

District I

P.O. Box 1980, Hobbs, NM

District II

P.O. Drawer, Artesia, NM 88211

District III

1000 Rio Brazos Rd. Aztec, NM 87410

State Of New Mexico

Energy, Minerals and Natural Resources Department

## OIL CONSERVATION DIVISION

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

SUBMIT 1 COPY TO

APPROPRIATE

DISTRICT OFFICE

AND 1 COPY TO

SANTA FE OFFICE

(Revised 3/9/94)

## PIT REMEDIATION AND CLOSURE REPORT

Operator: Conoco Inc. Telephone: 505-324-5837Address: 3315 Bloomfield Hwy - Farmington, NM 87401Facility Or: Chacon Federal #6

Well Name

Location: Unit or Qtr/Qtr Sec Unit D Sec 20 T 24N R 3W County Rio Arriba

Pit Type: Separator X Dehydrator OtherLand Type: BLM X State Fee OtherPit Location: Pit dimension: length 24' width 23' depth 4'  
(Attach diagram)Reference: wellhead X otherFootage from reference: 120'Direction from reference: 140 Degrees X East of North  
West X South

Depth To Ground Water:

(Vertical distance from  
contaminants to seasonal  
high water elevation of  
ground water)Less than 50 feet (20 points)  
50 feet to 99 feet (10 points)  
Greater than 100 feet ( 0 points)Total 0

Wellhead Protection Area:

(Less than 200 feet from a private  
domestic water source, or; less than  
1000 feet from all other water sources)Yes (20 points)  
No ( 0 points)Total 0

Distance To Surface Water:

(Horizontal distance to perennial  
lakes, ponds, rivers, streams, creeks,  
irrigation canals and ditches)Less than 200 feet (20 points) (20 points)  
200 feet to 1000 feet (10 points) (10 points)  
Greater than 1000 feet ( 0 points) ( 0 points)Total 0RANKING SCORE (TOTAL POINTS): 0

|                                                                                                         |                                           |                       |                                     |
|---------------------------------------------------------------------------------------------------------|-------------------------------------------|-----------------------|-------------------------------------|
| Date Remediation Started:                                                                               | No Remediation Necessary                  | Date Completed:       | N/A                                 |
| Remediation Method:<br>(Check all appropriate sections)                                                 | Excavation:                               | Approx. cubic yards   |                                     |
|                                                                                                         | Landfarm                                  | Insitu Bioremediation |                                     |
|                                                                                                         | Other                                     |                       |                                     |
| Remediation Location:<br>(ie. landfarmed onsite,<br>name and location of<br>offsite facility)           | Onsite                                    | Offsite               |                                     |
| General Description Of Remedial Action:                                                                 |                                           |                       |                                     |
|                                                                                                         |                                           |                       |                                     |
|                                                                                                         |                                           |                       |                                     |
|                                                                                                         |                                           |                       |                                     |
|                                                                                                         |                                           |                       |                                     |
|                                                                                                         |                                           |                       |                                     |
| Ground Water Encountered:                                                                               | No                                        | X                     | Yes Depth                           |
| Final Pit:                                                                                              | Sample location Center of Pit Bottom      |                       |                                     |
| Closure Sampling:                                                                                       | Composite Sample of Pit Sides             |                       |                                     |
| (if multiple samples<br>attach sample results<br>and diagram of sample<br>locations and depths)         | Sample depth 3'                           |                       |                                     |
|                                                                                                         | Sample date 4/11/2002 Sample time 2:00 PM |                       |                                     |
|                                                                                                         | Sample Results                            |                       |                                     |
|                                                                                                         | Benzene (ppm)                             | 0.0922                |                                     |
|                                                                                                         | Total BTEX (ppm)                          | 1                     |                                     |
|                                                                                                         | Field headspace (ppm)                     | N/A                   |                                     |
|                                                                                                         | TPH                                       | 2,740                 |                                     |
| Ground Water Sample:                                                                                    | Yes                                       | No                    | X (If yes, attach sample results)   |
| I HEREBY CERTIFY THAT THE INFORMATION ABOVE IS TRUE AND COMPLETE TO THE BEST OF MY KNOWLEDGE AND BELIEF |                                           |                       |                                     |
| DATE                                                                                                    | 5/21/2003                                 |                       | PRINTED NAME John E. Cofer          |
| SIGNATURE                                                                                               |                                           |                       | AND TITLE Environmental Coordinator |

# ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER ENVIRONMENT

## EPA METHOD 8021 AROMATIC VOLATILE ORGANICS

|                    |                |                     |               |
|--------------------|----------------|---------------------|---------------|
| Client:            | Conoco, Inc    | Project #:          | 97070-003-457 |
| Sample ID:         | Bottom Sep Pit | Date Reported:      | 04-18-02      |
| Laboratory Number: | 22553          | Date Sampled:       | 04-11-02      |
| Chain of Custody:  | 7849           | Date Received:      | 04-16-02      |
| Sample Matrix:     | Soil           | Date Analyzed:      | 04-18-02      |
| Preservative:      | Cool           | Date Extracted:     | 04-16-02      |
| Condition:         | Cool & Intact  | Analysis Requested: | BTEX          |

| Parameter    | Concentration<br>(ug/Kg) | Det.<br>Limit<br>(ug/Kg) |
|--------------|--------------------------|--------------------------|
| Benzene      | 92.2                     | 1.8                      |
| Toluene      | 149                      | 1.7                      |
| Ethylbenzene | 72.6                     | 1.5                      |
| p,m-Xylene   | 497                      | 2.2                      |
| o-Xylene     | 189                      | 1.0                      |
| Total BTEX   | 1,000                    |                          |

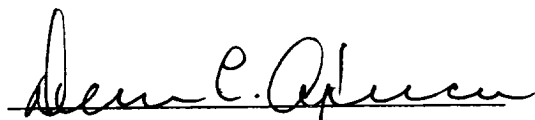
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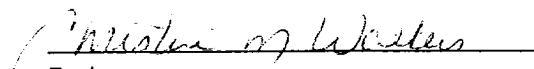
| Surrogate Recoveries: | Parameter           | Percent Recovery |
|-----------------------|---------------------|------------------|
|                       | Fluorobenzene       | 99 %             |
|                       | 1,4-difluorobenzene | 99 %             |
|                       | Bromochlorobenzene  | 100 %            |

References: Method 5030B, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Method 8021B, Aromatic Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Comments: Chacon Fed 6 120' from well head south east from it.

  
Analyst

  
Review

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PRACTICAL SOLUTIONS FOR A BETTER ENVIRONMENT

## EPA METHOD 8021 AROMATIC VOLATILE ORGANICS

|                    |               |                     |               |
|--------------------|---------------|---------------------|---------------|
| Client:            | Conoco, Inc   | Project #:          | 97070-003-457 |
| Sample ID:         | Side Walls    | Date Reported:      | 04-18-02      |
| Laboratory Number: | 22554         | Date Sampled:       | 04-11-02      |
| Chain of Custody:  | 7849          | Date Received:      | 04-16-02      |
| Sample Matrix:     | Soil          | Date Analyzed:      | 04-18-02      |
| Preservative:      | Cool          | Date Extracted:     | 04-16-02      |
| Condition:         | Cool & Intact | Analysis Requested: | BTEX          |

| Parameter    | Concentration<br>(ug/Kg) | Det.<br>Limit<br>(ug/Kg) |
|--------------|--------------------------|--------------------------|
| Benzene      | 2.7                      | 1.8                      |
| Toluene      | 8.5                      | 1.7                      |
| Ethylbenzene | ND                       | 1.5                      |
| p,m-Xylene   | 13.1                     | 2.2                      |
| o-Xylene     | 10.9                     | 1.0                      |
| Total BTEX   | 35.2                     |                          |

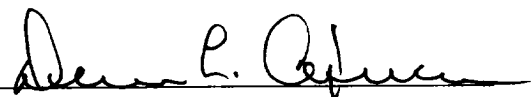
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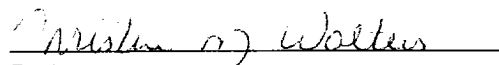
| Surrogate Recoveries: | Parameter           | Percent Recovery |
|-----------------------|---------------------|------------------|
|                       | Fluorobenzene       | 99 %             |
|                       | 1,4-difluorobenzene | 99 %             |
|                       | Bromochlorobenzene  | 101 %            |

References: Method 5030B, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Method 8021B, Aromatic Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Comments: Chacon Fed 6 120' from well head south east from it.

  
Analyst

  
Review

# ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER ENVIRONMENT

## EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

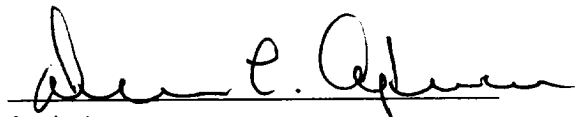
|                      |                 |                     |               |
|----------------------|-----------------|---------------------|---------------|
| Client:              | Conoco, Inc.    | Project #:          | 97070-003-457 |
| Sample ID:           | Bottom Sep Pit  | Date Reported:      | 04-18-02      |
| Laboratory Number:   | 22553           | Date Sampled:       | 04-11-02      |
| Chain of Custody No: | 7849            | Date Received:      | 04-16-02      |
| Sample Matrix:       | Soil            | Date Extracted:     | 04-16-02      |
| Preservative:        | Cool            | Date Analyzed:      | 04-18-02      |
| Condition:           | Cool and Intact | Analysis Requested: | 8015 TPH      |

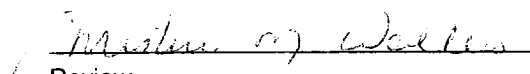
| Parameter                    | Concentration<br>(mg/Kg) | Det.<br>Limit<br>(mg/Kg) |
|------------------------------|--------------------------|--------------------------|
| Gasoline Range (C5 - C10)    | 274                      | 0.2                      |
| Diesel Range (C10 - C28)     | 2,470                    | 0.1                      |
| Total Petroleum Hydrocarbons | 2,740                    | 0.2                      |

ND - Parameter not detected at the stated detection limit.

References: Method 8015B, Nonhalogenated Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Comments: Chacon Fed 6 120' from well head south east from it.

  
Analyst

  
Review

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PRACTICAL SOLUTIONS FOR A BETTER ENVIRONMENT

## EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

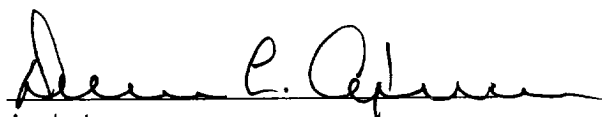
|                      |                 |                     |               |
|----------------------|-----------------|---------------------|---------------|
| Client:              | Conoco, Inc.    | Project #:          | 97070-003-457 |
| Sample ID:           | Side Walls      | Date Reported:      | 04-18-02      |
| Laboratory Number:   | 22554           | Date Sampled:       | 04-11-02      |
| Chain of Custody No: | 7849            | Date Received:      | 04-16-02      |
| Sample Matrix:       | Soil            | Date Extracted:     | 04-16-02      |
| Preservative:        | Cool            | Date Analyzed:      | 04-18-02      |
| Condition:           | Cool and Intact | Analysis Requested: | 8015 TPH      |

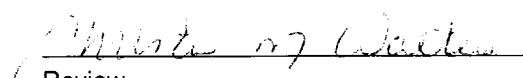
| Parameter                    | Concentration<br>(mg/Kg) | Det.<br>Limit<br>(mg/Kg) |
|------------------------------|--------------------------|--------------------------|
| Gasoline Range (C5 - C10)    | ND                       | 0.2                      |
| Diesel Range (C10 - C28)     | ND                       | 0.1                      |
| Total Petroleum Hydrocarbons | ND                       | 0.2                      |

ND - Parameter not detected at the stated detection limit.

References: Method 8015B, Nonhalogenated Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Comments: Chacon Fed 6 120' from well head south east from it.

  
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7849

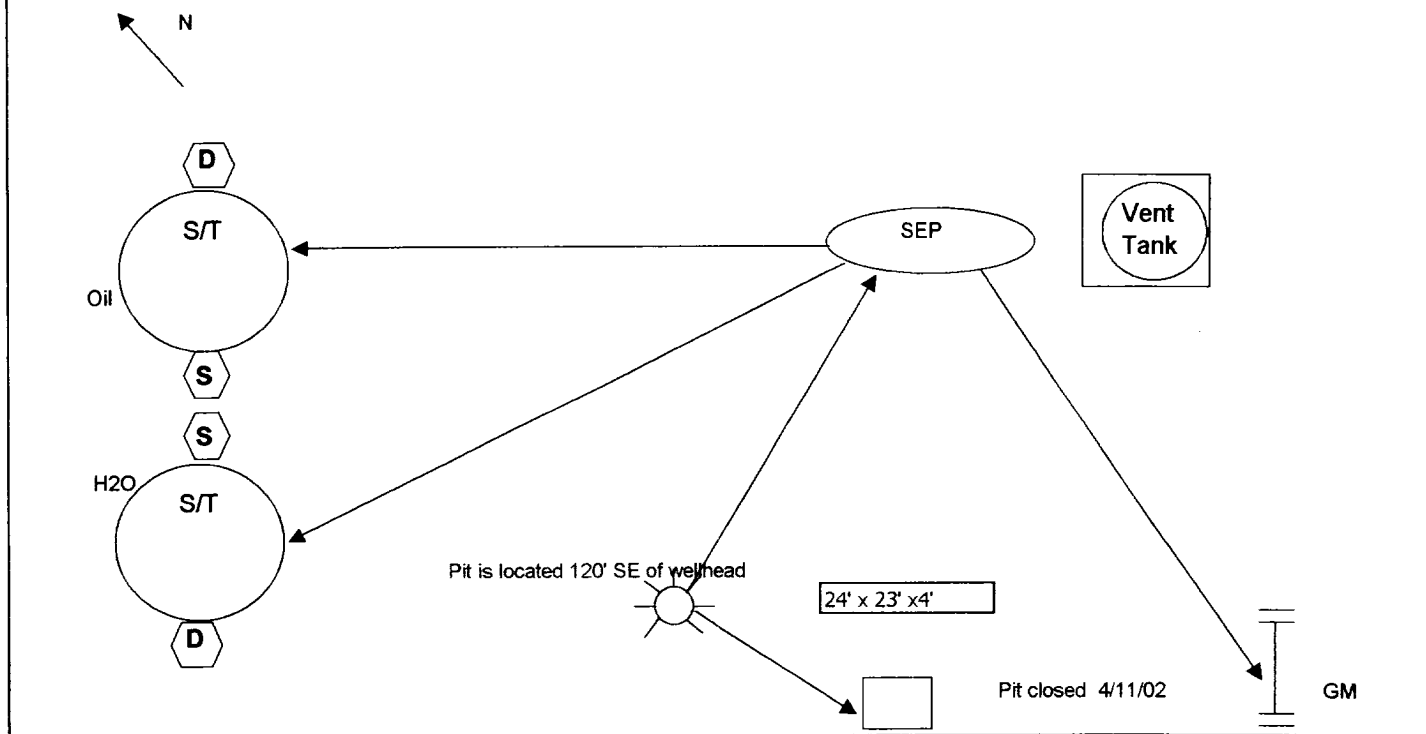
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Lease Name: Chacon Federal #6

Operator: CONOCO INC.

Date: 06/21/01

Site Security  
(Indicate North)



Lease Name: Chacon Federal #6

Federal/ Indian Lease No: NM02402

CA No.:

Unit : D

Legal Description: S20 T24N R3W

County: Rio Arriba

Load line valves :  
Sealed during Production

Drain line valves :  
Sealed during Production

Production Line valve:  
Sealed during sales

This lease is subject to the site security plan for  
San Juan Basin Operations. The plan is located at:  
Conoco Inc.  
3315 Bloomfield Hwy  
Farmington, NM