

BJ511
SUBMIT 1 COPY TO
NATURAL RESOURCE DEPT
AND OIL & GAS ADMINISTRATION
RECEIVED
AUG 27 1999
OIL CON. DIV.

OIL CON. DIV.

DIST. 3

(505) 326-9200

Operator: AMOCO PRODUCTION COMPANY

Telephone:

Address: 200 Amoco Court, Farmington, NM 87401

Facility or Well Name: JICARILLA GC 35 A #1E

Location: Unit or Qtr/Qtr Sec J Sec 11 T24N R5W County RIO ARRIBA

Pit Type: Separator Dehydrator Other BLOW

Land Type: RANGE

Pit Location: Pit dimensions: length 60', width 45', depth 28'

(Attach diagram)

Reference: wellhead X, other

Footage from reference: 160'

Direction from reference: 5 Degrees X East North X
West 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)

0

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)

0

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)

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 (20 points)
No (0 points)

0

Distance To SurfaceWater:

(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)

0

RANKING SCORE (TOTAL POINTS):

0

Date Remediation Started: _____ Date Completed: 12/9/97Remediation Method: Excavation XApprox. cubic yards 2,000(check all appropriate
options)Landfarmed X

Insitu Bioremediation _____

Other _____

Remediation Location: Onsite X Offsite _____(i.e. landfarmed onsite,
name and location of
offsite facility)General Description of Remedial Action: Excavation. APPLIED FERTILIZER TO SOUTHSIDEWALL + PIT BOTTOM.Groundwater Encountered: No X 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 33' (PIT BOTTOM)Sample date 12/4/97 Sample time 1330

Sample Results

Soil: Benzene	(ppm)	<u>ND</u>	Water: Benzene	(ppb)	_____
Total BTEX	(ppm)	<u>1.550</u>	Toluene	(ppb)	_____
Field Headspace	(ppm)	<u>227.9</u>	Ethylbenzene	(ppb)	_____
TPH	(ppm)	<u>120</u>	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 KNOWLEDGE AND BELIEF

DATE 12/9/97 PRINTED NAME Buddy D. ShawSIGNATURE 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: Kate C Mamm DATE: 1-6-98

3003922173

CLIENT: <u>AMOCO</u>	BLAGG ENGINEERING, INC. P.O. BOX 87, BLOOMFIELD, NM 87413 (505) 632-1199	LOCATION NO: <u>8J511</u> COC. NO: <u>5639</u>
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FIELD REPORT: CLOSURE VERIFICATION

PAGE No: 1 of 1

LOCATION: NAME <u>JICAZILUP GC 35 A</u> WELL # <u>1E</u> PIT <u>BLOW</u>	DATE STARTED: <u>12/4/97</u>
QUAD/UNIT <u>J SEC 11</u> TWP: <u>24N</u> RNG: <u>5W</u> PM NM CNTY <u>RA</u> ST <u>NM</u>	DATE FINISHED: _____
STAKE/FOOTAGE <u>NW 1/4 SEC 14</u> CONTRACTOR: <u>P+S</u>	ENVIRONMENTAL SPECIALIST: <u>NV</u>

EXCAVATION APPROX 60 FT. x 45 FT. x 28 FT. DEEP CUBIC YARDAGE: 2,000
 DISPOSAL FACILITY: ON-SITE REMEDIATION METHOD: STOCKPILED
 LAND USE: RANGE LEASE: SWI 4214 FORMATION: DK

FIELD NOTES & REMARKS: PIT LOCATED APPROXIMATELY 160 FT. NSE FROM WELLHEAD.
 DEPTH TO GROUNDWATER: >100' NEAREST WATER SOURCE: >1000' NEAREST SURFACE WATER: >1000'
 NMDEL PAVING CODE: 0 NMDEL TPH CLOSURE STD: 5000 PPM
 SOIL AND EXCAVATION DESCRIPTION:

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

SOIL CONSISTED OF MOSTLY DK. YELL. BROWN SAND EXCEPT FOR APPROX. 6' LAYER OF HIGHLY PLASTIC & STIFF CLAY (SEE DIAGRAMS BELOW) LIFT INTERLUM ON NORTH, SOUTH, & NORTHEAST SIDEWALL AREAS CONTAINED HC ODOR, NO OBVIOUS STAINING WAS APPARENT THROUGHOUT THE EXCAVATION, SOUTH SIDEWALL & PIT BOTTOM OVM SAMPLE CONTAINED STRONG HC ODOR, SAND WAS NOW COHESIVE, SLIGHTLY MOIST, & FIRM.

CLOSED

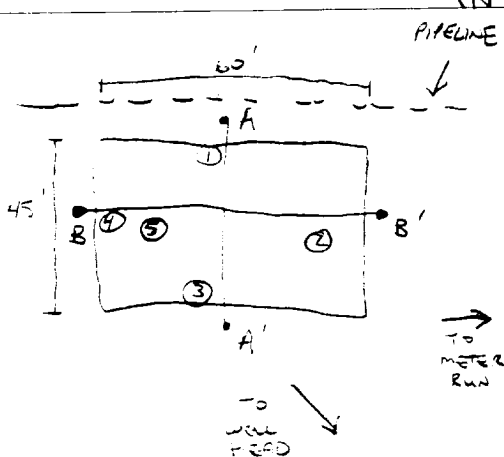
SCALE

0 FT

FIELD DATA CALCULATIONS

TIME	SAMPLE ID	LAB No.	WEIGHT (g)	ML FREON	CLUTON READING	CALC. ppm

PIT PERIMETER



OVM RESULTS

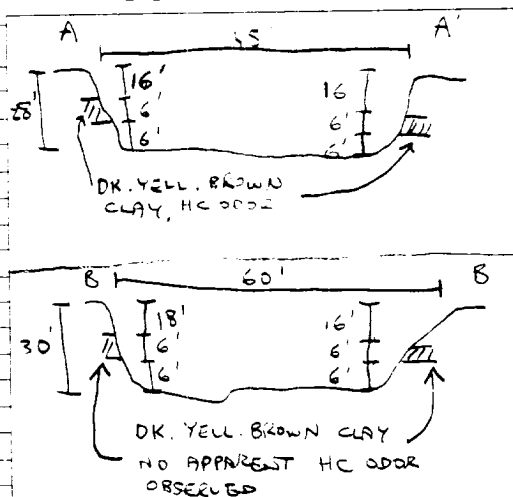
SAMPLE ID	FIELD HEADSPACE PID (ppm)
1 @ 24'	85.4
2 @ 21'	0.0
3 @ 24'	159.6
4 @ 24'	6.0
5 @ 33'	227.9

LAB SAMPLES

SAMPLE ID	ANALYSIS	TIME
⑤ @ 33'	TPH/BTEX (9015)	1330

BOTH PASSED

PIT PROFILE



TRAVEL NOTES: CALL OUT: 12/3/97 - AFTER ON SITE: 12/4/97 - MORN.

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

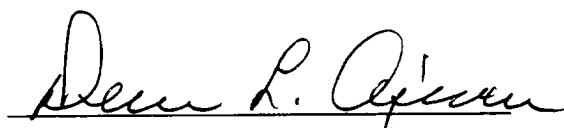
Client:	Blagg / AMOCO	Project #:	04034-10
Sample ID:	5 @ 33'	Date Reported:	12-09-97
Laboratory Number:	C643	Date Sampled:	12-04-97
Chain of Custody No:	5639	Date Received:	12-05-97
Sample Matrix:	Soil	Date Extracted:	12-08-97
Preservative:	Cool	Date Analyzed:	12-08-97
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

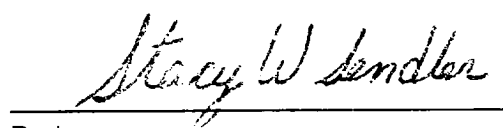
Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	4.6	0.2
Diesel Range (C10 - C28)	115	0.1
Total Petroleum Hydrocarbons	120	0.2

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 GC 35 A #1E Blow Pit.


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8020 AROMATIC VOLATILE ORGANICS

Client:	Blagg / AMOCO	Project #:	04034-10
Sample ID:	5 @ 33'	Date Reported:	12-09-97
Laboratory Number:	C643	Date Sampled:	12-04-97
Chain of Custody:	5639	Date Received:	12-05-97
Sample Matrix:	Soil	Date Analyzed:	12-09-97
Preservative:	Cool	Date Extracted:	12-08-97
Condition:	Cool & Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	ND	8.8
Toluene	264	8.4
Ethylbenzene	114	7.6
p,m-Xylene	818	10.8
o-Xylene	352	5.2
Total BTEX	1,550	

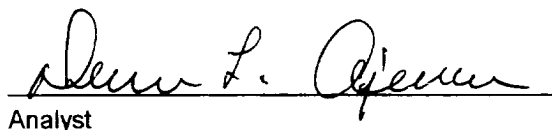
ND - Parameter not detected at the stated detection limit.

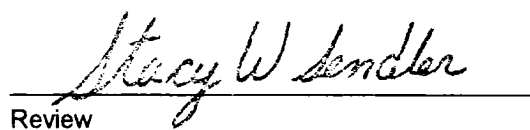
Surrogate Recoveries:	Parameter	Percent Recovery
	Trifluorotoluene	101 %
	Bromofluorobenzene	101 %

References: 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. 1994.

Comments: Jicarilla GC 35 A #1E Blow Pit.


Analyst


Review

**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

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 GC 35 A #1E

Location: Unit or Qtr/Qtr Sec J Sec 11 T 24N R 5W County RIO ARIZONA

Pit Type: Separator ☒ Dehydrator ☐ Other ☐

Land Type: RANGE

Pit Location: Pit dimensions: length 44', width 38', depth 12'
(Attach diagram)

Reference: wellhead ☒, other ☐

Footage from reference: 125'

Direction from reference: 78 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)	<u>0</u>
	Greater than 100 feet (0 points)	
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: 12/9/97

Remediation Method: Excavation ☒ Approx. cubic yards 600
Check all appropriate (i.e. landfarming, etc.)
Landfarming ☒ Insitu Bioremediation _____
Other _____

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

General Description of Remedial Action: ExcavationGroundwater 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 6' (NORTH SIDEWALL)Sample date 12/4/97 Sample time 1225

Sample Results

Soil: Benzene	(ppm)	<u>ND</u>	Water: Benzene	(ppb)	_____
Total BTEX	(ppm)	<u>13.840</u>	Toluene	(ppb)	_____
Field Headspace	(ppm)	<u>116.1</u>	Ethylbenzene	(ppb)	_____
TPH	(ppm)	<u>820</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 12/9/97 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: Ken C. Mamm DATE: 1-6-98

CLIENT: AMOCO	BLAGG ENGINEERING, INC. P.O. BOX 87, BLOOMFIELD, NM 87413 (505) 632-1199	LOCATION NO: 87511 C.D.C. NO: 5639
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FIELD REPORT: CLOSURE VERIFICATION

LOCATION: NAME: JICARIMA GC 35 A WELL #: 1E PIT: SEP	DATE STARTED: 12/4/97
QUAD/UNIT: J SEC 11 TWP: 24N RNG: 5W PM NM CNTY: RA ST: NM	DATE FINISHED: _____
SITE FOOTAGE: NW 1/4 SE 1/4 CONTRACTOR: P & S	ENVIRONMENTAL SPEC. LIST: NV

EXCAVATION APPROX 44 FT. x 38 FT. x 12 FT. DEEP.	CUBIC YARDAGE: 600
DISPOSAL FACILITY: ON-SITE	REMEDIATION METHOD: STOCKPILED
LAND USE: RANGE	LEASE: SW 1/4 4214
	FORMATION: DK

FIELD NOTES & REMARKS: PIT LOCATED APPROXIMATELY 125 FT. S 78 E FROM WELLHEAD.	
DEPTH TO GROUNDWATER: >100'	NEAREST WATER SOURCE: >1000' NEAREST SURFACE WATER: >1000'
NMOC PANING CODE: 0	NMOC TPH CLOSURE STD: 5000 PPM
SOIL AND EXCAVATION DESCRIPTION	

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

SOIL CONSISTED OF MOSTLY SAND, MAJORITY BEING DK. YEL. BROWN EXCEPT FOR OLIVE GRAY TO BLACK DISCOLORATION w/ STRONG HC ODOR OBSERVED ON NORTH & EAST TIDEWALLS (SEE DIAGRAMS BELOW) NON COHESIVE, SLIGHTLY MOIST, FIRM SOUTH & WEST TIDEWALLS ALONG w/ PIT BOTTOM DID NOT INDICATE ANY STAINING OR HC ODOR. EXCAVATION WAS TERMINATED DUE TO AUTOMATION LINES, UNDERGROUND PIPING, & SURFACE EQUIPMENT.

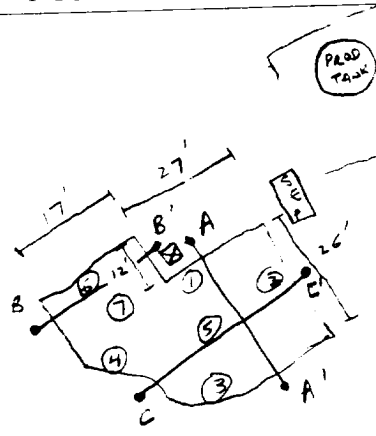
CLOSED



FIELD 4181 CALCULATIONS

TIME	SAMPLE ID	LAB NO.	WEIGHT (g)	ML FREON	DILUTION	READING	CALC	PPM

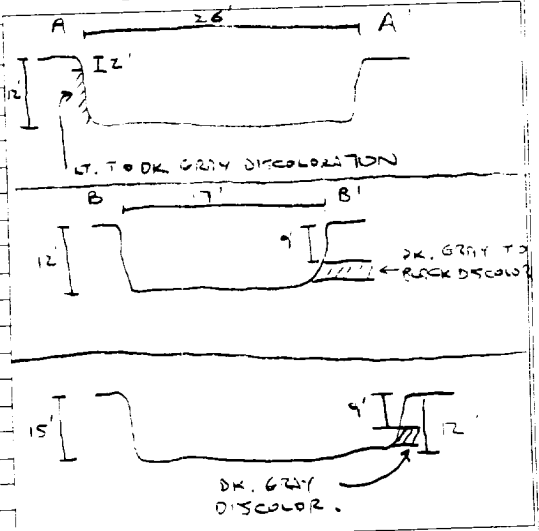
PIT PERIMETER



OVM RESULTS

SAMPLE ID	FIELD HEADSPACE PID (ppm)
1 E 6'	116.1
2 E 6'	0.0
3 E 6'	0.0
4 E 7'	0.0
5 E 14'	0.0
6 E 7'	0.0
7 E 14'	0.0

PIT PROFILE



LAB SAMPLES		
SAMPLE ID	ANALYSIS	TIME
1 E 6'	TPH/BTEX (3015)	1225

BOTH PASSED

TRAVEL NOTES: CALLOUT: 12/3/97 - AFTER.	ONSITE: 12/4/97 - MORN.
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ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

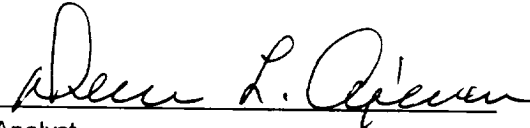
Client:	Blagg / AMOCO	Project #:	04034-10
Sample ID:	1 @ 6'	Date Reported:	12-09-97
Laboratory Number:	C642	Date Sampled:	12-04-97
Chain of Custody No:	5639	Date Received:	12-05-97
Sample Matrix:	Soil	Date Extracted:	12-08-97
Preservative:	Cool	Date Analyzed:	12-08-97
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

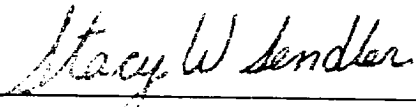
Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	105	0.2
Diesel Range (C10 - C28)	715	0.1
Total Petroleum Hydrocarbons	820	0.2

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 GC 35 A #1E Separator Pit.


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8020 AROMATIC VOLATILE ORGANICS

Client:	Blagg / AMOCO	Project #:	04034-10
Sample ID:	1 @ 6'	Date Reported:	12-09-97
Laboratory Number:	C642	Date Sampled:	12-04-97
Chain of Custody:	5639	Date Received:	12-05-97
Sample Matrix:	Soil	Date Analyzed:	12-09-97
Preservative:	Cool	Date Extracted:	12-08-97
Condition:	Cool & Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	ND	8.8
Toluene	694	8.4
Ethylbenzene	753	7.6
p,m-Xylene	8,550	10.8
o-Xylene	3,840	5.2
Total BTEX	13,840	

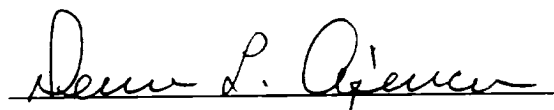
ND - Parameter not detected at the stated detection limit.

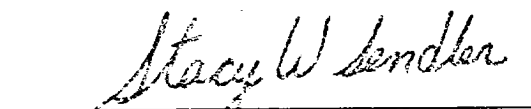
Surrogate Recoveries:	Parameter	Percent Recovery
	Trifluorotoluene	96 %
	Bromofluorobenzene	96 %

References: 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. 1994.

Comments: Jicarilla GC 35 A #1E Separator Pit.


Analyst


Review

CHAIN OF CUSTODY RECORD

Client/Project Name			Project Location			ANALYSIS/PARAMETERS						
Sampler: (Signature)			Chain of Custody Tape No.			No. of Containers		Remarks				
Sample No./ Identification	Sample Date	Sample Time	Lab Number	Sample Matrix	TPH (8015)	BTX (8020)						
① e 6'	12/4/97	1225	C642	SOIL	1	✓	✓				SEPARATOR PIT	
⑤ e 33'	12/4/97	1330	C643	SOIL	1	✓	✓				BLOW PIT	
											IF BTX TPH'S <	
											5000 PPM, THEN	
											RUN BTX FOR	
											RESERVE SAMPLE.	
Relinquished by: (Signature)			Date	Time	Received by: (Signature)				Date	Time		
Michael Vel			12/5/97	0945	Deanna K. Oliver				12/5/97	0945		
Relinquished by: (Signature)			Received by: (Signature)									
Relinquished by: (Signature)			Received by: (Signature)									

RAP acc's 5638-5647

ENVIROTECH INC.

5796 U.S. Highway 64-3014

Farmington, New Mexico 87401

(505) 632-0615

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

8J511

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

ON-SITE SOIL REMEDIATION REPORT

Operator: <u>AMOCO PRODUCTION COMPANY</u>		Telephone: <u>(505) 326-9200</u>
Address: <u>200 Amoco Court, Farmington, NM 87401</u>		
Facility or Well Name: <u>JICARILLA GC 35 A #1E</u>		
Location: Unit or Qtr/Qtr Sec <u>E</u> Sec <u>11</u> T <u>24N</u> R <u>5W</u> County <u>RIO ARriba</u>		
Land Type: <u>RANGE</u>		
Date Remediation Started: <u>12/1/97</u>		Date Completed: <u>9/24/98</u>
Remediation Method: Landfarmed ☒ Composted ☐ Other ☐		Approx. cubic yards <u>1,500</u>
Depth To Groundwater: (pts.) <u>0</u>		Final Closure Sampling: Sampling Date: <u>9/23/98</u> Time: <u>1200</u> Sample Results: Field Headspace (ppm) _____ TPH (ppm) _____ Method <u>8015</u> Other <u>MULTIPLE SAMPLES - SEE ATTACHED FORM.</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>		
I HEREBY CERTIFY THAT THE INFORMATION ABOVE IS TRUE AND COMPLETE TO THE BEST OF MY KNOWLEDGE AND BELIEF		
DATE <u>9/24/98</u> PRINTED NAME <u>Buddy D. Shaw</u>		
SIGNATURE <u>Buddy D. Shaw</u> AND TITLE <u>Environmental Coordinator</u>		
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: <u>K. C. Mando</u>		DATE: <u>10-1-98</u>

CLIENT: <u>Amoco</u>	BLAGG ENGINEERING, INC. P.O. BOX 87, BLOOMFIELD, NM 87413 (505) 632-1199	LOCATION NO: <u>87511</u> C.O.C. NO: <u>6215</u>
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FIELD REPORT: LANDFARM/COMPOST PILE CLOSURE VERIFICATION

LOCATION: NAME: <u>JICARILLA GC 35 A</u> WELL #: <u>1E</u> PITS: <u>SEP, Blow</u>	DATE STARTED: <u>9/23/98</u>
QUAD/UNIT <u>E</u> SEC: <u>11</u> TWP: <u>24N</u> RNG: <u>5W</u> PM: <u>NM</u> CNTY: <u>RA</u> ST: <u>NM</u>	DATE FINISHED: _____
QTR/FOOTAGE: <u>SW1/4 NW1/4</u> CONTRACTOR: <u>P & S</u>	ENVIRONMENTAL SPECIALIST: <u>NV</u>

SOIL REMEDIATION:

REMEDICATION SYSTEM: LANDFARM
LAND USE: RANGE

APPROX. CUBIC YARDAGE: 1,500
LIFT DEPTH (ft): 1'-2'

FIELD NOTES & REMARKS:

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

NMOCB RANKING SCORE 0 NMOCB TPH CLOSURE STD: 5000 PPM

OK. YELL. ORANGE TO BROWN SAND, NON COHESIVE, SLIGHTLY MOIST FIRM PARAFFIN LIKE STAINING OBSERVED IN LARGE PORTION OF LF-2 AREA (SEE SKETCH BELOW) SAMPLING DEPTHS RANGE FROM 6" TO 1 1/2', SLIGHT HC ODOR IN LF-2 SAMPLING PTS. ⑨, ⑩, ⑪, ⑫, ⑬, ⑭, ⑮, ⑯, ⑰, ⑱, ⑲, ⑳, ㉑, ㉒, ㉓, ㉔, ㉕, ㉖, ㉗, ㉘, ㉙, ㉚, ㉛, ㉜, ㉝, ㉞, ㉟, ㊱, ㊲, ㊳, ㊴, ㊵, ㊶, ㊷, ㊸, ㊹, ㊺, ㊻, ㊼, ㊽, ㊾, ㊿, ㏀, ㏁, ㏂, ㏃, ㏄, ㏅, ㏆, ㏇, ㏈, ㏉, ㏊, ㏋, ㏌, ㏍, ㏎, ㏏, ㏐, ㏑, ㏒, ㏓, ㏔, ㏕, ㏖, ㏗, ㏘, ㏙, ㏚, ㏛, ㏜, ㏝, ㏞, ㏟, ㏠, ㏡, ㏢, ㏣, ㏤, ㏥, ㏦, ㏧, ㏨, ㏩, ㏪, ㏫, ㏬, ㏭, ㏮, ㏯, ㏰, ㏱, ㏲, ㏳, ㏴, ㏵, ㏶, ㏷, ㏸, ㏹, ㏺, ㏻, ㏼, ㏽, ㏾, ㏿, 㐀, 㐁, 㐂, 㐃, 㐄, 㐅, 㐆, 㐇, 㐈, 㐉, 㐊, 㐋, 㐌, 㐍, 㐎, 㐏, 㐐, 㐑, 㐒, 㐓, 㐔, 㐕, 㐖, 㐗, 㐘, 㐙, 㐚, 㐛, 㐜, 㐝, 㐞, 㐟, 㐠, 㐡, 㐢, 㐣, 㐤, 㐥, 㐦, 㐧, 㐨, 㐩, 㐪, 㐫, 㐬, 㐭, 㐮, 㐯, 㐰, 㐱, 㐲, 㐳, 㐴, 㐵, 㐶, 㐷, 㐸, 㐹, 㐺, 㐻, 㐼, 㐽, 㐾, 㐿, 㑀, 㑁, 㑂, 㑃, 㑄, 㑅, 㑆, 㑇, 㑈, 㑉, 㑊, 㑋, 㑌, 㑍, 㑎, 㑏, 㑐, 㑑, 㑒, 㑓, 㑔, 㑕, 㑖, 㑗, 㑘, 㑙, 㑚, 㑛, 㑜, 㑝, 㑞, 㑟, 㑠, 㑡, 㑢, 㑣, 㑤, 㑥, 㑦, 㑧, 㑨, 㑩, 㑪, 㑫, 㑬, 㑭, 㑮, 㑯, 㑰, 㑱, 㑲, 㑳, 㑴, 㑵, 㑶, 㑷, 㑸, 㑹, 㑺, 㑻, 㑼, 㑽, 㑾, 㑿, 㒀, 㒁, 㒂, 㒃, 㒄, 㒅, 㒆, 㒇, 㒈, 㒉, 㒊, 㒋, 㒌, 㒍, 㒎, 㒏, 㒐, 㒑, 㒒, 㒓, 㒔, 㒕, 㒖, 㒗, 㒘, 㒙, 㒚, 㒛, 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ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

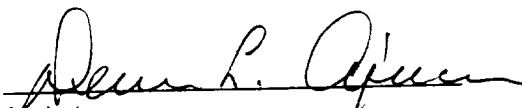
Client:	Blagg / AMOCO	Project #:	04034-10
Sample ID:	LF - 1	Date Reported:	09-24-98
Laboratory Number:	D954	Date Sampled:	09-23-98
Chain of Custody No:	6215	Date Received:	09-23-98
Sample Matrix:	Soil	Date Extracted:	09-24-98
Preservative:	Cool	Date Analyzed:	09-24-98
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

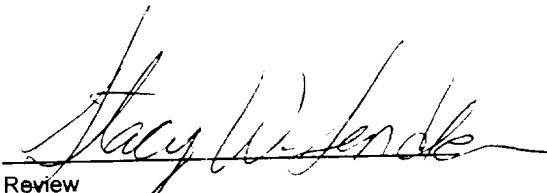
Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	0.6	0.2
Diesel Range (C10 - C28)	200	0.1
Total Petroleum Hydrocarbons	201	0.2

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 GC 35 A #1E Landfarm. 5 Pt. Composite,


Analyst


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PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

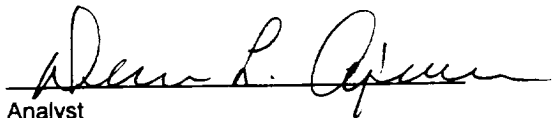
Client:	Blagg / AMOCO	Project #:	04034-10
Sample ID:	LF - 2	Date Reported:	09-24-98
Laboratory Number:	D955	Date Sampled:	09-23-98
Chain of Custody No:	6215	Date Received:	09-23-98
Sample Matrix:	Soil	Date Extracted:	09-24-98
Preservative:	Cool	Date Analyzed:	09-24-98
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

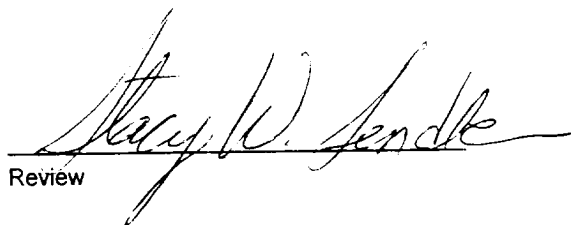
Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	11.3	0.2
Diesel Range (C10 - C28)	1,740	0.1
Total Petroleum Hydrocarbons	1,750	0.2

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 GC 35 A #1E Landfarm. 5 Pt. Composite,


Analyst


Review

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PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

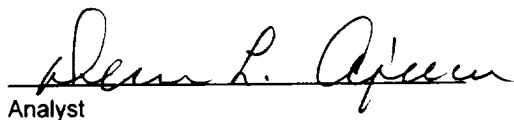
Client:	Blagg / AMOCO	Project #:	04034-10
Sample ID:	LF - 3	Date Reported:	09-24-98
Laboratory Number:	D956	Date Sampled:	09-23-98
Chain of Custody No:	6215	Date Received:	09-23-98
Sample Matrix:	Soil	Date Extracted:	09-24-98
Preservative:	Cool	Date Analyzed:	09-24-98
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

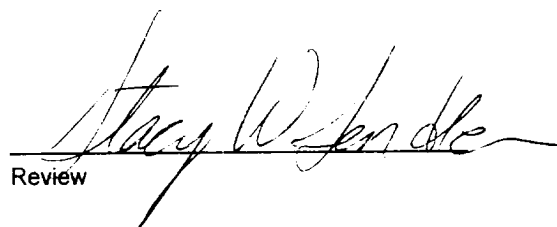
Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	ND	0.2
Diesel Range (C10 - C28)	80.0	0.1
Total Petroleum Hydrocarbons	80.0	0.2

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 GC 35 A #1E Landfarm. 5 Pt. Composite,


Analyst


Review

CHAIN OF CUSTODY RECORD

6215

Client / Project Name		Project Location		ANALYSIS / PARAMETERS																		
BAGS / Amoco		TICAPUA GC 35 A #1E																				
Sampler: NTU		Client No. 04034-10		No. of Containers		TPH (8015)								Remarks								
Sample No. / Identification	Sample Date	Sample Time	Lab Number	Sample Matrix																		
LF-1	9/23/98	1200	0954	SCAL	1	1									5 PT. COMPOSITE							
LF-2	9/23/98	1245	0955	SOIL	1	1									5 PT. COMPOSITE							
LF-3	9/23/98	1345	0956	SOIL	1	1									5 PT. COMPOSITE							
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time															
Relinquished by: (Signature)		9/23/98	1613	Received by: (Signature)																		
Relinquished by: (Signature)				Received by: (Signature)																		
Relinquished by: (Signature)				Received by: (Signature)																		
Ref CUC's 6214-6215 ENVIROTECH INC. 5796 U.S. Highway 64 Farmingington, New Mexico 87401 (505) 632-0615 Sample Receipt <table border="1"> <tr> <td>Received Intact</td> <td>Y</td> <td>N</td> <td>N/A</td> </tr> <tr> <td>Cool - Ice/Blue Ice</td> <td>1</td> <td></td> <td></td> </tr> </table>															Received Intact	Y	N	N/A	Cool - Ice/Blue Ice	1		
Received Intact	Y	N	N/A																			
Cool - Ice/Blue Ice	1																					