P.O. Box 1980, Hobbs, NATURE

State of New Mexico SUBMIT 1 COE Energy, Minerals and Natural Resources Dept. APPROPRIATE

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

District St. 8 INS 2010R P.O. Drawer DD, Artesia, NM 88221 2 7 1993

District III
1000 Rio Brazos Rd, Aztec,
NM 87410

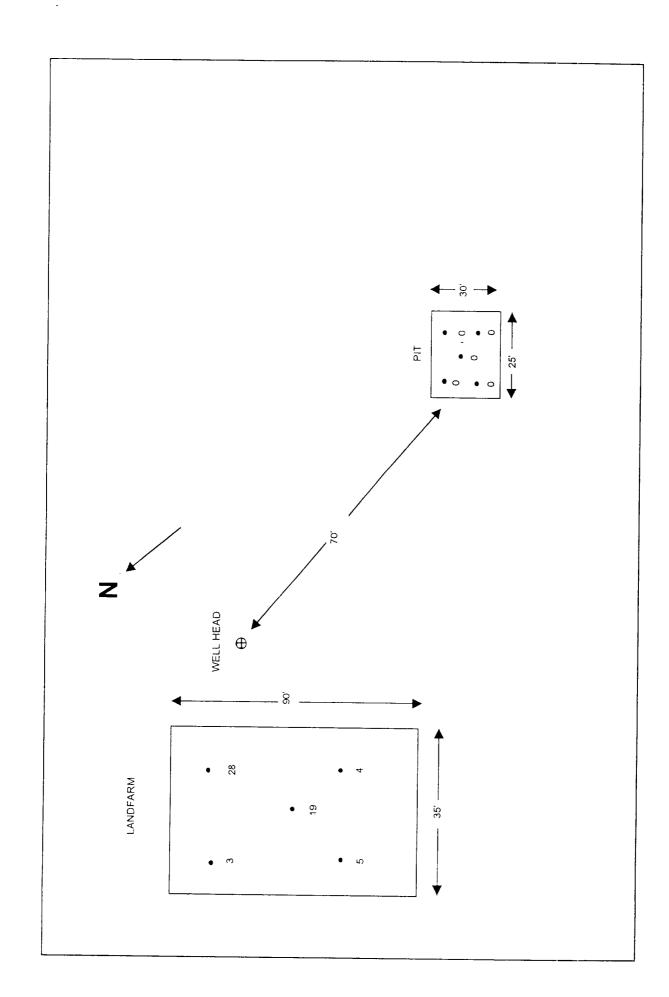
OIL CONSERVATION DIVISION
2040 S. Pacheco
Santa Fe, New Mexico 87504

PIT REMEDIATION AND CLOSURE REPORT

Operator: Caulkins Oil Compa	any Telephone:	(505) 632-1544		
Address: P.O. Box 340, Bloomfield, NM 87413				
Facility or Well Name: State	: Com 113-E			
Location: Unit or Qtr/Qtr P Sec 2 T 26N R 6W County Rio Arriba				
Pit Type: Separator X Dehy				
Land Type: BLM_X_, State, Fee, Other				
Pit Location: Pit dimensions: length 25', width 30', depth 12' (Attach diagram) References: wellhead X, other				
	eference: 70'			
Direction from	reference: 156 Degrees			
		of West South <u>X</u>		
Depth to Ground Water: (Vertical distance from contaminants to seasonal high water elevation of ground water)	Less than 50 feet 50 feet to 99 feet Greater than 100 feet	(10 points)		
Wellhead Protection Area: (Less than 200 feet from a private domestic water source, or; less than 1000 feet from all other water sources)	Yes No	(20 poir.ts) (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 200 feet to 1000 feet Greater than 1000 feet	(20 points) (10 points) (0 points) _0		
RANKING SCORE (TOTAL POINTS): 0				

Date Remediation St	tarted: <u>2-21-97</u> Date Completed: <u>10-28-97</u>			
Remediation Method: Check all appropriate	Excavation X Approx. cubic yards 120			
sections)	Landfarmed X Insitu Bioremediation			
	Other			
Remediation Location (ie. landfarmed onsite, name and location of offsite facility)	on: Onsite X Offsite			
General Description	n of Remedial Action: Aeration and Diluttor			
Ground Water Encountered: No X Yes Depth				
Final Pit: Closure Sampling: (if multiple samples,	Sample Location <u>Bottom of pit and landfarm</u>			
attach sample results and diagram of sample	Sample depth 14'			
	Sample date 8-26-97 Sample time 12:50 p.m.			
	Benzene (ppm)			
	Total BTEX (ppm) Landfarm: 36.7 ppm Pit: ND			
	Field headspace (ppm)			
	TPH Landfarm: 360 ppm Pit: 6.7 ppm			
Ground Water Sample	: Yes No X (If yes, attach sample results)			
I HEREBY CERTIFY THAT MY KNOWLEDGE AND BELI	THE INFORMATION ABOVE IS TRUE AND COMPLETE TO THE BEST OF EF.			
DATE October 6, 1998				
	PRINTED NAME AND TITLE ROBERT L. VERQUER, SUPERINTENDENT			

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FARMINGTON LABORATORY

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

Caulkins Oil and Gas Co.

PO Box 340

Bloomfield, NM 87413 Attn: Bobby Verquer

Date: 09/08/97

Project:

Landfarm

Project No:

Soil

Site:

Sampled By: J. Waggoner

Matrix: Date Sampled:

08/26/97

Sample ID: State Com 113E

Date Received:

08/27/97

Sample ID. State Con 113E		Date Received: 08/	27/97
	Analytical Data		
PARAMETER	RESULTS	DETECTION LIMIT	UNITS
Benzene	5.3	5.0	μg/Kg
Toluene	24	5.0	μg/Kg
Ethylbenzene	ND	5.0·	μg/Kg
Total Xylene	7.4	5.0	μg/Kg
Total Volatile Aromatic Hydrocarbons	36.7		μg/Kg
Surrogate	% Recovery		
1,4,Difluorobenzene	100		
4-Bromofluorobenzene	100		
Method 8020A			
Anayzed by: JN			
Date: 09/04/97			
Total Petroleum Hydrocarbons-Diesel	360	4.0	mg/Kg
Surrogate	% Recovery		
n-Pentacosane Modified 8015A	MI 476		

Petroleum Hydrocarbons-Gasoline	ND
Surrogate	%Recovery

Date: 09/03/97

1,4,Difluorobenzene 4-Bromofluorobenzene Method 8020A

Anayzed by: JN

Anayzed by: RR

93 73

Date: 09/04/97

Test Methods for Evaluating Soild Waste, EPA SW846, 3rd Ed.

MI - Matrix Interference

Danica Carman Lab Manager

0.5

mg/Kg



FARMINGTON LABORATORY

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Caulkins Oil and Gas Co.

PO Box 340

Bloomfield, NM 87413 Attn: Bobby Verquer

Date: 09/08/97

Project: Pit

Site:

Project No:

Matrix:

Soil

Sampled By: J. Waggoner Sample ID: State Com 113E

Date Sampled: Date Received:

08/26/97 08/27/97

Analytical Data

	· · · · · · · · · · · · · · · · · · ·		
PARAMETER	RESULTS	DETECTION LIMIT	UNITS
Benzene	ND	5.0	μg/Kg
Toluene	ND	5.0	μg/Kg
Ethylbenzene	ND	5.0	μg/Kg
Total Xylene	ND	5.0	μg/Kg
Total Volatile Aromatic Hydrocarbons	ND		μg/Kg
Surrogate	% Recovery		
1,4,Difluorobenzene	100		
4-Bromofluorobenzene	100		
Method 8020A			
Anaurad by IN			

Anayzed by: JN

Date: 09/04/97

Total Petroleum Hydrocarbons-Diesel

6.7

% Recovery

122

4.0

mg/Kg

Surrogate

n-Pentacosane Modified 8015A

Anayzed by: RR

Date: 09/03/97

Petroleum Hydrocarbons-Gasoline

ND

0.5

mg/Kg

Surrogate

1,4,Difluorobenzene 4-Bromofluorobenzene 100 67

%Recovery

Method 8020A Anayzed by: JN

Date: 09/04/97

Test Methods for Evaluating Soild Waste, EPA SW846, 3rd Ed.

MI - Matrix Interference