District 1 State of New Mexico SUBMIT 1 COP PLO BOX 1980, NAN SPECIOR Energy, Minerals and Natural Resources Dept. APPROPRIATE

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

P.O. Drawer DU, Aftesia, NM 88221

District III

1000 Rio Brazos Rd, Aztec,
NM 87410

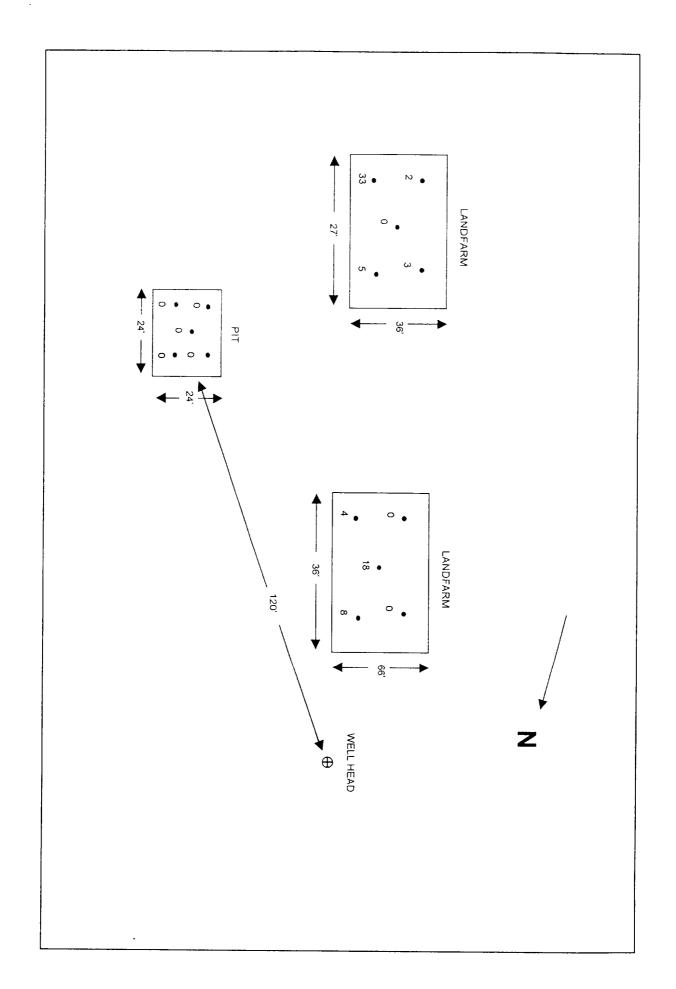
FC

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

PIT REMEDIATION AND CLOSURE REPORT

	mpany Telephone:	(505) 632-1544		
Address: P.O. Box 340, Bloomfield, NM 87413				
Facility or Well Name: <u>Br</u>	Facility or Well Name: Breech "E" 102			
Location: Unit or Qtr/Qtr N Sec 5 T 26N R 6W County Rio Arriba				
Pit Type: Separator X I	ehydratorOther			
Land Type: BLM_X_, State, Fee, Other				
Pit Location: Pit dimensi	ons: length 24', width	24' , depth 12'		
References: wellhead X , other				
Footage from reference: 120'				
Direction from reference: 160 Degrees X East North				
		of West South <u>X</u>		
		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	(20 points) (10 points)		
(Vertical distance from contaminants to seasonal high	50 feet to 99 feet Greater than 100 feet Yes No	(20 points) (10 points)		
(Vertical distance from contaminants to seasonal high water elevation of ground water Wellhead Protection Area (Less than 200 feet from a private domestic water source, or; less than 1000 feet from al	50 feet to 99 feet Greater than 100 feet Yes No Less than 200 feet	(20 points) (10 points) (0 points) (20 points) (0 points) (10 points)		

Date Remediation Started: 4-97 Date Completed: 8-12-97			
Remediation Method: Check all appropriate	Excavation X Approx. cubic yards 256		
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: <u>Aeration and Dilution</u>		
Ground Water Encoun	tered: No X Yes Depth		
Final Pit: Closure Sampling: (if multiple samples.	Sample Location <u>Bottom of pit and landfarm</u>		
Closure Sampling: (if multiple samples, attach sample results			
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 6-4-97 Sample time 1:10 p.m.		
Closure Sampling: (if multiple samples, attach sample results	Sample depth 14' Sample date 6-4-97 Sample time 1:10 p.m. Benzene (ppm)		
Closure Sampling: (if multiple samples, attach sample results	Sample depth 14' Sample date 6-4-97 Sample time 1:10 p.m. Benzene (ppm) Total BTEX (ppm)		
Closure Sampling: (if multiple samples, attach sample results and diagram of sample	Sample depth14' Sample date6-4-97		
Closure Sampling: (if multiple samples, attach sample results and diagram of sample Ground Water Sample	Sample depth14 ' Sample date6-4-97		
Closure Sampling: (if multiple samples, attach sample results and diagram of sample Ground Water Sample I HEREBY CERTIFY THAT	Sample depth 14' Sample date 6-4-97 Sample time 1:10 p.m. Benzene (ppm) Total BTEX (ppm) ND Field headspace (ppm) TPHND : Yes No _X (If yes, attach sample results) THE INFORMATION ABOVE IS TRUE AND COMPLETE TO THE BEST OF EF.		





Organic Analysis - Pit Closure

Caulkins Oil Company

Project ID:	

Breech Pits

Sample ID:

Breech E 102 - Landfarm

Lab ID: Sample Matrix: 7025

Soil

Total Volatile Petroleum Hydrocarbons

o-Terphenyl

Report Date:

06/30/97

Date Sampled: Date Received: 06/04/97 06/06/97

Preservative: Condition:

ND

80

Cool Intact

66.0

50 - 150%

Target Analyte.	Concentration (mg/kg)	Detection Limit (mg/kg)
Total Aromatic Hydrocarbons	ND	
Benzene	ND	0.73
Toluene	ND	0.73
Ethylbenzene	ND	0.73
m,p-Xylenes	ND	1.47
o-Xylene	ND	0.73

Total Recoverable	Petroleum Hydrocarbons	ND	32.6
Quality Control:	<u>Surrogate</u>	Percent Recovery	Acceptance Limits
	Trifluorotoluene	97	81 - 117%
•	Trifluorotoluene	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:



Organic Analysis - Pit Closure

Caulkins Oil Company

Project ID:

Breech Pits

Sample ID:

Breech E 102 - Pit

Lab ID: Sample Matrix: 7024

Soil

Report Date:

06/30/97 06/04/97 Date Sampled:

Date Received: Preservative:

06/06/97

Condition:

Cool Intact

Target Analyte	Concentration (mg/kg)	Detection Limit (mg/kg)
Total Aromatic Hydrocarbons	ND	
Benzene	ND	0.33
Toluene	ND	0.33
Ethylbenzene	ND	0.33
m,p-Xylenes	ND	0.65
o-Xylene	ND	0.33
Total Volatile Petroleum Hydrocarbons	ND	29.3
Total Recoverable Petroleum Hydrocar	rbons ND	33.0

Quality Control:	Surrogate	Percent Recovery	Acceptance Limits
•	Trifluorotoluene	97	81 - 117%
	Trifluorotoluene	95	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:

CAULKINS OIL SITE SECURITY DIAGRAM

