

Benjamin J. Frost
DEPUTY OIL & GAS INSPECTOR

OCT 6 8 1999

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

BT525 *SEP-04*
SEP-04 OK
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 CONTRACT 148-22
Location: Unit or Qtr/Qtr Sec M Sec 13 T 25N R 5W County RIO ARRIBA
Pit Type: Separator ☒ Dehydrator ☐ Other ☐
Land Type: RANGE

Pit Location: Pit dimensions: length 25', width 25', depth 23'
(Attach diagram) Reference: wellhead ☒, other ☐
Footage from reference: 175'
Direction from reference: 53 Degrees ☒ East ☒ North
West of South

Depth To Groundwater:

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

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OIL CON. DIV.
DIST. 3

Less than 50 feet	(20 points)	
50 feet to 99 feet	(10 points)	0
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)	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 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)	0
Greater than 1000 feet	(0 points)	

RANKING SCORE (TOTAL POINTS): 0

BJ525

SEP. PIT

Date Remediation Started: _____ Date Completed: 1/28/98

Remediation Method: Excavation ☒ Approx. cubic yards 300
Check all appropriate (check all appropriate) Landfarmed ☒
Insitu Bioremediation _____
Other _____

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

General Description of Remedial Action: Excavation

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 25' (PIT BOTTOM)

Sample date 1/27/98 Sample time 1000

Sample Results

Soil: Benzene	(ppm) _____	Water: Benzene	(ppb) _____
Total BTEX	(ppm) _____	Toluene	(ppb) _____
Field Headspace	(ppm) <u>12.3</u>	Ethylbenzene	(ppb) _____
TPH	(ppm) <u>14.0</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 1/28/98 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: Kee C Mamm DATE: 2-6-98

CLIENT: <u>AMOCO</u>	BLAGG ENGINEERING, INC. P.O. BOX 87, BLOOMFIELD, NM 87413 (505) 632-1199	LOCATION NO: <u>8JS25</u> C.O.C. NO: <u>5716</u>
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FIELD REPORT: CLOSURE VERIFICATION	PAGE No: <u>1</u> of <u>1</u>
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LOCATION: NAME: <u>JICA. CONTR.</u> <u>148</u> WELL #: <u>22</u> PIT: <u>SEP</u> QUAD/UNIT: <u>M</u> SEC: <u>13</u> TWP: <u>ZSN</u> RNG: <u>5W</u> PM: <u>NM</u> CNTY: <u>RA</u> ST: <u>NM</u> QTR/FOOTAGE: <u>SW/4 SW/4</u> CONTRACTOR: <u>P&S</u>	DATE STARTED: <u>1/27/98</u> DATE FINISHED: _____ ENVIRONMENTAL SPECIALIST: <u>NV</u>
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EXCAVATION APPROX. <u>25</u> FT. x <u>25</u> FT. x <u>23</u> FT. DEEP.	CUBIC YARDAGE: <u>300</u>	DISPOSAL FACILITY: <u>ON-SITE</u>
LAND USE: <u>RANGE</u>	LEASE: <u>FED. #148</u>	REMEDIAL METHOD: <u>LANDFILLED</u>
FORMATION: <u>CK/PC</u>		

FIELD NOTES & REMARKS:	PIT LOCATED APPROXIMATELY <u>175</u> FT. <u>N53E</u> FROM WELLHEAD. DEPTH TO GROUNDWATER: <u>>100'</u> NEAREST WATER SOURCE: <u>>1000'</u> NEAREST SURFACE WATER: <u>>1000'</u> NMOC RANKING SCORE: <u>0</u> NMOC TPH CLOSURE STD: <u>5000</u> PPM SOIL AND EXCAVATION DESCRIPTION:
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CHECK ONE:
<input checked="" type="checkbox"/> PIT ABANDONED
<input type="checkbox"/> STEEL TANK INSTALLED
<input type="checkbox"/> FIBERGLASS TANK INSTALLED

SOIL MOSTLY OK. YELL. BROWN SILTY SAND TO SILTY CLAY, NON TO SLIGHTLY COHESIVE, SLIGHTLY MOIST, FIRM TO STIFF NO APPARENT STAINING OR HC ODOR OBSERVED W/IN EXCAVATION, SLIGHT HC ODOR DETECTED IN PIT BOTTOM OVM SAMPLE ONLY.

CLOSED

SCALE

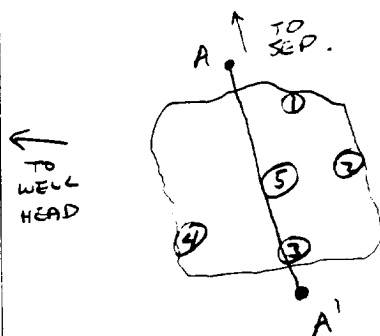


0 FT

FIELD 418.1 CALCULATIONS

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

PIT PERIMETER



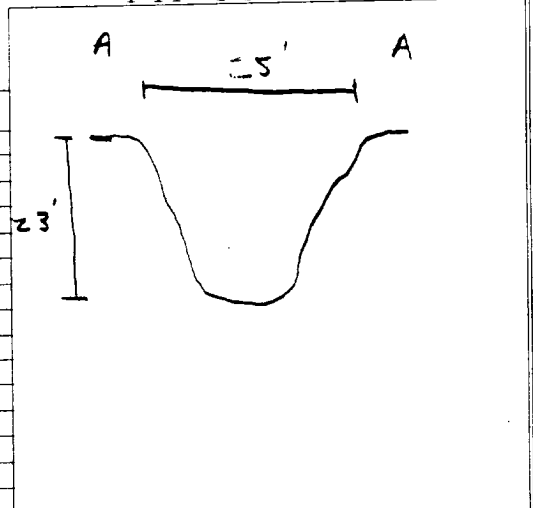
OVM RESULTS

SAMPLE ID	FIELD HEADSPACE PID (ppm)
1 E 17'	0.0
2 E 18'	0.0
3 E 19'	0.0
4 E 18'	0.0
5 E 25'	12.3

LAB SAMPLES

SAMPLE ID	ANALYSIS	TIME
(5) E 25'	TPH 418.1	1000
PASSED		

PIT PROFILE



TRAVEL NOTES:

CALLOUT: _____

ONSITE: 1/13/98

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 418.1 TOTAL PETROLEUM HYDROCARBONS

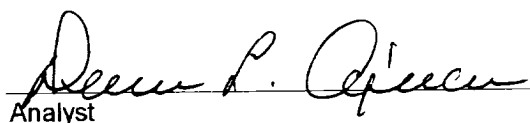
Client:	Blagg / AMOCO	Project #:	04034-10
Sample ID:	5 @ 25'	Date Reported:	01-28-98
Laboratory Number:	C851	Date Sampled:	01-27-98
Chain of Custody No:	5716	Date Received:	01-27-98
Sample Matrix:	Soil	Date Extracted:	01-28-98
Preservative:	Cool	Date Analyzed:	01-28-98
Condition:	Cool and Intact	Analysis Needed:	TPH-418.1

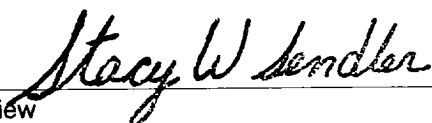
Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
Total Petroleum Hydrocarbons	14.0	5.0

ND = Parameter not detected at the stated detection limit.

References: Method 418.1, Petroleum Hydrocarbons, Total Recoverable, Chemical Analysis of Water and Waste, USEPA Storet No. 4551, 1978.

Comments: Jicarilla Contract 148-22 Separator Pit.


Analyst


Review

SUBMIT 1 COPY TO
NATURAL RESOURCE DEPT
OIL & GAS ADMINISTRATION

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 CONTRACT 148 - 22</u>			
Location: Unit or Qtr/Qtr Sec <u>M</u> Sec <u>13</u> T <u>25N</u> R <u>5W</u> County <u>RIO ARRIBA</u>			
Pit Type: Separator <input checked="" type="checkbox"/> Dehydrator <input type="checkbox"/> Other <input type="checkbox"/>			
Land Type: <u>RANGE</u>			

Pit Location: (Attach diagram)	Pit dimensions: length <u>26'</u> , width <u>33'</u> , depth <u>25'</u>		
	Reference: wellhead <input checked="" type="checkbox"/> , other <input type="checkbox"/>		
	Footage from reference: <u>172'</u>		
	Direction from reference: <u>33</u> Degrees <input checked="" type="checkbox"/> East of North <input checked="" type="checkbox"/> <div style="display: flex; justify-content: space-around; width: 100%;"> <input type="checkbox"/> West <input type="checkbox"/> South </div>		

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)	<u>0</u>
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)	<u>0</u>
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)	<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 No	(20 points) (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 100 feet to 1000 feet Greater than 1000 feet	(20 points) (10 points) (0 points)	<u>0</u>
RANKING SCORE (TOTAL POINTS):			<u>0</u>

Date Remediation Started: _____ Date Completed: 5/15/98

Remediation Method: Excavation ☒ Approx. cubic yards 500
Check all appropriate (actions) Landfarmed ☒ Insitu Bioremediation _____
Other _____

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

General Description of Remedial Action: Excavation

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 18' (EAST SIDEWALK)

Sample date 5/14/98 Sample time 1145

Sample Results

Soil: Benzene	(ppm)	<u>0.0281</u>	Water: Benzene	(ppb)	_____
Total BTEX	(ppm)	<u>4.920</u>	Toluene	(ppb)	_____
Field Headspace	(ppm)	<u>845</u>	Ethylbenzene	(ppb)	_____
TPH	(ppm)	<u>389</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 5/15/98 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: Kate C. M... DATE: 5-15-98

CLIENT: <u>AMOCO</u>	BLAGG ENGINEERING, INC. P.O. BOX 87, BLOOMFIELD, NM 87413 (505) 632-1199	LOCATION NO: <u>8J525</u> C.D.C. NO: <u>5899</u>
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FIELD REPORT: CLOSURE VERIFICATION	PAGE No: <u>1</u> of <u>1</u>
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LOCATION: NAME: <u>JICA. CONTR. 148</u> WELL #: <u>22</u> PIT: <u>SEP. II</u>	DATE STARTED: <u>5/14/98</u> DATE FINISHED: _____
QUAD/UNIT: <u>M</u> SEC: <u>13</u> TWP: <u>25N</u> RNG: <u>5W</u> PM: <u>NM</u> CNTY: <u>RA</u> ST: <u>NM</u>	ENVIRONMENTAL SPECIALIST: <u>NV</u>
QTR/FOOTAGE: <u>SW14</u> <u>SW14</u> CONTRACTOR: <u>P & S</u>	

EXCAVATION APPROX. <u>26</u> FT x <u>33</u> FT x <u>25</u> FT. DEEP. CUBIC YARDAGE: <u>500</u>
DISPOSAL FACILITY: <u>ON-SITE</u> REMEDIATION METHOD: <u>LANDFARM</u>
LAND USE: <u>RANGE</u> LEASE: <u>JIC 148</u> FORMATION: <u>CR/PK</u>

FIELD NOTES & REMARKS:	PIT LOCATED APPROXIMATELY <u>172'</u> FT. <u>N33E</u> FROM WELLHEAD.
DEPTH TO GROUNDWATER: <u>>100'</u> NEAREST WATER SOURCE: <u>>1000'</u> NEAREST SURFACE WATER: <u>>1000'</u>	

NMOCB RANKING SCORE: <u>0</u> NMOCB TPH CLOSURE STD: <u>5000</u> PPM	CHECK ONE: <input checked="" type="checkbox"/> PIT ABANDONED <input type="checkbox"/> STEEL TANK INSTALLED <input type="checkbox"/> FIBERGLASS TANK INSTALLED
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SOIL MOSTLY DR. YELL. ORANGE TO MOD. YELL. BROWN SAND EXCEPT SOUTH SIDEWALL WHICH IS OLIVE GRAY IN COLOR, NON COHESIVE, SLIGHTLY MOIST, FIRM TO DENSE (NORTH SIDEWALL) NO APPARENT STAINING OBSERVED W/IN EXCAVATION HC ODOR WAS PRESENT, STRONG HC ODOR IN EAST & WEST SIDEWALL OUM SAMPLES.

CLOSED

SCALE
0 FT

PIT PERIMETER

FIELD 418.1 CALCULATIONS

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

PIT PROFILE

OVM RESULTS

SAMPLE ID	FIELD HEADSPACE PID (ppm)
1 @ 19'	8.7
2 @ 18'	845
3 @ 20'	166.7
4 @ 20'	481
5 @ 27'	65.1

LAB SAMPLES

SAMPLE ID	ANALYSIS	TIME
2 @ 18'	TPH/BTEX	1145
	8015 8021	

BOTH PASSED

TRAVEL NOTES:	CALLOUT: <u>5/12/98 - morn</u>	ONSITE: <u>5/14/98</u>
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ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

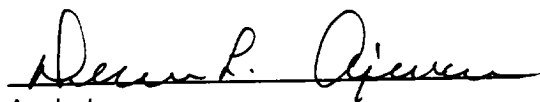
Client:	Blagg / AMOCO	Project #:	04034-10
Sample ID:	2 @ 18'	Date Reported:	05-15-98
Laboratory Number:	D277	Date Sampled:	05-14-98
Chain of Custody No:	5899	Date Received:	05-14-98
Sample Matrix:	Soil	Date Extracted:	05-15-98
Preservative:	Cool	Date Analyzed:	05-15-98
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

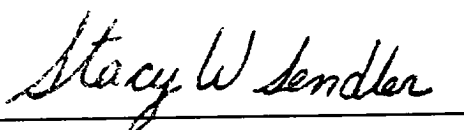
Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	308	0.2
Diesel Range (C10 - C28)	80.8	0.1
Total Petroleum Hydrocarbons	389	0.2

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 Contract 148-22 Separator Pit (II).


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8021 AROMATIC VOLATILE ORGANICS

Client:	Blagg / AMOCO	Project #:	04034-10
Sample ID:	2 @ 18'	Date Reported:	05-15-98
Laboratory Number:	D277	Date Sampled:	05-14-98
Chain of Custody:	5899	Date Received:	05-14-98
Sample Matrix:	Soil	Date Analyzed:	05-15-98
Preservative:	Cool	Date Extracted:	05-15-98
Condition:	Cool & Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	28.1	11.7
Toluene	48.9	11.1
Ethylbenzene	1,100	10.1
p,m-Xylene	2,560	14.4
o-Xylene	1,180	6.9
Total BTEX	4,920	

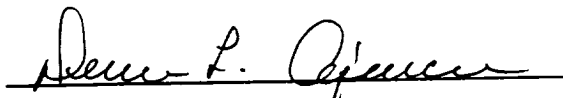
ND - Parameter not detected at the stated detection limit.

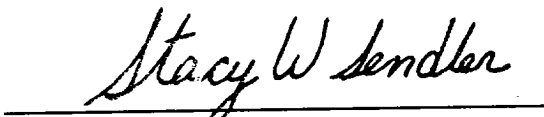
Surrogate Recoveries:	Parameter	Percent Recovery
	Trifluorotoluene	100 %
	Bromofluorobenzene	100 %

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 Contract 148-22 Separator Pit (II).


Analyst


Review

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[illegible]

CHAIN OF CUSTODY RECORD

Client/Project Name			Project Location			ANALYSIS/PARAMETERS											
Sample: (Signature)			Chain of Custody Tape No.			Remarks											
Sample No./ Identification	Sample Date	Sample Time	Lab Number	Sample Matrix	No. of Containers												
② @ 18'	5/14/98	1145	D277	SOIL	1	✓	✓										IF TPH < 5000 ppm, THEN Run BTEX
Relinquished by: (Signature)			Date			Time			Received by: (Signature)			Date			Time		
Relinquished by: (Signature)			5/14/98			1145			Received by: (Signature)			5.14.98			1455		
Relinquished by: (Signature)									Received by: (Signature)								
Relinquished by: (Signature)									Received by: (Signature)								

SAMPLE RECEIVED COOL & WATERS DIV

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

83525

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**

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 CONTRACT 148 - 22</u>		
Location: Unit or Qtr/Qtr Sec <u>M</u> Sec <u>13</u> T <u>25N</u> R <u>5W</u> County <u>RIO ARIZONA</u>		
Land Type: <u>RANGE</u>		
Date Remediation Started: <u>1-27-98</u>		Date Completed: <u>1/12/99</u>
Remediation Method: Landfarmed <input checked="" type="checkbox"/> Composted <input type="checkbox"/> Other <input type="checkbox"/>		Approx. cubic yards <u>800</u>
Depth To Groundwater: (pts.) <u>0</u>		Final Closure Sampling: Sampling Date: <u>1-5-99</u> Time: <u>1400</u> Sample Results: Field Headspace (ppm) <u>0.0</u> TPH (ppm) <u>4.2</u> Method <u>(8015)</u> Other <input type="checkbox"/>
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>1/12/99</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 <input checked="" type="checkbox"/> NO <input type="checkbox"/> (REASON) _____		
SIGNED: <u>K. C. Mann</u>		DATE: <u>3-31-99</u>

CLIENT: <u>AMOCO</u>	BLAGG ENGINEERING, INC. P.O. BOX 87, BLOOMFIELD, NM 87413 (505) 632-1199	LOCATION NO: <u>85525</u> C.O.C. NO: <u>6529</u>
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FIELD REPORT: LANDFARM/COMPOST PILE CLOSURE VERIFICATION

LOCATION: NAME: <u>SICARILLA CONTRACT 148 WELL # 22</u>	PITS: <u>SEP</u>	DATE STARTED: <u>1/5/99</u>
QUAD/UNIT: <u>M SEC: 13 TWP: 25N RNG: 51N PM: NM CNTY: RA ST: NM</u>		DATE FINISHED: <u>1/12/99</u>
QTR/FOOTAGE: <u>SW/4 SW/4</u>	CONTRACTOR: <u>P+S</u>	ENVIRONMENTAL SPECIALIST: <u>REP</u>

SOIL REMEDIATION:

REMEDICATION SYSTEM: LANDFARM

APPROX. CUBIC YARDAGE: 800

LAND USE: RANGE

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

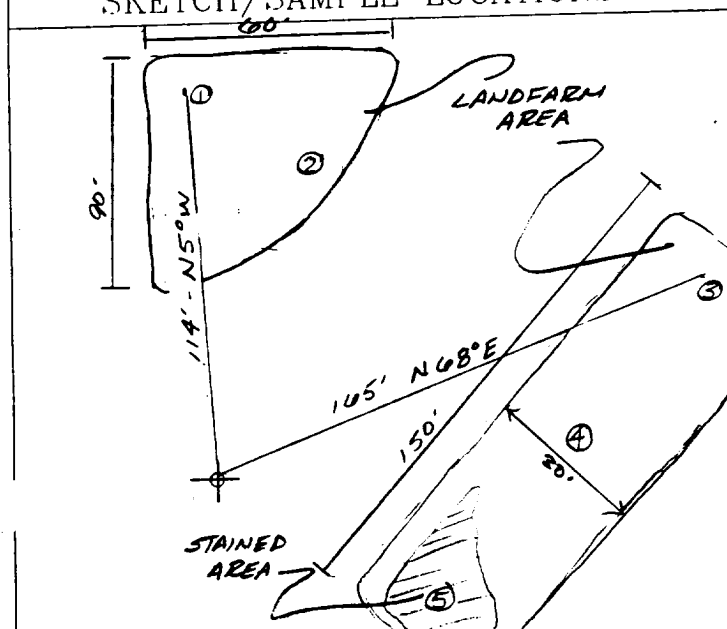
DK. YELLOW ORANGE TO DK BROWN, NON COHESIVE, SLIGHTLY MOIST, LOOSE
LARGE AREA OF STAINING OBSERVED, NO HC ODDR DETECTED. SAMPLING DEPTHS
RANGE FROM 6" - 18" TOOK A SPT COMPOSITE SAMPLE FOR LAB ANALYSIS

CLOSED

FIELD 418.1 CALCULATIONS

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

SKETCH/SAMPLE LOCATIONS

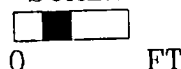


OVM RESULTS

LAB SAMPLES

SAMPLE ID	FIELD HEADSPACE PID (ppm)	SAMPLE ID	ANALYSIS	TIME	RESULTS
LF-1	0.0	LF-1	TPH (8015)	1400	4.2

SCALE



TRAVEL NOTES:

CALLOUT: N/A

ONSITE: 1/5/99

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8015 Modified
Nonhalogenated Volatile Organics
Total Petroleum Hydrocarbons

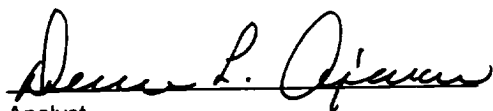
Client:	Blagg / AMOCO	Project #:	04034-10
Sample ID:	LF - 1	Date Reported:	01-08-99
Laboratory Number:	E469	Date Sampled:	01-05-99
Chain of Custody No:	6529	Date Received:	01-07-99
Sample Matrix:	Soil	Date Extracted:	01-08-99
Preservative:	Cool	Date Analyzed:	01-08-99
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	3.8	0.2
Diesel Range (C10 - C28)	0.4	0.1
Total Petroleum Hydrocarbons	4.2	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 Contract 148 - 22 Landfarm. 5 Pt. Composite.


Analyst


Review

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Reg Coc's 6529-6535