B0075

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

State of New Mexico Sep = 01
Energy, Minerals and Natural Resources Department

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

Blar-OH

OIL CONSERVATION DE LA SALOR P.O. BOX 2008

	Denied 12/10/96	-LF	
Operator:	,	Telephone: (505) - 326-9200	
Address:	200 Amoco Court, Farmington	n, New Mexico 87401	
Facility Or:	SCHWERDTFEGER A	*3E	
Mett Name			
Location: Unit	or Qtr/Qtr Sec S	ec 6 T27 NR 8 W County SAN JUAN	
Pit Type: Sepa	ratorDehydratorC	Other BLOW	
Land Type: BL	M_X, State, Fee	, Other	
Pit Location: 'Attach diagram)		n20', width20', depth6'	
1	Reference: wellhead X	, other	
	Footage from reference:		
Direction from reference: O Degrees East North X of West South			
Depth To Ground (Vertical distance contaminants to a high water elevated ground water)	ce from seasonal	Less than 50 feet (20 points) 50 feet to 99 feet (10 points) Greater than 100 feet (0 Points)	
domestic water so	ection Area: eet from a private ource, or; less than ll other water sources)	Yes (20 points) No (0 points) <u>O</u>	
	ance to perennial vers, streams, creeks,	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:_	9-2-94
emediation Method:	Excavation X	Approx. cubic yards	80
Check all appropriate	Landfarmed X	Insitu Bioremediation	
	Other		
	·		
Remediation Locatio (ie. landfarmed onsite, name and location of offsite facility)		fsite	-
General Description	Of Remedial Actio	n:	
Excavation	on		
		·	
Ground Water Encoun	tered: No X	Yes Depth	
Final Pit:	Sample location _	see Attached Documents	
Closure Sampling: (if multiple samples,			
attach sample results and diagram of sample Sample depth 7 (WEST SIDEWALL)			
locations and depths)	Sample date $9/$	2/94 Sample time	
	Sample Results		
	Benzene(ppm)		
	Total BTEX(p	ppm)	
	Field heads	pace(ppm)2	
	TPH ND	<u> </u>	
	: Van Was	$\underline{\mathcal{X}}$ (If yes, attach sample	recults\
Ground Water Sample	Yes NO _	/ (II yes, attach sample	resurcs;
I HEREBY CERTIFY TH		N ABOVE IS TRUE AND COMPLE	TE TO THE BEST
DATE 9/13/99	A PRINTER	NAME Buddy D. S PLE Environmental	haul.
SIGNATURE SAL	aw AND TIT	TLE Environmental	Coordinator

<u>,</u>		RESHUTS	70 B=6 1	u Cor 9	-2-41	~ ~ ~	
CLIENT: A WO	<u>со</u> Р.		87, BL	GINEERI OOMFIE 632-1	LD, NI		3 C.D.C. ND:
	FIELD R	REPORT:	PIT	CLOSUF	RE VE	RIFICAT	
LOCATION: NAME							DATE STARTED: 9-2-99 DATE FINISHED:
QTR/FOOTAGE:	800' FSL. 8	oo' FWL C	ONTRACTOR	PAUL	+ Soi	vs.	ENVIRONMENTAL RES
SOIL REMEDIATION DISF	ON: EXCAVA	ATION AP	PROX	20 FT.	x2	O FT.	x _6_ ft. deep. RDAGE:80
LAN	D USE:	PANGE		Ll	EASE: _		
FIELD NOTES &	REMARKS:	PIT LOCA	ATED APPR	ROXIMATELY Ce: 7[0	y <u>80</u> 00' NE	FEET AREST SURF	ACE WATER: 71000'
NMOCD RANKING SCORE: 10 NMOCD TPH CLOSURE STD: 1000 PPM							
SOIL AND EXCAV	ATION DESC	RIPTION	SOIL IS	MOIST, BE	N FIT	CENTER.	NO ODGE STAIN,
							CLOSE PIT
ĺ	SAMPLE I.D.	IAR No: I	FIELD 418	nL. FREON	DILUTION	READING C	ALC. ppm
	WB @ 7'	1109	10.0		_	2	4 = 40
SCALE							
SCALL					<u> </u>		
0 5 10FT PIT P	ERIMET	סיםי	-	OVM		PI'	r profile
PII P		LIV		SULTS			
SURFACE	1 1 1 1 1 1		SAMPLE ID 1 NS & 4'	FIELD HEADSPACE PID (ppm)	—F		
- CANDIONT		. N [_	2 ESC 41 3 SSC 41	2			\exists
	0	_	4W&@ 7				
├ ∦ <i>/</i>	~ ↓		-				
	THEL 2						161 =
	PIT	. –					
	3		LAB	SAMPLES			_
							_
							\exists
	1 to war						
MDAVEL NOTES	7				Ш		
TRAVEL NOTES:	CALLOUT:	9-1-94		ONSIT	E: 9	-2-94	1100

P.O. Box 87, Bloomfield, New Mexico 87413 Phone: (505)632-1199 Fax: (505)632-3903

FIELD MODIFIED EPA METHOD 418.1 TOTAL PETROLEUM HYDROCARBONS

Client:

Amoco

Project #:

9-02-94

Sample ID:

WB @ 7'

Date Analyzed: Date Reported:

Project Location:

Schwerdtfeger A 3E

9-02-94

Laboratory Number:

TPH-1109

Sample Matrix:

Soil

Parameter	Result, mg/kg	Detection Limit, mg/kg	

Total Recoverable Petroleum Hydrocarbons	ND	10	

ND = Not Detectable at stated detection limits.

QA/QC:

QA/QC Sample TPH mg/kg

Duplicate

%

TPH mg/kg

*Diff.

440

450

2

Method:

Modified Method 418.1, Petroleum Hydrocarbons, Total

Recoverable. Chemical Analysis of Water and Waste,

USEPA Storet No.4551, 1978

Comments:

Blow Pit - B0075

R. ε. Ohall Analyst

^{*}Administrative Acceptance limits set at 30%.

P.O. Box 87, Bloomfield, New Mexico 87413 Phone: (505)632-1199 Fax: (505)632-3903

Field TPH-Worksheet

Max Characters:

Client:

Amoco

Sample ID:

WB @ 7'

Date Analyzed: 9-02-94 Date Reported: 9-02-94

Project Location: Laboratory Number: Schwerdtfeger A 3E

Soil

TPH-1109

Sample Matrix:

Project #:

Sample Weight:

10.00 grams

Volume Freon:

20.00 mL

Dilution Factor:

1 (unitless)

TPH Reading:

2 mg/kg

TPH Result:

4.0 mg/kg

Reported TPH Result: **Actual Detection Limit:** ND mg/kg

10.0 mg/kg

Reported Detection Limit

10 mg/kg

QA/QC:

Original TPH mg/kg Duplicate TPH mg/kg %

440

Diff.

450

2

Comments:

Comments:

Blow Pit - B0075

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

State of New Mexico Energy, Minerals and Natural Resources Department

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

Operator:	Amoco Production Company	Telephone: (505) - 326-9200
Address:	200 Amoco Court, Farmington	n, New Mexico 87401
Facility Or:	SCHWERST FEGER A # 3	3 <i>E</i>
		ec 6 T27N R 8 W County SAN JUAN
Pit Type: Sepa	rator Dehydrator X C	Other
Land Type: BL	MX, State, Fee	, Other
Pit Location: Attach diagram)	Reference: wellhead X Footage from reference:	20', width 20', depth 19' , other 95 ce: 85 Degrees East North X of
Depth To Groun (Vertical distance contaminants to a high water elevate ground water)	ce from seasonal cion of section Area:	Less than 50 feet (20 points) 50 feet to 99 feet (10 points) Greater than 100 feet (0 Points) Yes (20 points)
domestic water so	eet from a private ource, or; less than Il other water sources)	No (0 points) <u>O</u>
	nce to perennial vers, streams, creeks,	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:	9-2-94	
lemediation Method:	Excavation \underline{X}	Approx. cubic yards	250	
(Check all appropriate sections)	Landfarmed X	Insitu Bioremediation _		
	Other			
Remediation Locatio (ie. landfarmed onsite, name and location of offsite facility)	n: Onsite X Offs	site		
-	Of Remedial Action:	:		
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	15' (WEST SIDEWALL)		
locations and depths)		2-99 Sample time		
	Sample Results			
	Benzene(ppm)	0.0122		
	Total BTEX(ppr			
		ce(ppm) <u>567</u>		
	трн 970 РР			
TPH 170 (FF)				
Ground Water Sample	: Yes No <u>X</u>	(If yes, attach sample :	results)	
I HEREBY CERTIFY TH		ABOVE IS TRUE AND COMPLET	E TO THE BEST	
DATE 9/13/99	A	RIINSI	. a. 1	
SIGNATURE BASI	AND TITLE	NAME Buddy D. SI ENVIRONMENTAL C	oordinator	

	REJULTS TO BOB MILOY 9-2-94 PEO / BTEY: PASSED				
CLIENT: AMOLO	BLAGG ENGINEERING, INC. LOCATION NO. 80075				
CLILATI	P.O. BOX 87, BLOOMFIELD, NM 87413				
	(505) 632-1199				
	REPORT: PIT CLOSURE VERIFICATION				
LOCATION: NAME: SCH	EROTFEGER A WELL #: 3E PIT: DEH ? DATE STARTED: 9-2-94				
QUAD/UNIT L SEC:	6 TWD 27 N PNG & W BM NM CNTY (J ST: NA				
	FSL. 800 FWL CONTRACTOR: PMIL + SONS ENVIRONMENTAL RECT				
	CAVATION APPROX. 20 FT. x 20 FT. x 19 FT. DEEP.				
DISPOSAL I	FACILITY: ON SITE - L.F. CUBIC YARDAGE: 250				
LAND USE:	LEASE:OAt.				
FIELD NOTES & REMAR	FIELD NOTES & REMARKS: PIT LOCATED APPROXIMATELY 95 FEET N85°W FROM WELLHEAD.				
DEPTH TO GROUNDWATER: >50' NEAREST WATER SOURCE: >1000' NEAREST SURFACE WATER: >1000'					
NMOCD RANKING SCORE: 10 NMOCD TPH CLOSURE STD: 1000 PPM					
SHILL AND EXCAVATION DESCRIPTION: MOIST, BROWN, SILTY STAND - SOME SCIENT ODOR					
AMD STAIN IN WEST WALL. NO ODOR/STAIN IN OTHER					
	waters of 6000m.				
	FIELD 418.1 CALCULATIONS				
SAMPLE	I.D. LAB No: WEIGHT (g) ML. FREON DILUTION READING CALC. ppm				
CB @ 2					
WCO					
SCALE					
0 10 20FT	OVM DIM DROELLE				
PIT PERIM	IETER RESULTS PIT PROFILE				
	SAMPLE FIELD HEADSPACE				
	SAMPLE FIELD HEADSPACE PID (ppm) 1 NSC 15 9				
	SAMPLE FIELD HEADSPACE PID (ppm) 1 NSC IS 9 2 NESC 12' 1				
	SAMPLE FIELD HEADSPACE 1D 1D (ppm) 1 NSC 15 9 2 NESC 12' 1 3 SSC 14' 1 4 WSC 15 5 6 7				
	SAMPLE FIELD HEADSPACE 1D 1D (ppm) 1 NSC 15 9 2 NESC 12' 1 3 SSC 14'				
	SAMPLE FIELD HEADSPACE PID (ppm) 1 NS@ IS 9 2 NES@ [2' 1 3 SS@ 14' 1 4 WS@ IS 5 6 7 5 CB@ 21' 1 1				
	SAMPLE FIELD HEADSPACE PID (ppm) 1 NS@ IS 9 2 NES@ [2' 1 3 SS@ 14' 1 4 WS@ IS 5 6 7 5 CB@ 21' 1 1				
	SAMPLE FIELD HEADSPACE PID (ppm) 1 NS@ IS 9 2 NES@ [2' 1 3 SS@ 14' 1 4 WS@ IS 5 6 7 5 CB@ 21' 1 1				
	SAMPLE FIELD HEADSPACE PID (ppm) 1 NS@ IS 9 2 NES@ [2' 1 3 SS@ 14' 1 4 WS@ IS 5 6 7 5 CB@ 21' 1 1				
	SAMPLE FIELD HEADSPACE PID (ppm) 1 NS@ IS 9 2 NES@ [2' 1 3 SS@ 14' 1 4 WS@ IS 5 6 7 5 CB@ 21' 1 1				
SUAFALE SUAFALE	SAMPLE FIELD HEADSPACE PID (ppm) 1 NS@ IS 9 2 NES@ [2' 1 3 SS@ 14' 1 4 WS@ IS 5 6 7 5 CB@ 21' 1 1 LAB SAMPLES				
	SAMPLE FIELD HEADSPACE PID (ppm) 1 NS@ IS 9 2 NES@ [2' 1 3 SS@ 14' 1 4 WS@ IS 5 6 7 5 CB@ 21' 1 1 LAB SAMPLES				
SUAFAIC	SAMPLE FIELD HEADSPACE PID (ppm) 1 NS@ IS 9 2 NES@ [2' 1 3 SS@ 14' 1 4 WS@ IS 5 6 7 5 CB@ 21' 1 1 LAB SAMPLES				

P.O. Box 87, Bloomfield, New Mexico 87413 Phone: (505)632-1199 Fax: (505)632-3903

FIELD MODIFIED EPA METHOD 418.1 TOTAL PETROLEUM HYDROCARBONS

Client:

Amoco

Project #:

Sample ID:

WS @ 15'

Date Analyzed:

9-02-94

Project Location:

Schwerdtfeger A 3E

Date Reported:

9-02-94

Laboratory Number:

TPH-1108

Sample Matrix:

Soil

Parameter	Result, mg/kg	Detection Limit, mg/kg	
Total Recoverable		·	
Petroleum Hydrocarbons	970	10	

ND = Not Detectable at stated detection limits.

QA/QC:

QA/QC Sample TPH mg/kg

Duplicate TPH mg/kg %

450

*Diff.

2

440 *Administrative Acceptance limits set at 30%.

Method:

Modified Method 418.1, Petroleum Hydrocarbons, Total

Recoverable, Chemical Analysis of Water and Waste,

USEPA Storet No.4551, 1978

Comments:

Dehydrator Pit - B0075

R. E. O'Null Analyst

J. C. Blogg Review

P.O. Box 87, Bloomfield, New Mexico 87413 Phone: (505)632-1199 Fax: (505)632-3903

Field TPH-Worksheet

Max Characters:

Client:

Amoco

Project #:

Sample ID:

WS @ 15'

Date Analyzed:

9-02-94

Project Location:

Schwerdtfeger A 3E

Date Reported: 9-02-94

Laboratory Number:

TPH-1108

Sample Matrix:

Soil

Sample Weight:

10.00 grams

Volume Freon:

20.00 mL

Dilution Factor:

1 (unitless)

TPH Reading:

485 mg/kg

TPH Result:

970.0 mg/kg

Reported TPH Result:

970 mg/kg

Actual Detection Limit:

10.0 mg/kg

Reported Detection Limit

10 mg/kg

QA/QC:

Original TPH ma/ka Duplicate TPH mg/kg %

440

450

Diff.

2

Comments:

Comments:

Dehydrator Pit - B0075

P.O. Box 87, Bloomfield, New Mexico 87413 Phone: (505)632-1199 Fax: (505)632-3903

FIELD MODIFIED EPA METHOD 418.1 TOTAL PETROLEUM HYDROCARBONS

Client:

Amoco

Project #:

Sample ID:

CB @ 21'

Date Analyzed:

9-02-94

Project Location:

Schwerdtfeger A 3E

Date Reported:

9-02-94

Laboratory Number:

TPH-1107

Sample Matrix:

Soil

Parameter

Result, mg/kg

Detection Limit, mg/kg

_...., .

Total Recoverable

Petroleum Hydrocarbons

ND

10

ND = Not Detectable at stated detection limits.

QA/QC:

QA/QC Sample TPH mg/kg Duplicate

%

TPH mg/kg

*Diff.

440

450

2

Method:

Modified Method 418.1, Petroleum Hydrocarbons, Total

Recoverable, Chemical Analysis of Water and Waste,

USEPA Storet No.4551, 1978

Comments:

Dehydrator Pit - B0075

f. ξ OneA Analyst

Rexiew

^{*}Administrative Acceptance limits set at 30%.

P.O. Box 87, Bloomfield, New Mexico 87413 Phone: (505)632-1199 Fax: (505)632-3903

Field TPH-Worksheet

Max Characters:

Client:

Amoco

Project #:

Sample ID:

CB @ 21'

Date Analyzed: Date Reported:

9-02-94

Project Location:

Schwerdtfeger A 3E

9-02-94

Laboratory Number:

TPH-1107

Sample Matrix:

Soil

Sample Weight:

10.00 grams

Volume Freon:

20.00 mL

Dilution Factor:

1 (unitless)

TPH Reading:

3 mg/kg

TPH Result:

6.0 mg/kg

Reported TPH Result: **Actual Detection Limit:**

ND mg/kg

10.0 mg/kg

Reported Detection Limit

10 mg/kg

QA/QC:

Original TPH mg/kg Duplicate TPH mg/kg

% Diff.

440

450

2

Comments:

Comments:

Dehydrator Pit - B0075



AROMATIC VOLATILE ORGANICS

9/7/94

Attn:

R. E. O'Neill

Date:

9/7/94

Company: Blagg Engineering

Lab ID:

1848 2892

Address: City, State: Bloomfield, NM 87413

P.O. Box 87

Sample ID: Job No.

2-1000

Project Name:

Schwerdtfeger A #3E

Project Location:

WS @ 15'

REO

Date:

Date:

Time: 9/2/94

11:00

Sampled by: Analyzed by: Sample Matrix:

DLA Soil .

Aromatic Volatile Organics

Component	Measured Concentration ug/kg	Detection Limit Concentration ug/kg
Benzene	12.2	0.2
Toluene	68	0.2
Ethylbenzene	127	0.2
m,p-Xylene	9,655	0.2
o-Xylene	496	0.2
	TOTAL 10,358 ug/kg	

ND - Not Detectable

Method - SW-846 EPA Method 8020 Aromatic Volatile Organics by Gas Chromatography

Approved by:

Date:

1848

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CHAIN OF CU., ODY RECORD

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2000\$

Date: 9-2-94

657 W. Maple • P. O. Box 2606 • Farmington, NM 87499 LAB: [505] 325-5667 • FAX: [505] 325-6256

Purchas	Purchase Order No.:	Reference No.:	Jo.:				Name 🔏	m C	U'NEIU		Title	EE		`
=	Name					TR ST 2	Company		SAME				(See	1
O OICE ND	COMPANY BIAGG ENGINERINE	UERSINE		Dept.		POI:	Mailing Address		SAME					_
SE NVC	Address P.O. BX 87					IS3I	City, State, Zip							
•	City, State, Zip Bloom FIELD	. N ■ . C	468	413		H	Telephone No.	0	32- 1199	•	Telefax No.			т —
Special	Special Instructions:	475		V #4 V					ANALY	SIS REC	ANALYSIS REQUESTED			_
7	SCHWERDITE COCK A	ر م		5		to T								
Sampler:	R. E. O'MILL					Numbe Contain	735						,	
	SAMPLE IDENTIFICATION	SAI	DATE/TIME SAMPLED	COMPOSITE/ GRAB	PRESERVATIVES		>						Remarks (matrix)	
3	5 @ 15'	1/5	1100	6.40	/ool		7		289	7	1878	-	Sol	
		-									-			
								-		:				
														,
														-,-
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Relinquished by:	shed by: P. F. Cylad	•		Date/Time 9	80H 2/1	Receiv	Received by: 1/. 6.	(color	6		Dat	Date/Time	(74) 145	
Relinquished by:	21 11-14			Date/Time	Wall con	Received by	ed by.	las U	13		Dat	N	44 0804	\longrightarrow
Relinquished by:	shed by: Myen U. Le			Date/Time9/	1/94 1135	Received by:	ed by:		di.	3		Date/Time	144 113	
Method	Method of Shipment:					Rush	ភ	5 Working Days		10 Working Days		Sampling Location:		
Authorized by:		C		Date					-	i				
	(Cilent Signature MUSI Accompany Hequest)	прапу недиеѕ	£.				_							_

Distribution: White - On Site Yellow - LAB Pink - Sampler Goldenrod - Client

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

State of New Mexico Energy, Minerals and Natural Resources Department

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

Operator:	Amoco Production Company	Telephone: (505) - 326-9200		
	200 Amoco Court, Farmington			
Facility Or:	SCHWERST FEGER A #			
Location: Unit	or Qtr/Qtr Sec Se	ac 6 T27 NR 8 W County SAN JUAN		
Pit Type: Sepa	rator Dehydrator O	ther PRODUCTION		
ľ	MX, State, Fee			
Pit Location: Attach diagram)	_	10', width 5', depth 8',		
	Footage from reference:	100		
	Direction from reference	e: 30 Degrees X East North X		
West South				
Depth To Ground Water: (Vertical distance from 50 feet (20 points) contaminants to seasonal Greater than 100 feet (0 Points) high water elevation of ground water)				
(Less than 200 fe domestic water so	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)			
	ance to perennial vers, streams, creeks,	Less than 200 feet (20 points) 200 feet to 1000 feet (10 points) Greater than 1000 feet (0 points) O		
		RANKING SCORE (TOTAL POINTS): LO		

Date Remediation St	arted:	Date Completed:	9-2-94
temediation Method:	Excavation X	Approx. cubic yards	15
(Check all appropriate sections)	Landfarmed X	Insitu Bioremediation	
	Other		
Remediation Locatio		fsite	
(ie. landfarmed onsite, name and location of			-
offsite facility)	Of Pemedial Action	n:	
Excavati			
Ground Water Encoun	tered: No X	Yes Depth	
Ground water Encoun	corec. No A		
Final Pit:	Sample location	see Attached Documents	
Closure Sampling: (if multiple samples,		-	
attach sample results and diagram of sample	Sample depth	9' (PIT BOTTOM)	
locations and depths)		2-99 Sample time	
	Sample Results		ı
	Benzene(ppm)		
	Total BTEX(p	pm)	
	Field headsp	$ace(ppm) \underline{2}$	
	трн 16 ррн		
	-	V	1 h =1
Ground Water Sample	Yes No _	X = X (If yes, attach sample r	esults)
I HEREBY CERTIFY THE OF MY KNOWLEDGE AND	AT THE INFORMATION BELIEF	ABOVE IS TRUE AND COMPLETE	TO THE BEST
I HEREBY CERTIFY TH OF MY KNOWLEDGE AND DATE 9/13/49	BELIEF	NAME Budly D. Sh	TO THE BEST

	RES	4LTS TO BOB MILEY	9-2-44 Flo							
CLIENT: AMOCE	P.O. BOX	AGG ENGINEERING, 87, BLOOMFIELD, (505) 632-1199	NM 87413	C.O.C. NO:						
F	TIELD REPORT	PIT CLOSURE	VERIFICATION							
QUAD/UNIT: L	SEC: 6 TWP: 27	WELL #: 3E PIT: N RNG: 8 W BM: NM CI CONTRACTOR: PAUL + S	YTY: SJ ST: MM	DATE STARTED: 9-2-99 DATE FINISHED: ENVIRONMENTAL R &						
DISPO	SOIL REMEDIATION: EXCAVATION APPROX 5 FT. x _ 10 FT. x _ 8 FT. DEEP. DISPOSAL FACILITY: ON SITE - L F, CUBIC YARDAGE: _ 15 LAND USE: _ PAP6E									
				130°F FROM WELLIEAD						
FIELD NOTES & 	KEMAKKS: PIT LOC	ATED APPROXIMATELY	NEADEST SUBSACI	F WATER: >/000'						
			_ INEAREST SURFACE	WHILE THE STATE OF						
		CLOSURE STD: [000 PPM		_						
SOIL AND EXCAVA	TION DESCRIPTION:	MOIST, BROWN, SIG	- LUAZ YT.	NO ODOR / STAIN.						
	AMPLE I.D. LAB No: CB@ 9' 1111	FIELD 418.1 CALCULATIONS WEIGHT (g) ml. FREON DILUT 10.0 20.0 -	TION READING CAL							
	ERIMETER	RESULTS	PIT	PROFILE						
SAPERET SAPERET	Top John	SAMPLE FIELD HEADSPACE								
BET BANGER BET	Today N	1 ESC 5 2 2 SSC 5 2 8 USC 5 2 4 CB C 9 2		8.						
TO LY		LAB SAMPLES								
TRAVEL NOTES: C	ALLOUT: 9-1-14	ONSITE:	9-2-94	1230						

P.O. Box 87, Bloomfield, New Mexico 87413 Phone: (505)632-1199 Fax: (505)632-3903

FIELD MODIFIED EPA METHOD 418.1 TOTAL PETROLEUM HYDROCARBONS

Client:

Amoco

Project #:

Sample ID:

CB @ 9'

Date Analyzed:

9-02-94

Project Location:

Schwerdtfeger A 3E

Date Reported:

9-02-94

Laboratory Number:

TPH-1111

Sample Matrix:

Soil

Parameter 	Result, mg/kg	Detection Limit, mg/kg
Total Recoverable Petroleum Hydrocarbons	16	10

ND = Not Detectable at stated detection limits.

QA/QC:

QA/QC Sample TPH mg/kg Duplicate TPH mg/kg % *Diff.

440

450

2

*Administrative Acceptance limits set at 30%.

Method:

Modified Method 418.1, Petroleum Hydrocarbons, Total

Recoverable, Chemical Analysis of Water and Waste,

USEPA Storet No.4551, 1978

Comments:

Production Pit - B0075

Analyst

Review

P.O. Box 87, Bloomfield, New Mexico 87413 Phone: (505)632-1199 Fax: (505)632-3903

Field TPH-Worksheet

Max Characters:

Client:

Amoco

Sample ID:

CB @ 9'

Project Location:

Schwerdtfeger A 3E TPH-1111

Laboratory Number:

Project #: Date Analyzed:

Date Reported:

9-02-94

Sample Matrix:

9-02-94 Soil

Sample Weight: Volume Freon:

10.00 grams

Dilution Factor:

20.00 mL

1 (unitless) 8 mg/kg

TPH Reading:

TPH Result:

16.0 mg/kg

Reported TPH Result:

16 mg/kg

Actual Detection Limit:

10.0 mg/kg

Reported Detection Limit

10 mg/kg

QA/QC:

Original TPH mg/kg Duplicate TPH mg/kg

% Diff.

440

450

2

Comments:

Comments:

Production Pit - B0075

District I
P.O. Box 1980, Hobbe, NM
District II
P.O. Drawer DD, Artesia, NM 88211
Strict III
J Rio Brazos Rd, Aziec, NM 87410

State of New Mexico Energy, Minerals and Natural Resources Department

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

Operator:	Amoco Production Company	Telephone: (505) - 326-9200
	200 Amoco Court, Farmington	
1	SCHWERDT FEGER A	•
Well Name	3011 4 214 1 2 0 0 11	
Location: Unit	or Qtr/Qtr Sec Se	BC 6 T27N R 8 W County SAN JUAN
Pit Type: Sepa	rator Dehydrator 0	ther
Land Type: BL	MX, State, Fee	, Other
	Dit dimensioned learner	20', width 20', depth 5'
Pit Location: 'Attach diagram'		, other
	Footage from reference:	4 -
	Direction from reference	e: $\underline{90}$ Degrees \underline{X} East North \underline{Y}
		West South
Depth To Groun	d Water:	Less than 50 feet (20 points)
(Vertical distant	ce from	50 feet to 99 feet (10 points) Greater than 100 feet (0 Points)
high water elevat ground water)		<u> </u>
ground water,		
Wellhead Prote		Yes (20 points) No (0 points) O
domestic water so	eet from a private ource, or; less than	NO (O points) O
1000 feet from al	il other water sources)	
Distance To Su	rface Water:	Less than 200 feet (20 points)
'Horizontal dista	ance to perennial vers, streams, creeks,	200 feet to 1000 feet (10 points) Greater than 1000 feet (0 points)
irrigation canals	s and ditches)	
		RANKING SCORE (TOTAL POINTS): 10

Date Remediation St	arted:	Date Completed:	9-2-94
emediation Method:	Excavation X	Approx. cubic yards	
(Check all appropriate sections)	Landfarmed X	Insitu Bioremediation	
	Other		
Remediation Locatio (ie. landfarmed onsite, name and location of	\mathbf{n} : Onsite X Off	site	•
offsite facility)			
		1:	
Excavation	on		
		<u> </u>	
Ground Water Encoun	tered: No X	Yes Depth	
		and Attached Decuments	
Final Pit: Closure Sampling:	Sample location	see Attached Documents	
(if multiple samples, attach sample results		((MEST SIDEMALL)	
and diagram of sample locations and depths)	Sample depth 6		
		2 dubie cime	
	Sample Results		
	Benzene(ppm)		
	Total BTEX(pr		
		ace(ppm) <u>69</u>	
	трн <u>330 рри</u>	<u>1</u>	
Ground Water Sample	: Yes No _	\times (If yes, attach sample	results)
I HEREBY CERTIFY TH		ABOVE IS TRUE AND COMPLET	TE TO THE BEST
DATE 9/13/94 SIGNATURE /3/51	PRINTED AND TITE	NAME BUDLY D. S LE Environmental	haw Conedinative
SIGNATURE /2	AND IIII	- CNT/KONMENIA	- SOLO IN HIST

REJULTS TO GOD MCGY 9-2-94 PG CLIENT: AMOGO BLAGG ENGINEERING, INC. LOCATION NO: 80075 P.O. BOX 87, BLOOMFIELD, NM 87413 C.D.C. ND: _____ (505) 632-1199FIELD REPORT: PIT CLOSURE VERIFICATION LOCATION: NAME: SCHLERDTPEGER A WELL #: 3E PIT: SEP. DATE STARTED: DATE FINISHED: QUAD/UNIT: L SEC: 6 TWP: 27 N RNG: 8 W BM: NM CNTY: ST ST: NM ENVIRONMENTAL f lo QTR/FOOTAGE: 1800 FSL. 800 FUL CONTRACTOR: PAUL + SONS SPECIALIST: SOIL REMEDIATION: EXCAVATION APPROX. 20 FT. x 20 FT. x 5 FT. DEEP. DISPOSAL FACILITY: ON SITE - L.F., CUBIC YARDAGE: 60 LAND USE: ____RAYGE LEASE: FIELD NOTES & REMARKS: PIT LOCATED APPROXIMATELY 90 FEET ENST FROM WELLHEAD. DEPTH TO GROUNDWATER: >50' NEAREST WATER SOURCE: >1000' NEAREST SURFACE WATER: >1000' NMOCD RANKING SCORE: 10 NMOCD TPH CLOSURE STD: 1000 PPM SOIL AND EXCAVATION DESCRIPTION: MOIST , BROWN , SILTY SAME - NO ODOR / STAIN , STEEL PIT SET IN PIT CONTRY, PIT CLOSE FIELD 418.1 CALCULATIONS WEIGHT (q) mL. FREON DILUTION READING CALC. ppm SAMPLE I.D. LAB No: 330 165 20.0 WB@ 6' 1110 10,0 **SCALE** 0 5 1ºFT OVM PIT PROFILE PIT PERIMETER RESULTS SAMPLE FIELD HEADSPACE 1 NZ @ 3 2 ES@ 3" S EP 3 **55 @ 3**~ STEEL LAB SAMPLES suppare GRADIENT TRAVEL NOTES: CALLOUT: 9-1-94 ONSITE: 9-2-94 1200

P.O. Box 87, Bloomfield, New Mexico 87413 Phone: (505)632-1199 Fax: (505)632-3903

FIELD MODIFIED EPA METHOD 418.1 TOTAL PETROLEUM HYDROCARBONS

Client:

Amoco

Project #:

Sample ID:

WB @ 6'

Date Analyzed:

9-02-94

Project Location:

Schwerdtfeger A 3E

Date Reported:

9-02-94

Laboratory Number:

TPH-1110

Sample Matrix:

Soil

Parameter	Result, mg/kg	Detection Limit, mg/kg	
Total Recoverable		4.	
Petroleum Hydrocarbons	330	10	

ND = Not Detectable at stated detection limits.

QA/QC:

QA/QC Sample TPH mg/kg Duplicate TPH mg/kg % *Diff.

440

450

2

*Administrative Acceptance limits set at 30%.

Method:

Modified Method 418.1, Petroleum Hydrocarbons, Total

Recoverable, Chemical Analysis of Water and Waste,

USEPA Storet No.4551, 1978

Comments:

Separator Pit - B0075

<u>ξ, ξ, οναθ</u> Analyst

J. C. Blagg Review

P.O. Box 87, Bloomfield, New Mexico 87413 Phone: (505)632-1199 Fax: (505)632-3903

Field TPH-Worksheet

Max Characters:

Client:

Sample ID:

Project Location: Laboratory Number: Amoco

WB @ 6'

Schwerdtfeger A 3E

TPH-1110

Project #:

Date Analyzed:

9-02-94 Date Reported: 9-02-94

Sample Matrix:

Soil

Sample Weight:

Volume Freon:

Dilution Factor:

TPH Reading:

10.00 grams

20.00 mL

1 (unitless)

165 mg/kg

TPH Result:

Reported TPH Result:

Actual Detection Limit: Reported Detection Limit 330.0 mg/kg

330 mg/kg

10.0 mg/kg 10 mg/kg

QA/QC:

Original TPH mg/kg

Duplicate TPH mg/kg

% Diff.

440

450

2

Comments:

Comments:

Separator Pit - B0075

BLAGG ENGINEERING, INC. P.O. BOX 87, BLOOMFIELD, NM 87413 (505) 632-1199	C.O.C. NO: 5582
FIELD REPORT: LANDFARM/COMPOST PILE CLOSURE	VERIFICATION
LOCATION: NAME: SCHWERDITFERER A WELL #: 3 E PITS: 8000, SEP, DENTY PROD.	DATE STARTED:
QUAD/UNIT: (D) SEC: 6 TWP: 27N RNG: 8 PM: NM CNTY: ST: NM QTP/FOOTAGE: NW/4 NW/4 CONTRACTOR: P & S	ENVIRONMENTAL SPECIALIST: NY/EP
SOIL REMEDIATION:	405
REMEDIATION SYSTEM: LANDFARM APPROX. CUBIC Y	
LAND USE: PANGE LIFT DEPTH (ft):	
FIELD NOTES & REMARKS:	5 1/2/50 3/2/00/
DEPTH TO GROUNDWATER: _<100 NEAREST WATER SOURCE: _ >1000 NEAREST SURFACE	E WATER:
NMOCD RANKING SCORE: 10 NMOCD TPH CLOSURE STD: 1000 PPM SOIL IS A DARK GRAY W/LIGHT BROWN SILTU SAND. SLIGHTLY MOIST	
SOME COMPOST: MAT PRESENT, NO STAIN UR HE ODOR TOOK SPT	
COMPOSITE SAMPLE FUR LAB ANELYSIS.	
NO ACTURE LANDTREM OBSTRUE	.
FIELD 418.1 CALCULATIONS	IC CALC DOM
SAMP. TIME SAMPLE I.D. LAB No: WEIGHT (g) ML. FREON DILUTION READIN	OALO. PPIII
SKETCH/SAMPLE LOCATIONS	
. / / /	
OVM RESULTS	LAB SAMPLES
SAMPLE FIELD HEADSPACE SAMPLE	
DENY DE LF.1 9.5 LF.1	8015 1030 ND
I be a second of the second of	
Tep /	
0 3,5	
MENO MENO	
SCALE	
0 FT	

ONSITE: 11.21.97

TRAVEL NOTES: CALLOUT: N/A



EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

Client:	Blagg / AMOCO	Project #:	04034-10
Sample ID:	LF - 1	Date Reported:	11-26-97
Laboratory Number:	C559	Date Sampled:	11-21-97
Chain of Custody No:	5582	Date Received:	11-24-97
Sample Matrix:	Soil	Date Extracted:	11-24-97
Preservative:	Cool	Date Analyzed:	11-25-97
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:

Schwerdtfeger A #3E Landfarm. 5 Pt. Composite.

Analyst

Stacy W Sendler.

Ef cocis 5605 + 5615	Relinquished by: (Signature)	Relinquished by: (Signature)	Relinquished by: (Signature)						LF-1 Weller 1030 CS	Sample No./ Sample Sample Lab Ni Date Time	Carbon 04	Sampler: (Signature) Chain of Cu	BLAGG/ HMOCO SCHUE	Client/Project Name Project Location	
ENVIROTECH INC. 57% U.S. Highway 64:3014 Farmington, New Mexico 87401 (505) 632-0615		Sago (6/42/11	Date Time R	SAMPLE					C5-59 50/2	Lab Number Sample Matrix	01-45040	Chain of Custody Tape No.	SCHWERDTFEGER A #3E	cation LANDFARM	CHAIN OF CUSTODY RECORD
ECH INC. Neway 64-3014 Mexico 87401 2-0615	Received by: (Signature)	Received by: (Signature)	Received by: (Signature) Hillon VII	RECEIVED COOL & MIDDET					\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	(80)	po. of tainers)		ANALYSIS/PARAMETERS	ODY RECORD
		112-42)	1/22/97 0800	DCA-				P.	PT. COMPOSITE	RESERV COOL		Remarks			