

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

Prod - CK
BT685
Sep - bedrock
SUBMIT 1 COPY TO
NATURAL RESOURCE DEPT
AND OIL & GAS ADMINISTRATION

RECEIVED
AUG 27 1999

PIT REMEDIATION AND CLOSURE REPORT

OIL CON. DIV.
DIST. 3
(505) 326-9200

Operator: AMOCO PRODUCTION COMPANY Telephone: (505) 326-9200
Address: 200 Amoco Court, Farmington, NM 87401
Facility or Well Name: JICARILLA GC 155 A #1
Location: Unit or Qtr/Qtr Sec H Sec 32 T 26N R 5W County RIO ARriba
Pit Type: Separator Dehydrator Other PRODUCTION TANK
Land Type: RANGE

Pit Location: Pit dimensions: length 35', width 35', depth 14'
(Attach diagram) Reference: wellhead X, other
Footage from reference: 175'
Direction from reference: 46 Degrees East of North X
X 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: 11/30/98

Remediation Method: Excavation ☒ Approx. cubic yards 600
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' (NORTH SIDEWALL)

Sample date 11/24/98 Sample time 0945

Sample Results

Soil: Benzene	(ppm)	_____	Water: Benzene	(ppb)	_____
Total BTEX	(ppm)	_____	Toluene	(ppb)	_____
Field Headspace	(ppm)	<u>0.0</u>	Ethylbenzene	(ppb)	_____
TPH	(ppm)	<u>73.9</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 11/30/98 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: Ken C. McNeill DATE: 12-28-98

23068

CLIENT: AMOCOBLAGG ENGINEERING, INC.
P.O. BOX 87, BLOOMFIELD, NM 87413
(505) 632-1199LOCATION NO: 85685C.D.C. NO: 6315

FIELD REPORT: CLOSURE VERIFICATION

PAGE No: 1 of 1LOCATION: NAME: JICA GC 155 A WELL #: 1 PIT: PROD.
QUAD/UNIT: H SEC: 32 TWP: 26N RNG: 5W PM: NM CNTY: RA ST: NM
QTR/FOOTAGE: 1800' FNL | 850' FEL CONTRACTOR: P+SDATE STARTED: 4/24/98

DATE FINISHED: _____

ENVIRONMENTAL
SPECIALIST: NVEXCAVATION APPROX. 35 FT. x 35 FT. x 14' FT. DEEP. CUBIC YARDAGE: 600
DISPOSAL FACILITY: ON-SITE REMEDIATION METHOD: LANDFILL
LAND USE: RANGE LEASE: TIC 155 FORMATION: MVFIELD NOTES & REMARKS: PIT LOCATED APPROXIMATELY 175' FT. N46°W FROM WELLHEAD.DEPTH TO GROUNDWATER: >100' NEAREST WATER SOURCE: >1000' NEAREST SURFACE WATER: >1000'NMOC RANKING SCORE: 0 NMOC TPH CLOSURE STD: 5000 PPM

SOIL AND EXCAVATION DESCRIPTION:

CHECK ONE:

☒ PIT ABANDONED☐ STEEL TANK INSTALLED☐ FIBERGLASS TANK INSTALLEDSIDEWALLS - MOSTLY OK. YELL. ORANGE SAND, NON COHESIVE, SLIGHTLY MOIST,
FIRM, SMALL ISOLATED STAINING LENSES OBSERVED ON NORTH
SIDEWALL (APPROX. 9'-11' BELOW GRADE) ONLY NO APPARENT HC
ODOR DETECTED WITH EXCAVATION OR IN ANY OF THE OVM
SAMPLES.BOTTOM - BEDROCK (SANDSTONE), OLIVE TO MED. GRAY IN COLOR, VERY HARD,
NO APPARENT HC ODOR IN OVM SAMPLE.BEDROCK
BOTTOM

CLOSED

FIELD 4181 CALCULATIONS

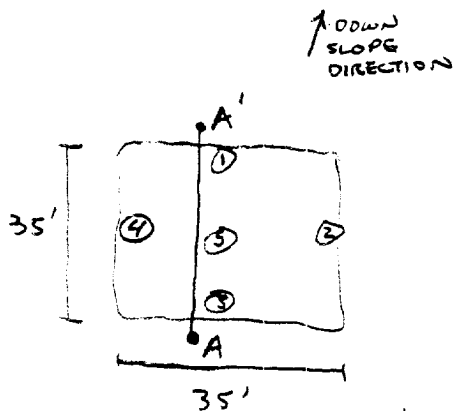
TIME	SAMPLE I.D.	LAB No:	WEIGHT (g)	mL. FREON	DILUTION	READING	CALC. ppm
0945							

SCALE



0 FT

PIT PERIMETER

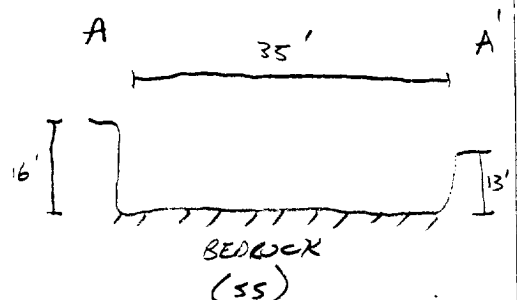
OVM
RESULTS

SAMPLE ID	FIELD HEADSPACE	PID (ppm)
1 @ 7'	0.0	
2 @ 7'	0.0	
3 @ 7'	0.0	
4 @ 8'	0.0	
5 @ 14'	0.0	

LAB SAMPLES

SAMPLE ID	ANALYSIS	TIME
067	TAN (4/8)	0945
	PASSED	

PIT PROFILE



TRAVEL NOTES:

CALLOUT: _____

ONSITE: _____

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 418.1
TOTAL PETROLEUM
HYDROCARBONS

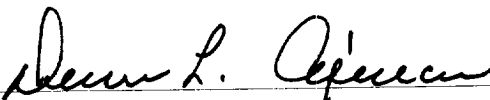
Client:	Blagg / AMOCO	Project #:	04034-10
Sample ID:	1 @ 7'	Date Reported:	11-30-98
Laboratory Number:	E224	Date Sampled:	11-24-98
Chain of Custody No:	6315	Date Received:	11-30-98
Sample Matrix:	Soil	Date Extracted:	11-30-98
Preservative:	Cool	Date Analyzed:	11-30-98
Condition:	Cool and Intact	Analysis Needed:	TPH-418.1

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
Total Petroleum Hydrocarbons	73.9	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 GC 155 A #1 Production Tank Pit.


Analyst


Review

6315

[illegible]

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

BJ685

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 ISS A #1
Location: Unit or Qtr/Qtr Sec H Sec 32 T 26N R 5W County Rio ARIZONA
Pit Type: Separator ☒ Dehydrator ☐ Other ☐
Land Type: RANGE

Pit Location: Pit dimensions: length 21', width 27', depth 19'
(Attach diagram) Reference: wellhead X, other ☐
Footage from reference: 160'
Direction from reference: 57 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 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)	<u>0</u>
Greater than 1000 feet	(0 points)	

RANKING SCORE (TOTAL POINTS): 0

Date Remediation Started: _____ Date Completed: 12/2/98
 Remediation Method: Excavation ☒ Approx. cubic yards 200
 (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. RISK ASSESSED.

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 13' (NORTH SIDEWALL)
 Sample date 11/30/98 Sample time 1245

Sample Results

Soil: Benzene	(ppm)	<u>1.030</u>	Water: Benzene	(ppb)	_____
Total BTEX	(ppm)	<u>19.670</u>	Toluene	(ppb)	_____
Field Headspace	(ppm)	<u>525</u>	Ethylbenzene	(ppb)	_____
TPH	(ppm)	<u>7,580</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 12/2/98 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) RA Attached

SIGNED: Ken C Mamm DATE: 12-28-98

23068

CLIENT: <u>AMOCO</u>	BLAGG ENGINEERING, INC. P.O. BOX 87, BLOOMFIELD, NM 87413 (505) 632-1199	LOCATION NO: <u>BJ685</u> C.O.C. NO: <u>6413</u>
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FIELD REPORT: CLOSURE VERIFICATION		PAGE No: <u>1</u> of <u>1</u>
LOCATION: NAME: <u>JICA GC 155</u> A WELL #: <u>1</u> PIT: <u>SEP.</u>		DATE STARTED: <u>11/30/98</u> DATE FINISHED: _____
QUAD/UNIT: <u>H</u> SEC: <u>32</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>1800' FHL</u> <u>850' FEL</u> CONTRACTOR: <u>PDS</u>		

EXCAVATION APPROX. <u>21</u> FT. x <u>27</u> FT. x <u>19</u> FT. DEEP.	CUBIC YARDAGE: <u>200</u>
DISPOSAL FACILITY: <u>ON-SITE</u>	REMEDIATION METHOD: <u>LANDFARM</u>
LAND USE: <u>RANGE</u>	LEASE: <u>JIC 155</u> FORMATION: <u>MV/CR</u>

FIELD NOTES & REMARKS: PIT LOCATED APPROXIMATELY <u>160</u> FT. <u>SS7W</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
SOIL AND EXCAVATION DESCRIPTION:	
<p>SIDEWALLS - MOSTLY DR. YELL. ORANGE SAND NON COHESIVE SLIGHTLY MOIST, FIRM, MED. GRAY DISCOLORATION OBSERVED IN 1 FT. THICKNESS ABOVE TOP OF BEDROCK (BET. 13-14' BELOW GRADE) DISCOLORATION APPARENTLY ASSOCIATED W/ STAINING HC DOOR DETECTED W/IN EXCAVATION, WEST SIDEWALL OVM SAMPLE COLLECTED FROM BEDROCK.</p> <p>BOTTOM - BEDROCK (SHALE), OLIVE TO DR. GRAY IN COLOR, HARD, HC DOOR DETECTED IN OVM SAMPLE.</p>	
<div style="float: right; border: 1px solid black; padding: 5px; width: fit-content;"> CHECK ONE: <input checked="" type="checkbox"/> PIT ABANDONED <input type="checkbox"/> STEEL TANK INSTALLED <input type="checkbox"/> FIBERGLASS TANK INSTALLED </div>	

RISK ASSESSED

BEADROCK BOTTOM

SCALE 0 FT

FIELD 418.1 CALCULATIONS

TIME	SAMPLE I.D.	LAB No:	WEIGHT (g)	mL. FREON	DILUTION	READING	CALC. ppm
1245							

PIT PERIMETER

OVM RESULTS

SAMPLE ID	FIELD HEADSPACE PID (ppm)
1 @ 13'	525
2 @ 13'	297
3 @ 12'	28.4
4 @ 14'	173.6 RR
5 @ 19'	97.6 RR

LAB SAMPLES

SAMPLE ID	ANALYSIS	TIME
0 @ 13'	TPH/BTEX	1245
TPH - FAILED		
BTEX - PASSED		

PIT PROFILE

TRAVEL NOTES:	CALLCUT: _____	ONSITE: _____
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Well Name:	Jicarilla GC 155 A #1
Well Site location:	Unit H, Sec. 32, T26N, R5W
Pit Type:	Separator Pit
Producing Formation:	Mesa Verde
Pit Category:	Non Vulnerable
Horizontal Distance to Surface Water:	> 1000 ft.
Vicinity Groundwater Depth:	> 100 ft.

RISK ASSESSMENT (non-vulnerable area)

Pit remediation activities were terminated when trackhoe encountered shale bedrock at 19 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 shale bedrock located 19 feet below grade. Groundwater levels located on or close to the well pad are estimated to be at a much greater depth below shale 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 0.21 miles southeast of the nearest vulnerable area boundary (Tapacito Creek).

(Refer to Gonzales Mesa 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 shale 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.

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

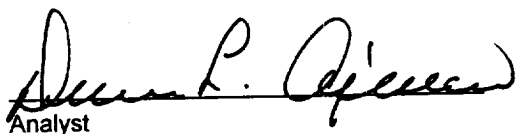
Client:	Blagg / AMOCO	Project #:	04034-10
Sample ID:	1 @ 13'	Date Reported:	12-02-98
Laboratory Number:	E238	Date Sampled:	11-30-98
Chain of Custody No:	6413	Date Received:	12-02-98
Sample Matrix:	Soil	Date Extracted:	12-02-98
Preservative:	Cool	Date Analyzed:	12-02-98
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	3,510	0.2
Diesel Range (C10 - C28)	4,070	0.1
Total Petroleum Hydrocarbons	7,580	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 155 A #1 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:	1 @ 13'	Date Reported:	12-02-98
Laboratory Number:	E238	Date Sampled:	11-30-98
Chain of Custody:	6413	Date Received:	12-02-98
Sample Matrix:	Soil	Date Analyzed:	12-02-98
Preservative:	Cool	Date Extracted:	12-02-98
Condition:	Cool & Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	1,030	8.8
Toluene	1,520	8.4
Ethylbenzene	1,800	7.6
p,m-Xylene	10,300	10.8
o-Xylene	5,020	5.2
Total BTEX	19,670	

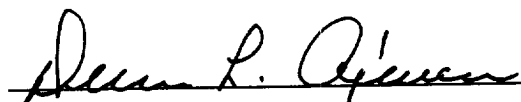
ND - Parameter not detected at the stated detection limit.

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 GC 155 A #1 Separator Pit.


Analyst


Review

6413

[illegible]

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

02685
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 GAS COM. 155 A 1</u>	
Location: Unit or Qtr/Qtr Sec <u>H</u> Sec <u>32</u> T <u>26N</u> R <u>5W</u> County <u>RIO ARriba</u>	
Land Type: <u>RANGE</u>	
Date Remediation Started: <u>11 24 98</u> Date Completed: <u>6/16/99</u>	
Remediation Method: Landfarmed <input checked="" type="checkbox"/> Approx. cubic yards <u>800</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>1300</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>51.7</u>
Distance To Surface Water: (pts.) <u>0</u>	TPH (ppm) <u>4300</u> Method <u>TPH (8015)</u>
RANKING SCORE (TOTAL POINTS): <u>0</u>	Other <u>PREVIOUSLY SAMPLED</u>
TPH <u>6,790 ppm</u>	
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>85685</u> <u>7084</u> C.D.C. NO: <u>7075</u>
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FIELD REPORT: LANDFARM/COMPOST PILE CLOSURE VERIFICATION

LOCATION: NAME: <u>JICARILLA GAS COM 155</u> A WELL #: <u>1</u> PITS: <u>SEP. BLOW</u>	DATE STARTED: <u>6 9 99</u>
QUAD/UNIT: <u>H</u> SEC: <u>32</u> TWP: <u>26N</u> RNG: <u>5W</u> PM: <u>NM</u> CNTY: <u>RA</u> ST: <u>NM</u>	DATE FINISHED: _____
QTR/FOOTAGE: <u>SE/4 NE/4</u> CONTRACTOR: <u>P&H</u>	ENVIRONMENTAL SPECIALIST: <u>REP</u>

SOIL REMEDIATION:

REMEDICATION SYSTEM: LANDFARM

APPROX. CUBIC YARDAGE: 800

LAND USE: RANGE

LIFT DEPTH (ft): 1'

FIELD NOTES & REMARKS:

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

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

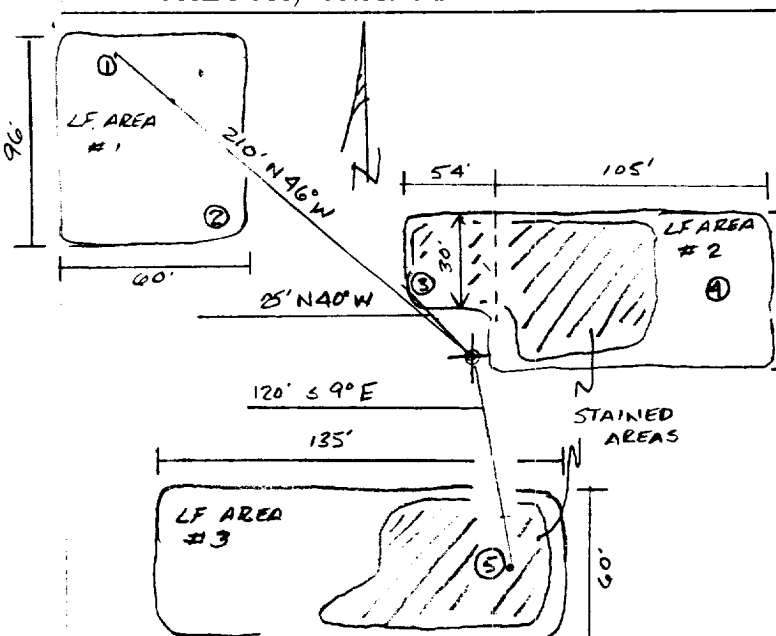
DK. YELLOWISH BROWN SAND, NON COHESIVE, SLIGHTLY MOIST, FIRM.
LARGE AREA OF STAINING OBSERVED IN LANDFARM AREAS #2 + 3. (SEE SKETCH BELOW)
HC ODOR DETECTED IN SAMPLE PTS ③ + ⑤ SAMPLING DEPTHS RANGE FROM 6"-10".
COLLECTED A SPT. COMPOSITE SAMPLE FOR LAB ANALYSIS.

CLOSED

FIELD 418.1 CALCULATIONS

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

SKETCH/SAMPLE LOCATIONS



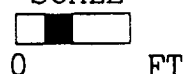
LF-2 SAMPLED ON 6/15/99

OVM RESULTS

LAB SAMPLES

SAMPLE ID	FIELD HEADSPACE PID (ppm)	SAMPLE ID	ANALYSIS	TIME	RESULTS
LF-1	51.7	LF-1	TPH (8015)	1220	6,790
		LF-2	TPH (8015)	1330	4300

SCALE



TRAVEL NOTES:

CALLOUT: NA

ONSITE: 6 9 99

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

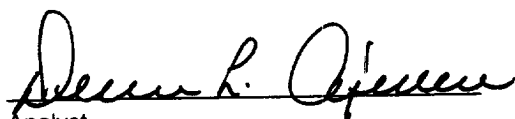
Client:	Blagg / AMOCO	Project #:	403410
Sample ID:	LF - 1	Date Reported:	06-10-99
Laboratory Number:	F483	Date Sampled:	06-09-99
Chain of Custody No:	7075	Date Received:	06-10-99
Sample Matrix:	Soil	Date Extracted:	06-10-99
Preservative:	Cool	Date Analyzed:	06-10-99
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

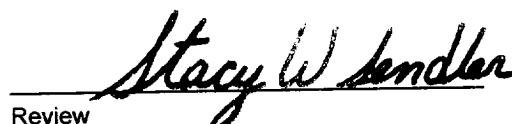
Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	292	0.2
Diesel Range (C10 - C28)	6,500	0.1
Total Petroleum Hydrocarbons	6,790	0.2

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 Gas Com. 155 - A1 Landfarm. 5 Pt. Composite.


Analyst


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ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

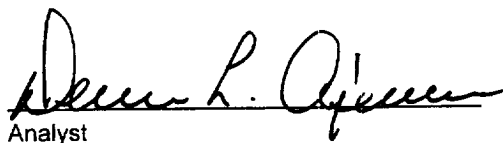
Client:	Blagg / AMOCO	Project #:	403410
Sample ID:	LF - 2	Date Reported:	06-16-99
Laboratory Number:	F518	Date Sampled:	06-15-99
Chain of Custody No:	7084	Date Received:	06-16-99
Sample Matrix:	Soil	Date Extracted:	06-16-99
Preservative:	Cool	Date Analyzed:	06-16-99
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

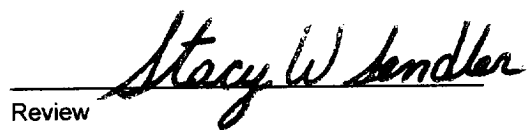
Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	225	0.2
Diesel Range (C10 - C28)	4,080	0.1
Total Petroleum Hydrocarbons	4,300	0.2

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 Gas Com 155 - A 1 Landfarm. 5 Pt. Composite.


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