FUTY CIL & CAS INSPECTOR

P.O. Drayer DD. Artesia.

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

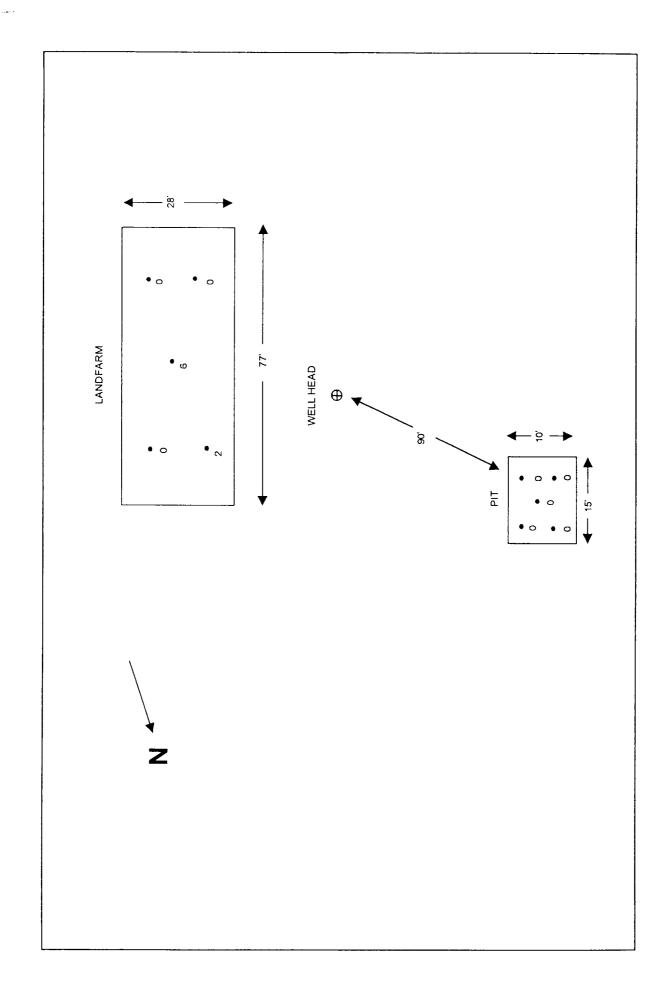
OIL CONSERVATION DIVISION 2040 S. Pacheco Santa Fe, New Mexico 87504

## REMEDIATION AND CLOSURE REPORT

Operator: Caulkins Oil Compa	ny Telephone: (	1988 (505) 632-1544			
Address: P.O. Box 340, Bloom	nfield, NM 87413				
Facility or Well Name: Breech "D" 140					
Location: Unit or Qtr/Qtr A Sec 11 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 15', width 10', depth 12' (Attach diagram)					
References: wellhead X , other					
Footage from reference: 90'					
Direction from reference: 310 Degrees East North X					
		of <u>X</u> West South			
Depth to Ground Water: (Vertical distance from	Less than 50 feet 50 feet to 99 feet	(20 points)			
contaminants to seasonal high water elevation of ground water)	Greater than 100 feet	(0 points) <u>0</u>			
Wellhead Protection Area: (Less than 200 feet from a	Yes	(20 points)			
private domestic water source, or; less than 1000 feet from all other water sources)	No	(0 points) <u>0</u>			
Distance to Surface Water: (Horizontal distance to perennial	Less than 200 feet	(20 points)			
lakes, ponds, rivers, streams, creeks, irrigation canals and ditches)	200 feet to 1000 feet Greater than 1000 feet	(10 points) (0 points) 0			
RANKING SCORE (TOTAL POINTS): 0					

Date Remediation St	arted: <u>6-24-97</u> Date Completed: <u>9-17-97</u>			
Remediation Method: Check all appropriate sections)	Excavation X Approx. cubic yards 67			
sections)	Landfarmed X Insitu Bioremediation			
	Other			
Remediation Locatio (ie. landfarmed onsite, name and location of offsite facility)	n: Onsite X Offsite			
General Description of Remedial Action: Aeration and Dilution				
Ground Water Encountered: No X Yes Depth				
Final Pit: Closure Sampling: (if multiple samples,	Sample Location <u>Bottom of pit and landfarm</u>			
Closure Sampling:				
Closure Sampling: (if multiple samples, attach sample results				
Closure Sampling: (if multiple samples, attach sample results	Sample depth 14'			
Closure Sampling: (if multiple samples, attach sample results	Sample depth 14'  Sample date 9-29-97 Sample time 10:05 a.m.			
Closure Sampling: (if multiple samples, attach sample results	Sample depth 14'  Sample date 9-29-97 Sample time 10:05 a.m.  Benzene (ppm)			
Closure Sampling: (if multiple samples, attach sample results	Sample depth 14'  Sample date 9-29-97 Sample time 10:05 a.m.  Benzene (ppm)  Total BTEX (ppm)ND_			
Closure Sampling: (if multiple samples, attach sample results and diagram of sample	Sample depth14'  Sample date9-29-97 Sample time10:05 a.m.  Benzene (ppm)  Total BTEX (ppm)  Field headspace (ppm)			
Closure Sampling: (if multiple samples, attach sample results and diagram of sample  Ground Water Sample	Sample depth14'  Sample date9-29-97			
Closure Sampling: (if multiple samples, attach sample results and diagram of sample  Ground Water Sample  I HEREBY CERTIFY THAT	Sample depth14'  Sample date9-29-97 Sample time10:05 a.m  Benzene (ppm)  Total BTEX (ppm) ND  Field headspace (ppm)  TPHLandfarm: 330 ppm Pit: 3100 ppm  Yes No _X (If yes, attach sample results)  THE INFORMATION ABOVE IS TRUE AND COMPLETE TO THE BEST OF EF.			

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## **FARMINGTON LABORATORY**

P.O. BOX 1289 FARMINGTON, NEW MEXICO 87499-1289 PHONE (505) 326-2588

Soil

Caulkins Oll Co. 1997 E Blanco Blvd Bloomfield, NM 87413 Attn: Bobby Verguer

Date: 10/27/97

Project No: Project: Landfarm

Matrix: Site:

Date Sampled: 09/29/97 Sampled By: J. Waggoner Breech D 140 Date Received: 09/29/97 Sample ID:

**Analytical Data** DETECTION **PARAMETER RESULTS** LIMIT **UNITS** μg/Kg 1.0 ND Benzene ND 1.0 μg/Kg Toluene ND 1.0 μg/Kg Ethylbenzene ND 1.0 μg/Kg Total Xylene μg/Kg ND Total Volatile Aromatic Hydrocarbons % Recovery Surrogate

1,4,Difluorobenzene 93 80 4-Bromofluorobenzene

Method 8020 Anayzed by: LJ

> Date: 10/15/97

330 4.0 mg/Kg Total Petroleum Hydrocarbons-Diesel

> Surrogate % Recovery 440MI n-Pentacosane

Method 8015A\*\*\* for Diesel

Anayzed by: RR

Date: 10/09/97

ND 0.1 mg/Kg Gasoline Range Organics

110

% Recovery Surrogate 43MI

4-Bromofluorobenzene 1,4-Difluorobenzene

Method 8015A\*\*\* for Gasoline

Anayzed by: RR

Date: 10/09/97

ND- Not detected

MI-Matrix Interference

\*Ref: Methods for Chemical Analysis of Water and Wastes, 1983, EPA Notes:

\*\*Ref: Standard Methods for Examination of Water & Wastewater, 18th ed.

\*\*\*Ref: Test Methods for Evaluating Solis Waste, EPA SW846, 3rd Ed.

QUALITY ASSURANCE: These analyses are performed in accordance with

EPA guidelines for quality assurance.



## **FARMINGTON LABORATORY**

P.O. BOX 1289 FARMINGTON, NEW MEXICO 87499-1289 PHONE (505) 326-2588

Caulkins OII Co. 1997 E Blanco Blvd Bloomfield, NM 87413 Attn: Bobby Verquer

Date:

10/27/97

Project: Bottom of Pit Project No:
Site: Matrix: Soil
Sampled By: J. Waggoner Date Sampled: 09/29/97
Sample ID: Breech D 140 Date Received: 09/29/97

Analytical Data

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	DETECTION			
PARAMETER	RESULTS	LIMIT	UNITS	
Benzene	ND	1.0	μ <b>g</b> /Kg	
Toluene	ND	1.0	μ <b>g/Kg</b>	
Ethylbenzene	ND	1.0	μ <b>g/K</b> g	
Total Xylene	ND	1.0	μ <b>g/K</b> g	
Total Volatile Aromatic Hydrocarbons	ND		μg/Kg	

Surrogate% Recovery1,4,Difluorobenzene1134-Bromofluorobenzene93

Method 8020 Anayzed by: LJ

Date: 10/15/97

Total Petroleum Hydrocarbons-Diesel 3100 60.0 mg/Kg

Surrogate % Recovery n-Pentacosane 3200MI

Method 8015A\*\*\* for Diesel

Anayzed by: RR

Date: 10/09/97

Gasoline Range Organics ND 0.1 mg/Kg

Surrogate % Recovery
4-Bromofluorobenzene 53
1,4-Difluorobenzene 107

Method 8015A\*\*\* for Gasoline

Anayzed by: RR

Date: 10/09/97

ND- Not detected

MI-Matrix Interference

Notes: \*Ref: Methods for Chemical Analysis of Water and Wastes, 1983, EPA

\*\*Ref: Standard Methods for Examination of Water & Wastewater, 18th ed.

\*\*\*Ref: Test Methods for Evaluating Solis Waste, EPA SW846, 3rd Ed.

QUALITY ASSURANCE: These analyses are performed in accordance with

EPA guidelines for quality assurance.

Danica Carman Lab Manager

## CAULKINS OIL SITE SECURITY DIAGRAM

