OK 12/16/04

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Submit 1 copy to appropriate District Office and 1 copy to the Santa Fe Office

(Revised 3/9/94)

# PIT REMEDIATION AND CLOSURE REPORT

Operator: ConocoPhillips Telephone: 505-599-3400

Address: 5525 US Highway 64, Farmington, NM 87401

Facility Or: SJ 29-6 # 54 30-045-07695
Well Name

Location: Unit or Qtr/Qtr Sec K Sec 04 T 29 N R 6 W County Rio Arriba

Pit Type: Separator X Dehydrator _____ Other _____

Land Type: BLM _____, State _____, Fee X Other _____

Pit Location: Pit dimmensions: length 15-ft, width 25-ft, depth 3-ft
(Attach diagram)

Reference: wellhead _____, other Longitude and Latitude

**Wellhead**: Longitude: -107.4719 Latitude: 36.75234

**Pit:** Longitude: -107.47201 Latitude: 36.75259

| | | |
|---|---|---|
| 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) 10 |
| 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) 0 |
| Distance To Surface Water: (Horizontal distance to perennial lakes, ponds, rivers, streams, creeks, irrigation canals and ditches.) | Less than 200 feet | (20 points) |
| | 200 feet to 1000 feet | (10 points) |
| | Greater than 1000 feet | ( 0 points) 10 |

RANKING SCORE (TOTAL POINTS): 20

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DIST. 3

Date Remediation Started: 11/19/04 Date completed: 11/19/04

Remediation Method: (Check all appropriate sections.) Excavation X Approx. cubic yards 278

Landfarmed _____ Insitu Bioremediation _____

Other Pit was excavated and all excavated soils were transported to Envirotech Landfarm

Remediation Location: (i.e. landfarmed onsite, name and location of offsite facility) Onsite _____ Offsite Envirotech Landfarm

General Description of Remedial Action:

The pit was sampled in accordance with NMOCD guidelines

Ground Water Encountered: No X Yes _____ Depth _____

Final Pit: Closure Sampling: (if multiple samples, attach sample results and diagram of sample locations and depths)

Sample location Soil sample collected from center of pit and side walls

Sample depth 10-12-feet below pit bottom & 8-10-ft along walls

Sample Date 11/19/04 Sample time 14:40 & 15:10

Sample Results

| | Pit Bottom | Side Walls |
|---|---|---|
| Benzene(ppm) | 0.192 | non-detect |
| Total BTEX(ppm) | 0.436 | non-detect |
| Field headspace(ppm) | N/A | N/A |
| TPH | 7.6 ppm | non-detect |

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 12/3/04

Signature

Printed Name and Title Larry Trujillo, Sr. Environmental Technician

Client: ConocoPhillips

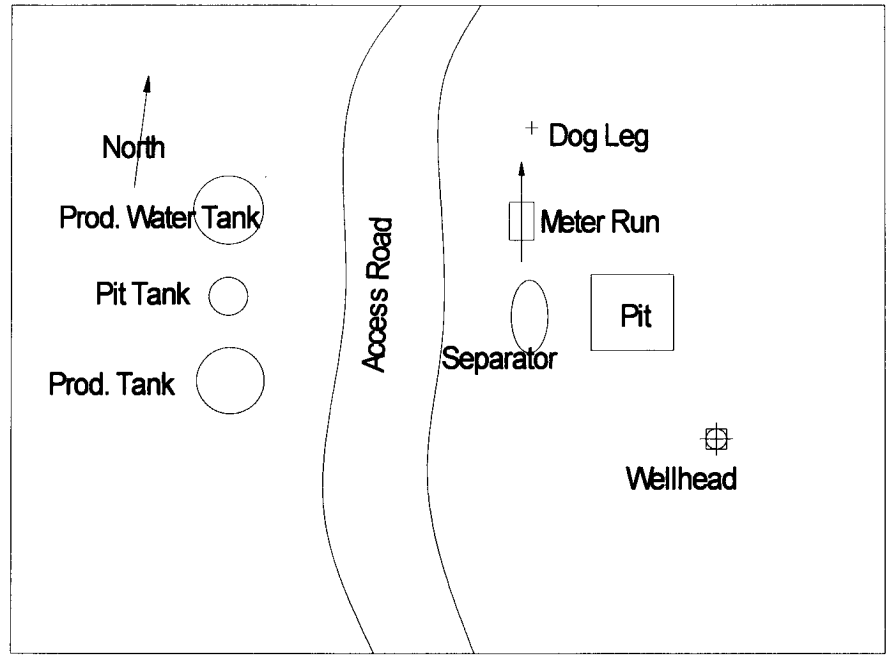
Date Began:11/18/04 Date End:11/19/04

| | |
|---|---|
| **Location:** | SJ 29-6 # 54 |
| Footages: | 1800' FSL & 1550' FWL |
| Unit Letter: K | Sec. 4 Twn. 29N Rng 6W |
| Latitude: N 36 degrees 45.1' | Longitude: W 107degrees28.3' |
| Lease Num. | Land Type: Fee |
| **Pit Type:** | Dehy/Separator |
| **Pit Reference** | |
| Reference: Wellhead | Footage: 99-ft |
| Direction: N or S | 45 Degrees E or W |
| Initial size: | 15' X 25' X 3' in depth |
| Final Size: | 24' X 36' X 10' in depth |
| **Total Cubic Yards:** | 278 |

| | |
|---|---|
| **Distanes from (ft):** | |
| Groundwater: | 10 |
| Wellhead Protection Area: | 0 |
| Nearest Surface Water: | 10 |
| Distance to ephemeral stream: | N/A |
| (Navajo/Jicarilla only) | |
| **Ranking Score (points):** | **20** |

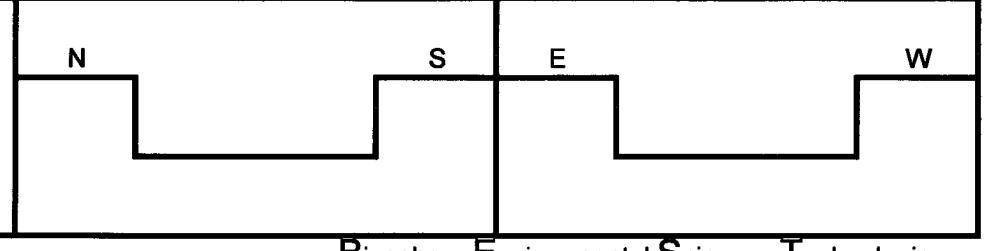
| Sample ID | Description | | OVM Reading |
|---|---|---|---|
| 1 | Btm @ 10-12' | | 585 ppm |
| 2 | walls @ 8-10' | | 655 ppm |
| 3 | | | |
| 4 | | | |
| 5 | | | |
| 6 | | | |
| 7 | | | |
| 8 | | | |
| 9 | | | |
| 10 | | | |

Site Diagram:




Not to Scale

Comments:
Soil is clayey loam. Hydrocarbon odor throughout excavation, minimizing towards end.




Prepared by: F. McDonald

Biosphere Environmental Sciences Technologies

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

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

| | | | |
|---|---|---|---|
| Client: | ConocoPhillips | Project #: | 96052-026-120 |
| Sample ID: | Btm @ 10-12 Ft. | Date Reported: | 11-23-04 |
| Laboratory Number: | 31294 | Date Sampled: | 11-19-04 |
| Chain of Custody No: | 13307 | Date Received: | 11-22-04 |
| Sample Matrix: | Soil | Date Extracted: | 11-22-04 |
| Preservative: | Cool | Date Analyzed: | 11-23-04 |
| Condition: | Cool and Intact | Analysis Requested: | 8015 TPH |

| Parameter | Concentration (mg/Kg) | Det. Limit (mg/Kg) |
|---|---|---|
| **Gasoline Range (C5 - C10)** | **7.6** | **0.2** |
| **Diesel Range (C10 - C28)** | **ND** | **0.1** |
| **Total Petroleum Hydrocarbons** | **7.6** | **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: **SJ 29-6 #54.**

Analyst

Review

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ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

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

| | | | |
|---|---|---|---|
| Client: | ConocoPhillips | Project #: | 96052-026-120 |
| Sample ID: | Side Walls @ 8-10' | Date Reported: | 11-23-04 |
| Laboratory Number: | 31295 | Date Sampled: | 11-19-04 |
| Chain of Custody No: | 13307 | Date Received: | 11-22-04 |
| Sample Matrix: | Soil | Date Extracted: | 11-22-04 |
| Preservative: | Cool | Date Analyzed: | 11-23-04 |
| Condition: | Cool and Intact | Analysis Requested: | 8015 TPH |

| Parameter | Concentration (mg/Kg) | Det. Limit (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: **SJ 29-6 #54.**

Analyst

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# ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

## EPA METHOD 8021
## AROMATIC VOLATILE ORGANICS

| | | | |
|---|---|---|---|
| Client: | ConocoPhillips | Project #: | 96052-026-120 |
| Sample ID: | Btm @ 10-12 Ft. | Date Reported: | 11-23-04 |
| Laboratory Number: | 31294 | Date Sampled: | 11-19-04 |
| Chain of Custody: | 13307 | Date Received: | 11-22-04 |
| Sample Matrix: | Soil | Date Analyzed: | 11-23-04 |
| Preservative: | Cool | Date Extracted: | 11-22-04 |
| Condition: | Cool & Intact | Analysis Requested: | BTEX |

| Parameter | Concentration (ug/Kg) | Det. Limit (ug/Kg) |
|---|---|---|
| **Benzene** | **192** | **1.8** |
| **Toluene** | **244** | **1.7** |
| **Ethylbenzene** | **ND** | **1.5** |
| **p,m-Xylene** | **ND** | **2.2** |
| **o-Xylene** | **ND** | **1.0** |
| **Total BTEX** | **436** | |

ND - Parameter not detected at the stated detection limit.

| Surrogate Recoveries: | Parameter | Percent Recovery |
|---|---|---|
| | **Fluorobenzene** | **96 %** |
| | **1,4-difluorobenzene** | **96 %** |
| | **Bromochlorobenzene** | **96 %** |

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:** **SJ 29-6 #54.**

Analyst

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# ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

## EPA METHOD 8021
## AROMATIC VOLATILE ORGANICS

| | | | |
|---|---|---|---|
| Client: | ConocoPhillips | Project #: | 96052-026-120 |
| Sample ID: | Side Walls @ 8-10' | Date Reported: | 11-23-04 |
| Laboratory Number: | 31295 | Date Sampled: | 11-19-04 |
| Chain of Custody: | 13307 | Date Received: | 11-22-04 |
| Sample Matrix: | Soil | Date Analyzed: | 11-23-04 |
| Preservative: | Cool | Date Extracted: | 11-22-04 |
| Condition: | Cool & Intact | Analysis Requested: | BTEX |

| Parameter | Concentration (ug/Kg) | Det. Limit (ug/Kg) |
|---|---|---|
| **Benzene** | **ND** | **1.8** |
| **Toluene** | **ND** | **1.7** |
| **Ethylbenzene** | **ND** | **1.5** |
| **p,m-Xylene** | **ND** | **2.2** |
| **o-Xylene** | **ND** | **1.0** |
| **Total BTEX** | **ND** | |

ND - Parameter not detected at the stated detection limit.

| Surrogate Recoveries: | Parameter | Percent Recovery |
|---|---|---|
| | **Fluorobenzene** | **96 %** |
| | **1,4-difluorobenzene** | **96 %** |
| | **Bromochlorobenzene** | **96 %** |

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:** **SJ 29-6 #54.**

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