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State of New Mexico

PORTION HOUSE GAS INSPECTOR nergy, Minerals and Natural Resources Dept.

District II P.O. Drawer DDA Wrtesia,1999 NM 88221

District III
1000 Rio Brazos Rd, Aztec,
NM 87410

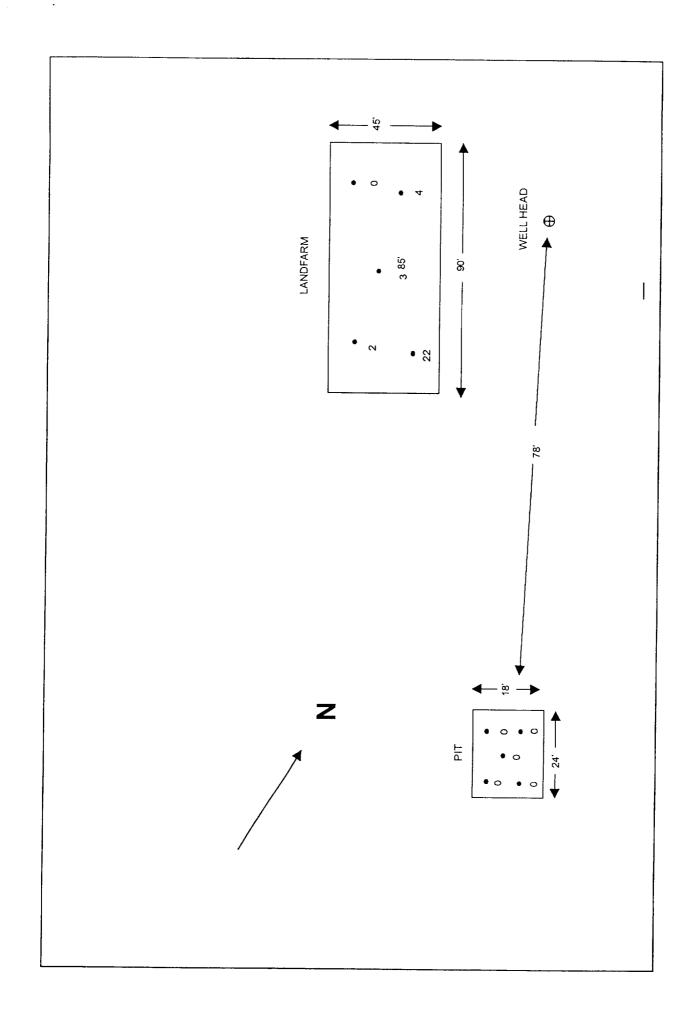
OIL CONSERVATION DIVISION 2040 S. Pacheco Santa Fe, New Mexico 87504 SUBMIT 1 COPY TO
APPROPRIATE
DISTRICT OFFICE
AND 1 COPY TO
SANTA FE OFFICE

F28 - 8 1833

PIT REMEDIATION AND CLOSURE REPORT

Operator: Caulkins Oil Comp	any Telephone:	(505) 632-1544			
Address: P.O. Box 340, Bloc	omfield, NM 87413				
Facility or Well Name: <u>Bree</u>	ch 224				
Location: Unit or Qtr/Qtr A Sec 13 T 26N R 7W County Rio Arriba					
Pit Type: Separator_X Dehydrator Other					
Land Type: BLM_X_, State, Fee, Other					
Pit Location: Pit dimensions: length 24', width 18', depth 12'					
References: wellhead X , other					
Footage from reference: 78'					
Direction from reference: 120 Degrees X East North of West South X					
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	(20 points) (10 points) (0 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 points) (0 points) _0_			
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	arted: <u>4-17-97</u> Date Completed: <u>9-8-97</u>				
Check all appropriate	Excavation X Approx. cubic yards 192				
sections)	Landfarmed X Insitu Bioremediation				
	Other				
Remediation Location (ie. landfarmed onsite, name and location of offsite facility)	on: Onsite X Offsite				
General Description of Remedial Action: Aeration and Dilution					
Ground Water Encoun	tered: 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	6				
	Sample date 9-29-97 Sample time 9:50 a.m.				
	Benzene (ppm)				
	Total BTEX (ppm) <u>ND</u>				
	Field headspace (ppm)				
	TPH Landfarm:170 ppm Pit:70 ppm				
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.					
DATEOctober 5, 1998					
SIGNATURE Robert I V.					





FARMINGTON LABORATORY

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

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

Date:

10/27/97

Project: Landfarm Project No: Matrix: Site: Soil Sampled By: J. Waggoner Date Sampled: 09/29/97 Date Received: Sample ID: Breech 224 09/29/97 **Analytical Data DETECTION UNITS PARAMETER RESULTS** LIMIT 1.0 Benzene ND μg/Kg Toluene ND 1.0 μg/Kg Ethylbenzene ND 1.0 μg/Kg Total Xylene ND 1.0 μg/Kg Total Volatile Aromatic Hydrocarbons ND μg/Kg % Recovery Surrogate 1,4,Difluorobenzene 100 4-Bromofluorobenzene 100 Method 8020 Anayzed by: LJ Date: 10/15/97 Total Petroleum Hydrocarbons-Diesel 170 20.0 mg/Kg Surrogate % Recovery n-Pentacosane 320MI Method 8015A*** for Diesel Anayzed by: RR Date: 10/09/97 Gasoline Range Organics ND 0.1 mg/Kg Surrogate % Recovery 4-Bromofluorobenzene 60 1,4-Difluorobenzene 93 Method 8015A*** for Gasoline

ND- Not detected

Anayzed by: RR Date: 10

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.

10/09/97

Danica Carmar Lah Manager



FARMINGTON LABORATORY

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

Date:

10/27/97

Project:

Bottom of Pit

Project No:

Matrix:

Soil

Site:

Sampled By: J. Waggoner

Date Sampled:

09/29/97

Sample ID:

Breech 224

Date Received:

09/29/97

Anal	ytical	l Data

	DETECTION			
PARAMETER	RESULTS	LIMIT	UNITS	
Benzene	ND	1.0	μg/Kg	
Toluene	ND	1.0	μg/Kg	
Ethylbenzene	ND	1.0	μg/Kg	
Total Xylene	ND	1.0	μg/Kg	
Total Volatile Aromatic Hydrocarbons	ND		μg/Kg	

Surrogate

% Recovery

1,4,Difluorobenzene 4-Bromofluorobenzene 97 77

Method 8020

Anayzed by: LJ

Date: 10/15/97

Total Petroleum Hydrocarbons-Diesel

70

20.0

mg/Kg

Surrogate

% Recovery 220MI

Method 8015A*** for Diesel

Anayzed by: RR

n-Pentacosane

Date: 10/09/97

Gasoline Range Organics

ND

0.1

mg/Kg

Surrogate

% Recovery

4-Bromofluorobenzene 1,4-Difluorobenzene

43MI 100

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.

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