DEPUTY OIL & GAS INSPECTOR
P.O. Drawer DD, Artesia, NM 88221

AUG O 8 1997

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

Harrowed

# PIT REMEDIATION AND CLOSURE REPORT

Operator: Cau	lkins Oil Company	Telephone: (	505) 632-1544	
Address: P.O.	Box 340, Bloomfield, NM	87413		
Facility or Well	Name: State "A" 62			-
Location: Unit	or Qtr/Qtr Sec_A_Sec_2_	T 26N R 6W	_ County <u>Rio Arriba</u>	-
Pit Type: Sepa:	rator <u>X</u> Dehydrator	Other		-
Land Type: BLM, State_X_, Fee, Other				
Pit Location: (Attach diagram)	Pit dimensions: length	_, other		
			west south	-
<b>Depth to Gro</b> (Vertical distan contaminants to	und Water: 50 feet to the from Greater to	to 99 feet	(20 points) (10 points) (0 points)0	-
Wellhead Pro	tection Area DECEIV feet from a prival JUN - 2 1933 from all other		(20 points) (0 points) <u>0</u>	-
water sources)  Distance to	OIL CONo Surface Water: Lessitha tance to perennial 200 feet ivers, streams, Greater	DOVE n 200 feet to 1000 feet than 1000 feet	(10 points)	-
	RAN	KING SCORE (TO	TAL POINTS): 0	-

Date Remediation Sta	rted: <u>4-29-96</u> Date Completed: <u>10-14-96</u>	
Remediation Method: Check all appropriate	Excavation X Approx. cubic yards 100	
	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	
	ld headspace samples from pit was zero. Excavated	
	location in 8" lifts and rototilled periodically to	
	neadspace samples from landfarm are indicated on	
	ackfilled and disturbed areas on location re-seeded. In center of backfilled pit to obtain final soil	
	emed soil used for fill dirt and 2' below bottom of	
	inal pit bottom sample per OCD request for final pit	
closure.		
Ground Water Encount	tered: No X Yes Depth	
Final Pit:	Sample location <u>Center of backfilled pit. 4' from</u>	
Closure Sampling: surface "landfarmed soil" and 10' from surface		
(if multiple samples,	"pit bottom".	
attach sample results and diagram of sample	Sample depth 4' fill and 10' bottom of pit	
	Sample date <u>4-15-97</u> Sample time <u>11:30 a.m.</u>	
	Benzene (ppm) 0	
	Total BTEX (ppm) 0 fil 1.09 pit bottom	
·	Field headspace (ppm)	
,	TPH 0 fill 105 pit bottom	
Ground Water Sample	: Yes No X (If yes, attach sample results)	
I HEREBY CERTIFY THAT MY KNOWLEDGE AND BELL	THE INFORMATION ABOVE IS TRUE AND COMPLETE TO THE BEST OF EF.	
DATE 5-30-97		
	DOTAMINO NAME	
SIGNATURE Robert I Ve		



## **Organic Analysis - Pit Closure**

#### **Caulkins Oil Company**

Project ID:

Pit Remediation

Sample ID:

State A 62 Fill

Lab ID:

6737 Sample Matrix: Soil

Report Date: Date Sampled: 05/16/97

Date Received:

04/15/97

Preservative:

04/16/97 Cool

Condition:

Intact

Target Analyte	Concentration (mg/kg)	Detection Limit (mg/kg)
Total Aromatic Hydrocarbons	ND	
Benzene	ND	0.16
Toluene	ND	0.16
Ethylbenzene	ND	0.16
m,p-Xylenes	ND	0.33
o-Xylene	ND ·	0.16
Total Volatile Petroleum Hydrocarbons ND		36.6
Total Recoverable Petroleum Hydrocarbons	ND	32.9

Quality Control:	<u>Surrogate</u>	Percent Recovery	Acceptance Limits
	Trifluorotoluene	95	50 - 150%
	Bromofluorobenzene	104	74 - 121%
	o-Terphenyl	84	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:

Quil/M2



### Organic Analysis - Pit Closure

## **Caulkins Oil Company**

Project ID:

Pit Remediation

Sample ID:

State A 62 Bottom Of Pit

Lab ID:

Sample Matrix: Soil

6738

Report Date:

05/16/97

Date Sampled: Date Received: 04/15/97

Preservative:

04/16/97

Cool

Condition:

Intact

Target Analyte		Concentration (mg/kg)	Detection Limit (mg/kg)
Total Aromatic Hydrocar	bons	1.09	
Benz	zene	ND	0.16
Tolu	ene	ND	0.16
Ethy	Ibenzene	ND	0.16
m,p-	Xylenes	0.74	0.32
o-Xy	lene	0.36	0.16
Total Volatile Petroleum	Hydrocarbons	ND	36.3
Total Recoverable Petrol	eum Hydrocarbons	105	30.2
Quality Control: Surr	ogate	Percent Recovery	Acceptance Limits

Trifluorotoluene	101	50 - 150%
Bromofluorobenzene	126 .	74 - 121%
o-Terphenyl	88	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:

Clive MC

