

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

RECEIVED
AUG 27 1999

OIL CON. DIV.

DIST. 3 0200

RANKING SCORE (TOTAL POINTS): 0

Date Remediation Started: _____

Date Completed: 4/9/99Remediation Method: Excavation ☒
(Check all appropriate sections) Landfarmed ☒Approx. cubic yards 100

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:
Closure Sampling:
(if multiple samples,
attach sample results
and diagram of sample
locations and depths)Sample location see Attached Documents

Sample depth

5' (WEST SIDEWALL)

Sample date

4/7/99

Sample time

1300

Sample Results

Soil: Benzene

(ppm)

0.0141

Water: Benzene

(ppb)

Total BTEX

(ppm)

1.280

Toluene

(ppb)

Field Headspace

(ppm)

301

Ethylbenzene

(ppb)

TPH

(ppm)

2.7

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

4/9/99

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: _____

DATE: _____

3003923227

CLIENT: <u>AMOCO</u>	BLAGG ENGINEERING, INC. P.O. BOX 87, BLOOMFIELD, NM 87413 (505) 632-1199	LOCATION NO: <u>BT717</u> C.O.C. NO: <u>6636</u>																																
FIELD REPORT: CLOSURE VERIFICATION		PAGE No: <u>1</u> of <u>1</u>																																
LOCATION: NAME: <u>JICA CONTR. 155</u> WELL #: <u>33</u> PIT: <u>BLOW</u>		DATE STARTED: <u>4/7/99</u> DATE FINISHED: _____																																
QUAD/UNIT: <u>A</u> SEC: <u>29</u> TWP: <u>26N</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>790' FNL/1275' FEL</u> CONTRACTOR: <u>P+S</u>																																		
EXCAVATION APPROX. <u>20</u> FT. x <u>17</u> FT. x <u>10</u> FT. DEEP. CUBIC YARDAGE: <u>100</u>																																		
DISPOSAL FACILITY: <u>ON-SITE</u> REMEDIATION METHOD: <u>LANDFARM</u>																																		
LAND USE: <u>RANGE</u> LEASE: <u>JICA 155</u> FORMATION: <u>MV</u>																																		
FIELD NOTES & REMARKS: PIT LOCATED APPROXIMATELY <u>115</u> FT. <u>S18W</u> FROM WELLHEAD.																																		
DEPTH TO GROUNDWATER: <u>>100'</u> NEAREST WATER SOURCE: <u>>1000'</u> NEAREST SURFACE WATER: <u>>1000'</u>																																		
NMOC D RANKING SCORE: <u>6</u> NMOC D TPH CLOSURE STD: <u>5000</u> PPM																																		
SOIL AND EXCAVATION DESCRIPTION:																																		
<p>mostlY PALE YELL. ORANGE SAND, NON COHESIVE, SLIGHTLY MOIST, FIRM, NO APPARENT STAINING OR HC ODOR OBSERVED / DETECTED w/in EXCAVATION HC ODOR DETECTED IN EAST & WEST SIDEWALL OVM SAMPLES.</p> <p>BOTTOM - BEDROCK (SANDSTONE) OLIVE GRAY IN COLOR, VERY HARD, NO APPARENT HC ODOR IN OVM SAMPLE.</p>																																		
<div style="display: flex; justify-content: space-between;"> <div style="width: 30%;"> <p><u>BEDROCK BOTTOM</u></p> <p><u>CLOSED</u></p> <p>SCALE</p> <p>0 FT</p> </div> <div style="width: 60%;"> <p>FIELD 418.1 CALCULATIONS</p> <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>TIME</th> <th>SAMPLE I.D.</th> <th>LAB No:</th> <th>WEIGHT (g)</th> <th>mL. FREON</th> <th>DILUTION</th> <th>READING</th> <th>CALC. ppm</th> </tr> </thead> <tbody> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> </tbody> </table> </div> </div>			TIME	SAMPLE I.D.	LAB No:	WEIGHT (g)	mL. FREON	DILUTION	READING	CALC. ppm																								
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TRAVEL NOTES: CALLOUT: _____ ONSITE: <u>4/7/99 - AFTER.</u>																																		

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

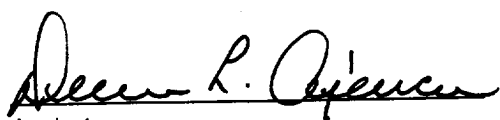
Client:	Blagg / AMOCO	Project #:	403410
Sample ID:	4 @ 5'	Date Reported:	04-09-99
Laboratory Number:	E983	Date Sampled:	04-07-99
Chain of Custody No:	6636	Date Received:	04-08-99
Sample Matrix:	Soil	Date Extracted:	04-08-99
Preservative:	Cool	Date Analyzed:	04-09-99
Condition:	Cool and Intact	Analysis Requested:	8015 TPH


Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	2.7	0.2
Diesel Range (C10 - C28)	ND	0.1
Total Petroleum Hydrocarbons	2.7	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 155 - 33 Blow Pit.


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8021 AROMATIC VOLATILE ORGANICS

Client:	Blagg / AMOCO	Project #:	403410
Sample ID:	4 @ 5'	Date Reported:	04-09-99
Laboratory Number:	E983	Date Sampled:	04-07-99
Chain of Custody:	6636	Date Received:	04-08-99
Sample Matrix:	Soil	Date Analyzed:	04-09-99
Preservative:	Cool	Date Extracted:	04-08-99
Condition:	Cool & Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	14.1	8.8
Toluene	95.8	8.4
Ethylbenzene	80.1	7.6
p,m-Xylene	796	10.8
o-Xylene	294	5.2
Total BTEX	1,280	

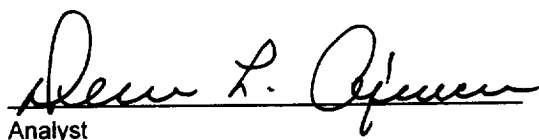
ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	Trifluorotoluene	97 %
	Bromofluorobenzene	97 %

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 155 - 33 Blow Pit.


Analyst


Review

6636

[illegible]

85717

**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: <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 155-33</u>	
Location: Unit or Qtr/Qtr Sec <u>A</u> Sec <u>29</u> T <u>24N</u> R <u>SW</u> County <u>BLAIR</u>	
Land Type: <u>RANGE</u>	
Date Remediation Started: <u>4/8/99</u> Date Completed: <u>6/16/99</u>	
Remediation Method: Landfarmed <input checked="" type="checkbox"/> Approx. cubic yards <u>100</u>	
Composted <input type="checkbox"/>	
Other <input type="checkbox"/>	
Depth To Groundwater: (pts.) <u>0</u>	Final Closure Sampling:
Distance to an Ephemeral Stream (pts.) <u>0</u>	Sampling Date: <u>6-15-99</u> Time: <u>1115</u>
Distance to Nearest Lake, Playa, or Watering Pond (pts.) <u>0</u>	Sample Results:
Wellhead Protection Area: (pts.) <u>0</u>	Field Headspace (ppm) <u>4.5</u>
Distance To Surface Water: (pts.) <u>0</u>	TPH (ppm) <u>3.9</u> Method <u>TPH (AOIS)</u>
RANKING SCORE (TOTAL POINTS): <u>0</u>	Other <input type="checkbox"/>
I HEREBY CERTIFY THAT THE INFORMATION ABOVE IS TRUE AND COMPLETE TO THE BEST OF MY KNOWLEDGE AND BELIEF	
DATE <u>6/16/99</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 type="checkbox"/> NO <input type="checkbox"/> (REASON) _____	
SIGNED: _____ DATE: _____	

CLIENT: <u>AMOCO</u>	BLAGG ENGINEERING, INC. P.O. BOX 87, BLOOMFIELD, NM 87413 (505) 632-1199	LOCATION NO: <u>85717</u> C.O.C. NO: <u>7082</u>
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FIELD REPORT: LANDFARM/COMPOST PILE CLOSURE VERIFICATION

LOCATION: NAME: <u>SICARILLA CONTRACT ISS WELL # 33</u> PITS: <u>BLOW</u>	DATE STARTED: <u>6.15.99</u>
QUAD/UNIT: <u>A SEC: 29 TWP: 26N RNG: 5W PM: NM CNTY: RA ST: NM</u>	DATE FINISHED: _____
QTR/FOOTAGE: <u>NE/4 NE/4</u> CONTRACTOR: <u>P+S</u>	ENVIRONMENTAL SPECIALIST: <u>REP</u>

SOIL REMEDIATION:

REMEDICATION SYSTEM: LANDFARM

APPROX. CUBIC YARDAGE: 100

LAND USE: RANGE

LIFT DEPTH (ft): 1

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

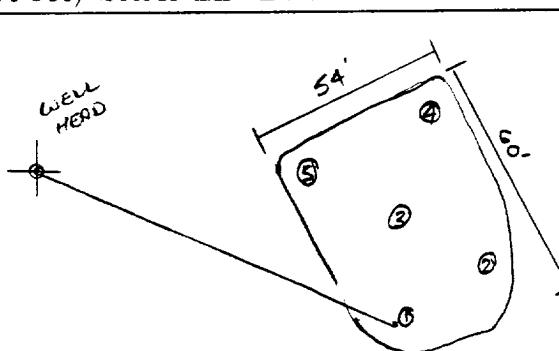
MODERATE YELLOWISH BROWN SILTY SAND NON COHESIVE, SLIGHTLY MOIST, FIRM.
NO APPARENT STAINING, NO HC ODOR DETECTED. SAMPLING DEPTHS RANGE
FROM 6"-10". COLLECTED A SPT COMPOSITE SAMPLE FOR LAB ANALYSIS

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	4.5	LF-1	TPH (80'S)	1115	3.9

SCALE



0 FT

TRAVEL NOTES:

CALLOUT: NA

ONSITE: 6.15.99

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

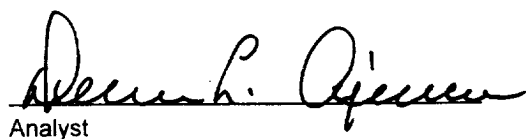
Client:	Blagg / AMOCO	Project #:	403410
Sample ID:	LF - 1	Date Reported:	06-16-99
Laboratory Number:	F516	Date Sampled:	06-15-99
Chain of Custody No:	7082	Date Received:	06-16-99
Sample Matrix:	Soil	Date Extracted:	06-16-99
Preservative:	Cool	Date Analyzed:	06-16-99
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	3.9	0.2
Diesel Range (C10 - C28)	ND	0.1
Total Petroleum Hydrocarbons	3.9	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 155 - 33 Landfarm. 5 Pt. Composite.


Analyst


Review

7082

[illegible]