

District I
P.O. Box 1980, Hobbs, NM 88240
Energy, Minerals and Natural Resources Dept.

State of New Mexico

SUBMIT 1 COPY TO
APPROPRIATE
DISTRICT OFFICE
AND 1 COPY TO
SANTA FE OFFICE

District II
P.O. Drawer 80, Artesia,
NM 88221

OIL CONSERVATION DIVISION
2040 S. Pacheco

Santa Fe, New Mexico 87504

District III
1000 Rio Brazos Rd, Aztec,
NM 87410

PIT REMEDIATION AND CLOSURE REPORT

Operator: Caulkins Oil Company

Telephone: (505) 632-1544

Address: P.O. Box 340, Bloomfield, NM 87413

Facility or Well Name: Breech "A" 132-E

Location: Unit or Qtr/Qtr D Sec 9 T 26N R 6W County Rio Arriba

Pit Type: Separator X Dehydrator Other

Land Type: BLM X, State , Fee , Other

Pit Location: Pit dimensions: length 25', width 25', depth 12'
(Attach diagram)

References: wellhead X, other

Footage from reference: 213'

Direction from reference: 84 Degrees X East North X
of
 West 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) | <u>0</u> |

| | | | |
|---|-----|-------------|----------|
| 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) | <u>0</u> |

| | | | |
|--|------------------------|-------------|----------|
| 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) | <u>0</u> |

RANKING SCORE (TOTAL POINTS): 0

Remediation Method: Excavation X Approx. cubic yards 278

Check all appropriate
sections; Landfarmed X Insitu Bioremediation

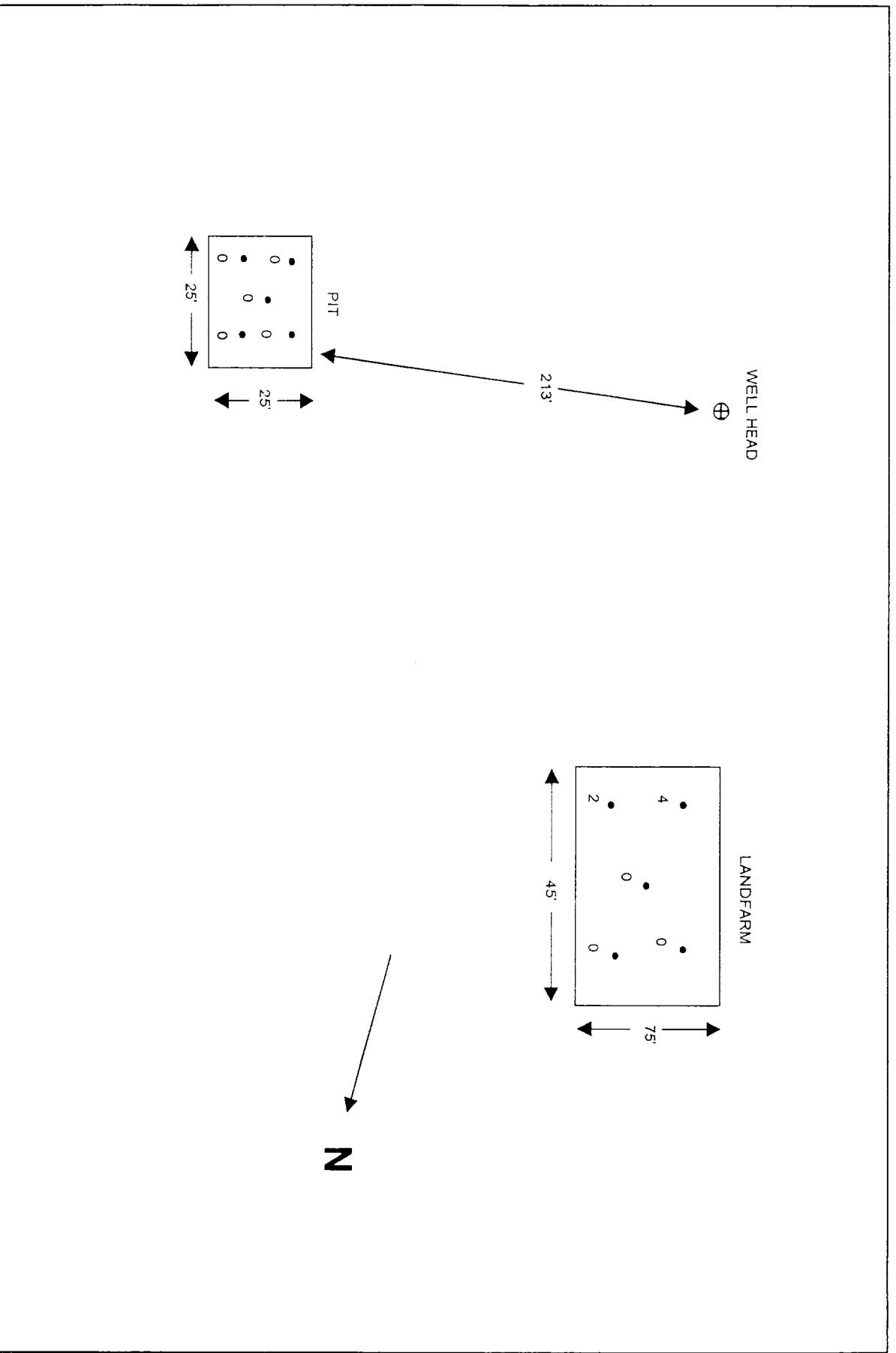
Other

General Description of Remedial Action: Aeration and Dilution

Final Pit: Sample Location Bottom of pit and landfarm
 Closure Sampling: _____
 (if multiple samples, _____
 attach sample results _____
 and diagram of sample Sample depth 14'

TPH Landfarm:193 ppm Pit:193 ppm

SIGNATURE Robert L. Verquer PRINTED NAME
AND TITLE ROBERT L. VERQUER, SUPERINTENDENT



Organic Analysis - Pit Closure**Caulkins Oil Company**

| | | | |
|----------------|---------------------------|----------------|----------|
| Project ID: | Breech Pits | Report Date: | 06/30/97 |
| Sample ID: | Breech A 132-E - Landfarm | Date Sampled: | 06/03/97 |
| Lab ID: | 7035 | Date Received: | 06/06/97 |
| Sample Matrix: | Soil | Preservative: | Cool |
| | | Condition: | Intact |

| Target Analyte | Concentration (mg/kg) | Detection Limit (mg/kg) |
|----------------|--------------------------|----------------------------|
|----------------|--------------------------|----------------------------|

Total Aromatic Hydrocarbons**ND**

| | | |
|--------------|----|------|
| Benzene | ND | 0.15 |
| Toluene | ND | 0.15 |
| Ethylbenzene | ND | 0.15 |
| m,p-Xylenes | ND | 0.30 |
| o-Xylene | ND | 0.15 |

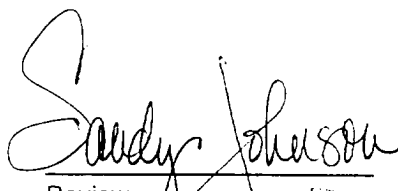

Total Volatile Petroleum Hydrocarbons**ND****33.5****Total Recoverable Petroleum Hydrocarbons****193****32.1**

| | | | |
|-------------------------|------------------|-------------------------|--------------------------|
| Quality Control: | <u>Surrogate</u> | <u>Percent Recovery</u> | <u>Acceptance Limits</u> |
| | Trifluorotoluene | 99 | 81 - 117% |
| | Trifluorotoluene | 94 | 50 - 150 % |
| | o-Terphenyl | 92 | 50 - 150% |

Reference: Method 5030, Purge and Trap; Method 8020, Aromatic Recoverable Organics;
Test Methods for Evaluating Solid Wastes, SW-846, United States
Environmental Protection Agency, Final Update I, July, 1992.

EPA Method 8015A, modified. "Nonhalogenated Volatile Organics by Gas
Chromatography." Test Methods for Evaluating Solid Waste, Physical/
Chemical Methods, SW-846, 3rd Ed, Final Update I, July, 1992. USEPA.

Comments:


Review


Organic Analysis - Pit Closure

Caulkins Oil Company

| | | | |
|----------------|----------------------|----------------|----------|
| Project ID: | Breach Pits | Report Date: | 06/30/97 |
| Sample ID: | Breach A 132-E - Pit | Date Sampled: | 06/03/97 |
| Lab ID: | 7034 | Date Received: | 06/06/97 |
| Sample Matrix: | Soil | Preservative: | Cool |
| | | Condition: | Intact |

| Target Analyte | Concentration (mg/kg) | Detection Limit (mg/kg) |
|----------------|--------------------------|----------------------------|
|----------------|--------------------------|----------------------------|

Total Aromatic Hydrocarbons

ND

| | | |
|--------------|----|------|
| Benzene | ND | 0.13 |
| Toluene | ND | 0.13 |
| Ethylbenzene | ND | 0.13 |
| m,p-Xylenes | ND | 0.26 |
| o-Xylene | ND | 0.13 |

Total Volatile Petroleum Hydrocarbons

ND

29.8

Total Recoverable Petroleum Hydrocarbons

193

31.3

| Quality Control: | Surrogate | Percent Recovery | Acceptance Limits |
|------------------|------------------|------------------|-------------------|
| | Trifluorotoluene | 98 | 81 - 117% |
| | Trifluorotoluene | 89 | 50 - 150 % |
| | o-Terphenyl | 112 | 50 - 150% |

Reference: Method 5030, Purge and Trap; Method 8020, Aromatic Recoverable Organics; Test Methods for Evaluating Solid Wastes, SW-846, United States Environmental Protection Agency, Final Update I, July, 1992.

EPA Method 8015A, modified. "Nonhalogenated Volatile Organics by Gas Chromatography." Test Methods for Evaluating Solid Waste, Physical/ Chemical Methods, SW-846, 3rd Ed, Final Update I, July, 1992. USEPA.

Comments:

Shady Johnson
Review
For Videna John

WELL NAME: Breech A 132-E

CAULKINS OIL
SITE SECURITY DIAGRAM

