

JICARILLA APACHE TRIBE
ENVIRONMENTAL PROTECTION OFFICE
P.O. BOX 507
DULCE, NEW MEXICO 87528

SUBMIT 1 COPY TO
NATURAL RESOURCE DEPT
AND OIL & GAS ADMINISTRATION

RECEIVED
AUG 09 1999
OIL CON. DIV.
DIST. 3

PIT REMEDIATION AND CLOSURE REPORT

Operator: AMOCO PRODUCTION COMPANY Telephone: (505) 326-9200

Address: 200 Amoco Court, Farmington, NM 87401

Facility or Well Name: JICARILLA APACHE # 102-14E

Location: Unit or Qtr/Qtr Sec M Sec 9 T 26N R 4W County RIO ARriba

Pit Type: Separator Dehydrator Other BLOW

Land Type: RANGE

Pit Location: (Attach diagram) Pit dimensions: length 28', width 42', depth 12'
Reference: wellhead X, other
Footage from reference: 170'
Direction from reference: 9 Degrees X East of North
 West of South X

Depth To Groundwater: (Vertical distance from contaminants to seasonal high water elevation of groundwater)	Less than 50 feet	(20 points)	
	50 feet to 99 feet	(10 points)	
	Greater than 100 feet	(0 points)	<u>0</u>
Distance to an Ephemeral Stream (Downgradient dry wash greater than ten feet in width)	Less than 100 feet	(10 points)	
	Greater than 100 feet	(0 points)	<u>0</u>
Distance to Nearest Lake, Playa, or Watering Pond (Downgradient lakes, playas and livestock or wildlife watering ponds)	Less than 100 feet	(10 points)	
	Greater than 100 feet	(0 points)	<u>0</u>
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)	<u>0</u>
Distance To Surface Water: (Horizontal distance to perennial lakes, ponds, rivers, streams, creeks, irrigation canals and ditches)	Less than 100 feet	(20 points)	
	100 feet to 1000 feet	(10 points)	
	Greater than 1000 feet	(0 points)	<u>0</u>

RANKING SCORE (TOTAL POINTS): 0

Date Remediation Started: _____ Date Completed: 10/10/98
Remediation Method: Excavation ☒ Approx. cubic yards 400
Check all appropriate sections) Landfarmed ☒ Insitu Bioremediation _____
Other _____

Remediation Location:
(i.e. landfarmed onsite,
name and location of
offsite facility)

Onsite ☒ Offsite _____

General Description of Remedial Action: Excavation. BEDROCK Bottom.

Groundwater Encountered:

No ☒ Yes _____ Depth _____

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

Sample location see Attached Documents

Sample depth 7' (NORTH SIDEWALK)

Sample date 10/7/98 Sample time 1130

Sample Results

Soil: Benzene	(ppm)	<u>0.271</u>	Water: Benzene	(ppb)	_____
Total BTEX	(ppm)	<u>1.460</u>	Toluene	(ppb)	_____
Field Headspace	(ppm)	<u>223.8</u>	Ethylbenzene	(ppb)	_____
TPH	(ppm)	<u>14.2</u>	Total Xylenes	(ppb)	_____

Groundwater Sample: Yes _____ No ☒ (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 10/10/98 PRINTED NAME Buddy D. Shaw
SIGNATURE Buddy D. Shaw AND TITLE Environmental Coordinator

AFTER REVIEW OF THE PIT CLOSURE INFORMATION, PIT CLOSURE IS APPROVED IN ACCORDANCE TO THE JICARILLA APACHE TRIBE PIT CLOSURE ORDINANCE.

APPROVED: YES ☒ NO _____ (REASON) _____

SIGNED: Ker C Mandle DATE: 11-18-98

3003922457

CLIENT: AMOCO

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

LOCATION NO: BT657
C.D.C. NO: 6288

FIELD REPORT: CLOSURE VERIFICATION

PAGE No: 1 of 1

LOCATION: NAME: JICA- AP. 102 WELL #: 14E PIT: Flow
QUAD/UNIT: M SEC: 9 TWP: 26N RNG: 4W PM: NM CNTY: RA ST: NM
QTR/FOOTAGE: 1110' FSL | 800' FWL CONTRACTOR: P & S

DATE STARTED: 10/7/98
DATE FINISHED: _____

ENVIRONMENTAL SPECIALIST: NV

EXCAVATION APPROX. 28 FT. x 42 FT. x 12 FT. DEEP. CUBIC YARDAGE: 400
DISPOSAL FACILITY: ON-SITE REMEDIATION METHOD: LANDFARM
LAND USE: RANGE LEASE: JIC 102 FORMATION: DK

FIELD NOTES & REMARKS: PIT LOCATED APPROXIMATELY 170 FT. S9E FROM WELLHEAD.
DEPTH TO GROUNDWATER: >100' NEAREST WATER SOURCE: >1000' NEAREST SURFACE WATER: >1000'

NMDCD RANKING SCORE: 0 NMDCD TPH CLOSURE STD: 5000 PPM

SOIL AND EXCAVATION DESCRIPTION:

SIDEWALLS -
DUSKY RED/LT. GRAY CLAY, PLASTIC SLIGHTLY MOIST STIFF TO VERY STIFF,
NO NOTICEABLE STAINING OR HC ODOOR OBSERVED/DETECTED W/IN EXCAVATION,
HC ODOOR IN NORTH & EAST SIDEWALL OVM SAMPLES ONLY.

BOTTOM - BEDROCK (SHALE) DUSKY RED/LT. GRAY IN COLOR, HARD NO
NOTICEABLE STAINING, NO APPARENT HC ODOOR IN OVM SAMPLE.

BEDROCK
BOTTOM

CLOSED

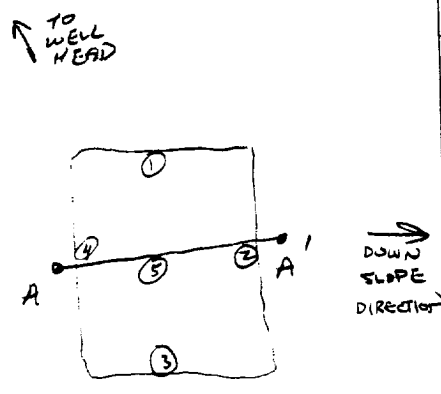
FIELD 418.1 CALCULATIONS

TIME	SAMPLE I.D.	LAB No:	WEIGHT (g)	mL. FREON	DILUTION	READING	CALC. ppm
1130							

SCALE



PIT PERIMETER



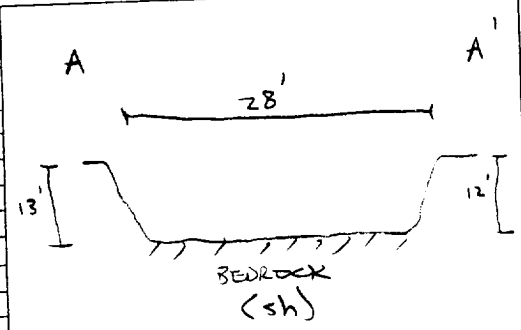
OVM RESULTS

SAMPLE ID	FIELD HEADSPACE PID (ppm)
1 @ 7'	233.8
2 @ 8'	175.4
3 @ 7'	0.0
4 @ 7'	0.0
5 @ 12'	10.3

LAB SAMPLES

SAMPLE ID	ANALYSIS	TIME
① 7'	TPH/BTEX	1130
<u>BOTH PASSED</u>		

PIT PROFILE



TRAVEL NOTES: CALLOUT: _____ ONSITE: 10/7/98 - morn.

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

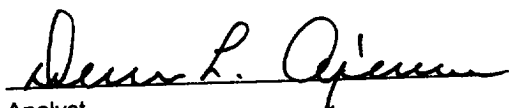
Client:	Blagg / AMOCO	Project #:	04034-10
Sample ID:	1 @ 7'	Date Reported:	10-10-98
Laboratory Number:	E045	Date Sampled:	10-07-98
Chain of Custody No:	6288	Date Received:	10-09-98
Sample Matrix:	Soil	Date Extracted:	10-09-98
Preservative:	Cool	Date Analyzed:	10-09-98
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	10.6	0.2
Diesel Range (C10 - C28)	3.6	0.1
Total Petroleum Hydrocarbons	14.2	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: Jicarilla Apache #102 - 14E Blow Pit.


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8021 AROMATIC VOLATILE ORGANICS

Client:	Blagg / AMOCO	Project #:	04034-10
Sample ID:	1 @ 7'	Date Reported:	10-09-98
Laboratory Number:	E045	Date Sampled:	10-07-98
Chain of Custody:	6288	Date Received:	10-09-98
Sample Matrix:	Soil	Date Analyzed:	10-09-98
Preservative:	Cool	Date Extracted:	10-09-98
Condition:	Cool & Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	271	8.8
Toluene	285	8.4
Ethylbenzene	102	7.6
p,m-Xylene	598	10.8
o-Xylene	204	5.2
Total BTEX	1,460	


ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	Trifluorotoluene	96 %
	Bromofluorobenzene	96 %

References: Method 5030B, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Method 8021B, Aromatic Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Comments: Jicarilla Apache #102 - 14E Blow Pit.


Analyst


Review

8J657

SUBMIT 1 COPY TO
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**JICARILLA APACHE TRIBE
ENVIRONMENTAL PROTECTION OFFICE
P.O. BOX 507
DULCE, NEW MEXICO 87528**

PIT REMEDIATION AND CLOSURE REPORT

Operator: AMOCO PRODUCTION COMPANY Telephone: (505) 326-9200
Address: 200 Amoco Court, Farmington, NM 87401
Facility or Well Name: JICARILLA APACHE #102 - 14E
Location: Unit or Qtr/Qtr Sec M Sec 9 T 26N R 4W County Rio ARRIERA
Pit Type: Separator ☒ Dehydrator ☐ Other ☐
Land Type: RANGE

Pit Location: (Attach diagram) Pit dimensions: length 20', width 24', depth 12'
Reference: wellhead ☒, other ☐
Footage from reference: 165'
Direction from reference: 31 Degrees ☐ East of North ☐
☒ West of South ☒

Depth To Groundwater:

(Vertical distance from
contaminants to seasonal
high water elevation of
groundwater)

Less than 50 feet	(20 points)	
50 feet to 99 feet	(10 points)	
Greater than 100 feet	(0 points)	<u>0</u>

Distance to an Ephemeral Stream

(Downgradient dry wash greater than
ten feet in width)

Less than 100 feet	(10 points)	
Greater than 100 feet	(0 points)	<u>0</u>

Distance to Nearest Lake, Playa, or Watering Pond

(Downgradient lakes, playas and
livestock or wildlife watering ponds)

Less than 100 feet	(10 points)	
Greater than 100 feet	(0 points)	<u>0</u>

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)	<u>0</u>

Distance To Surface Water:

(Horizontal distance to perennial
lakes, ponds, rivers, streams, creeks,
irrigation canals and ditches)

Less than 100 feet	(20 points)	
100 feet to 1000 feet	(10 points)	
Greater than 1000 feet	(0 points)	<u>0</u>

RANKING SCORE (TOTAL POINTS): 0

Date Remediation Started: _____ Date Completed: 10/10/98
 Remediation Method: Excavation ☒ Approx. cubic yards 175
 Check all appropriate sections) Landfarmed ☒ Insitu Bioremediation _____
 Other _____

Remediation Location: Onsite ☒ Offsite _____
 (i.e. landfarmed onsite, name and location of offsite facility)

General Description of Remedial Action: Excavation. BEDROCK BOTTOM.

Groundwater Encountered: No ☒ Yes _____ Depth _____

Final Pit: Sample location see Attached Documents
 Closure Sampling: (if multiple samples, attach sample results and diagram of sample locations and depths)
 Sample depth 7' (SOUTH SIDEWALL)
 Sample date 10/7/98 Sample time 1230

Sample Results

Soil: Benzene	(ppm)	<u>0.106</u>	Water: Benzene	(ppb)	_____
Total BTEX	(ppm)	<u>2.350</u>	Toluene	(ppb)	_____
Field Headspace	(ppm)	<u>948</u>	Ethylbenzene	(ppb)	_____
TPH	(ppm)	<u>6.3</u>	Total Xylenes	(ppb)	_____

Groundwater Sample: Yes _____ No ☒ (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 10/10/98 PRINTED NAME Buddy D. Shaw
 SIGNATURE Buddy D. Shaw AND TITLE Environmental Coordinator

AFTER REVIEW OF THE PIT CLOSURE INFORMATION, PIT CLOSURE IS APPROVED IN ACCORDANCE TO THE JICARILLA APACHE TRIBE PIT CLOSURE ORDINANCE.

APPROVED: YES ☒ NO _____ (REASON) _____

SIGNED: Ker C Mammell DATE: 11-18-98

CLIENT: <u>AMOCO</u>	BLAGG ENGINEERING, INC. P.O. BOX 87, BLOOMFIELD, NM 87413 (505) 632-1199	LOCATION NO: <u>83657</u> C.D.C. NO: <u>6288</u>
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FIELD REPORT: CLOSURE VERIFICATION

PAGE No: 1 of 1

LOCATION: NAME: JICA. AP 102 WELL #: 14E PIT: SEP.
 QUAD/UNIT: M SEC: 9 TWP: 26N RNG: 4W PM: NM CNTY: RA ST: NM
 QTR/FOOTAGE: 1110' FSL/800' FWL CONTRACTOR: P & S

DATE STARTED: 10/7/98
 DATE FINISHED: _____

ENVIRONMENTAL
 SPECIALIST: NV

EXCAVATION APPROX. 20 FT. x 24 FT. x 12 FT. DEEP. CUBIC YARDAGE: 175
 DISPOSAL FACILITY: ON-SITE REMEDIATION METHOD: LANDFARM
 LAND USE: RANGE LEASE: JICA 102 FORMATION: DR

FIELD NOTES & REMARKS: PIT LOCATED APPROXIMATELY 165 FT. SW FROM WELLHEAD.
 DEPTH TO GROUNDWATER: >100' NEAREST WATER SOURCE: >1000' NEAREST SURFACE WATER: >1000'

NMOC D RANKING SCORE: 0 NMOC D TPH CLOSURE STD: 5000 PPM

SOIL AND EXCAVATION DESCRIPTION:

CHECK ONE:
☒ PIT ABANDONED
☐ STEEL TANK INSTALLED
☐ FIBERGLASS TANK INSTALLED

SIDEWALLS - DISKY RED/LT. GRAY CLAY PLASTIC, SLIGHTLY MOIST, STIFF TO VERY STIFF, NO NOTICEABLE STAINING OR HC ODOOR OBSERVED/DETECTED W/IN EXCAVATION, STRONG HC ODOOR IN ALL OVM SAMPLES.

BOTTOM - BEDROCK (SHALE), DISKY RED/LT. GRAY IN COLOR, HARD, NO NOTICEABLE STAINING, SLIGHT HC ODOOR IN OVM SAMPLE.

BEDROCK
 BOTTOM

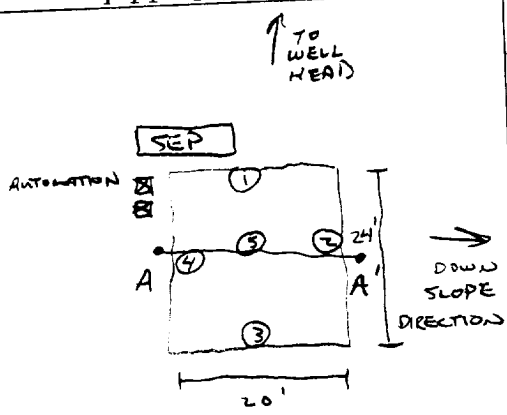
SCALE
 0 FT

CLOSED

FIELD 418.1 CALCULATIONS

TIME	SAMPLE I.D.	LAB No:	WEIGHT (g)	mL. FREON	DILUTION	READING	CALC. ppm
1230							

PIT PERIMETER



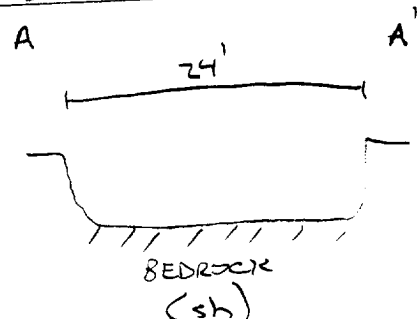
OVM RESULTS

SAMPLE ID	FIELD HEADSPACE PID (ppm)
1 @ 7'	81.7
2 @ 7'	81.7
3 @ 7'	94.8
4 @ 7'	64.7
5 @ 12'	99.2

LAB SAMPLES

SAMPLE ID	ANALYSIS	TIME
3 @ 7'	TPH RTEX	1230
BOTH PASSED		

PIT PROFILE



TRAVEL NOTES:

CALLOUT: _____

ONSITE: 10/7/98

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

Client: Blagg / AMOCO
Sample ID: 3 @ 7'
Laboratory Number: E046
Chain of Custody No: 6288
Sample Matrix: Soil
Preservative: Cool
Condition: Cool and Intact

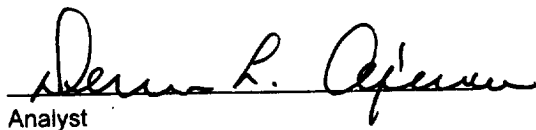
Project #: 04034-10
Date Reported: 10-10-98
Date Sampled: 10-07-98
Date Received: 10-09-98
Date Extracted: 10-09-98
Date Analyzed: 10-09-98
Analysis Requested: 8015 TPH

Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	3.5	0.2
Diesel Range (C10 - C28)	2.8	0.1
Total Petroleum Hydrocarbons	6.3	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: Jicarilla Apache #102 - 14E Separator Pit.


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8021 AROMATIC VOLATILE ORGANICS

Client:	Blagg / AMOCO	Project #:	04034-10
Sample ID:	3 @ 7'	Date Reported:	10-09-98
Laboratory Number:	E046	Date Sampled:	10-07-98
Chain of Custody:	6288	Date Received:	10-09-98
Sample Matrix:	Soil	Date Analyzed:	10-09-98
Preservative:	Cool	Date Extracted:	10-09-98
Condition:	Cool & Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	106	8.8
Toluene	309	8.4
Ethylbenzene	155	7.6
p,m-Xylene	1,300	10.8
o-Xylene	479	5.2
Total BTEX	2,350	

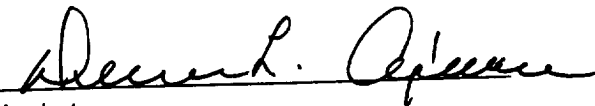
ND - Parameter not detected at the stated detection limit.


Surrogate Recoveries:	Parameter	Percent Recovery
	Trifluorotoluene	99 %
	Bromofluorobenzene	99 %

References: Method 5030B, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Method 8021B, Aromatic Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Comments: Jicarilla Apache #102 - 14E Separator Pit.


Analyst


Review

6288

Client / Project Name			Project Location			ANALYSIS / PARAMETERS														
BLUES/Amoco			JERUSA ACADE #102-145																	
Sample: ATV			Client No. 04034-10																	
Sample No./ Identification	Sample Date	Sample Time	Lab Number	Sample Matrix	No. of Containers	TPH (8015)					BTX (8021)					Remarks				
① 271	10/17/98	1130	E045	Soil	1	✓	✓									Scan PIT				
③ 271	10/17/98	1230	E046	Soil	1	✓	✓									SEQUESTER PIT				
Relinquished by: (Signature)			Date	Time	Received by: (Signature)															
Relinquished by: (Signature)			10/19/98	0740	Received by: (Signature)															
Relinquished by: (Signature)					Received by: (Signature)															
Relinquished by: (Signature)					Received by: (Signature)															
124 cc's 6288 - 6292																				
ENVIROTECH INC.																				
5796 U.S. Highway 64 Farmington, New Mexico 87401 (505) 632-0615																				
Sample Receipt																				
Received Intact																				
Cool - Ice/Blue Ice																				

**JICARILLA APACHE TRIBE
ENVIRONMENTAL PROTECTION OFFICE
P.O. BOX 507
DULCE, NEW MEXICO 87528**

SUBMIT 1 COPY TO:
NATURAL RESOURCE DEPT
AND OIL & GAS ADMINISTRATION

ON-SITE SOIL REMEDIATION REPORT

Operator: AMOCO PRODUCTION COMPANY Telephone: (505) 326-9200
Address: 200 Amoco Court, Farmington, NM 87401
Facility or Well Name: JICARILLA APACHE 102-14E
Location: Unit or Qtr/Qtr Sec M Sec 9 T 26N R 4W County BLAIRE
Land Type: RANGE

Date Remediation Started: 10-7-98 Date Completed: 5/13/99
Remediation Method: Landfarmed ☒ Approx. cubic yards 575
Composted ☐
Other ☐

<p>Depth To Groundwater: (pts.) <u>0</u> Distance to an Ephemeral Stream (pts.) <u>0</u> Distance to Nearest Lake, Playa, or Watering Pond (pts.) <u>0</u> Wellhead Protection Area: (pts.) <u>0</u> Distance To Surface Water: (pts.) <u>0</u> RANKING SCORE (TOTAL POINTS): <u>0</u></p>	<p style="text-align: center;">Final Closure Sampling:</p> <p>Sampling Date: <u>5-12-99</u> Time: <u>1340</u> Sample Results: Field Headspace (ppm) <u>5.2</u> TPH (ppm) <u>4.6</u> Method <u>TPH (8015)</u> Other <input type="checkbox"/></p>
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I HEREBY CERTIFY THAT THE INFORMATION ABOVE IS TRUE AND COMPLETE TO THE BEST OF MY KNOWLEDGE AND BELIEF

DATE 5/13/99 PRINTED NAME Buddy D. Shaw
SIGNATURE Buddy D. Shaw AND TITLE Environmental Coordinator

AFTER REVIEW OF THE SOIL REMEDIATION INFORMATION, ON-SITE REMEDIATION IS APPROVED IN ACCORDANCE TO THE JICARILLA APACHE TRIBE PIT CLOSURE ORDINANCE.

APPROVED: YES ☒ NO ☐ (REASON) _____

SIGNED: K. C. Mamm DATE: 6-18-99

CLIENT: <u>AMOCO</u>	BLAGG ENGINEERING, INC. P.O. BOX 87, BLOOMFIELD, NM 87413 (505) 632-1199	LOCATION NO: <u>83657</u> C.D.C. NO: <u>6924</u>
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FIELD REPORT: LANDFARM/COMPOST PILE CLOSURE VERIFICATION

LOCATION: NAME: <u>JICABILLA APACHE 102</u> WELL #: <u>14E</u> PITS: <u>SEP, BLOW</u>	DATE STARTED: <u>5.12.99</u>
QUAD/UNIT: <u>M</u> SEC: <u>9</u> TWP: <u>26N</u> RNG: <u>4W</u> PM: <u>NM</u> CNTY: <u>RA</u> ST: <u>NM</u>	DATE FINISHED: _____
QTR/FODTAGE: <u>SW/4 SW/4</u> CONTRACTOR: <u>P+S</u>	ENVIRONMENTAL SPECIALIST: <u>REP</u>

SOIL REMEDIATION:

REMEDICATION SYSTEM: LANDFARM

APPROX. CUBIC YARDAGE: 575

LAND USE: RANGE

LIFT DEPTH (ft): 1

FIELD NOTES & REMARKS:

DEPTH TO GROUNDWATER: >100' NEAREST WATER SOURCE: >1000' NEAREST SURFACE WATER: >1000'

NMOCD RANKING SCORE: 0 NMOCD TPH CLOSURE STD: 5000 PPM

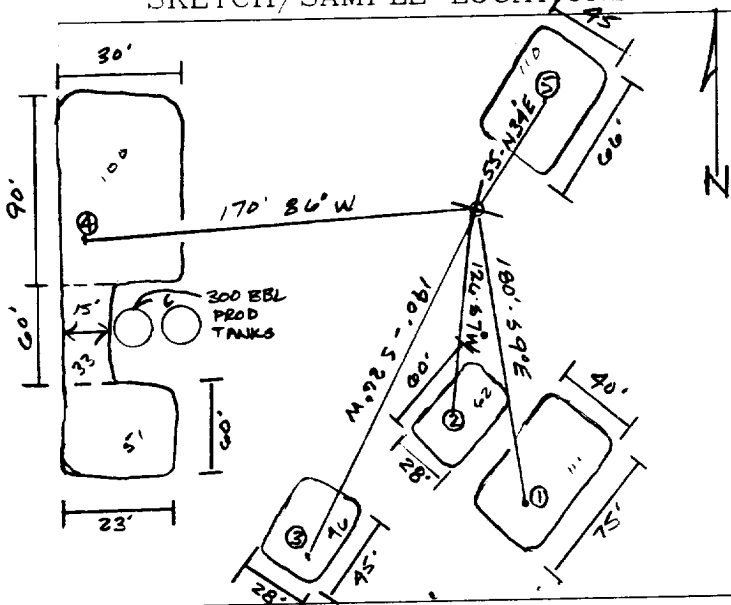
DK YELLOWISH BROWN SAND, NON COHESIVE, SLIGHTLY MOIST, FIRM
NO APPARENT STAINING, NO HC ODOR DETECTED. SAMPLING DEPTHS
RANGE FROM 6"-10" COLLECTED A 5PT. COMPOSITE SAMPLE FOR
LAB ANALYSIS.

CLOSED

FIELD 418.1 CALCULATIONS

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

SKETCH/SAMPLE LOCATIONS



OVM RESULTS

LAB SAMPLES

SAMPLE ID	FIELD HEADSPACE PID (ppm)	SAMPLE ID	ANALYSIS	TIME	RESULTS
LF-1	5.2	LF-1	TPH (8015)	1340	4.6

SCALE

0 1 FT

TRAVEL NOTES: CALLOUT: NA

ONSITE: 5.12.99

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

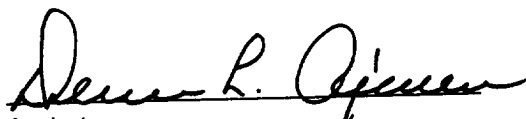
Client:	Blagg / AMOCO	Project #:	403410
Sample ID:	LF - 1	Date Reported:	05-13-99
Laboratory Number:	F220	Date Sampled:	05-12-99
Chain of Custody No:	6924	Date Received:	05-13-99
Sample Matrix:	Soil	Date Extracted:	05-13-99
Preservative:	Cool	Date Analyzed:	05-13-99
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

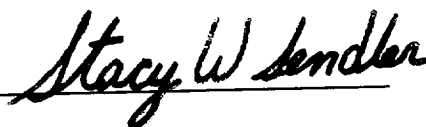
Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	4.6	0.2
Diesel Range (C10 - C28)	ND	0.1
Total Petroleum Hydrocarbons	4.6	0.2

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: Jicarilla Apache 102 - 14 E Landfarm. 5 Pt. Composite.


Analyst


Review

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[illegible]