

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

BJSIO
BLOW-OK
SUBMIT 1 COPY TO
NATURAL RESOURCE DEPT
LAND & GAS ADMINISTRATION
RECEIVED
AUG 27 1999

PIT REMEDIATION AND CLOSURE REPORT OIL CON. DIV.
DIST. 8

Operator: AMOCO PRODUCTION COMPANY Telephone: (505) 326-9200
Address: 200 Amoco Court, Farmington, NM 87401
Facility or Well Name: JICARILLA 35 GC A #1
Location: Unit or Qtr/Qtr Sec M Sec 11 T 24N R 5W County RIO ARRIBA
Pit Type: Separator Dehydrator Other BLOW
Land Type: RANGE

Pit Location: Pit dimensions: length 23', width 20', depth 15'
(Attach diagram) Reference: wellhead X, other
Footage from reference: 175'
Direction from reference: 78 Degrees East of North X
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)	<u>0</u>
	Greater than 100 feet	(0 points)	<u> </u>
Distance to an Ephemeral Stream (Downgradient dry wash greater than ten feet in width)	Less than 100 feet	(10 points)	<u>0</u>
	Greater than 100 feet	(0 points)	<u> </u>
Distance to Nearest Lake, Playa, or Watering Pond (Downgradient lakes, playas and livestock or wildlife watering ponds)	Less than 100 feet	(10 points)	<u>0</u>
	Greater than 100 feet	(0 points)	<u> </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)	<u>0</u>
	No	(0 points)	<u> </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)	<u>0</u>
	Greater than 1000 feet	(0 points)	<u> </u>

RANKING SCORE (TOTAL POINTS): 0

Date Remediation Started: _____ Date Completed: 12/9/97

Remediation Method: Excavation ☒ Approx. cubic yards 200
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:
Closure Sampling:
(if multiple samples,
attach sample results
and diagram of sample
locations and depths)

Sample location see Attached Documents

Sample depth 17' (PIT Bottom)

Sample date 12/4/97 Sample time 1115

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>18.0</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 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: Kerr S. Mammell DATE: 1-6-98

3003905525

CLIENT: <u>AMOCO</u>	BLAGG ENGINEERING, INC. P.O. BOX 87, BLOOMFIELD, NM 87413 (505) 632-1199	LOCATION NO: <u>BT510</u> COC. NO: <u>5638</u>
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FIELD REPORT: CLOSURE VERIFICATION

PAGE No: 1 of 1

LOCATION: NAME <u>JICA 35 GC A</u> WELL # <u>1</u> PIT <u>BLOW</u>	DATE STARTED: <u>12/4/97</u>
QUAD/UNIT: <u>M</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: _____
WELLHEAD STAGE: <u>SW4 SW4</u> CONTRACTOR: <u>P&S</u>	ENVIRONMENTAL SPECIALIST: <u>NV</u>

EXCAVATION APPROX <u>23</u> FT. x <u>20</u> FT. x <u>15</u> FT. DEEP	CUBIC YARDAGE: <u>200</u>
DISPOSAL FACILITY: <u>ON-SITE</u>	REMEDIATION METHOD: <u>LANDFARMED</u>
LAND USE: <u>RANGE</u>	LEASE: <u>SWI 4214</u>
FORMATION: <u>OK</u>	

FIELD NOTES & REMARKS: PIT LOCATED APPROXIMATELY <u>175</u> FT <u>N78W</u> FROM WELLHEAD.		
DEPTH TO GROUNDWATER: <u>>100'</u>	NEAREST WATER SOURCE: <u>>1000'</u>	NEAREST SURFACE WATER: <u>>1000'</u>
NMOOD PAKING SCORE: <u>0</u>	NMOOD TPH CLOSURE STD: <u>5000</u> PPM	CHECK ONE
WELL AND EXCAVATION DESCRIPTION:		☒ PIT ABANDONED ☐ STEEL TANK INSTALLED ☐ FIBERGLASS TANK INSTALLED

SOIL CONSIST OF MOSTLY OK. YELL. BROWN SAND, SAME COLOR CLAY LAYER BETWEEN 9'-14' BELOW GRADE, SAND NON COHESIVE SLIGHTLY MOIST, FIRM CLAY SLIGHTLY PLASTIC, SLIGHTLY MOIST STIFF, NO APPARENT DISCOLORATION OBSERVED W/ W EXCAVATION, NO APPARENT HC ODOR IN ANY OF THE OUN SAMPLES.

CLOSED

FIELD 4120 CALCULATIONS

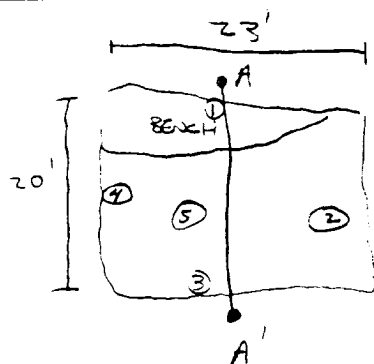
TIME	SAMPLE ID	LAB No	WEIGHT (g)	ML. FREON	DILUTION	READING	CALC	PPM

SCALE



0 FT

PIT PERIMETER



OVM RESULTS

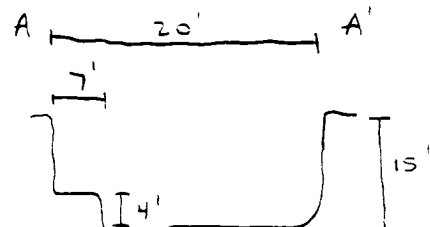
SAMPLE ID	FIELD HEADSPACE PID (ppm)
1 e 10'	0.0
2 e 10'	0.0
3 e 9'	0.0
4 e 9'	0.0
5 e 17'	0.0

LAB SAMPLES

SAMPLE ID	ANALYSIS	TIME
5 e 17' TPH (418.1)		1115

PASSED

PIT PROFILE



TRAVEL NOTES

CALLOUT: 12/3/97 - AFTER.ONSITE: 12/4/97 - MORNING.

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 418.1 TOTAL PETROLEUM HYDROCARBONS

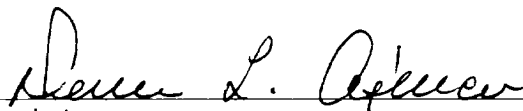
Client:	Blagg / AMOCO	Project #:	04034-10
Sample ID:	5 @ 17'	Date Reported:	12-08-97
Laboratory Number:	C641	Date Sampled:	12-04-97
Chain of Custody No:	5638	Date Received:	12-05-97
Sample Matrix:	Soil	Date Extracted:	12-08-97
Preservative:	Cool	Date Analyzed:	12-08-97
Condition:	Cool and Intact	Analysis Needed:	TPH-418.1

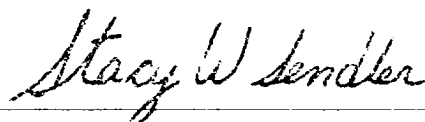
Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
Total Petroleum Hydrocarbons	18.0	5.0

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 35 A #1 Blow Pit.


Analyst


Review

BT 510

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 35 GC A #1		
Location: Unit or Qtr/Qtr Sec M Sec 11 T24N R5W County RIO ARriba		
Pit Type: Separator X Dehydrator Other		
Land Type: RANGE		
Pit Location:		
(Attach diagram)	Pit dimensions: length 42' width 32' depth 12'	
	Reference: wellhead X other	
	Footage from reference: 160'	
	Direction from reference: 20 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)
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)
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)
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)
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)
RANKING SCORE (TOTAL POINTS):		

Date Remediation Started: _____

Date Completed: 12/9/97

Remediation Method:
(check all appropriate
options)

Excavation ☒

Landfarmed ☒

Other _____

Approx. cubic yards 500

In situ Bioremediation _____

Remediation Location:

Onsite ☒ Offsite _____

(i.e. landfarmed onsite,
name and location of
offsite facility)

General Description of Remedial Action: Excavation. APPLIED FERTILIZER ONTO WEST
SIDEWALL.

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 3' (WEST SIDEWALL)

Sample date 12/4/97

Sample time 1015

Sample Results

Soil: Benzene

(ppm)

1.370

Water: Benzene

(ppb)

Total BTEX

(ppm)

186.490

Toluene

(ppb)

Field Headspace

(ppm)

179.1

Ethylbenzene

(ppb)

TPH

(ppm)

1,772

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)

conditional closure

SIGNED:

Kenn C Munnell

DATE:

1-6-98

CLIENT AMOCOBLAGG ENGINEERING, INC.
P.O. BOX 87, BLOOMFIELD, NM 87413
(505) 632-1199LOCATION NO BTS10CDD NO 5638

FIELD REPORT: CLOSURE VERIFICATION

PAGE No: 1 of 1LOCATION: NAME JICAWA 35 GC A WELL # 1 PIT SEP
QUAD/UNIT M SEC 11 TWP: 24N RNG: 5W PM: nm CNTY RA ST: NM
REF FOOTAGE: SW14 SW14 CONTRACTOR: P & SDATE STARTED: 12/4/97

DATE FINISHED: _____

ENVIRONMENTAL
SPECIALIST: NVEXCAVATION APPROX 42 FT. x 32 FT. x 12 FT. DEEP. CUBIC YARDAGE: 500
DISPOSAL FACILITY: ON-SITE REMEDIATION METHOD: LANDFARMED
LAND USE: RANGE LEASE: SW14214 FORMATION: DKFIELD NOTES & REMARKS: PIT LOCATED APPROXIMATELY 160 FT N20E FROM WELLHEAD
DEPTH TO GROUNDWATER: >100' NEAREST WATER SOURCE: >1000' NEAREST SURFACE WATER: >1000'NMDC BANKING SCORE 0 NMDC TPH CLOSURE STD: 5000 PPB

SOIL AND EXCAVATION DESCRIPTION:

CHECK ONE

☒ PIT ABANDONED☐ STEEL TANK INSTALLED☐ FIBERGLASS TANK INSTALLED

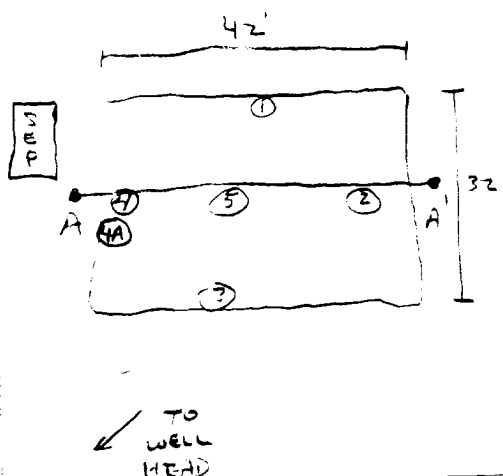
SOIL CONSISTED OF MOSTLY DK. YELL. BROWN SAND W/ EXCEPT OF DK. GRAY DISCOLORED SAND W/ STRONG HC ODOR ON WEST SIDE ONLY (SEE DIAGRAMS BELOW), NON COHESIVE, SLIGHTLY MOIST, FIRM, NO APPARENT HC ODOR IN DUM SAMPLES, DISCOLORED SOIL DOES NOT APPEAR TO BE EXTENSIVE IN QUANTITY, EXCAVATION TERMINATED DUE TO SEPARATOR UNIT.

CONDITIONAL
RISK ASSESS.

SCALE

0 FT

PIT PERIMETER

OVM
RESULTS

SAMPLE ID	FIELD HEADSPACE PD (ppm)
1 6' 7'	0.0
2 6' 6'	0.0
3 6' 7'	0.0
4 6' 8'	179.1
5 6' 15'	0.0
4A 6' 5'	0.0

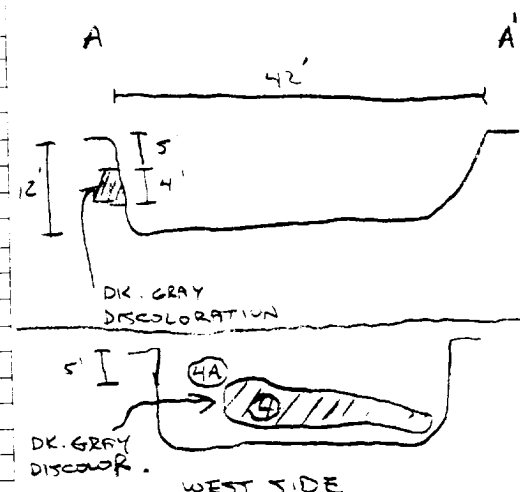
LAB SAMPLES

SAMPLE ID	ANALYSIS	TIME
4 6' 8'	TPH/BTEX	1015

TPH - PASSED

BTEX - FAILED

PIT PROFILE



TRAVEL NOTES:

CALLOUT: 12/3/97 - AFTER.ONSITE: 12/4/97 - MORNING.

Well Name:	Jicarilla 35 GC A #1
Well Site location:	Unit M, Sec. 11, T24N, R5W
Pit Type:	Separator Pit
Producing Formation:	Basin Dakota
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 established vertical extent at 15 feet below grade.

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

1. Groundwater levels located on or close to the well pad are estimated to be at a much greater depth below presumed shallow sandstone bedrock based on topographic and informal site survey of nearby bedrock outcrop information.
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 (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 greater than 200 feet west of the nearest vulnerable area boundary (Tributary to Larga Canada Wash).

(Refer to Otero Store Quadrangle, New Mexico - San Juan 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 vertical impact to groundwater is very unlikely. 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

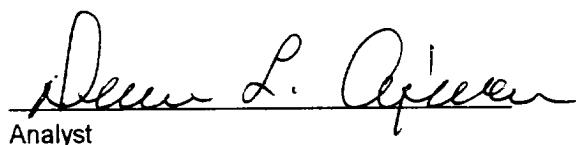
Client:	Blagg / AMOCO	Project #:	04034-10
Sample ID:	4 @ 8'	Date Reported:	12-09-97
Laboratory Number:	C640	Date Sampled:	12-04-97
Chain of Custody No:	5638	Date Received:	12-05-97
Sample Matrix:	Soil	Date Extracted:	12-08-97
Preservative:	Cool	Date Analyzed:	12-08-97
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

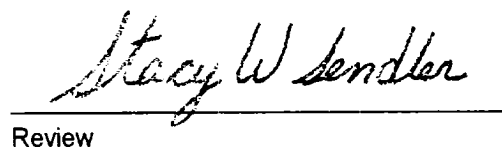
Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	1,384	0.2
Diesel Range (C10 - C28)	388	0.1
Total Petroleum Hydrocarbons	1,772	0.2

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 35 A #1 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:	4 @ 8'	Date Reported:	12-09-97
Laboratory Number:	C640	Date Sampled:	12-04-97
Chain of Custody:	5638	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	1,370	17.5
Toluene	72,010	16.7
Ethylbenzene	28,150	15.2
p,m-Xylene	31,030	21.6
o-Xylene	53,930	10.4
Total BTEX	186,490	

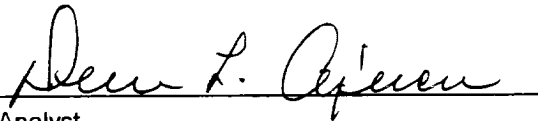
ND - Parameter not detected at the stated detection limit.

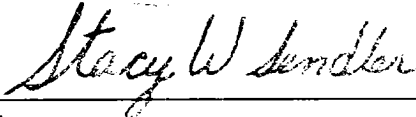
Surrogate Recoveries:	Parameter	Percent Recovery
	Trifluorotoluene	100 %
	Bromofluorobenzene	100 %

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 35 A #1 Separator Pit.


Analyst


Review

(505) 632-0615

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

BTSID

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 #1</u>		
Location: Unit or Qtr/Qtr Sec <u>M</u> Sec <u>11</u> T <u>34N</u> R <u>5W</u> County <u>RIO ARIZONA</u>		
Land Type: <u>RANGE</u>		
Date Remediation Started: <u>12/4/97</u>		Date Completed: <u>9/24/98</u>
Remediation Method: Landfarmed ☒		Approx. cubic yards <u>1,800</u>
Composted ☐		
Other ☐		

Depth To Groundwater: (pts.) <u>0</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>	Final Closure Sampling: Sampling Date: <u>9/23/98</u> Time: <u>1000</u> Sample Results: Field Headspace (ppm) <u>0.0</u> TPH (ppm) <u>9.2</u> Method <u>8015</u> Other <u>2ND SAMPLE</u> <u>0.0</u> ppm <u>(LF-2)</u> <u>TPH = 4.4</u> ppm
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I HEREBY CERTIFY THAT THE INFORMATION ABOVE IS TRUE AND COMPLETE TO THE BEST OF MY KNOWLEDGE AND BELIEF

DATE 9/24/98 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 ☒ NO ☐ (REASON) _____

SIGNED: Ken C. Marshall DATE: 10-1-98

CLIENT: <u>Amoco</u>	BLAGG ENGINEERING, INC. P.O. BOX 87, BLOOMFIELD, NM 87413 (505) 632-1199	LOCATION NO: <u>8JS10</u> C.C.C. NO: <u>6214</u>
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FIELD REPORT: LANDFARM/COMPOST PILE CLOSURE VERIFICATION

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

SOIL REMEDIATION:

REMEDIATION SYSTEM: <u>LANDFARM</u>	APPROX. CUBIC YARDAGE: <u>1,800</u>
LAND USE: <u>RANGE</u>	LIFT DEPTH (ft): <u>1-1.5'</u>

FIELD NOTES & REMARKS:

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

NM D-1 PAKING SCORE: 0 NM D-1 PAK CLOSURE STL: 5000 PPM 12/4/97

SOIL MOSTLY DR. YELL. BROWN SAND, NON COHESIVE SLIGHTLY MOIST, FIRM, NO APPARENT DISCOLORATION OBSERVED ON LANDFARM SURFACE SOME MED. GRAY COLLECTED FROM SAMPLE PTS. ⑦ ⑧ & ⑨ SAMPLING DEPTHS RANGE FROM 6" - 1.5' NO APPARENT HC ODOOR DETECTED @ ANY OF THE SAMPLING PTS. COLLECTED 5 PT COMPOSITE SAMPLES FOR LAB ANALYSIS.

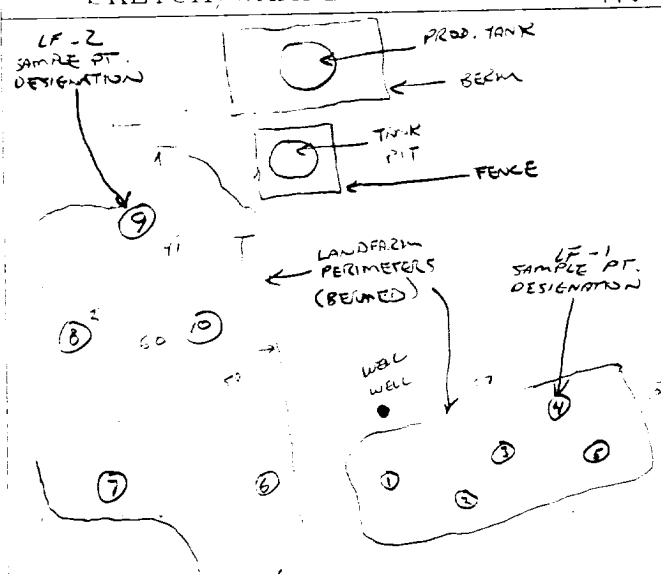
CLOSED

FIELD 418.1 CALCULATIONS

1100 C.Y. DISPOSED FROM JCA. GC. 35 A #1C

CAMP. TIME	SAMPLE ID	LAB No.	WEIGHT (g)	ML. FREQU. DILUTION	REACTING CALCD. 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 (PDIS)	1000	9.2
LF-2	0.0	LF-2	"	1100	4.4

SCALE



TRAVEL NOTES:

CALLOUT: NA

ONSITE: 9/23/98 - noon.

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

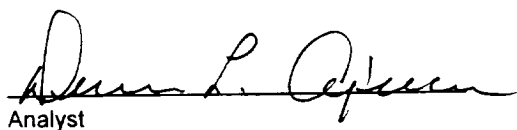
Client:	Blagg / AMOCO	Project #:	04034-10
Sample ID:	LF - 1	Date Reported:	09-24-98
Laboratory Number:	D952	Date Sampled:	09-23-98
Chain of Custody No:	6214	Date Received:	09-23-98
Sample Matrix:	Soil	Date Extracted:	09-24-98
Preservative:	Cool	Date Analyzed:	09-24-98
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

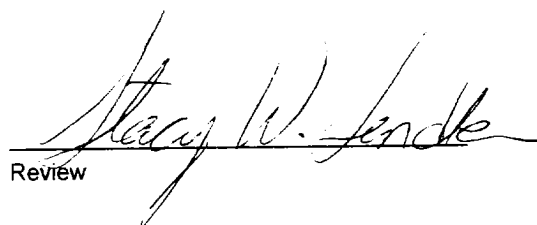
Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	ND	0.2
Diesel Range (C10 - C28)	9.2	0.1
Total Petroleum Hydrocarbons	9.2	0.2

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


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

Client: Blagg / AMOCO
Sample ID: LF - 2
Laboratory Number: D953
Chain of Custody No: 6214
Sample Matrix: Soil
Preservative: Cool
Condition: Cool and Intact

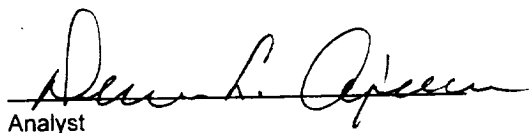
Project #: 04034-10
Date Reported: 09-24-98
Date Sampled: 09-23-98
Date Received: 09-23-98
Date Extracted: 09-24-98
Date Analyzed: 09-24-98
Analysis Requested: 8015 TPH

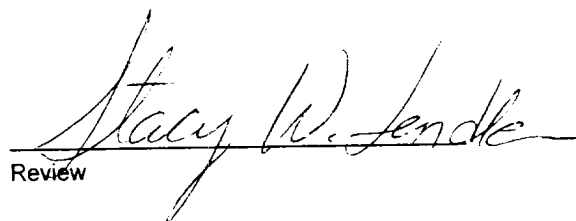
Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	ND	0.2
Diesel Range (C10 - C28)	4.4	0.1
Total Petroleum Hydrocarbons	4.4	0.2

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 #1 Landfarm. 5 Pt. Composite,


Analyst


Review

CHAIN OF CUSTODY RECORD

6214

Client / Project Name <i>BATES / AMOCO</i>				Project Location <i>LANDFILL</i>		ANALYSIS / PARAMETERS					
Client No. <i>04034-10</i>				Remarks							
Sampler: <i>NTV</i>				No. of Containers <i>TPH (8015)</i>							
Sample No./ Identification	Sample Date	Sample Time	Lab Number	Sample Matrix							
<i>LF-1</i>	<i>9/23/98</i>	<i>1000</i>	<i>0952</i>	<i>SOIL</i>	<i>1</i>	<i>1</i>					<i>Preserv. - cool</i>
<i>LF-2</i>	<i>9/23/98</i>	<i>1120</i>	<i>0953</i>	<i>SOIL</i>	<i>1</i>	<i>1</i>					<i>Preserv. - cool</i>
											<i>both samples</i>
											<i>are 5 ft. Contaminates</i>
Relinquished by: (Signature) <i>[Signature]</i>				Date <i>9/23/98</i>	Time <i>1613</i>	Received by: (Signature) <i>[Signature]</i>		Date <i>9/23/98</i>	Time <i>1613</i>		
Relinquished by: (Signature) <i>[Signature]</i>						Received by: (Signature)					
Relinquished by: (Signature)						Received by: (Signature)					

ENVIROTECH INC.

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

Sample Receipt

Y N NA

Received Intact

Cool - Ice/Blue Ice

Rep Coc 6214-6215