

District III  
1000 Rio Brazos Rd, Aztec,  
NM 87410

State of New Mexico  
Energy, Minerals and Natural Resources Dept.

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

OIL CONSERVATION DIVISION  
2040 S. Pacheco  
Santa Fe, New Mexico 87504

# 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: Breach "A" 625-E

Location: Unit or Qtr/Qtr L Sec 8 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 39', width 30', depth 6'  
(Attach diagram)

References: wellhead X, other \_\_\_\_\_

Footage from reference: 78'

Direction from reference: 214 Degrees \_\_\_\_\_ East North \_\_\_\_\_  
of  
\_\_\_\_\_ X West South X

<b>Depth to Ground Water:</b>	Less than 50 feet	(20 points)	
(Vertical distance from	50 feet to 99 feet	(10 points)	
contaminants to seasonal high	Greater than 100 feet	(0 points)	<u>0</u>
water elevation of ground water)			
<b>Wellhead Protection Area:</b>	Yes	(20 points)	
(Less than 200 feet from a	No	(0 points)	<u>0</u>
private domestic water source,			
or; less than 1000 feet from all			
other water sources)			
<b>Distance to Surface Water:</b>	Less than 200 feet	(20 points)	
(Horizontal distance to perennial	200 feet to 1000 feet	(10 points)	
lakes, ponds, rivers, streams,	Greater than 1000 feet	(0 points)	<u>0</u>
creeks, irrigation canals and			
ditches)			

RANKING SCORE (TOTAL POINTS): 0

Date Remediation Started: 2-97 Date Completed: 8-20-97

Remediation Method: Excavation X Approx. cubic yards 260

Check all appropriate  
sections)

Landfarmed X

Insitu Bioremediation \_\_\_\_\_

Other

Remediation Location: Onsite X Offsite \_\_\_\_\_

(ie. landfarmed onsite,  
name and location of  
offsite facility)

General Description of Remedial Action: Aeration and Dilution

Ground Water Encountered:      No   X        Yes           Depth           

Final Pit:

Sample Location Bottom of pit and landfarm

### Closure Sampling:

(if multiple samples,  
attach sample results  
and diagram of sample

Sample depth 6' Rock

Sample date 6-4-97 Sample time 10:30 a.m.

Benzene (ppm) \_\_\_\_\_

Total BTEX (ppm) ND

Field headspace (ppm) \_\_\_\_\_

TPH Landfarm: 80.3 ppm Pit: ND

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 October 6, 1998

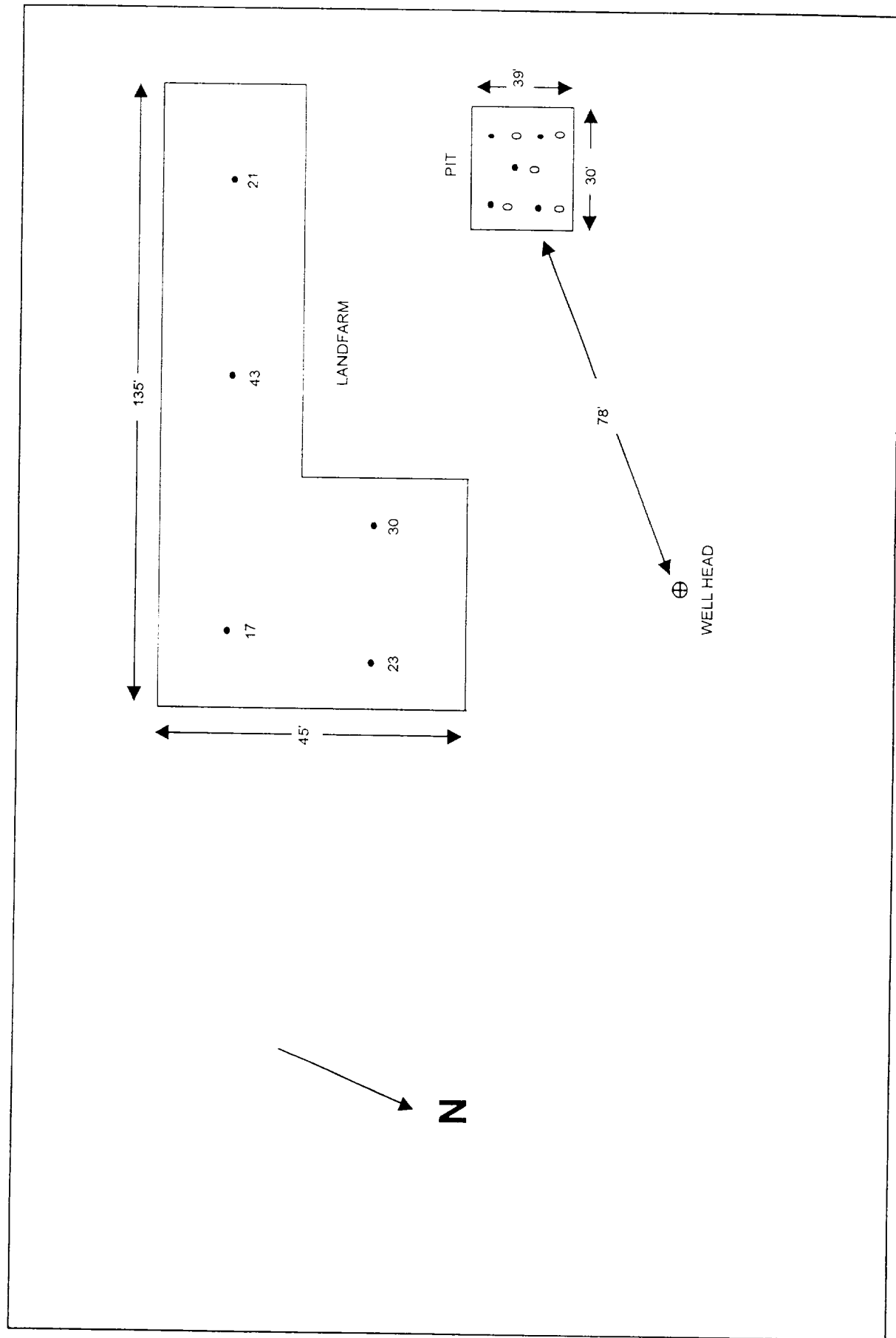
SIGNATURE

Robert L. Vergne

PRINTED NAME

AND TITLE

ROBERT L. VERQUER, SUPERINTENDENT





## Organic Analysis - Pit Closure

### Caulkins Oil Company

Project ID: Breech Pits  
Sample ID: Breech A 625-E - Landfarm  
Lab ID: 7037  
Sample Matrix: Soil

Report Date: 06/30/97  
Date Sampled: 06/04/97  
Date Received: 06/06/97  
Preservative: Cool  
Condition: Intact

Target Analyte	Concentration (mg/kg)	Detection Limit (mg/kg)
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#### Total Aromatic Hydrocarbons

ND

Benzene	ND	0.15
Toluene	ND	0.15
Ethylbenzene	ND	0.15
m,p-Xylenes	ND	0.29
o-Xylene	ND	0.15

#### Total Volatile Petroleum Hydrocarbons

ND

33.1

#### Total Recoverable Petroleum Hydrocarbons

80.3

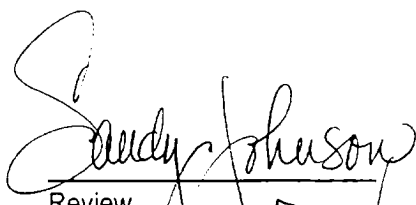
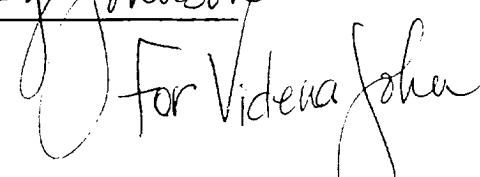
27.6

Quality Control:	<u>Surrogate</u>	<u>Percent Recovery</u>	<u>Acceptance Limits</u>
	Trifluorotoluene	91	81 - 117%
	Trifluorotoluene	96	50 - 150 %
	o-Terphenyl	96	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: Breech Pits  
Sample ID: Breech A 625-E - Pit  
Lab ID: 7036  
Sample Matrix: Soil

Report Date: 06/30/97  
Date Sampled: 06/04/97  
Date Received: 06/06/97  
Preservative: Cool  
Condition: Intact

Target Analyte	Concentration (mg/kg)	Detection Limit (mg/kg)
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**Total Aromatic Hydrocarbons****ND**

Benzene	ND	0.16
Toluene	ND	0.16
Ethylbenzene	ND	0.16
m,p-Xylenes	ND	0.31
o-Xylene	ND	0.16

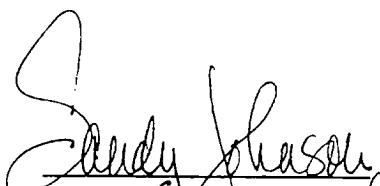
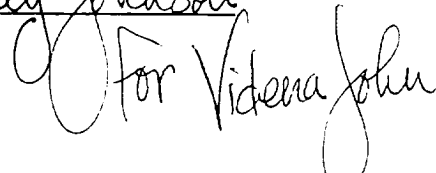
**Total Volatile Petroleum Hydrocarbons****ND****35.2****Total Recoverable Petroleum Hydrocarbons****ND****32.8**

Quality Control:	Surrogate	Percent Recovery	Acceptance Limits
	Trifluorotoluene	94	81 - 117%
	Trifluorotoluene	88	50 - 150 %
	o-Terphenyl	85	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.

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Chromatography." Test Methods for Evaluating Solid Waste, Physical/  
Chemical Methods, SW-846, 3rd Ed, Final Update I, July, 1992. USEPA.

**Comments:**

  
Review  


# CAULKINS OIL SITE SECURITY DIAGRAM

WELL NAME: Breech A 625-E

