District I
PO Box 1980, Hobbs, NM
District II
PO. Drawer DD, Aricaia, NM 88211
District III
1000 Rio Brazos Rd, Azzec, NM 87410

## State of New Mexico : Energy, Minerals and Natural Resources Department

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

#### OIL CONSERVATION DIVISION

P.O. Box 2088

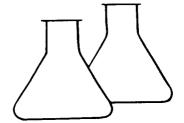
Santa Fe, New Mexico 87504-2088

#### PIT REMEDIATION AND CLOSURE REPORT

Operator: Amoco Production Company	Telephone: (505) - 326-9200
Address: 200 Amoco Court, Farmingto	n, New Mexico 87401
Facility or: R.P. Hargrave K Well Name	
Location: Unit or Qtr/Qtr Sec M	Sec 16 T 27 R 10 County San Juan
Pit Type: Separator Dehydrator	Other Blow
Land Type: BLM X, State, Fee	, other <u>SF-077382</u>
Footage from reference	th 50 , width 36 , depth 13  X, other  a: 240  nce: 30 Degrees East North X  West South
Depth To Ground Water:  (Vertical distance from contaminants to seasonal high water elevation of ground water)	Less than 50 feet (20 points) 50 feet to 99 feet (10 points) Greater than 100 feet (0 Points)  DECEMBER  Yes (20 points)
Wellhead Protection Area: (Less than 200 feet from a private domestic water source, or; less than 1000 feet from all other water sources)	SEP 2 0 1994  Yes (20 points)  NO (0 points)  DIST. 3
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)
	RANKING SCORE (TOTAL POINTS):

pate Remediation Sta	arted:	Date	Completed:	8/31/44
emediation Method:	Excavation X	Approx. cu		_
<pre>cneck all appropriate estions)</pre>	Landfarmed X		oremediation	
,	other 70% 4	andfarm, 30	0% Compost	
	· •	,		
Remediation Location	n: Onsite Kof	fsite		
<pre>.e. landfarmed onsite, ame and location of ffsite facility)</pre>	. , ,			•
General Description	Of Remedial Actic	D:		
Excavation	on .	<u></u>		·
		,		
Ground Water Encoun	tered: No X	Yes	Depth	
Final Pit: Closure Sampling: If multiple samples,	Sample location	see Attached	Documents	
attach sample results and diagram of sample	Sample depth	11.		
locations and depths)	Sample date 8	- 31- 94	Sample time	
	Sample Results			
	Benzene (ppm	0.090		
	Total BTEX(	ppm) 28.300	<u> </u>	
	Field heads	pace(ppm)	487	
	TPH 3600	ppm		
Ground Water Sample	e: Yes No/	(If yes,	attach sample	e results)
HEREBY CERTIFY THE	HAT THE INFORMATIO	N ABOVE IS TR	UE AND COMPLE	TTE TO THE BEST
EATE 9/16/99	PRINTE AND TI	D NAME BU	is who artal	haw inster

CLIENT FIRE	ENVIROTECH Inc.	=: NE Acid
	US HWY 64, FARMINGTON, NM 8 (505) 632-0615	37401 000 ND 3901
FIELD REPORT: CLO		945E No of
QUAD/UNIT: 41 SEC: /41 TWP: 27/		
SOIL REMEDIATION: EXCAVATION AP DISPOSAL FACILITY: See LAND USE: 12444	Count for any of the CI	JBIC YARDAGE: <b>¥70</b>
FIELD NOTES & REMARKS: PIT LOCAL DEPTH TO GROUNDWATER NEAREST NMOCD RANKING SCORE NMECD TPH	ATED APPROXIMATELY NEAR	FEET LE FROM WELLHEAD
SCIL AND EXCAVATION DESCRIPTION:		
	Particular of the property of a particular of the particular of th	) Fit -
o FEET PIT PERIMETER	OVM RESULTS	PIT PROFILE
	SAMPLE FELD HEADSPACE PID (ppm)  4 4 4 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	(Several Server Description of the Control of the C



5796 US Highway 64-3014 • Farmington, New Mexico 87401 PHONE: (505) 632-0615 • FAX: (505) 632-1865

#### EPA METHOD 418.1 TOTAL PETROLEUM HYDROCARBONS

Client:	Amoco	Project #:	92140
Sample ID:	2011"	Date Sampled:	08-31-94
Laboratory Number:	7871	Date Received:	08-31-94
Sample Matrix:	Soil	Date Analyzed:	09-02-94
Preservative:	Cool	Date Reported:	09-02-94
Condition:	Cool and Intact	Analysis Needed:	TPH

Parameter	Concentration (mg/kg)	Limit (mg/kg)
Total Petroleum Hydrocarbons	3600	10.0

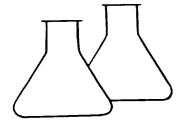
ND = Parameter not detected at the stated detection limit. N/A = Not applicable

Method 418.1, Petroleum Hydrocarbons, Total Method:

Recoverable, Chemical Analysis of Water and

Waste, USEPA Storet No.4551, 1978

Comments: RP Hargrave K #1 Blow Pit A0104



5796 US HIGHWAY 64-3014 • FARMINGTON, NEW MEXICO 87401 PHONE: (505) 632-0615 • FAX: (505) 632-1865

#### EPA METHOD 8020 AROMATIC VOLATILE ORGANICS

Client: Sample ID: Laboratory Number: Sample Matrix: Preservative: Condition:	Amoco 2@11' 7871 Soil Cool Cool & Intact	Project #: Date Reported: Date Sampled: Date Received: Date Extracted: Date Analyzed:	92140 09-06-94 08-30-94 08-30-94 09-01-94 09-02-94
		Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene Toluene Ethylbenzene p,m-Xylene o-Xylene	90 1190 24300 ND 2720	19.1 19.1 12.7 19.1 19.1

SURROGATE RECOVERIES:

Parameter

\_\_\_\_\_ Trifluorotoluene Percent Recovery

100 %

Method:

Method 5030, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992

Method 8020, Aromatic Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept. 1986.

ND - Parameter not detected at the stated detection limit.

Comments: RP Hargrave K #1 blow pit A0104

District I
P O Box 1980, Hobbs, NM
District II
P O. Drawer DD, Arcess, NM 88211
District III
1000 Rso Brazos Rd, Azzec, NM 87410

### State of New Mexico : Energy, Minerals and Natural Resources Department

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

# OIL CONSERVATION DIVISION P.O. Box 2088 Santa Fe, New Mexico 87504-2088

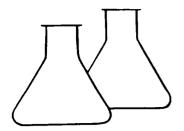
PIT REMEDIATION AND CLOSURE REPORT

		6-
Operator:	Amoco Production Compan	y Telephone: (505) - 326-9200
Address:	200 Amoco Court, Farmin	gton, New Mexico 87401
Well Name Location: Unit Pit Type: Sep	arator \Dehydrator	
Land Type: B	LM, State, Fee	, other <u>SF-077382</u>
	Pit dimensions: ler Reference: wellhead Footage from referer	$\frac{30}{2}$ , width $\frac{30}{2}$ , depth $\frac{9}{2}$
domestic water	nce from seasonal ation of	Less than 50 feet (20 points) 50 feet to 99 feet (10 points) Greater than 100 feet (0 Points)  PECETWED  SEP 2 0 1384  Yes (20 points) No (0 points)  OUL Greater  Disus 3
(Horizontal dis	Surface Water: stance to perennial rivers, streams, creeks, als and ditches)	Less than 200 feet (20 points) 200 feet to 1000 feet (10 points) Greater than 1000 feet (0 points)  RANKING SCORE (TOTAL POINTS):

Date Remediation St	arted:	Date Completed:	8/31/94
Remediation Method:	Excavation X	Approx. cubic yards	
<pre>cneck all appropriate sections)</pre>	Landfarmed X	Insitu Bioremediation	
	,	andfarm, 30% Compart	
		•	
Remediation Location	a: Onsite X Of:	fsite 💆 🦻	
name and location of offsite facility)			
General Description	Of Remedial Action	n:	
Excavation	·		
		·	
Ground Water Encoun	tered: No X	Yes Depth	
Final Pit: Closure Sampling: If multiple samples,	Sample location _	see Attached Documents	
attach sample results and diagram of sample	Sample depth	9'	
locations and depths)	Sample date 8	3(-99 Sample time	<u> </u>
	Sample Results		
	Benzene(ppm)	[.360]	
	Total BTEX(p	opm) 20.1	
	Field headsp	pace(ppm) 463	
	TPH <u>5900</u>	ppm	
Ground Water Sample	: Yes No 7	(If yes, attach samp)	le results)
I HEREBY CERTIFY THOSE MY KNOWLEDGE AND		N ABOVE IS TRUE AND COMP	LETE TO THE BEST
TATE 9/16/14	<i>k</i>	RIIN	51.
SIGNATURE BAS	PRINTED AND TIT	NAME BUJLY DE	Conrdinator

\_\_\_\_\_

CLIENT 1 1 1 1	ENVIROTECH Inc.	er No Aoloy
5796	US HWY 64, FARMINGTON, NM (505) 632-0615	87401 3.23 3901
FIELD REPORT: CLO	DSURE VERIFICATION	UCB No <u>92 / 2</u> PAGE No: of
30	WELL #: 1 C. PIT: Separ RNG: BM: CNTY:	CATE STARTED: 1011  ST: DATE FINISHED:
	PPROX. 20 FT. x ST. C LEASE:	UBIC YARDAGE:
FIELD NOTES & REMARKS: PIT LEG DEPTH TO GROUNDWATER: 504 00 NEAREST NMECD PANKING SCERE	WATER SBURCE: 20200 NEA	REST SURFACE WATER <u>(*) 2000</u>
THE STATE OF STATE	FIELD 4181 CAUCULATIONS WEIGHT 191 mu. FPECN DIEUTION	· · · · · · · · · · · · · · · · · · ·
SCALE  O FEET  PIT PERIMETER	OVM RESULTS  SAMPLE FIELD HEADSPACE BID JOHN  1 1 2 3 4 4 6 6 5 5 5 6 6 6 6 6 6 6 6 6 6 6 6 6	PIT PROFILE
TRAVEL NOTES: [A5]	21.5 75	- : : :



5796 US Highway 64-3014 • FARMINGTON, New Mexico 87401 Phone: (505) 632-0615 • Fax: (505) 632-1865

#### EPA METHOD 418.1 TOTAL PETROLEUM HYDROCARBONS

Client:	Amoco	Project #:	92140
Sample ID:	4@9'	Date Sampled:	08-31-94
Laboratory Number:	7872	Date Received:	08-31-94
Sample Matrix:	Soil	Date Analyzed:	09-02-94
Preservative:	Cool	Date Reported:	09-02-94
Condition:	Cool and Intact	Analysis Needed:	TPH

Parameter	Concentration (mg/kg)	Limit (mg/kg)
Total Petroleum Hydrocarbons	5900	10.0

ND = Parameter not detected at the stated detection limit. N/A = Not applicable

Method: Method 418.1, Petroleum Hydrocarbons, Total

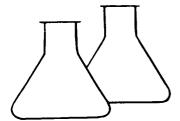
Recoverable, Chemical Analysis of Water and

Waste, USEPA Storet No.4551, 1978

Comments: RP Hargrave K #1 Sep Pit A0104

Rev & Daffin

Review Change



5796 US HIGHWAY 64-3014 • FARMINGTON, NEW MEXICO 87401 PHONE: (505) 632-0615 • FAX: (505) 632-1865

#### EPA METHOD 8020 AROMATIC VOLATILE ORGANICS

Client: Sample ID: Laboratory Number: Sample Matrix: Preservative: Condition:	Amoco 4@9' 7872 Soil Cool Cool & Intact	Project #: Date Reported: Date Sampled: Date Received: Date Extracted: Date Analyzed:	92140 09-08-94 08-31-94 08-31-94 09-02-94 09-07-94
		Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	1360	330.2
Toluene	1290	188.7
Ethylbenzene	4760	94.3
p,m-Xylene	5700	141.5
o-Xvlene	7000	141.5

SURROGATE RECOVERIES:	Parameter	Percent Recovery
	Trifluorotoluene	99 %

Method: Method 5030, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992

Method 8020, Aromatic Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept. 1986.

ND - Parameter not detected at the stated detection limit.

Comments: RP Hargrave K #1 sep pit A0104

Rox & Haiffen
nalyst
Review

Review