# District I Box 1980, Hobbs NM District II DEPUTACHOS GAS NS SECTOR

District IAI 8 1997 1000 Rio Brazos Rd, Aziec, NM 87410 State of New Mexico SUBMIT 1 COPY TO Energy, Minerals and Natural Resources Dept. APPROPRIATE

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: Breech "E" 58-M				
Location: Unit or Qtr/Qtr Sec P Sec 3 T 26N R 6W County Rio Arrib	<u>a_</u>			
Pit Type: Separator_X Dehydrator Other				
Land Type: BLM_X_, State, Fee, Other				
Pit Location: Pit dimensions: length 20', width 20', depth 5' (Attach diagram)  References: wellhead X, other				
Footage from reference: 90'				
Direction from reference: 270 Degrees East North _				
of <u>X</u> West South _				
Less than 50 feet (20 points)  Depth to Ground Water: 50 feet to 99 feet (10 points)  (Vertical distance from contaminants to seasonal high water elevation of ground water)  Less than 50 feet (20 points)  (10 points)  O				
Wellhead Protection Area. JUN - 2 1997 Yes (20 points) (Less than 200 feet from a private No (0 points) domestic water source, or; less OIL CONo DIV than 1000 feet from all other OIL CONo DIV water sources)	_			
Distance to Surface Water:  (Horizontal distance to perennial lakes, ponds, rivers, streams, creeks, irrigation canals and ditches)  Less than 200 feet (20 points)  200 feet to 1000 feet (10 points)  Greater than 1000 feet (0 points)  0	_			
RANKING SCORE (TOTAL POINTS): 0				

	arted: 6-25-96 Date Completed: 10-15-96					
Remediation Method: Check all appropriate	Excavation X Approx. cubic yards 295					
	Landfarmed X Insitu Bioremediation					
Other Aeration and Dilution						
Remediation Location (ie. landfarmed onsite, name and location of offsite facility)	n: Onsite X Offsite					
General Description	of Remedial Action: Pit was excavated with backhoe					
until composite fie.	ld headspace samples from pit was zero. Excavated					
soil was laid out or	n location in 10" lifts and rototilled periodically to					
aerate. Composite	headspace samples from landfarm are indicated on ackfilled and disturbed areas on location re-seeded.					
diagram. Pit was be	in center of backfilled pit to obtain final soil					
samples from landfa	rmed soil used for fill dirt and 2' below bottom of					
excavated pit for f	inal pit bottom sample per OCD request for final pit					
closure.						
Ground Water Encountered: No X Yes Depth						
Final Pit:	Sample location <u>Center of backfilled pit. 5' from</u>					
Closure Sampling:	surface "landfarmed soil" and 14' from surface					
(if multiple samples,	"pit bottom".					
attach sample results and diagram of sample	Sample depth <u>5' fill and 14' bottom of pit</u>					
	Sample date 4-15-97 Sample time 11:00 a.m.					
	Benzene (ppm) <u>0 fill .16 pit bottom</u>					
	Total BTEX (ppm)54 fill .89 pit bottom					
	Field headspace (ppm)					
·	TPH0					
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 5-30-97						
SIGNITURE ROBERT L. VERQUER, SUPERINTENDENT						



## **Organic Analysis - Pit Closure**

### **Caulkins Oil Company**

Project ID:

Pit Remediation

Report Date:

05/16/97

Sample ID:

Breech E58-M Fill

Bromofluorobenzene

o-Terphenyl

Date Sampled: Date Received: 04/15/97 04/16/97

Lab ID:

6747

Preservative:

Cool

74 - 121% 50 - 150%

Sample Matrix:

Soil

Condition:

Intact

Target Analyte		Concentration (mg/kg)	Detection Limit (mg/kg)
Total Aromatic Hyd	drocarbons	0.54	
	Benzene	ND	0.16
	Toluene	0.19	0.16
	Ethylbenzene	ND	0.16
	m,p-Xylenes	0.35	0.31
	o-Xylene	ND ·	0.16
Total Volatile Petroleum Hydrocarbons		ND	14.0
Total Recoverable Petroleum Hydrocarbons		ND .	29.9
Quality Control:	<u>Surrogate</u> Trifluorotoluene	Percent Recovery 105	Acceptance Limits 50 - 150%

Reference:

Method 5030, Purge and Trap; Method 8020, Aromatic Recoverable Organics;

98

95

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:

Denise //



# **Organic Analysis - Pit Closure**

### **Caulkins Oil Company**

Project ID:

Pit Remediation

Sample ID:

Sample Matrix:

Breech E58-M Bottom Of Pit

Lab ID:

6748 Soil

Report Date: Date Sampled: Date Received: 05/16/97 04/15/97 04/16/97

Preservative:

Cool

Condition:

Intact

Target Analyte	Concentration (mg/kg)	Detection Limit (mg/kg)
Total Aromatic Hydrocarbons	0.89	
Benzene	0.16	0.15
Toluene	0.20	0.15
Ethylbenzene	ND ·	0.15
m,p-Xylenes	0.36	0.31
o-Xylene	0.17	0.15
Total Volatile Petroleum Hydrocarbons	ND	13.9
Total Recoverable Petroleum Hydrocarbons	ND	32.9

Quality Control:	<u>Surrogate</u>	Percent Recovery	Acceptance Limits
	Trifluorotoluene	95	50 - 150%
	Bromofluorobenzene	103	74 - 121%
	o-Terphenyl	100	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

