</i>	<i>N.D.</i>		
<i>p-xylene</i>	<i>Trace < 2ppb</i>		
<i>m-xylene</i>	<i>2</i>		
<i>o-xylene</i>	<i>Trace</i>	* DETECTION LIMIT	<i>2ug/g</i>

REMARKS: *N.D. = none detected. Six other compounds were detected by the aromatic screen that were not identified.*

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: 30 Sept 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]



STATE OF NEW MEXICO

SCIENTIFIC LABORATORY DIVISION

700 Camino de Salud NE, Albuquerque, New Mexico 87106
(505) 841-2500

85-0653 -C

REPORT TO: DAVID G. ROYER
NEW MEXICO OIL CONSERVATION DIV.
P.O. BOX 2088
SANTA FE, NM 87501

S.L.D. No.: OR-653-17-B
DATE REC.: 7/05/85
PHONE 827-5812
USER CODE: 82235

CONTAINERS WHICH ACCOMPANY THIS FORM ARE COLLECTIVELY REFERED TO AS SAMPLE.

SUBMITTER: NM OIL CONSERVATION DIV CODE

LOCATION: FLORA VISTA CODE

SOURCE: MON. WELL 2 CODE

COLLECTED: 6/28/85 BY EARA/BAILEY CODE

SAMPLE TYPE: (WATER) SOIL OTHER CODE

NEAREST CITY: FLORA VISTA CODE

TOWNSHIP RANGE SECTION TRACTS											
AQUIFER DEPTH											
8	5	0	6	2	8	1	0	1	0	5	3
Y	Y	H	M	D	D	H	H	M	M	I	I

pH= ; Conductivity= umho/cm at °C; Chlorine Residual=
Dissolved Oxygen= mg/l; Alkalinity= ; Flow Rate=
Sampling Location, Methods and Remarks (i.e. odors, etc.)
BAILED MONITOR WELL 2

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-Na₂S₂O₃: Sample preserved with Na₂S₂O₃ 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- 653

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]
halogenated purge	none detected		
Benzene	N.D.		
Toluene	5		
Ethylbenzene	N.D.		
p-Xylene	N.D.		
m-Xylene	N.D.		
o-Xylene	trace < 1 ppb		
		* DETECTION LIMIT	1 µg/ml

REMARKS: ~~One large peak~~ One large peak was also detected 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: 9 July 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

LABORATORY

ORF 267 AYB



New Mexico Oil Conservation Division

LAB NUMBER

P. O. Box 2088

Santa Fe, NM

8750

85-0267-C

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, Mon. Well #2City & County Flora Vista, San JuanCollected (date & time) 1030, 3/27/85 By (name) Boyer/BacapH= 7; Conductivity= umho/cm at °C; Chlorine Residual= Dissolved Oxygen= mg/l; Alkalinity= ; Flow Rate=

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

sample from pit dug prior to mon well installation.
No odors noted. Backhoe looking hydraulic fluid.

I certify that the statements in this block accurately reflect the results of my field analyses, observations and activities. Signed David G. BoyerI certify that I witnessed these field analyses, observations and activities and concur with the statements in this block. Signed Philip G. BacaMethod of Shipment to Laboratory Hand CarriedTHIS FORM ACCOMPANIES septum vials with teflon-lined discs identified as: specimen ✓; 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-Na₂O₃S₂: Sample preserved with 3 mg Na₂O₃S₂/40 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- 267

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 ppm/l

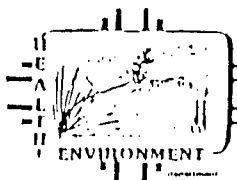
REMARKS: No Surgeables detected. *

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: 8-25-85. 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]



STATE OF NEW MEXICO

SCIENTIFIC LABORATORY DIVISION

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

86-0495-C

MAY 15 1986

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-495-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 ☒, SOIL ☐, OTHER ☐

SAMPLE TYPE CODE: | |

COLLECTED: 4/25/86 - 10:07 BY DB

CODE: 8 6 0 4 2 5 1 5 0 7 0 3

DATE

TIME

INITIALS

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SOURCE: WELL M3

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

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-Na₂S₂O₃; Sample preserved with Na₂S₂O₃ to remove chlorine residual.I (we) certify that this sample was transferred from *David G. Boyer* to *J.F.* at (location) *SLR* 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- 495

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
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	AROMATIC HYDROCARBON SCREEN			CHLORINATED HYDROCARBON PESTICIDES
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	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 *	
		CH₂Cl₂	2
		Dichloromethane	2
		* DETECTION LIMIT	1

REMARKS:

yellow 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: *5/11/86*

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: *5/11/86*. 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: *R. Meyersheim*



STATE OF NEW MEXICO

86- 0485-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- _____

DATE REC. : _____

SLD PRIORITY #: _____

PHONE(S): 827-5812

USER CODE: 8 2 2 3 5

SUBMITTER: DAVID BOYER

SUBMITTER CODE: | | | |

SAMPLE TYPE: WATER ☒ , SOIL ☐ , OTHER _____

SAMPLE TYPE CODE: | | |

COLLECTED: 4/21/86 - 10:10 BY DB

CODE: 8 6 0 4 2 1 1 0 1 0 4 3

SOURCE: WELL MW3

CODE: | | | | | | | | | | | |

NEAREST CITY: FLORA VISTA

CODE: | | | | | |

LOCATION: _____

CODE: | | | | | | | | | |

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

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

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

I certify that the statements in this block accurately reflect the results of my field analyses, observations and activities. *Spencer Paul Davis*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- $\text{Na}_2\text{S}_2\text{O}_3$; Sample preserved with $\text{Na}_2\text{S}_2\text{O}_3$ to remove chlorine residual.

I (we) certify that this sample was transferred from *David Boyer, et al*
to *J.F.* at (location) *SID* on _____

_____/_____/_____: and that the statements in this block are correct.

Evidentiary Seals: Not Sealed ☐ Seals Intact: Yes ☒ No ☐Signatures *J.F. Finney* *David Boyer*(we) certify that this sample was transferred from _____
to _____ at (location) _____ on _____

_____/_____/_____: and that the statements in this block are correct.

Evidentiary Seals: Not Sealed ☐ Seals Intact: Yes ☐ No ☐

Signatures _____

ANALYSES REQUESTED

LAB. No.: ORG- 485

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

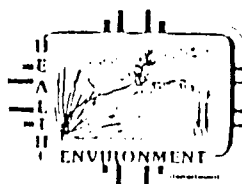
ANALYTICAL RESULTS

COMPOUND	[PPB]	COMPOUND	[PPB]
aromatic hydrocarbons	** none detected	halogenated hydrocarbon	* none detected
		** Detection Limit	1
		* DETECTION LIMIT	1

REMARKS: trace of unsaturated hydrocarbons at less than 1ppb

CERTIFICATE OF ANALYTICAL PERSONNEL

Seal(s) Intact: Yes ☒ NO ☐ . Seal(s) broken by: Harry C. Elden 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: Harry C. Elden
 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



STATE OF NEW MEXICO

SCIENTIFIC LABORATORY DIVISION

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

86 62 -C

REPORT TO:

DAVID G. BOYER

PLEASE PRINT

NEW MEXICO OIL CONSERVATION DIV.

P.O. BOX 2088

SANTA FE, NM 87501

S.L.D. No.: OR-62-17.13

DATE REC.: 1-27-86

SLD PRIORITY #: 3

PHONE(S):

827-5812

USER CODE: 8 2 2 3 5

SUBMITTER:

DAVID BOYER

SUBMITTER CODE: | | | | |

SAMPLE TYPE: WATER ☒, SOIL ☐, OTHER

SAMPLE TYPE CODE: | | |

COLLECTED: 86/01/17-17:35 BY DGB

DATE

TIME

INITIALS

CODE: | | | | | | | | | | | | | | | |

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SOURCE:

Monitor Well #3

CODE: | | | | | | | | | | | | | | | |

AQUIFER

DEPTH

NEAREST CITY:

Flora Vista

CODE: | | | | |

LOCATION:

Municipal Well Field

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.)

Sampled after 15 baits. Augered first to removed sediment

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.☒ P-Ice Sample stored in an ice bath (not frozen).☐ P-Na₂S₂O₃; Sample preserved with Na₂S₂O₃ 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- 62

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	2 ppm		
halo. purg. screen	none detected		
arom. purg. screen	none detected		
		⊙ DETECTION LIMIT	1 ppb
		⊙ DETECTION LIMIT	4 ppb
		* DETECTION LIMIT	2 ppm
REMARKS:			

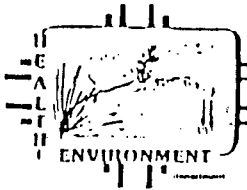
CERTIFICATE OF ANALYTICAL PERSONNEL

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; 4/30/86 Analyst's signature: CS Berman Altman

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 Meyer



STATE OF NEW MEXICO

SCIENTIFIC LABORATORY DIVISION

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

85-1109-C

REPORT TO: DAVID G. BOYER
PLEASE PRINT
NEW MEXICO OIL CONSERVATION DIV.
P.O. BOX 2088
SANTA FE, NM 87501

S.L.D. No.: OR- 1109
DATE REC.: 10/29/85
SLD PRIORITY #: 2

PHONE(S): 827-5812

USER CODE: 8 2 2 3 5

SUBMITTER: D. G. BOYER

SUBMITTER CODE: | | | |

SAMPLE TYPE: WATER ☒, SOIL ☐, OTHER ☐

SAMPLE TYPE CODE: | |

COLLECTED: 85/10/25-12:09 BY DGB
DATE TIME INITIALS

CODE: | | | | | | | | | |
Y Y M M D D H H M M I I I

SOURCE: Monton Well #3, Flora Vista

CODE: | | | | | | | |
AQUIFER DEPTH

NEAREST CITY: Flora Vista

CODE: | | | | |

LOCATION: Municipal Well Field

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.)

Bailed 3 casing volumes (15 bailes) with PVC bailer #1
Depth to water 6.52 feet. Witnessed by Ray Penrod, FVWUA

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

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-Na₂S₂O₃; Sample preserved with Na₂S₂O₃ 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
85/10/29-14:30 and that the statements in this block are correct.
DATE AND TIME

Evidentiary Seals: Not Sealed ☐ Seals Intact: Yes ☒ No ☐

Signatures D.G. Boyer R. Meyerhein

(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-1109

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		<i>Head Space Test</i>			POLYCHLORINATED BIPHENYLS (PCB's)
					POLYNUCLEAR AROMATIC HYDROCARBONS
					TRIAZINE HERBICIDES
		SPECIFIC COMPOUNDS			SPECIFIC COMPOUNDS

REMARKS :

ANALYTICAL RESULTS

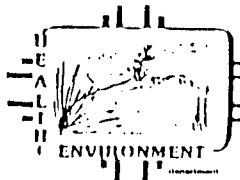
COMPOUND	[PPB]	COMPOUND	[PPB]
halo. purg. screen	none detected		
arom. purg. screen*	none detected		
METHANE IN HEADSPACE	8.4 ppm		
METHANE IN AIR	0.4 ppm		
METHOD DETECTION LEVEL	0.4 ppm		
		* DETECTION LIMIT	1 ug/m ³

REMARKS:

REMARKS: Two compounds were detected by the aromatic screen that were not identified.

CERTIFICATE OF ANALYTICAL PERSONNEL

Seal(s) Intact: Yes X NO . Seal(s) broken by: J. 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: J. Finney C. B. Burrell
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

SCIENTIFIC LABORATORY DIVISION

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

85-1013 -C

REPORT TO:

DAVID G. BOYER

PLEASE PRINT

NEW MEXICO OIL CONSERVATION DIV.

P.O. BOX 2088

SANTA FE, NM 87501

S.L.D. No.:

OR-1013 A, B

DATE REC.:

9/23/85

SLD PRIORITY #:

5

PHONE(S):

827-5812

USER CODE: 8 2 2 3 5

SUBMITTER:

David Boyer

SUBMITTER CODE: [] [] [] [] [] []

SAMPLE TYPE: WATER ☒, SOIL ☐, OTHER ☐

SAMPLE TYPE CODE: [] [] [] [] [] []

COLLECTED:

85/09/21 - 11:10

BY DGB

CODE:

[] [] [] [] [] [] [] [] [] [] [] [] [] [] [] []

Y Y M M D D H H M M I I I I

SOURCE:

Flora Vista Monitor Well #3

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.) Bailed 50 bail
Sample from well previously cleaned on 9/20 by
use of 160 CFM air compressor at 25 psi. Depth to
Water 6.065 feet.

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-Na₂S₂O₃; Sample preserved with Na₂S₂O₃ 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- 1013

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
		<i>Benzenes, etc.</i>			

REMARKS:

ANALYTICAL RESULTS

COMPOUND	[PPB]	COMPOUND	[PPB]
<i>halo. purg. screen</i>	<i>none detected</i>		
<i>benzene</i>	<i>N.D.</i>		
<i>Toluene</i>	<i>trace < 2 ppb</i>		
<i>ethylbenzene</i>	<i>trace < 2 ppb</i>		
<i>p-xylene</i>	<i>trace < 2 ppb</i>		
<i>m-xylene</i>	<i>trace < 2 ppb</i>		
<i>o-xylene</i>	<i>trace < 2 ppb</i>		
		* DETECTION LIMIT	<i>2 ug/ml</i>

REMARKS:

Trace amounts of two other compounds were detected by the aromatic screen that were not identified.

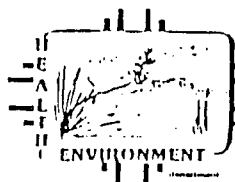
CERTIFICATE OF ANALYTICAL PERSONNEL

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: 30 Sept 85. Analyst's signature: J. J. J. J.

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. Meyer



STATE OF NEW MEXICO

SCIENTIFIC LABORATORY DIVISION

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

85-0823-C

REPORT TO:

DAVID G. BOYER

PLEASE PRINT

NEW MEXICO OIL CONSERVATION DIV.

P.O. BOX 2088

SANTA FE, NM 87501

S.L.D. No.: OR- 823-H.B

DATE REC.: 8/9/85

SLD PRIORITY #: 2

PHONE(S):

827-5812

USER CODE: 8 2 2 3 5

SUBMITTER: DAVID BOYER

SUBMITTER CODE: | | | | |

SAMPLE TYPE: WATER ☒ , SOIL ☐ , OTHER

SAMPLE TYPE CODE: | |

COLLECTED: 8/5/85 - 14:50 BY PAB

CODE: 8 5 0 8 0 5 1 4 5 0 9 8

SOURCE: FLORA VISTA MONITOR WELL #3

CODE: | | | | | | | | | | | |

NEAREST CITY: FLORA VISTA

CODE: | | | | |

LOCATION:

CODE: | | | | | | | | | |

pH= ; Conductivity= umho/cm at °C; Chlorine Residual=

Dissolved Oxygen= mg/l; Alkalinity= ; Flow Rate=

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

WELL T.O. 7'2". DEPTH TO WATER 6'6 1/2" VOLUME BAILED 0.5 gal
ODOR: SLIGHTLY METALLIC + SULFUR ODOR. COLLECTED IN PVC BAILERI certify that the statements in this block accurately reflect the results of my field analyses, observations and activities. Jamie BaileyMethod of shipment to the Laboratory Hand carriedThis 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-Na₂S₂O₃; Sample preserved with Na₂S₂O₃ to remove chlorine residual.

I (we) certify that this sample was transferred from Santa Fe OCD to Albuquerque at (location) SLD on8/9/85-17:50 and that the statements in this block are correct.Evidentiary Seals: Not Sealed ☐ Seals Intact: Yes ☒ No ☐Signatures Philip D. BoyerJ. Bailey(we) certify that this sample was transferred from to at (location) on / / : and that the statements in this block are correct.Evidentiary Seals: Not Sealed ☐ Seals Intact: Yes ☐ No ☐Signatures

ANALYSES REQUESTED

LAB. No.: ORG- 823

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 \neq			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
		\neq Not performed AIR-9/9/85			

REMARKS:

ANALYTICAL RESULTS

COMPOUND	[PPB]	COMPOUND	[PPB]
halo. purge screen	N.D.*		
arom. purge screen	N.D.*		
Methane in head space	= 1.25 ppm		
		* DETECTION LIMIT	2 ug/ml

REMARKS: One compound was detected in trace quantity < 2ppb by aromatic screen that was not identified.

METHANE in LAB AIR = 1.3 ppm MDL = 1 ppm

CERTIFICATE OF ANALYTICAL PERSONNEL

Seal(s) Intact: Yes ☒ NO ☐ Seal(s) broken by: 12 Aug 85 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 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]



STATE OF NEW MEXICO

SCIENTIFIC LABORATORY DIVISION

700 Camino de Salud NE, Albuquerque, New Mexico 87106
(505) 841-2500

85-0654-B

REPORT TO: DAVID G. BOYER
NEW MEXICO OIL CONSERVATION DIV.
P.O. BOX 2088
SANTA FE, NM 87501

S.L.D. No.: OR- 1054-A
DATE REC.: 7/3/85
PHONE 827-5812
USER CODE: 82235

CONTAINERS WHICH ACCOMPANY THIS FORM ARE COLLECTIVELY REFERED TO AS SAMPLE.

SUBMITTER: NM OIL CONSERVATION DIV CODE
LOCATION: FLORA VISTA CODE
SOURCE: MON. WELL 3 CODE
COLLECTED: 6/28/85 BY EARP/BAILEY CODE
SAMPLE TYPE: (WATER) SOIL OTHER CODE
NEAREST CITY: FLORA VISTA CODE

TOWNSHIP RANGE SECTION TRACTS
AQUIFER DEPTH
250628093043
Y Y M M D D H H M M A I I

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

BAILED MONITOR WELL

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

Method of shipment to the Laboratory Hand carried

This form accompanies 1 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-Na₂S₂O₃: Sample preserved with Na₂S₂O₃ 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- 654

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]
halogenated purge	none detected		
Benzene	N.D.*		
Toluene	N.D.		
Ethylbenzene	N.D.		
p-Xylene	N.D.		
m-Xylene	N.D.		
O-Xylene	trace < 1 ppb		
		* DETECTION LIMIT	100 ppb

REMARKS:

All samples should be submitted in duplicate.
 Three other unsaturated hydrocarbons also detected
 one at ~1 ppb and two at < 20 ppb.

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. 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

LABORATORY ORG 265 A4B

New Mexico Oil Conservation Division

LAB NUMBER

P. O. Box 2088

Santa Fe, NM

87501

85-0265-C

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, Monloello #3City & County Flora Vista, San JuanCollected (date & time) 1205 PM/3/20/85 By (name) Boyer/BacapH= —; Conductivity= — umho/cm at — °C; Chlorine Residual= —Dissolved Oxygen= — mg/l; Alkalinity= —; Flow Rate= —

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

Sample from pit dug prior to mon. well installation
No odors noted. Backhoe leaking hydraulic fluid

I certify that the statements in this block accurately reflect the results of my field analyses, observations and activities. Signed David G. BoyerI certify that I witnessed these field analyses, observations and activities and concur with the statements in this block. Signed Philip G. BacaMethod of Shipment to Laboratory Hand carriedTHIS 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-Na₂O₃S₂: Sample preserved with 3 mg Na₂O₃S₂/40 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) —

LAB. No.: ORG- 265

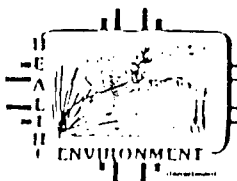
QUALITATIVE		PURGEABLE SCREENS	QUALITATIVE		EXTRACTABLE SCREENS
QUANTITATIVE			QUANTITATIVE		
		ALIPHATIC HYDROCARBON SCREEN			ALIPHATIC HYDROCARBONS
X	X	AROMATIC HYDROCARBON SCREEN			CHLORINATED HYDROCARBON PESTICIDES
		HALOGENATED HYDROCARBON SCREEN			CHLOROPHENOXY ACID HERBICIDES
		GAS CHROMATOGRAPH/MASS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

REMARKS :

COMPOUND	[PPB]	COMPOUND	[PPB]
<i>aromatic purgeables</i>	<i>none detected</i>		
<i>halogenated purgeables</i>	<i>none detected</i>		
		* DETECTION LIMIT	<i>1 mgm/l</i>

REMARKS: *No purgeables detected.*

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: J. J. Quinney
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. Meyerhoefer



STATE OF NEW MEXICO

SCIENTIFIC LABORATORY DIVISION

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

86-0489-C

REPORT TO:
PLEASE PRINT

DAVID G. BOYER

NEW MEXICO OIL CONSERVATION DIV.

P.O. BOX 2088

SANTA FE, NM 87504-2088

S.L.D. No.: OR-489-17.3

DATE REC.: 4/27/86

SLD PRIORITY #:

PHONE(S):

827-5812

USER CODE: 8 2 2 3 5

SUBMITTER:

DAVID BOYER

SUBMITTER CODE: | | | |

SAMPLE TYPE: WATER ☒, SOIL ☐, OTHER

SAMPLE TYPE CODE: | | |

COLLECTED: 4/25/86 - 10:15 BY DB

DATE

TIME

INITIALS

CODE: 8 6 0 4 2 5 1 0 1 5 DB

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SOURCE:

WELL M-4

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

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-Na₂S₂O₃; Sample preserved with Na₂S₂O₃ to remove chlorine residual.

I (we) certify that this sample was transferred from *David Boyer* to *JE* at (location) *SLB* on

____/____/____:____ and that the statements in this block are correct.

Evidentiary Seals: Not Sealed ☐ Seals Intact: Yes ☒ No ☐Signatures *David Boyer* *James V. Boy*

(we) certify that this sample was transferred from

to _____ at (location) _____ on

____/____/____:____ and that the statements in this block are correct.

Evidentiary Seals: Not Sealed ☐ Seals Intact: Yes ☐ No ☐

Signatures _____

ANALYSES REQUESTED

LAB. No.: ORG-

489

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
		ethers	#
		Dichloromethane	1
		** 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: Kary 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: Kary 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. Meyerheim



STATE OF NEW MEXICO

SCIENTIFIC LABORATORY DIVISION

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

86- 0493-C

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- 1493-17.6

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 ☒ , SOIL ☐ , OTHER ☐

SAMPLE TYPE CODE: | |

COLLECTED:

4/21/86 - 11:30

BY DB

CODE: 8 6 0 4 2 1 1 1 3 0

DATE

TIME

INITIALS

Y Y M M D D H H M M I I

SOURCE:

WELL MW 4

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.)

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-Na₂S₂O₃; Sample preserved with Na₂S₂O₃ to remove chlorine residual.

I (we) certify that this sample was transferred from David Boyer

to TFI at (location) SLB on

____/____/____:____ and that the statements in this block are correct.

Evidentiary Seals: Not Sealed ☐ Seals Intact: Yes ☒ No ☐

Signatures

John TruneyDavid Boyer

(we) certify that this sample was transferred from _____

to _____ at (location) _____ on

____/____/____:____ and that the statements in this block are correct.

Evidentiary Seals: Not Sealed ☐ Seals Intact: Yes ☐ No ☐

Signatures

ANALYSES REQUESTED

LAB. No.: ORG- 493

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:

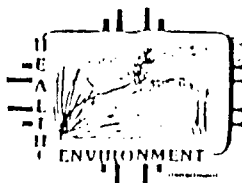
ANALYTICAL RESULTS

COMPOUND	[PPB]	COMPOUND	[PPB]
aromatic hydrocarbons *	none detected		
halogenated hydrocarbons *	none detected		
		* DETECTION LIMIT	/

REMARKS:

CERTIFICATE OF ANALYTICAL PERSONNEL

Seal(s) Intact: Yes ☒ NO ☐ . Seal(s) broken by: Ang C. Eden date: 5/10/86
 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: 5/11/86 . Analyst's signature: Ang 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: R. M. Hays



STATE OF NEW MEXICO

SCIENTIFIC LABORATORY DIVISION

700 Camino de Salud NE

Albuquerque, NM 87106 841-2570

86-60-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

SUBMITTER:

DAVID BOYER

SAMPLE TYPE: WATER ☒, SOIL ☐, OTHER ☐

COLLECTED: 86/01/17-16:50 BY JTB

DATE

TIME

INITIALS

SOURCE: Monitor Well #4

NEAREST CITY:

Flora Vista

LOCATION:

Municipal Well Field

pH= 7; Conductivity= 150 umho/cm at 20 °C; Chlorine Residual= 0.1Dissolved Oxygen= 0.1 mg/l; Alkalinity= 150; Flow Rate= 0.1

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

Bailed 15 times before sampling. Agitated
Swift for sediment removal

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.
☒ P-Ice Sample stored in an ice bath (not frozen).
☐ P-Na₂S₂O₃; Sample preserved with Na₂S₂O₃ 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- 60

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	K.P.		
Lab Air	2 ppm		
halo. purg. screen	none detected		
arom. purg. screen	none detected		
		⊙ DETECTION LIMIT	1 ppb
		⊙ DETECTION LIMIT	3 ppb
		* DETECTION LIMIT	2 ppm

REMARKS:

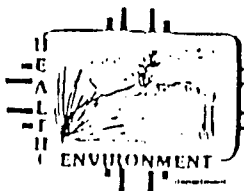
CERTIFICATE OF ANALYTICAL PERSONNEL

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: G. J. [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]



STATE OF NEW MEXICO

SCIENTIFIC LABORATORY DIVISION

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

85-1007-C

REPORT TO:

DAVID G. BOYER

PLEASE PRINT

NEW MEXICO OIL CONSERVATION DIV.

P.O. BOX 2088

SANTA FE, NM 87501

S.L.D. No.: OR-

DATE REC. :

SLD PRIORITY #:

PHONE(S):

827-5812

USER CODE: 8 2 2 3 5

SUBMITTER:

David Boyer

SUBMITTER CODE: | | | |

SAMPLE TYPE: WATER ☒, SOIL ☐, OTHER ☐

SAMPLE TYPE CODE: | |

COLLECTED: 85/09/21 - 14:10 BY AYB

CODE: | | | | | | | | | | | | | | | |

SOURCE: Flora Vista Monwell #4

CODE: | | | | | | | | | | | | | | | |

NEAREST CITY: Flora Vista

CODE: | | | | |

LOCATION:

CODE: | | | | | | | | | | | | | | | |

pH= ; Conductivity= umho/cm at °C; Chlorine Residual=

Dissolved Oxygen= mg/l; Alkalinity= ; Flow Rate=

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

Sampled at 20 bails, little water
Depth to water, 3.468 ft

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 CarriedThis 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-Na₂S₂O₃: Sample preserved with Na₂S₂O₃ 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-1007

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
		<i>Benzene etc</i>			

REMARKS :

ANALYTICAL RESULTS

COMPOUND	[PPB]	COMPOUND	[PPB]
halo. purg. screen	none detected		
toluene	4		
		* DETECTION LIMIT	2 ug/ml

REMARKS: A small quantity of an early eluting compound was detected by the aromatic screen that was not identified but is likely an unsaturated hydrocarbon with a smaller mass than Lemene.

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: 30 Sept & 1 Oct 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]



STATE OF NEW MEXICO

SCIENTIFIC LABORATORY DIVISION

700 Camino de Salud NE, Albuquerque, New Mexico 87106
(505) 841-2500

0655 -C

REPORT TO: DAVID G. BOYER
NEW MEXICO OIL CONSERVATION DIV.
P.O. BOX 2088
SANTA FE, NM 87501

S.L.D. No.: OR-1055-A-B

DATE REC.: 7/03/85

PHONE 827-5812

USER CODE: 82235

CONTAINERS WHICH ACCOMPANY THIS FORM ARE COLLECTIVELY REFERRED TO AS SAMPLE.

SUBMITTER: NM OIL CONSERVATION DIV CODE

LOCATION: FLORA VISTA CODE

SOURCE: MON. WELL 4 CODE

COLLECTED: 6/28/85 BY EARP/BAILEY CODE

SAMPLE TYPE: WATER SOIL OTHER CODE

NEAREST CITY: FLORA VISTA CODE

TOWNSHIP RANGE SECTION TRACTS

AQUIFER DEPTH

85062808409B
Y Y M M D D H H M M A I I

pH= ; Conductivity= umho/cm at °C; Chlorine Residual=

Dissolved Oxygen= mg/l; Alkalinity= ; Flow Rate=

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

BAILEY MONITOR WELL

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

Method of shipment to the Laboratory Hand Delivered

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- $\text{Na}_2\text{S}_2\text{O}_3$: Sample preserved with $\text{Na}_2\text{S}_2\text{O}_3$ 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- 655

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]
<i>CHCl₃</i>	<i>1 ppb</i>		
<i>Benzene</i>	<i>N.D.*</i>		
<i>Toluene</i>	<i>N.D.</i>		
<i>Ethylbenzene</i>	<i>N.D.</i>		
<i>p-Xylene</i>	<i>N.D.</i>		
<i>m-Xylene</i>	<i>N.D.</i>		
<i>o-Xylene</i>	<i>N.D.</i>		
		* DETECTION LIMIT	<i>1 µg/mL</i>

REMARKS:

One unsaturated hydrocarbon detected at <10 ppb.

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*. 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

LABORATORY

ORG 264 AHB



New Mexico Oil Conservation Division

LAB NUMBER

P. O. Box 2088

Santa Fe, NM 87

85-0264 -C

SLD Users Code No. 82235

Priority 2
Report by 3/29

3-22-85

ALL CONTAINERS WHICH THIS FORM ACCOMPANIES ARE COLLECTIVELY REFERRED TO AS "SAMPLE".

CERTIFICATE OF FIELD PERSONNEL

Sample Type: Water ☒ Soil ☐ OtherWater Supply and/or Code No. Flora Vista Municipal Man Well #4City & County Flora Vista San JuanCollected (date & time) 1400, 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 from pit dug prior to man well installation
No odors noted. Backhoe leaking hydraulic fluid

I certify that the statements in this block accurately reflect the results of my field analyses, observations and activities. Signed David G. BoyerI certify that I witnessed these field analyses, observations and activities and concur with the statements in this block. Signed Philip J. BacaMethod of Shipment to Laboratory Hand CarriedTHIS FORM ACCOMPANIES 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-Na₂O₃S₂: Sample preserved with 3 mg Na₂O₃S₂/40 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)

LAB. No.: ORG- 264

LAB. No.: ORG- 267

QUALITATIVE	QUANTITATIVE	PURGEABLE SCREENS	QUALITATIVE	QUANTITATIVE	EXTRACTABLE SCREENS
		ALIPHATIC HYDROCARBON SCREEN			ALIPHATIC HYDROCARBONS
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
		<i>Benzene etc.</i>			

REMARKS :

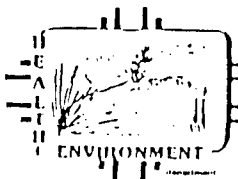
ANALYTICAL RESULTS

COMPOUND	[PPB]	COMPOUND	[PPB]
<i>aromatic purgeables</i>	<i>none detected</i>		
<i>halogenated purgeables</i>	<i>" "</i>		
		* DETECTION LIMIT	<i>100 ppm/l</i>

REMARKS: No purges detected.

CERTIFICATE 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: 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]



STATE OF NEW MEXICO

SCIENTIFIC LABORATORY DIVISION

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

86- 0487-C

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- 487-11B

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 ☒, SOIL ☐, OTHER _____

SAMPLE TYPE CODE: _____

COLLECTED: 4/25/86 - 10:25 BY DR

DATE

TIME

INITIALS

CODE: 8 6 0 4 2 5 1 0 2 5 0 3

Y

Y

M

M

D

D

H

H

M

M

I

I

I

SOURCE:

WELL m5

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

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-Na₂S₂O₃; Sample preserved with Na₂S₂O₃ to remove chlorine residual.

I (we) certify that this sample was transferred from *David Boyer, O.C.D.* 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. Triney**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- 487

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]
<i>aromatic hydrocarbons*</i>		<i>halogenated hydrocarbons** none detected</i>	
<i>ethyl benzene</i>	<i>6</i>		
<i>p-xylene</i>	<i>13</i>		
<i>m-xylene</i>	<i>22</i>		
		<i>** Detection Limit</i>	<i>1</i>
		<i>* DETECTION LIMIT</i>	<i>5</i>

REMARKS: no other purgeables detected. Possible trace of
benzylated transubstituted benzenes.

CERTIFICATE OF ANALYTICAL PERSONNEL

Seal(s) Intact: Yes ☒ NO ☐ . Seal(s) broken by: Gary 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: Gary 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

SCIENTIFIC LABORATORY DIVISION

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

86-0481-C

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-1481-17, B

DATE REC.:

4/20/86

SLD PRIORITY #:

PHONE(S):

827-5812

USER CODE: 8 2 2 3 5

SUBMITTER:

DAVID BOYER

SUBMITTER CODE: | | | | |

SAMPLE TYPE: WATER ☒ , SOIL ☐ , OTHER ☐

SAMPLE TYPE CODE: | | |

COLLECTED:

4/21/86 - 11:15

BY DB

CODE:

8 6 0 4 2 1 1 1 1 5

DATE

TIME

INITIALS

Y Y M M D D H H M M I I I

SOURCE:

WELL MW 5

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.)

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, 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-Na₂S₂O₃; Sample preserved with Na₂S₂O₃ 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.

Evidentiary Seals: Not Sealed ☐ Seals Intact: Yes ☒ No ☐Signatures *J. Finnes* *David Boyer*

(we) certify that this sample was transferred from

to at (location) on

____/____/____ and that the statements in this block are correct.

Evidentiary Seals: Not Sealed ☐ Seals Intact: Yes ☐ No ☐

Signatures

ANALYSES REQUESTED

LAB. No.: ORG-

481

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

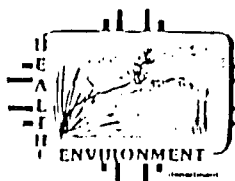
ANALYTICAL RESULTS

COMPOUND	[PPB]	COMPOUND	[PPB]
Aromatic Purgeables	None Detected *		
Halogenated Purgeables	None Detected		
		* DETECTION LIMIT	1 µg/l

REMARKS:

CERTIFICATE OF ANALYTICAL PERSONNEL

Seal(s) Intact: Yes ☒ NO ☐ . Seal(s) broken by: R Meyerhan 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: R Meyerhan
 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 Meyerhan



STATE OF NEW MEXICO

SCIENTIFIC LABORATORY DIVISION

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

84-59-C

REPORT TO:
PLEASE PRINT

DAVID G. BOYER

NEW MEXICO OIL CONSERVATION DIV.

P.O. BOX 2088

SANTA FE, NM 87501

S.L.D. No.: OR- 59-H.B

DATE REC.: 1-27-86

SLD PRIORITY #: 3

PHONE(S):

827-5812

USER CODE: 8 2 2 3 5

SUBMITTER:

D. Boyer

SUBMITTER CODE: | | | | |

SAMPLE TYPE: WATER ☒ SOIL ☐ OTHER

SAMPLE TYPE CODE: | | |

COLLECTED: 860117 17:15 BY DGB

CODE: 86011717152168

SOURCE: Monitor well #5

CODE: | | | | |

NEAREST CITY: Flora Vista

CODE: | | | | |

LOCATION: Municipal Well Field

CODE: | | | | |

pH= -; Conductivity= - umho/cm at - °C; Chlorine Residual= -

Dissolved Oxygen= - mg/l; Alkalinity= -; Flow Rate= -

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

Bailed 15 times before sampling. Agitated first
to remove sedimentI 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-Na₂S₂O₃; Sample preserved with Na₂S₂O₃ 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.

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.

Evidentiary Seals: Not Sealed ☐ Seals Intact: Yes ☐ No ☐

Signatures _____

ANALYSES REQUESTED

LAB. No.: ORG-

59

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	X	Head Space Test			POLYCHLORINATED BIPHENYLS (PCB's)
					POLYNUCLEAR AROMATIC HYDROCARBONS
					TRIAZINE HERBICIDES
		SPECIFIC COMPOUNDS			SPECIFIC COMPOUNDS
REMARKS:					

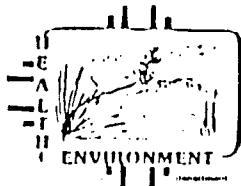
ANALYTICAL RESULTS

COMPOUND	[PPB]	COMPOUND	[PPB]
Methane in headspace	N.D.	Benzene	Trace < 1 ppb
1,2,3,4,5,6-hexachlorocyclohexane	2 ppm	Toluene	Trace < 1 ppb
halo. purg. screen	none detected	Ethylbenzene	none detected
		p-xylene	none detected
		m-xylene	none detected
		o-xylene	none detected
DETECTION LIMIT	1 ppb	DETECTION LIMIT	4 ppb
		* DETECTION LIMIT	2 ppm

REMARKS: Three early eluting compounds were also detected by the aromatic screen, in small quantities, but they were not identified.

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 "102688" 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]



STATE OF NEW MEXICO

SCIENTIFIC LABORATORY DIVISION

700 Camino de Salud NE

Albuquerque, NM 87106 841-2570

85-1110 -C

REPORT TO:

DAVID G. BOYER

PLEASE PRINT

NEW MEXICO OIL CONSERVATION DIV.

P.O. BOX 2088

SANTA FE, NM 87501

S.L.D. No.: OR- 1110

DATE REC.: 10/29/85

SLD PRIORITY #: 2

PHONE(S):

827-5812

USER CODE: 8 2 2 3 5

SUBMITTER:

D. G. BOYER

SUBMITTER CODE: | | | | |

SAMPLE TYPE: WATER ☒, SOIL ☐, OTHER ☐

SAMPLE TYPE CODE: | | |

COLLECTED: 85/10/25-12:50 BY DGB

DATE

TIME

INITIALS

CODE: | | | | | | | | | | | | | | | |

Y Y M M D D H H M M I I I

SOURCE: Monitor Well #5, Flores Vista

CODE: | | | | | | | | | | | | | | | |

AQUIFER DEPTH

NEAREST CITY: Flores Vista

CODE: | | | | |

LOCATION: Municipal Well Field

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.)

Bailed 15 bails (3 casing volumes) with PVC bailer #1

Water level 5.12 feet. Witnessed by Ray Penrod, FV LWA

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

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-Na₂S₂O₃; Sample preserved with Na₂S₂O₃ 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 85/10/29-14:30 and that the statements in this block are correct.

DATE AND TIME

Evidentiary Seals: Not Sealed ☐ Seals Intact: Yes ☒ No ☐

Signatures D. G. Boyer R. F. 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- 1110

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	Heads Space Test			POLYCHLORINATED BIPHENYLS (PCB's)
					POLYNUCLEAR AROMATIC HYDROCARBONS
					TRIAZINE HERBICIDES
		SPECIFIC COMPOUNDS			SPECIFIC COMPOUNDS

REMARKS:

ANALYTICAL RESULTS

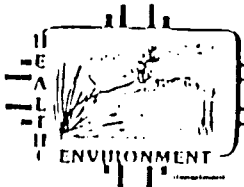
COMPOUND	[PPB]	COMPOUND	[PPB]
halo. purg. screen	none detected		
arom. purg. screen	none detected		
METHANE in headspace	6.1 ppm		
METHANE in Air	0.4 ppm		
METHOD DETECTION LIMIT	0.4 ppm		
		* DETECTION LIMIT	1 µg/mL

REMARKS:

Two compounds were detected by the aromatic screen that were not identified, but appear to be small quantities of each.

CERTIFICATE OF ANALYTICAL PERSONNEL

Seal(s) Intact: Yes X NO . Seal(s) broken by: JK 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: JK Finney CB Berman
 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

85-1012-C

SCIENTIFIC LABORATORY DIVISION

7 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

S.L.D. No.:

OR-

1012 A, B

DATE REC.:

9/23/85

SLD PRIORITY #:

3

PHONE(S):

827-5812

USER CODE:

8 2 2 3 5

SUBMITTER:

DAVID G. BOYER

SUBMITTER CODE:

| | | | |

SAMPLE TYPE: WATER ☒, SOIL ☐, OTHER ☐

SAMPLE TYPE CODE:

| |

COLLECTED:

85/09/21 - 13:35

BY DGB

CODE:

| | | | | | | | | | | | | | | |

Y Y M M D D H H M M I I I I

SOURCE:

Flora Vista Monitor Well # 5

CODE:

| | | | | | | | | | | | | | | |

AQUIFER DEPTH

NEAREST CITY:

Flora Vista

CODE:

| | | | | |

LOCATION:

CODE:

| | | | | | | | | | | | | | | |

TOWNSHIP RANGE SECTION TRACTS

pH=; Conductivity= umho/cm at °C

°C

Chlorine Residual=

Dissolved Oxygen= mg/l

mg/l

Alkalinity=

; Flow Rate=

Flow Rate=

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

Bailed fifty bails
sampled after cleaning on 9/20 with 160 CFM air compressor
at 25 psi. Depth to water 4.510 ft

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

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-Na₂S₂O₃; Sample preserved with Na₂S₂O₃ 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- 1012

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
		Benzene, etc.			

REMARKS:

ANALYTICAL RESULTS

COMPOUND	[PPB]	COMPOUND	[PPB]
halo. purg. screen	none detected		
Benzene	N.D.		
Toluene	2		
ethyl benzene	3		
p-Xylene	2		
m-Xylene	1		
o-Xylene	N.D.		
		* DETECTION LIMIT	2 ug/ml

REMARKS: Trace amounts of other compounds were also detected by the aromatic screen that were not identified.

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: 30 Sept 85. Analyst's signature: R. Timney

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. Meyer



SCIENTIFIC LABORATORY DIVISION

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

SLD PRIORITY #: 2

Signatures

ANALYSES REQUESTED

LAB. No.: ORG- 825

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
α	α	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]
halo. purg. screen	N.D. *		
arom. purg. screen	N.D. *		
Methane in dead space	1256 ppm		
		* DETECTION LIMIT	5 ug/m ³

REMARKS: One compound was detected by aromatic screen that was not identified, but appears to be of significantly large quantity that is likely acetone.

Methane in LAZ Air = 1.3 ppm VOL = 1 ppm

CERTIFICATE OF ANALYTICAL PERSONNEL

Seal(s) Intact: Yes NO X. Seal(s) broken by: 12 Aug 85 JPB 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 85 827/82 Analyst's signature: R. T. Finney C.S. Becker
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. M. [illegible]



STATE OF NEW MEXICO

SCIENTIFIC LABORATORY DIVISION

700 Camino de Salud NE, Albuquerque, New Mexico 87106
(505) 841-2500

0656 -B

REPORT TO: DAVID G. BOYER
NEW MEXICO OIL CONSERVATION DIV
P.O. BOX 2088
SANTA FE, NM 87501

S.L.D. No.: OR- 656-11
DATE REC.: 7/15/85
PHONE 827-5812
USER CODE: 82235

CONTAINERS WHICH ACCOMPANY THIS FORM ARE COLLECTIVELY REFERED TO AS SAMPLE.

SUBMITTER: NM OIL CONSERVATION DIV CODE
LOCATION: FLORA VISTA CODE
SOURCE: MON. WELL 5 CODE
COLLECTED: 6/28/85 BY EARP/BAILEY CODE
SAMPLE TYPE: (WATER) SOIL OTHER CODE
NEAREST CITY: FLORA VISTA CODE

TOWNSHIP				RANGE				SECTION				TRACTS			
AQUIFER								DEPTH							
8	5	0	6	2	8	0	8	1	0	0	3				
Y	Y	M	M	D	D	H	H	M	M	A	I	I			

pH= ; Conductivity= umho/cm at °C; Chlorine Residual=
Dissolved Oxygen= mg/l; Alkalinity= ; Flow Rate=
Sampling Location, Methods and Remarks (i.e. odors, etc.)
BAILED MONITOR WELL

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 1 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-Na₂S₂O₃: Sample preserved with Na₂S₂O₃ 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- 656

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]
CHCl ₃	1 ppb		
Benzene	N.D.*		
Toluene	N.D.		
ethylbenzene	N.D.		
p-xylene	N.D.		
m-xylene	N.D.		
o-xylene	N.D.		
		* DETECTION LIMIT	1 µg/ml

REMARKS: All samples should be submitted in duplicate.
 One unsaturated hydrocarbon detected at <10 ppb

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: 9 July 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

LABORATORY

ORG 262 AYB



New Mexico Oil Conservation Division

LAB NUMBER

P. O. Box 2088

Santa Fe, NM 8750

85-0262-C

Priority 2
Report by 3/24

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, Mon Well #5City & County Flora Vista, San JuanCollected (date & time) 1430, 3/20/85 By (name) Royce/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 from Pit dug prior to mon well installation
Backhoe leaking hydraulic fluid.

I certify that the statements in this block accurately reflect the results of my field analyses, observations and activities. Signed David G. BoyI certify that I witnessed these field analyses, observations and activities and concur with the statements in this block. Signed Philip J. 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-Na₂O₃S₂: Sample preserved with 3 mg Na₂O₃S₂/40 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-262

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
		<i>Benzene etc</i>			

REMARKS:

ANALYTICAL RESULTS

COMPOUND	[PPB]	COMPOUND	[PPB]
<i>aromatic purgeables</i>	<i>none detected</i>		
<i>halogenated purgeables</i>	<i>" "</i>		
		* DETECTION LIMIT	<i>1.0 µg/ml</i>

REMARKS: *No purgeables detected.**

CERTIFICATE 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: *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

LABORATORY

ORG 275 A



New Mexico Oil Conservation Division

LAB NUMBER

3-22-85

P. O. Box 2088

Santa Fe, NM

8750

85-0275-B

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 ☒ OtherWater Supply and/or Code No. Soil Sample From well at Mon Well #5City & County Flora Vista, San JuanCollected (date & time) 1435, 3/20/85 By (name) Boyer/BoeapH= -; Conductivity= - umho/cm at - °C; Chlorine Residual= -Dissolved Oxygen= - mg/l; Alkalinity= -; Flow Rate= -

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

Sample of black oily layer 39-49" deep.
Mason Jar capped with foil

I certify that the statements in this block accurately reflect the results of my field analyses, observations and activities. Signed David G. BoyerI certify that I witnessed these field analyses, observations and activities and concur with the statements in this block. Signed Philip Z. BoeaMethod of Shipment to Laboratory Hand carriedTHIS FORM ACCOMPANIES septom 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 1 other container(s) (describe) Mason jar 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. capped @ foilP-Na₂O₃S₂: Sample preserved with 3 mg Na₂O₃S₂/40 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) -

LAB. No.: ORG-275

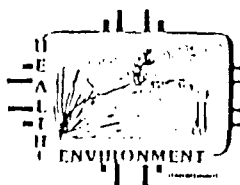
QUALITATIVE		PURGEABLE SCREENS	QUALITATIVE		EXTRACTABLE SCREENS (See Remarks)
		ALIPHATIC HYDROCARBON SCREEN	X	X	ALIPHATIC HYDROCARBONS
		AROMATIC HYDROCARBON SCREEN			CHLORINATED HYDROCARBON PESTICIDES
		HALOGENATED HYDROCARBON SCREEN			CHLOROPHENOXY ACID HERBICIDES
		GAS CHROMATOGRAPH/MASS SPECTROMETER	X	X	HYDROCARBON FUEL SCREEN
					ORGANOPHOSPHATE PESTICIDES
					POLYCHLORINATED BIPHENYLS (PCB's)
					POLYNUCLEAR AROMATIC HYDROCARBONS
					TRIAZINE HERBICIDES
		SPECIFIC COMPOUNDS			SPECIFIC COMPOUNDS
		1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27,28,29,30,31,32,33,34,35,36,37,38,39,40,41,42,43,44,45,46,47,48,49,50,51,52,53,54,55,56,57,58,59,60,61,62,63,64,65,66,67,68,69,70,71,72,73,74,75,76,77,78,79,80,81,82,83,84,85,86,87,88,89,90,91,92,93,94,95,96,97,98,99,100			

REMARKS: ~~Identify~~ if material is from crude hydrocarbon production (if possible) thanks RTR

COMPOUND	[PPB]	COMPOUND	[PPB]
		* DETECTION LIMIT	

REMARKS: No extractable aliphatics detected.

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: 4/17/85. Analyst's signature: J. Kelly
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. M. Egerman



STATE OF NEW MEXICO

SCIENTIFIC LABORATORY DIVISION

700 Camino de Salud NE

Albuquerque, NM 87106 841-2570

86-0490-C

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-490-17.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 ☒, SOIL ☐, OTHER

SAMPLE TYPE CODE: | | |

COLLECTED: 4/23/86 - 10:38 BY DB
DATE TIME INITIALS

CODE: 8 6 1 4 2 5 1 0 3 8 4 3
Y Y M M D D H H M M I I I

SOURCE: WELL SX1

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

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, ☐ 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- $\text{Na}_2\text{S}_2\text{O}_3$; Sample preserved with $\text{Na}_2\text{S}_2\text{O}_3$ to remove chlorine residual.

I (we) certify that this sample was transferred from *April Boyer* to *J.F.* at (location) *SLB* on

/ / - *:* and that the statements in this block are correct.
DATE AND TIME

Evidentiary Seals: Not Sealed ☐ Seals Intact: Yes ☒ No ☐

Signatures *J. Stuenkel* *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- 490

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					

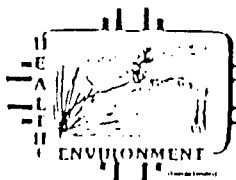
ANALYTICAL RESULTS

COMPOUND	[PPB]	COMPOUND	[PPB]
<i>aromatic hydrocarbons *</i>	<i>none detected</i>	<i>halogenated hydrocarbons **</i>	<i>none detected</i>
		<i>** Detection Limit</i>	<i>1</i>
		<i>* DETECTION LIMIT</i>	<i>1</i>

REMARKS:

CERTIFICATE OF ANALYTICAL PERSONNEL

Seal(s) Intact: Yes ☒ NO ☐ . Seal(s) broken by: *Henry C. Elden* 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: *Henry C. Elden*
 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]*



STATE OF NEW MEXICO

SCIENTIFIC LABORATORY DIVISION

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

86-0482-C

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-1482-14, 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 ☒, SOIL ☐, OTHER ☐

SAMPLE TYPE CODE: | | |

COLLECTED: 4/25/86 - 09:55 BY DB

DATE

TIME

INITIALS

CODE: 8 6 0 4 2 5 0 9 5 5 0 0

Y Y M M D D H H M M I I I

SOURCE:

WELL S-5

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

I certify that the statements in this block accurately reflect the results of my field analyses, observations and activities. *Samuel 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-Na₂S₂O₃; Sample preserved with Na₂S₂O₃ 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. 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- 482

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

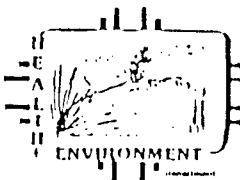
ANALYTICAL RESULTS

COMPOUND	[PPB]	COMPOUND	[PPB]
aromatic hydrocarbons *	on remarks	halogenated hydrocarbons **	
		CH ₂ Cl ₂	18
		Dichloromethane	19
		* DETECTION LIMIT	1

REMARKS: Vial Septum was inverted with rubber side toward sample.
Possible trace of toluene at slightly less than 1ppb.

CERTIFICATE OF ANALYTICAL PERSONNEL

Seal(s) Intact: Yes ☒ NO ☐ . Seal(s) broken by: Mary C. Allen date: 5/8/86
 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: 5/8/86 . Analyst's signature: Mary C. Allen
 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. Meyerheim



STATE OF NEW MEXICO

SCIENTIFIC LABORATORY DIVISION

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

86-0502-C

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-502-1AB

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 ☒ , SOIL ☐ , OTHER ☐

SAMPLE TYPE CODE:

COLLECTED: 4/21/86 12:05 BY RA

DATE

TIME

INITIALS

CODE: 8 6 0 4 2 1 1 2 0 5 1 A A

Y Y M M D D H H M M I I I

SOURCE: WELL S5

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.)

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

Method of shipment to the Laboratory Hand carriedThis 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-Na₂S₂O₃; Sample preserved with Na₂S₂O₃ to remove chlorine residual.I (we) certify that this sample was transferred from David Boyerto JFE at (location) SLB

on

____/____/____: and that the statements in this block are correct.

Evidentiary Seals: Not Sealed ☐ Seals Intact: Yes ☒ No ☐Signatures David Boyer JFE

(we) certify that this sample was transferred from

to _____ at (location) _____ on

____/____/____: and that the statements in this block are correct.

Evidentiary Seals: Not Sealed ☐ Seals Intact: Yes ☐ No ☐

Signatures _____

ANALYSES REQUESTED

LAB. : ORG- 502

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:

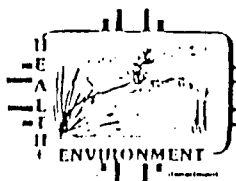
ANALYTICAL RESULTS

COMPOUND	[PPB]	COMPOUND	[PPB]
<i>aromatic hydrocarbons *</i>	<i>none detected</i>	<i>halogenated hydrocarbons</i>	
		<i>chloroform</i>	<i>1</i>
		* DETECTION LIMIT	<i>1</i>

REMARKS:

CERTIFICATE OF ANALYTICAL PERSONNEL

Seal(s) Intact: Yes ☒ NO ☐ . Seal(s) broken by: *Harry C. Eden* date: *5/10/84*
 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: *5/10/84* . Analyst's signature: *Harry 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: *R. Meyer*



STATE OF NEW MEXICO

86-54-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 87501

S.L.D. No.: OR-54-A.BDATE REC.: 1-27-86SLD PRIORITY #: 3PHONE(S): 827-5812USER CODE: 8|2|2|3|5|SUBMITTER: DAVID BOYERSUBMITTER CODE: | | | | |SAMPLE TYPE: WATER ☐, SOIL ☐, OTHER ☐SAMPLE TYPE CODE: | | |COLLECTED: 86/01/17-18:55 BY DGB
DATE TIME INITIALSCODE: 8601171855DGB
Y Y M M D D H H M M I I ISOURCE: Supply Well #5CODE: | | | | | | | | | | |
AQUIFER DEPTHNEAREST CITY: Flora VistaCODE: | | | | | |LOCATION: Municipal Well FieldCODE: | | | | | | | | | | |
TOWNSHIP RANGE SECTION TRACTSpH= ; Conductivity= umho/cm at °C; Chlorine Residual= Dissolved Oxygen= mg/l; Alkalinity= ; Flow Rate=

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

Bailed 20 times from open well.

Note: 1 Sample vial leaked into baggie, use 2nd for analysis
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 BaileyThis 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). Ice water may have leaked
☐ P- $\text{Na}_2\text{S}_2\text{O}_3$: Sample preserved with $\text{Na}_2\text{S}_2\text{O}_3$ to remove chlorine residual. back into Leaky Vial

I (we) certify that this sample was transferred from
to at (location) on

 / / : 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

 / / : and that the statements in this block are correct.Evidentiary Seals: Not Sealed ☐ Seals Intact: Yes ☐ No ☐Signatures

ANALYSES REQUESTED

LAB. No.: ORG- 54

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	X	Headspace Test			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.	Benzene	Trace < 1 ppb
LAB AIR	2 ppm	Toluene	2
halo. purg. screen	none detected	ethylbenzene	none detected
		p-xylene	none detected
		m-xylene	Trace < 1 ppb
		o-xylene	none detected
DETECTION LIMIT	1 ppb	DETECTION LIMIT	5 ppb
		* DETECTION LIMIT	2 ppm

REMARKS:

Trace quantities of two other compounds were detected by the aromatic screen that were not identified.

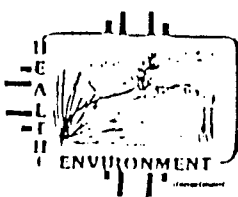
CERTIFICATE OF ANALYTICAL PERSONNEL

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: 2/8/86 " 4/10/86. Analyst's signature: James J. 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: K. Meyerheim



STATE OF NEW MEXICO

SCIENTIFIC LABORATORY DIVISION

700 Camino de Salud NE

Albuquerque, NM 87106 841-2570

85-1114-C

REPORT TO:

DAVID G. BOYER

PLEASE PRINT

NEW MEXICO OIL CONSERVATION DIV.

P.O. BOX 2088

SANTA FE, NM 87501

S.L.D. No.: OR-1114

DATE REC.: 10/29/85

SLD PRIORITY #: 2

PHONE(S):

827-5812

USER CODE: 82235

SUBMITTER:

D. G. BOYER

SUBMITTER CODE: | | | |

SAMPLE TYPE: WATER ☒, SOIL ☐, OTHER ☐

SAMPLE TYPE CODE: | |

COLLECTED: 85/10/25-13:15 BY DGB

CODE: | | | | | | | | | | | | | | | |

Y Y M M D D H H M M I I I

SOURCE: Water Supply Well # 2

CODE: | | | | | | | | | | | | | | | |

AQUIFER DEPTH

NEAREST CITY: FLORES VISTA

CODE: | | | | | | | |

LOCATION: Municipal Well Field

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.)

Well offline, bailed 20 bails with PVC bailer #1

Water level 6.34 feet. Witnessed by Ray Penrod, FVWUA

* Survey Point 14 New S5

I certify that the statements in this block accurately reflect the results

of my field analyses, observations and activities.

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-Na₂S₂O₃; Sample preserved with Na₂S₂O₃ 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

85/10/29-14:30 and that the statements in this block are correct.

DATE AND TIME

Evidentiary Seals: Not Sealed ☐ Seals Intact: Yes ☒ No ☐

Signatures D. G. Boyer R. F. Meyerhein

(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- 1114

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
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	AROMATIC HYDROCARBON SCREEN			CHLORINATED HYDROCARBON PESTICIDES
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	HALOGENATED HYDROCARBON SCREEN			CHLOROPHENOXY ACID HERBICIDES
		GAS CHROMATOGRAPH/MASS SPECTROMETER			HYDROCARBON FUEL SCREEN
					ORGANOPHOSPHATE PESTICIDES
	<input checked="" type="checkbox"/>	Head Space Test			POLYCHLORINATED BIPHENYLS (PCB's)
					POLYNUCLEAR AROMATIC HYDROCARBONS
					TRIAZINE HERBICIDES
		SPECIFIC COMPOUNDS			SPECIFIC COMPOUNDS

REMARKS:

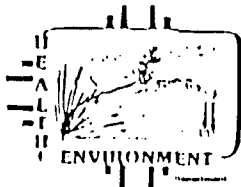
ANALYTICAL RESULTS

COMPOUND	[PPB]	COMPOUND	[PPB]
halo. purg. screen	none detected	Methane in head space	1.8 ppm
Benzene	none detected	Methane in Air	0.4 ppm
Toluene	Trace < 1ppb	METHOD DETECTION LEVEL	0.4 ppm
Ethylbenzene	Trace < 1ppb		
p-Xylene	none detected		
m-Xylene	Trace < 1ppb		
O-Xylene	Trace < 1ppb		
		* DETECTION LIMIT	1 ppm

REMARKS:

CERTIFICATE OF ANALYTICAL PERSONNEL

Seal(s) Intact: Yes ☒ NO ☐ . Seal(s) broken by: Al 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: Al 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: T. Meyer



STATE OF NEW MEXICO

SCIENTIFIC LABORATORY DIVISION

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

85-1009-C

REPORT TO: DAVID G. BOYER
PLEASE PRINT
NEW MEXICO OIL CONSERVATION DIV.
P.O. BOX 2088
SANTA FE, NM 87501

S.L.D. No.: OR- 1009A,B
DATE REC.: 9/23/85
SLD PRIORITY #: 3

PHONE(S): 827-5812

USER CODE: 82235

SUBMITTER: David G. Boyer

SUBMITTER CODE:

SAMPLE TYPE: WATER ☒, SOIL ☐, OTHER ☐

SAMPLE TYPE CODE:

COLLECTED: 85/09/21 - 12:55 BY AGB
DATE TIME INITIALS

CODE:
Y Y M M D D H H M M I I I

SOURCE: Flora Vista Supply well #2

CODE:
AQUIFER DEPTH

NEAREST CITY: Flora Vista

CODE:

LOCATION: * Survey Pt 14 1/6/86 now
AGB SS

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.) Railed 20 bails

Sample from well previously cleaned on 9/15/85 by
use of 160 CFM air compressor at 55 psi. Depth 8 water
5.925 ft (well open to air, 10" diameter)

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- $\text{Na}_2\text{S}_2\text{O}_3$; Sample preserved with $\text{Na}_2\text{S}_2\text{O}_3$ 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- 1009

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]
halo. purg. screen	none detected		
benzene	none detected		
toluene	3		
ethylbenzene	2		
p-xylene	1		
m-xylene	4		
o-xylene	3		
		* DETECTION LIMIT	2 ug/ml

REMARKS: Five other compounds were detected by the aromatic screen that were not identified.

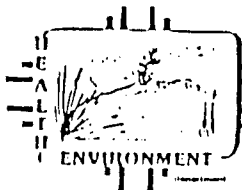
CERTIFICATE OF ANALYTICAL PERSONNEL

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: 30 Sept 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]



STATE OF NEW MEXICO

85-1008-C

SCIENTIFIC LABORATORY DIVISION

7 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

S.L.D. No.: OR- 1008 A, BDATE REC.: 9/23/85

SLD PRIORITY #: _____

PHONE(S):

827-5812

USER CODE: 8 2 2 3 5

SUBMITTER:

DAVID BOYERSUBMITTER CODE: SAMPLE TYPE: WATER ☒, SOIL ☐, OTHER _____SAMPLE TYPE CODE: COLLECTED: 85/09/20 - 14:15 BY DBCODE:
Y Y M M D D H H M M I I ISOURCE: Flora Vista Supplywell #5 *CODE:
AQUIFER DEPTHNEAREST CITY: Flora VistaCODE: LOCATION: * Survey PT 14 Now \$5000CODE:
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.)

Sampled after cleaning with 160 cfm air compressor at 25 psiI certify that the statements in this block accurately reflect the results of my field analyses, observations and activities. David G. BoyerMethod of shipment to the Laboratory Hand carriedThis 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-Na₂S₂O₃; Sample preserved with Na₂S₂O₃ 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-1008

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
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	AROMATIC HYDROCARBON SCREEN			CHLORINATED HYDROCARBON PESTICIDES
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	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
		<i>Benzene, etc</i>			

REMARKS:

ANALYTICAL RESULTS

COMPOUND	[PPB]	COMPOUND	[PPB]
<i>halo. purg. screen</i>	<i>none detected</i>		
<i>benzene</i>	<i>none detected</i>		
<i>toluene</i>	<i>3</i>		
<i>ethylbenzene</i>	<i>2</i>		
<i>p-xylene</i>	<i>2</i>		
<i>m-xylene</i>	<i>4</i>		
<i>o-xylene</i>	<i>5</i>		
		* DETECTION LIMIT	<i>2 ug/ml</i>

REMARKS: *Small quantities of five other compounds were also detected by the aromatic screen but they were not identified.*

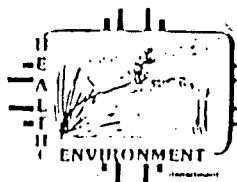
CERTIFICATE OF ANALYTICAL PERSONNEL

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: *30 Sept 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]*



STATE OF NEW MEXICO

SCIENTIFIC LABORATORY DIVISION

85-0822-C

30 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

S.L.D. No.:

OR-

822-AB

DATE REC.:

8/9/85

SLD PRIORITY #:

2

PHONE(S):

827-5812

USER CODE:

8 2 2 3 5

SUBMITTER:

DAVID BOYER

SUBMITTER CODE:

| | | | |

SAMPLE TYPE: WATER ☒, SOIL ☐, OTHER

SAMPLE TYPE CODE:

| | |

COLLECTED: 8/5/85-17:15 BY JB/PB

DATE

TIME

INITIALS

CODE: 8 5 0 8 0 5 1 7 1 5

Y

Y

M

M

D

D

H

H

M

M

I

I

SOURCE: FLORA VISTA MUNICIPAL WELL #5

CODE: | | | | |

AQUIFER

DEPTH

NEAREST CITY: FLORA VISTA

CODE: | | | | |

LOCATION: Survey Pt #14, Row #5

CODE: | | | | |

TOWNSHIP RANGE SECTION TRACTS

pH=; Conductivity= 420 umho/cm at 20 °C; Chlorine Residual=

Dissolved Oxygen= mg/l; Alkalinity=; Flow Rate=

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

SWAMPY ODOOR. WELL T.O. 23'6" DEPTH TO WATER 6'5". WATER
DEPTH 17'1". FROM CASING I.D. 10.5" VOLUME BAILED: 43 GAL.
COLLECTED IN PVC BAILER. THIS WELL WAS SHUTDOWN + LEFT
UNCOVERED APPROX. 1 MONTH AGO

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 carriedThis form accompanies 2 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-Na₂S₂O₃; Sample preserved with Na₂S₂O₃ 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 D. BacaJ. Tuiney

(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-822

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
α	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]
arom. purg. screen	N.D.*		
halo. purg. screen	N.D.*		
mercuric in dist. gas	= LAB A. r.		
		* DETECTION LIMIT	2 ug/m ³

REMARKS: *No burgables detected **

LAB A.1 = 1.3 ppm CH₄

MDC = 1 ppm CHL

CERTIFICATE OF ANALYTICAL PERSONNEL

Seal(s) Intact: Yes X NO . Seal(s) broken by: 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: 2 Aug 85 8/27/85. 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

LABORATORY ORG 268 A4B

New Mexico Oil Conservation Division

P. O. Box 2088

Santa Fe, NM 8750

85-0268-C

LAB NUMBER

3-22-85

Priority 2
Report by 3/29

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 ☐ OtherWater Supply and/or Code No. Flora Vista Mun. Supply Well #5*City & County Flora Vista, San Juan Co.Collected (date & time) 1555, 3/22/85 By (name) Boyer/BacapH= —; Conductivity= 610 umho/cm at 11 °C; Chlorine Residual= —Dissolved Oxygen= — mg/l; Alkalinity= —; Flow Rate= ~100 gpm

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

*Pumphouse spigot, other wells off. no odors
This well nearest previously contam. well*

I certify that the statements in this block accurately reflect the results of my field analyses, observations and activities. Signed David G. BoyerI certify that I witnessed these field analyses, observations and activities and concur with the statements in this block. Signed Philip J. BacaMethod of Shipment to Laboratory Hand-carriedTHIS 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-Na₂O₃S₂: Sample preserved with 3 mg Na₂O₃S₂/40 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) —

** Survey PT #14, now S#5 1/6/86 A&B*

LAB. No.: ORG- 268

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
		<i>Benzene, etc.</i>			

ANALYTICAL RESULTS

COMPOUND	[PPB]	COMPOUND	[PPB]
aromatic purgeables	none detected		
halogenated purgeables	"		
		* DETECTION LIMIT	1.0 ug/m ³

REMARKS: No purgeables detected. *

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]