Comp. Fac.
BJ674
Blow-OK

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

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

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 - 25

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

Pit Type: Separator ____ Dehydrator ____ Other COMPRESSOR

Land Type: RANGE

Pit Location: (Attach diagram)

Pit dimensions: length 30', width 30', depth 3'

Reference: wellhead X, other ____

Footage from reference: 110'

Direction from reference: 33 Degrees X East ____ North ____ of ____ West South X

Depth To Groundwater: (Vertical distance from contaminants to seasonal high water elevation of groundwater)	Less than 50 feet 50 feet to 99 feet Greater than 100 feet	(20 points) (10 points) (0 points)	0
Distance to an Ephemeral Stream (Downgradient dry wash greater than ten feet in width)	Less than 100 feet Greater than 100 feet	(10 points) (0 points)	0
Distance to Nearest Lake, Playa, or Watering Pond (Downgradient lakes, playas and livestock or wildlife watering ponds)	Less than 100 feet Greater than 100 feet	(10 points) (0 points)	0
Wellhead Protection Area: (Less than 200 feet from a private domestic water source, or: less than 1000 feet from all other water sources)	Yes No	(20 points) (0 points)	0
Distance To SurfaceWater: (Horizontal distance to perennial lakes, ponds, rivers, streams, creeks, irrigation canals and ditches)	Less than 100 feet 100 feet to 1000 feet Greater than 1000 feet	(20 points) (10 points) (0 points)	0
		RANKING SCORE (TOTAL POINTS):	0

BJ674 COMPR. PIT

Date Remediation Started: _____ **Date Completed:** 10/18/98

Remediation Method: (Check all appropriate sections) Excavation X Approx. cubic yards 50

Landfarmed X Insitu Bioremediation _____

Other _____

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

General Description of Remedial Action: Excavation. ENTIRE EXCAVATION IN BEDROCK, THEREFORE NO TPH ANALYSIS WAS CONDUCTED. RISK ASSESSED.

Groundwater Encountered: No X 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 3' (PIT BOTTOM)

Sample date 10/18/98 Sample time 1300

Sample Results

Soil:	Benzene	(ppm)		Water: Benzene	(ppb)
	Total BTEX	(ppm)		Toluene	(ppb)
	Field Headspace	(ppm)	351	Ethylbenzene	(ppb)
	TPH	(ppm)	NA	Total Xylenes	(ppb)

Groundwater Sample: Yes ____ No X (If yes, attach sample results)

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

DATE 10/18/98 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 X NO ____ (REASON) _____

SIGNED: Kurt C Marl DATE: 12-28-98

CLIENT: AMOCO

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

LOCATION NO: BJ674
C.O.C. NO: —

FIELD REPORT: CLOSURE VERIFICATION

PAGE No: 1 of 1

LOCATION: NAME: JICA. APACHE 102 WELL #: 25 PIT: COMPRESSOR
QUAD/UNIT: O SEC: 9 TWP: 26N RNG: 4W PM: NM CNTY: RA ST: NM
QTR/FOOTAGE: SW/4 SE/4 CONTRACTOR: PAUL

DATE STARTED: 10-18-98
DATE FINISHED: 10-21-98
ENVIRONMENTAL SPECIALIST: JCG

EXCAVATION APPROX. 30' FT. x 30 FT. x 3 FT. DEEP. CUBIC YARDAGE: 50
DISPOSAL FACILITY: ON SITE REMEDIATION METHOD: LANDFARM
LAND USE: RANGE LEASE: FED LSE 102 FORMATION: _____

FIELD NOTES & REMARKS: PIT LOCATED APPROXIMATELY 110' FT. S33E FROM WELLHEAD.
DEPTH TO GROUNDWATER: >100 NEAREST WATER SOURCE: >1000 NEAREST SURFACE WATER: >1000
NMOCD RANKING SCORE: 0 NMOCD TPH CLOSURE STD: 5000 PPM

CHECK ONE:
X PIT ABANDONED
___ STEEL TANK INSTALLED
___ FIBERGLASS TANK INSTALLED

SOIL AND EXCAVATION DESCRIPTION:

BLUE/GREEN SANDSTONE ON PIT BOTTOM + SIDES, HARD, COHESIVE, HC ODOR. SAMPLE BOTTOM CUTTS SANDSTONE FOR OVM.

ENTIRE EXCAVATION IN BEDROCK

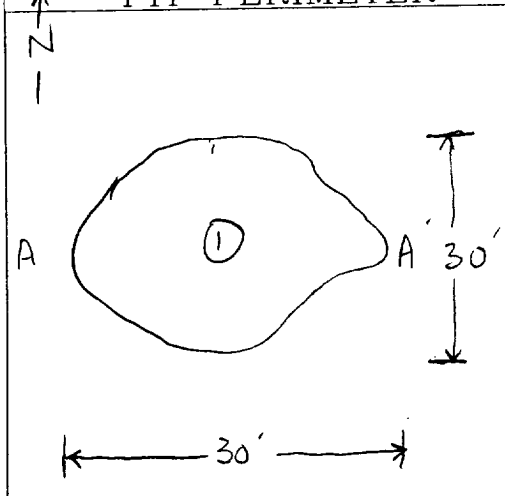
RISK ASSESSED

FIELD 418.1 CALCULATIONS

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

SCALE
0 FT

PIT PERIMETER



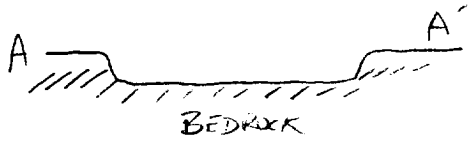
OVM RESULTS

SAMPLE ID	FIELD HEADSPACE PID (ppm)
1 @ 3'	351
2 @	
3 @	
4 @	
5 @	

LAB SAMPLES

SAMPLE ID	ANALYSIS	TIME

PIT PROFILE



TRAVEL NOTES: CALLOUT: _____ ONSITE: _____

Well Name:	**Jicarilla Apache 102 #25**
Well Site location:	Unit O, Sec. 9, T26N, R4W
Pit Type:	Compressor Pit
Producing Formation:	Pictured Cliffs
Pit Category:	Non Vulnerable
Horizonal Distance to Surface Water:	> 1000 ft.
Vicinity Groundwater Depth:	> 100 ft.

RISK ASSESSMENT (non-vulnerable area)

Pit remediation activities were terminated when trackhoe encountered sandstone bedrock at 3 feet below grade.

No past or future threat to surface water or groundwater is likely based on the following considerations:

1. Past production fluids were contained locally by a relatively shallow sandstone bedrock located 3 feet below grade. Groundwater levels located on or close to the well pad are estimated to be at a much greater depth below sandstone bedrock.

2. Topographic information does not indicate off site lateral fluid migration near the earthen pit.

3. Daily discharge into the earthen pit has been terminated (pit abandoned). Prior discharge into the pit is believed to be under 5 barrels per day.

4. Well site located within the **non-vulnerable area** and is approximately 0.88 miles north of the nearest vulnerable area boundary (Tapacito Creek).

   (Refer to Lapis Point Quadrangle, New Mexico - Rio Arriba County, 7.5 Minute Series (Topographic), 1963, (vulnerable area boundary developed by Mr. William C. Olson, Hydrogeologist, Environmental Bureau, New Mexico Oil Conservation Division).

Based upon the information given, we conclude that the subsurface lateral impact from the earthen pit is very limited and that the sandstone bottom creates enough of an impermeable barrier as to subdue impact to groundwater below it (please refer to AMOCO's report "Post Excavation Pit Closure Investigation Summary, July, 1995", with cover letter dated November 30, 1995). AMOCO requests pit closure approval on this location.

BJ674

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

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 - 25

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

Pit Type: Separator X Dehydrator ____ Other BLOW

Land Type: RANGE

Pit Location: (Attach diagram)

Pit dimensions: length 40', width 27', depth 14'

Reference: wellhead X, other ____

Footage from reference: 120'

Direction from reference: 55 Degrees ____ East X North ____ West ____ South of

Depth To Groundwater: (Vertical distance from contaminants to seasonal high water elevation of groundwater)	Less than 50 feet 50 feet to 99 feet Greater than 100 feet	(20 points) (10 points) (0 points)	0
Distance to an Ephemeral Stream (Downgradient dry wash greater than ten feet in width)	Less than 100 feet Greater than 100 feet	(10 points) (0 points)	0
Distance to Nearest Lake, Playa, or Watering Pond (Downgradient lakes, playas and livestock or wildlife watering ponds)	Less than 100 feet Greater than 100 feet	(10 points) (0 points)	0
Wellhead Protection Area: (Less than 200 feet from a private domestic water source, or: less than 1000 feet from all other water sources)	Yes No	(20 points) (0 points)	0
Distance To SurfaceWater: (Horizontal distance to perennial lakes, ponds, rivers, streams, creeks, irrigation canals and ditches)	Less than 100 feet 100 feet to 1000 feet Greater than 1000 feet	(20 points) (10 points) (0 points)	0

RANKING SCORE (TOTAL POINTS): 0

BT674 SEP/BLOW PIT

Date Remediation Started: _____ **Date Completed:** 10/22/98

Remediation Method: (Check all appropriate sections) Excavation X Approx. cubic yards 630

Landfarmed X Insitu Bioremediation _____

Other _____

Remediation Location: (i.e. landfarmed onsite, name and location of offsite facility) Onsite X Offsite X JICA. AP. 102-12E (0-9-26-4)

(APPROX. 180 C.Y.)

General Description of Remedial Action: Excavation. BEDROCK BOTTOM.

Groundwater Encountered: No X 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 8' (WEST SIDEWALL)

Sample date 10/21/98 915 Sample time 1415

Sample Results

Soil:	Benzene	(ppm) 2.510	Water:	Benzene	(ppb) _____
	Total BTEX	(ppm) 43.130		Toluene	(ppb) _____
	Field Headspace	(ppm) 473		Ethylbenzene	(ppb) _____
	TPH	(ppm) 2,140		Total Xylenes	(ppb) _____

Groundwater Sample: Yes ____ No X (If yes, attach sample results)

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

DATE 10/22/98 **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 X NO ____ (REASON) _____

SIGNED: Kenneth Marcell **DATE:** 3-31-99

CLIENT: AMOCO

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

LOCATION NO: BT674
C.O.C. NO: 6363

FIELD REPORT: CLOSURE VERIFICATION

PAGE No: 1 of 1

LOCATION: NAME: JICARILLA APACHE 102 WELL #: 25 PIT: SEP/BLOW
QUAD/UNIT: O SEC: 9 TWP: 26N RNG: 4W PM: NM CNTY: RA ST: NM
QTR/FOOTAGE: SW/4 SE/4 CONTRACTOR: PAUL

DATE STARTED: 10/18/95
DATE FINISHED: 10/2/95
ENVIRONMENTAL SPECIALIST: [illegible]

EXCAVATION APPROX. 40 FT. x 27 FT. x 14 FT. DEEP. CUBIC YARDAGE: 630
DISPOSAL FACILITY: ON SITE / JICA. AP. 102-12E REMEDIATION METHOD: LANDFARM
LAND USE: RANGE LEASE: FED LSE 102 FORMATION:

FIELD NOTES & REMARKS: PIT LOCATED APPROXIMATELY 120' FT. N55W FROM WELLHEAD.
DEPTH TO GROUNDWATER: >100 NEAREST WATER SOURCE: >1000 NEAREST SURFACE WATER: >1000
NMOCD RANKING SCORE: 0 NMOCD TPH CLOSURE STD: 5000 PPM

CHECK ONE:
X PIT ABANDONED
___ STEEL TANK INSTALLED
___ FIBERGLASS TANK INSTALLED

SOIL AND EXCAVATION DESCRIPTION:

SANDSTONE BENCH, YELLOW BROWN, HARD, ON EAST SIDE PIT ONLY. HARD CLAYSTONE BEDROCK BELOW SANDSTONE. WEST SIDE OF PIT YELLOW ORANGE CLAY, DRY TO MOIST, COHESIVE, UN CONSOLIDATED. MINOR HC ODOR ON ALL SAMPLES, 2 of 4 + ②. NO HC STAIN.

BEDROCK BOTTOM

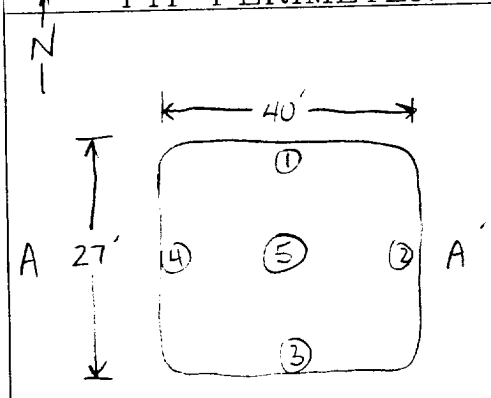
CLOSED

FIELD 418.1 CALCULATIONS

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

SCALE
0 FT

PIT PERIMETER



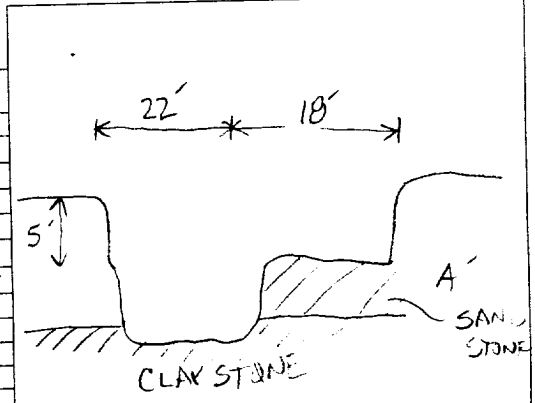
OVM RESULTS

SAMPLE ID	FIELD HEADSPACE PID (ppm)
1 @ 8'	305
2 @ 5'	5.5
3 @ 8'	210
4 @ 8'	473
5 @ 14'	105

LAB SAMPLES

SAMPLE ID	ANALYSIS	TIME
④ W @ 8'	BTEX/TPH	1415
BOTH PASSED		

PIT PROFILE



TRAVEL NOTES: CALLOUT: ONSITE:

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:	Sep / Blow W @ 8'	Date Reported:	10-22-98
Laboratory Number:	E094	Date Sampled:	10-21-98
Chain of Custody No:	6363	Date Received:	10-22-98
Sample Matrix:	Soil	Date Extracted:	10-22-98
Preservative:	Cool	Date Analyzed:	10-22-98
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	**878**	**0.2**
Diesel Range (C10 - C28)	**1,260**	**0.1**
Total Petroleum Hydrocarbons	**2,140**	**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: **Jica. Apa. 102 - 25.**

Analyst

Review

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

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8021
AROMATIC VOLATILE ORGANICS

Client:	Blagg / Amoco	Project #:	04034-10
Sample ID:	Sep / Blow W @ 8'	Date Reported:	10-22-98
Laboratory Number:	E094	Date Sampled:	10-21-98
Chain of Custody:	6363	Date Received:	10-22-98
Sample Matrix:	Soil	Date Analyzed:	10-22-98
Preservative:	Cool	Date Extracted:	10-22-98
Condition:	Cool & Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	**2,510**	**8.8**
Toluene	**12,010**	**8.4**
Ethylbenzene	**3,750**	**7.6**
p,m-Xylene	**18,110**	**10.8**
o-Xylene	**6,750**	**5.2**
Total BTEX	**43,130**	

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	Trifluorotoluene	**98 %**
	Bromofluorobenzene	**98 %**

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: **Jica. Apa. 102 - 25.**

Analyst

Review

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CHAIN OF CUSTODY RECORD

6363

Client / Project Name	Project Location	ANALYSIS / PARAMETERS
BLAGG/AMOCO	JICA. APA. 102-25	
Sampler: J. C. Blagg	Client No. 04034-10	

Sample No./ Identification	Sample Date	Sample Time	Lab Number	Sample Matrix	No. of Containers	TPH 8015	BTEX 8021					Remarks
SEP/BLOW W@8'	10/21/98	1415	E094	SOIL	1	X	X					

	Date	Time		Date	Time
Relinquished by: (Signature) J. C. Blagg	10/22/98	0752	Received by: (Signature) Dawn R. Cifuentes	10.22.98	0752
Relinquished by: (Signature)			Received by: (Signature)		
Relinquished by: (Signature)			Received by: (Signature)		

Rel COC's 6360-6363

ENVIROTECH INC.

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

Sample Receipt	Y	N	N/A
Received Intact	✓		
Cool - Ice/Blue Ice	✓		

DJG14

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 102-25

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

Land Type:

Date Remediation Started: 10 21 98 **Date Completed:** 5/17/99

Remediation Method: Landfarmed ✓ Approx. cubic yards 500

Composted

Other

Depth To Groundwater:	(pts.)	0
Distance to an Ephemeral Stream	(pts.)	0
Distance to Nearest Lake, Playa, or Watering Pond	(pts.)	0
Wellhead Protection Area:	(pts.)	0
Distance To SurfaceWater:	(pts.)	0
RANKING SCORE (TOTAL POINTS):		0

Final Closure Sampling:

Sampling Date: 5.13.99 Time: 1220

Sample Results:

Field Headspace (ppm) 172.4 TPH(8015)

TPH (ppm) 1,670 Method BTEX(8021)

Other BENZENE 0.309 ppm

TOT. BTEX 8.800 ppm

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

DATE 5/17/99 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 X NO ___ (REASON)

SIGNED: Kurt C Mandell DATE: 6-18-99

CLIENT: AMOCO	BLAGG ENGINEERING, INC. P.O. BOX 87, BLOOMFIELD, NM 87413 (505) 632-1199	LOCATION NO: BJ674 C.O.C. NO: 6928

FIELD REPORT: LANDFARM/COMPOST PILE CLOSURE VERIFICATION

LOCATION: NAME: JICARILLA APACHE 102 WELL #: 25 PITS: SEP, BLOW, COMP

QUAD/UNIT: O SEC: 9 TWP: 26N RNG: 4W PM: NM CNTY: RA ST: NM

QTR/FOOTAGE: SW/4 SE/4 CONTRACTOR: P+S

DATE STARTED: 5.13.99

DATE FINISHED:

ENVIRONMENTAL SPECIALIST: REP

SOIL REMEDIATION:

REMEDIATION SYSTEM: LANDFARM APPROX. CUBIC YARDAGE: 500

LAND USE: RANGE LIFT DEPTH (ft): 1.5'

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 - MOIST, FIRM
LARGE AREA OF STAINING OBSERVED IN LANDFARM AREA #1 (SEE SKETCH BELOW)
HC ODOR DETECTED IN SAMPLING PTS. ①, ④ + ⑤. SAMPLING DEPTHS RANGE FROM
6"-12" COLLECTED A 5PT COMPOSITE SAMPLE FOR LAB ANALYSIS.

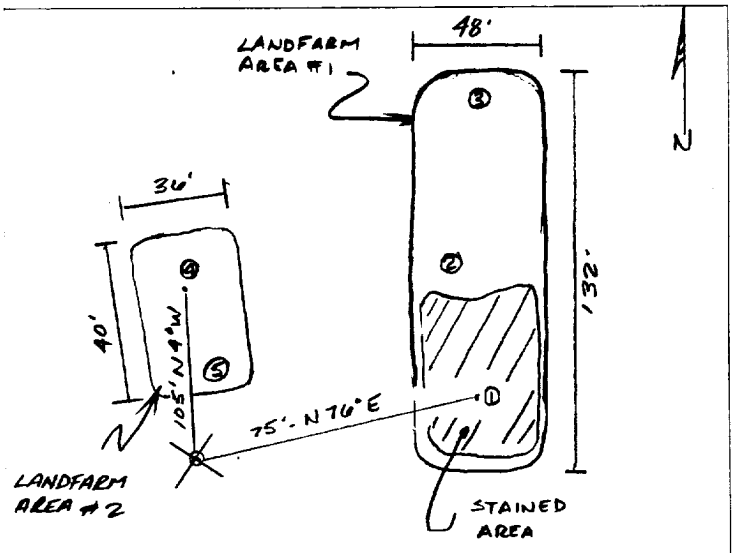
CLOSED

APPROX. 180 C.Y. DISPOSED TO JICA. AP. 102-12E

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	172.4

LAB SAMPLES

SAMPLE ID	ANALYSIS	TIME	RESULTS
LF-1	TPH (8015)	1220	1,670
"	BENZENE	"	309 ppb
"	TOT. BTEX	"	8800 ppb

SCALE

0 FT

TRAVEL NOTES: CALLOUT: NA ONSITE: 5.13.99

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:	05-17-99
Laboratory Number:	F251	Date Sampled:	05-13-99
Chain of Custody No:	6928	Date Received:	05-14-99
Sample Matrix:	Soil	Date Extracted:	05-17-99
Preservative:	Cool	Date Analyzed:	05-17-99
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	**1,100**	**0.2**
Diesel Range (C10 - C28)	**568**	**0.1**
Total Petroleum Hydrocarbons	**1,670**	**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 - 25 Landfarm. 5 Pt. Composite.**

Analyst

Review

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ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8021
AROMATIC VOLATILE ORGANICS

Client:	Blagg / AMOCO	Project #:	403410
Sample ID:	LF - 1	Date Reported:	05-17-99
Laboratory Number:	F251	Date Sampled:	05-13-99
Chain of Custody:	6928	Date Received:	05-14-99
Sample Matrix:	Soil	Date Analyzed:	05-17-99
Preservative:	Cool	Date Extracted:	05-17-99
Condition:	Cool & Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	**309**	**8.8**
Toluene	**2,210**	**8.4**
Ethylbenzene	**1,100**	**7.6**
p,m-Xylene	**3,550**	**10.8**
o-Xylene	**1,630**	**5.2**
Total BTEX	**8,800**	

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	Trifluorotoluene	**98 %**
	Bromofluorobenzene	**98 %**

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 - 25 Landfarm. 5 Pt. Composite.**

Analyst

Review

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CHAIN OF CUSTODY RECORD

6928

Client / Project Name	Project Location	ANALYSIS / PARAMETERS
BLAGG/AMOCO	LANDFARM JICARILLA APACHE 102-25	
Sampler: REP	Client No. 403410	

Sample No./ Identification	Sample Date	Sample Time	Lab Number	Sample Matrix	No. of Containers	TPH (8015)	BTEX (8021)					Remarks
LF-1	5.13.99	1220	F251	SOIL	1	✓	✓					SPT. COMPOSITE
												SAMPLE PRESERVE
												COOL

	Date	Time		Date	Time
Relinquished by: (Signature) E. Howton	5.14.99	7:25	Received by: (Signature) L. Queen	5.14.99	725
Relinquished by: (Signature)			Received by: (Signature)		
Relinquished by: (Signature)			Received by: (Signature)		

ENVIROTECH INC.

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

Sample Receipt	Y	N	N/A
Received Intact	✓		
Cool - Ice/Blue Ice	✓		