OK

C4920

District I
P.O. Box 1980, Hobbs, NM
District II
P.O. Drawer DD, Artesia, NM 88211
District III
1000 Rio Brazos Rd, Aztec, NM 87410

State of New Mexico
Energy, Minerals and Natural Resources Department

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

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

Denny E. Foust
DEPUTY OIL & GAS INSPECTOR

MAY 03 1999

RECEIVED
FEB 17 1999
OIL CON. DIV.
DIST. 3

Approved

PIT REMEDIATION AND CLOSURE REPORT

Operator: Amoco Production Company **Telephone:** (505) - 326-9200

Address: 200 Amoco Court, Farmington, New Mexico 87401

Facility Or: Well Name: FEDERAL GC 3 - 1

Location: Unit or Qtr/Qtr Sec N Sec 23 T 29N R 10W County SAN JUAN

Pit Type: Separator ___ Dehydrator ___ Other BLOW

Land Type: BLM X, State ___, Fee ___, Other ___

Pit Location: (Attach diagram)

Pit dimensions: length 40', width 40', depth 14'

Reference: wellhead X, other ___

Footage from reference: 39'

Direction from reference: 0 Degrees ___ East North X of ___ 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)	20
Wellhead Protection Area: (Less than 200 feet from a private domestic water source, or; less than 1000 feet from all other water sources)	Yes (20 points) No (0 points)	0
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)	10
	RANKING SCORE (TOTAL POINTS):	30

C4920 Blow Pit

Date Remediation Started: _____ **Date Completed:** 8/4/93

emediation Method: (Check all appropriate sections) Excavation X Approx. cubic yards _____

Landfarmed X Insitu Bioremediation ___

Other _____

Remediation Location: (ie. landfarmed onsite, name and location of offsite facility) Onsite X Offsite _____

General Description Of Remedial Action: _____

Excavation. GROUNDWATER ENCOUNTERED.

Ground Water Encountered: No ___ Yes X Depth 14'

Final Pit: Closure Sampling: (if multiple samples, attach sample results and diagram of sample locations and depths)

Sample location see Attached Documents

Sample depth 14'

Sample date 8/2/93 Sample time 1230

Sample Results

Benzene(ppm) _____

Total BTEX(ppm) _____

Field headspace(ppm) _____

TPH _____

Ground Water Sample: Yes X No ___ (If yes, attach sample results)

I HEREBY CERTIFY THAT THE INFORMATION ABOVE IS TRUE AND COMPLETE TO THE BEST MY KNOWLEDGE AND BELIEF

DATE 8/4/93

SIGNATURE BJ Shaw PRINTED NAME AND TITLE Buddy D. Shaw Environmental Coordinator

ENVIROTECH Inc.

5796 US HWY. 64, FARMINGTON, NM 87401
(505) 632-0615

Loc 2874
C4920

FIELD REPORT: CLOSURE VERIFICATION

JOB No: 92140
PAGE No: 1 of 1

LOCATION: LEASE: FEDERAL GAS UNIT 3 WELL: 1 QD: SE/4 SW/4 (N)
SEC: 23 TWP: 29N RNG: 10W BM: NMPM CNTY: SJ ST: NM PIT: BLOW
CONTRACTOR: P. VELASQUEZ
EQUIPMENT USED: TRACK HOE

DATE STARTED: 8-2-93
DATE FINISHED: 8-2-93
ENVIRONMENTAL SPECIALIST: RMV

SOIL REMEDIATION: QUANTITY: 40' x 40' x 14' deep
DISPOSAL FACILITY:
LAND USE: RANGE - FED LSE NO. NM-020502
SURFACE CONDITIONS:

FIELD NOTES & REMARKS: PIT LOCATED APPROXIMATELY 13 YARDS N 0°E FROM WELLHEAD.

DEPTH TO GROUNDWATER: 14'
NEAREST WATER SOURCE: >1000'
NEAREST SURFACE WATER: est 700'-1000'

SURFACE CLEAN VISIBLE CONTAMINATION NOT APPARENT. BLACK SOILS ENCOUNTERED IN CENTER BOTTOM, BELOW THE STATIC GROUNDWATER LEVEL. THIN FILM OF DARK BROWN OIL PRESENT ON GROUNDWATER. RECOMMEND Additional Remediation and emplacement of a down-gradient test hole to MONITOR CONTAMINATION OF GROUNDWATER.

LAB SAMPLES:
PIT WATER @ 14' for BTEX WATER
CB @ 14' for 418.1 SOIL

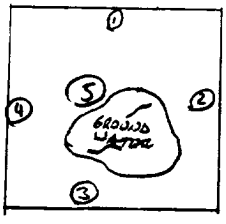
FIELD 418.1 CALCULATIONS

SAMPLE I.D.	LAB No:	WEIGHT (g)	mL. FREON	DILUTION	READING	CALC. ppm

SCALE
0 10 20 FEET

SURF FLOW & SUSP GW DOWN GRAD.
N

PIT PERIMETER



OVM RESULTS

SAMPLE ID	FIELD HEADSPACE PID (ppm)
1 @ 10'	0.8
2 @ 9'	0.8
3 @ 13'	ND
4 @ 12'	ND
5 @ 14'	164.5

PIT PROFILE

0-6' SM/ML PALE YELLOWISH BROWN SILTY SAND. DRY. FIRM. NON-COH. NO VISIBLE CONTAMINATION.

6'-14' SW/GW. PALE YELLOWISH BROWN SANDS WITH GRAVELS AND COBBLES. WET. LOOSE. NON-COH. NO VISIBLE CONTAM ABOVE STATIC GROUNDWATER LEVEL.

TRAVEL NOTES: CALLOUT: ONSITE:

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PHONE: (505) 632-0615 • FAX: (505) 632-1865

EPA METHOD 418.1
TOTAL PETROLEUM HYDROCARBONS

Client:	Amoco	Project #:	92140
Sample ID:	CB @ 14'	Date Sampled:	08-02-93
Laboratory Number:	5798	Date Received:	08-02-93
Sample Matrix:	Soil	Date Analyzed:	08-03-93
Preservative:	Cool	Date Reported:	08-03-93
Condition:	Cool & Intact	Analysis Needed:	TPH

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
Total Petroleum Hydrocarbons	132	5.0

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: Federal Gas Unit 3-1, Blow Pit, C4920.

Analyst

Review

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PHONE: (505) 632-0615 • FAX: (505) 632-1865

EPA METHOD 8020
AROMATIC VOLATILE ORGANICS

Client:	Amoco	Project #:	92140
Sample ID:	Pit Water @ 14'	Date Reported:	08-04-93
Laboratory Number:	5799	Date Sampled:	08-02-93
Sample Matrix:	Water	Date Received:	08-02-93
Preservative:	HgCl & Cool	Date Analyzed:	08-03-93
Condition:	Cool & Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/L)	Det. Limit (ug/L)
Benzene	ND	0.2
Toluene	ND	0.4
Ethylbenzene	ND	0.2
p,m-Xylene	ND	0.4
o-Xylene	ND	0.3

SURROGATE RECOVERIES:

Parameter	Percent Recovery
Trifluorotoluene	91 %
Bromofluorobenzene	99 %

Method: Method 5030, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept. 1986

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: Federal Gas Unit 3-1 Blow Pit C4920

Analyst

Review

CHAIN OF CUSTODY RECORD

Client/Project Name	Project Location	C4920 ANALYSIS/PARAMETERS
Amoco 92140	Federal Gas Unit 3-1 Blow Pit	
Sampler: (Signature)	Chain of Custody Tape No.	
Robert M Young		

Sample No./ Identification	Sample Date	Sample Time	Lab Number	Sample Matrix	No. of Containers	4 1 8 .1	BTEX					Remarks
CB @ 14'	8-2-93	1240	5798	SOIL	1	✓						
Pit Water @ 14'	8-2-93	1230	5799	WATER	2		—					

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Robert M Young	8-2-93	1410	Debra L. Queen	8-2-93	1410
Relinquished by: (Signature)			Received by: (Signature)		
Relinquished by: (Signature)			Received by: (Signature)		

ENVIROTECH INC.
5796 U.S. Highway 64-3014
Farmington, New Mexico 87401
(505) 632-0615

CLIENT: AMOCO

BLAGG ENGINEERING, INC.
P.O. BOX 87, BLOOMFIELD, NM 87413
(505) 632-1199

LOCATION NO: C4920
C.O.C. NO: 5649

FIELD REPORT: LANDFARM/COMPOST PILE CLOSURE VERIFICATION

LOCATION: NAME: FEDERAL GC WELL #: 3-1 PITS: BLOW
QUAD/UNIT: (N) SEC: 23 TWP: 29N RNG: 10W PM: NM CNTY: SJ ST: NM
QTR/FOOTAGE: SE/4 SW/4 CONTRACTOR: P & S

DATE STARTED: 12-5-97
DATE FINISHED:
ENVIRONMENTAL SPECIALIST: NV/EP.

SOIL REMEDIATION:

REMEDIATION SYSTEM: LANDFARM
APPROX. CUBIC YARDAGE: 830
LAND USE: RANGE
LIFT DEPTH (ft): NA

FIELD NOTES & REMARKS:

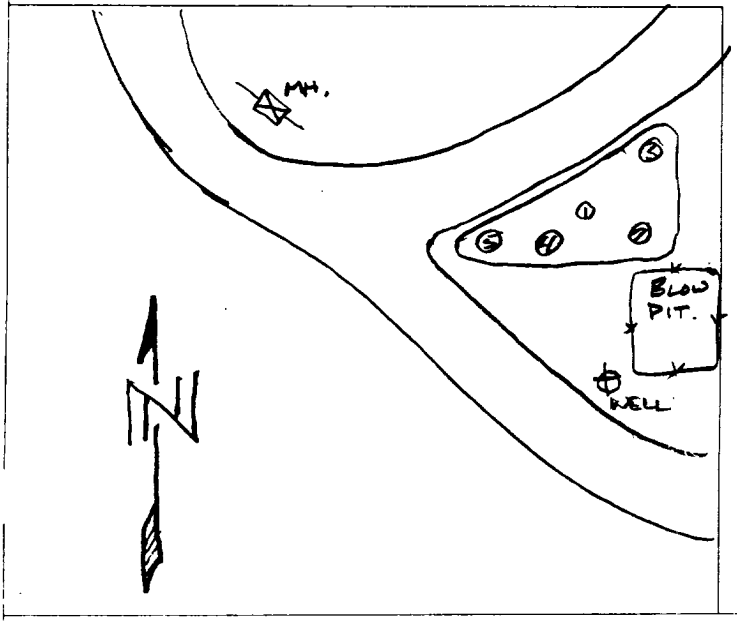
DEPTH TO GROUNDWATER: <50' NEAREST WATER SOURCE: >1000' NEAREST SURFACE WATER: <1000'
NMOCD RANKING SCORE: 30 NMOCD TPH CLOSURE STD: 100 PPM

SOIL IS A DRY DARK YELLOW W/ LIGHT BROWN SILTY SAND.
NO STAIN OR HC ODOR.
TOOK A 5PT COMPOSITE SAMPLE FROM LANDFARM AREA FOR LAB ANALYSIS.

FIELD 418.1 CALCULATIONS

SAMP. TIME	SAMPLE I.D.	LAB No:	WEIGHT (g)	mL. FREON	DILUTION	READING	CALC. ppm

SKETCH/SAMPLE LOCATIONS



OVM RESULTS

SAMPLE ID	FIELD HEADSPACE PID (ppm)
LF-1	0.0

LAB SAMPLES

SAMPLE ID	ANALYSIS	TIME	RESULTS
LF-1	8015	1010	ND

SCALE
0 FT

TRAVEL NOTES: CALLOUT: N/A ONSITE: 12-5-97 1010

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PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8015 Modified
Nonhalogenated Volatile Organics
Total Petroleum Hydrocarbons

Client:	Blagg / AMOCO	Project #:	04034-10
Sample ID:	LF - 1	Date Reported:	12-16-97
Laboratory Number:	C690	Date Sampled:	12-05-97
Chain of Custody No:	5649	Date Received:	12-15-97
Sample Matrix:	Soil	Date Extracted:	12-15-97
Preservative:	Cool	Date Analyzed:	12-15-97
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	**ND**	**0.2**
Diesel Range (C10 - C28)	**ND**	**0.1**
Total Petroleum Hydrocarbons	**ND**	**0.2**

ND - Parameter not detected at the stated detection limit.

References: Method 8015B, Nonhalogenated Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Comments: **Federal GC 3 - 1 Landfarm. 5 Pt. Composite.**

Analyst

Review

5796 U.S. Highway 64-3014 • Farmington, NM 87401 • Tel 505 • 632 • 0615 • Fax 505 • 632 • 1865

5649

CHAIN OF CUSTODY RECORD

Client/Project Name	Project Location	ANALYSIS/PARAMETERS
BURGE / AMOCO	LANDFARM FEDERAL GC 3-1	
Sampler: (Signature) Ed Potter jnr	Chain of Custody Tape No. 04034-10	

Sample No./ Identification	Sample Date	Sample Time	Lab Number	Sample Matrix	No. of Containers	TPH (8015)						Remarks
												PRESERV. - COOL
LF-1	12/5/97	1010	C690	SOIL	1	✓						5 PT. COMPOSITE
				SAMPLE	RECEIVED	COOL	&	INTACT				DLH

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Ed Potter jnr	12/14/97	1200	Nelson Velez	12/14/97	1200
Relinquished by: (Signature) Nelson Velez	12/15/97	0716	Received by: (Signature) Sherry L. Apodaca	12-15-97	0716
Relinquished by: (Signature)			Received by: (Signature)		

Ref COC's 5648 → 5656

ENVIROTECH INC.
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