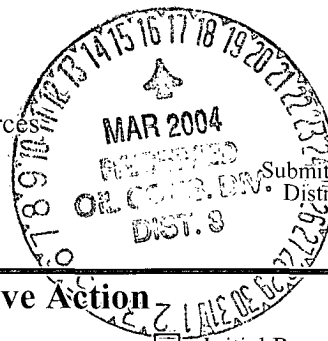


District I  
1625 N. French Dr., Hobbs, NM 88240  
District II  
1301 W. Grand Avenue, Artesia, NM 88210  
District III  
1000 Rio Brazos Road, Aztec, NM 87410  
District IV  
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico  
Energy Minerals and Natural Resources  
Oil Conservation Division  
1220 South St. Francis Dr.  
Santa Fe, NM 87505



Form C-141  
Revised March 17, 1999

Submit 2 Copies to appropriate  
District Office in accordance  
with Rule 116 on back  
side of form

### Release Notification and Corrective Action

#### OPERATOR

☐ Initial Report ☒ Final Report

Name of Company <b>BP America Production Company</b>	Contact <b>Brittany Benko</b>	
Address <b>200 Energy Court Farmington, NM 87401</b>	Telephone No. <b>(505) 326-9235</b>	
Facility Name <b>GCU 306 SWD (Bad Oil Facility)</b>	Facility Type <b>Salt Water Disposal Well</b>	
Surface Owner <b>Private</b>	Mineral Owner <b>NA</b>	Lease No. <b>30-045-24286</b>

#### LOCATION OF RELEASE

Unit Letter <b>I</b>	Section <b>19</b>	Township <b>29N</b>	Range <b>12W</b>	Feet from the <b>2015</b>	North/South Line <b>South Line</b>	Feet from the <b>830</b>	East/West Line <b>East Line</b>	County <b>San Juan County</b>
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#### NATURE OF RELEASE

2/20/2004

Type of Release <b>Condensate/Oil/Produced Water</b>	Volume of Release <b>80 bbls Condensate/Oil 280 bbls Produced Water</b>	Volume Recovered <b>60 bbls Condensate/Oil 140 bbls Produced Water</b>
Source of Release <b>"Gun Barrel" Tank</b>	Date and Hour of Occurrence <b>10/02/2003 3:00 PM</b>	Date and Hour of Discovery <b>10/02/2003 3:05 PM</b>
Was Immediate Notice Given? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? <b>Denny Foust</b>	
By Whom? <b>Brittany Benko</b>	Date and Hour <b>10/03/2003 10:45 AM</b>	
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse.	

If a Watercourse was Impacted, Describe Fully.\*

Describe Cause of Problem and Remedial Action Taken.\*

A lightning strike hit the gun barrel tank at the GCU 306 SWD site. The strike caused the fiberglass tank to part at the base spilling the contents. The oil tank was also damaged - bulged from the strike. All the tank stairs and walk ways were damaged as the fiberglass tank landed against them and snapped the tank lugs off the side of the rest of the tanks. All material released was contained on location within a secondary containment berm built around the entire location. Upon arrival at the site, power to the facility was shut off, pumping wells feeding the facility were also shut down and damage was assessed. A water truck was called and some fluids were recovered. Work was halted as new storm moved toward the site. A decision was made to shut the Job down for night. Cleanup resumed the next morning. On 02/23/2004, Denny Foust notified BP that a portion of the spill had not been cleaned up - specifically a bermed depression north of the gun barrel where the spill occurred still contained oil and produced water. This was confirmed with the Operations Team Leader that supervises that facility - intentions were to finish the cleanup when conditions improved in the spring of 2004. Unfortunately there was a breakdown in internal BP communication and the decision to delay full site cleanup had not been discussed with the NMOCD and approval had not been granted.

Describe Area Affected and Cleanup Action Taken.\*

The recoverable liquid was hauled to other disposal sites. The remaining contaminated soil is being landfarmed on location. Blagg Engineering has been contracted to sample the cleaned up areas to assure cleanup standards are met and will sample the landfarmed soil when it appears that it has reached cleanup standards as well. At that time the soil will be spread back out on the location. The fiber glass tank was disposed of at San Juan County Landfill. The damaged oil tank was hauled to a holding site and will be sold as scrap. Upon notification that a portion of the spill had not been cleaned up, immediate action was taken to remove the liquids and contaminated soil to BP's Crouch Mesa Landfarm. The job was completed on 02/26/2004 and samples taken at the site on 02/27/2004 passed the cleanup standards. During a site visit by Denny Foust (NMOCD) and Brittany Benko (BP) on 02/26/2004 agreement was made to take some further cleanup steps to remove some discolored soil. This was completed and an additional three (3) feet of soil was removed. Pictures and the aforementioned soil samples are attached.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

Signature: <i>Brittany Benko</i>	OIL CONSERVATION DIVISION	
Printed Name: <b>Brittany Benko</b>	Approved by District Supervisor: <i>Denny Foust for Frank Chavez</i>	
Title: <b>Environmental Coordinator</b>	Approval Date: <b>3/17/03</b>	Expiration Date:
Date: <b>03/11/2004</b>	Phone: <b>(505) 326-9235</b>	Conditions of Approval: <b>NDGFC 06452838</b>
		Attached <input type="checkbox"/>

3004524286

CLIENT: <u>BP</u>	BLAGG ENGINEERING, INC. P.O. BOX 87, BLOOMFIELD, NM 87413 (505) 632-1199	LOCATION NO: _____ C.O.C. NO: <u>11666</u>
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## FIELD REPORT: SPILL CLOSURE VERIFICATION

PAGE No: 1 of 1

LOCATION: NAME: GCU WELL #: 306 TYPE: PROD. TANK  
 QUAD/UNIT: I SEC: 19 TWP: 29N RNG: 12W PM: NM CNTY: SJ ST NM  
 QTR/FOOTAGE: 2015'S (830'E NISE CONTRACTOR: LFL (BRIAN))

DATE STARTED: 2/27/04  
 DATE FINISHED: \_\_\_\_\_

ENVIRONMENTAL SPECIALIST: NV

EXCAVATION APPROX. \_\_\_\_\_ FT. x \_\_\_\_\_ FT. x \_\_\_\_\_ FT. DEEP. CUBIC YARDAGE: \_\_\_\_\_  
 DISPOSAL FACILITY: CRUNCH MESA REMEDIATION METHOD: LANDFARM (?)  
 LAND USE: RANGE LEASE: \_\_\_\_\_ FORMATION: MU (SWO)

FIELD NOTES & REMARKS: SAMP. PT. LOCATED APPROXIMATELY 184 FT. N22W FROM WELLHEAD. (GCU #110E)  
 DEPTH TO GROUNDWATER: >100' NEAREST WATER SOURCE: >1000' NEAREST SURFACE WATER: >1000'  
 NMOC D RANKING SCORE: 0 NMOC D TPH CLOSURE STD: 5000 PPM


## SOIL AND EXCAVATION

## DESCRIPTION:

DVM CALIB. READ: 52.1 ppm  
 DVM CALIB. GAS = 100 ppm RF = 0.52  
 TIME: 1:55 am/pm DATE: 2/25/04

SOIL TYPE: SAND / SILTY SAND / SILT / SILTY CLAY / CLAY / GRAVEL / OTHER \_\_\_\_\_  
 SOIL COLOR: MOD. BROWN - SAMPLED  
~~COHESION (ALL OTHERS):~~ NON COHESIVE / SLIGHTLY COHESIVE / COHESIVE / HIGHLY COHESIVE  
~~CONSISTENCY (NON COHESIVE SOILS):~~ LOOSE / FIRM / DENSE / VERY DENSE  
 PLASTICITY (CLAYS): NON PLASTIC / SLIGHTLY PLASTIC / COHESIVE / MEDIUM PLASTIC / HIGHLY PLASTIC  
 DENSITY (COHESIVE CLAYS & SILTS): SOFT / FIRM / STIFF / VERY STIFF / HARD  
 MOISTURE: DRY / SLIGHTLY MOIST / MOIST / WET / SATURATED / SUPER SATURATED  
 DISCOLORATION/STAINING OBSERVED: YES / NO EXPLANATION - SEE NOTES BELOW  
 HC ODOR DETECTED: YES / NO EXPLANATION - DISCOLORED SOIL ONLY  
 SAMPLE TYPE: GRAB / COMPOSITE - # OF PTS. \_\_\_\_\_  
 ADDITIONAL COMMENTS: ISOLATED PATCHES OF BLACK (ONLY) OBSERVED (SEVERAL DIFFERENT SHOTS WITHIN BERM AREA. ALSO OBSERVED VERY THIN LAYER OF DISCOLORED SOIL 2"-4" BELOW PIT DEPRESSION.)

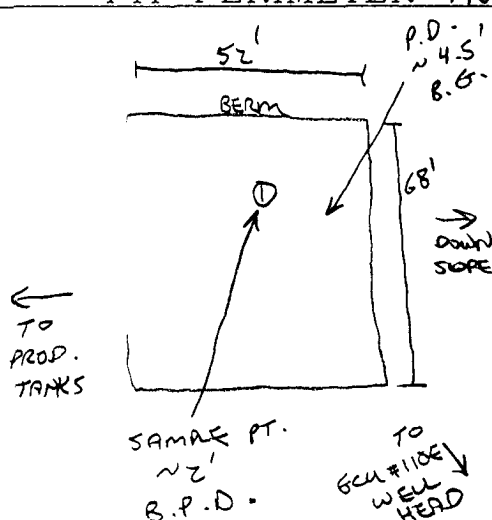
## FIELD 418.1 CALCULATIONS

SCALE  
  
 0 FT

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

PIT PERIMETER AN

## PIT PROFILE



## OVM RESULTS

SAMPLE ID	FIELD HEADSPACE PID (ppm)
1 @ 6.5'	0.0
2 @	
3 @	
4 @	
5 @	

NOT APPLICABLE

## LAB SAMPLES

SAMPLE ID	ANALYSIS	TIME
0 @ 6.5' TAI (80158)	0755	

P.D. = PIT DEPRESSION; B.G. = BELOW GRADE  
 T.H. = TEST HOLE; ~ = APPROX.; B = BELOW

TRAVEL NOTES: CALLOUT: 2/26/04 - AFTER. ONSITE: 2/27/04 - MORN.

# ENVIROTECH LABS

**PRACTICAL SOLUTIONS FOR A BETTER TOMORROW**

**EPA METHOD 8015 Modified  
Nonhalogenated Volatile Organics  
Total Petroleum Hydrocarbons**

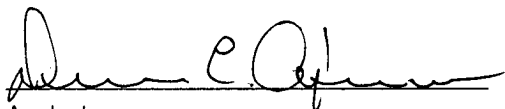
Client:	Blagg / BP	Project #:	94034-010
Sample ID:	1 @ 6.5'	Date Reported:	03-01-04
Laboratory Number:	28022	Date Sampled:	02-27-04
Chain of Custody No:	11666	Date Received:	03-01-04
Sample Matrix:	Soil	Date Extracted:	03-01-04
Preservative:	Cool	Date Analyzed:	03-01-04
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

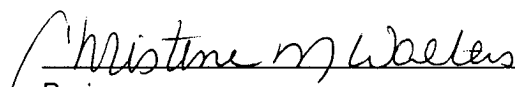
Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	ND	0.2
Diesel Range (C10 - C28)	ND	0.1
Total Petroleum Hydrocarbons	ND	0.2

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: **GCU #306 Spill Clean Up    Grab Sample.**

  
Analyst

  
Review

1696

[illegible]

CLIENT: <u>BP</u>	<b>BLAGG ENGINEERING, INC.</b> P.O. BOX 87, BLOOMFIELD, NM 87413 (505) 632-1199	LOCATION NO: _____ C.O.C. NO: <u>11665</u>
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## FIELD REPORT: LANDFARM/COMPOST PILE CLOSURE VERIFICATION

LOCATION: NAME: <u>GCN</u>	WELL #: <u>306</u>	PIPS: <u>PROD. TANK SPU</u>	DATE STARTED: <u>2/25/04</u>
QUAD/UNIT: <u>I</u> SEC: <u>19</u> TWP: <u>29N</u> RNG: <u>12W</u> PM: <u>NM</u> CNTY: <u>SJ</u> ST: <u>NM</u>			DATE FINISHED: _____
QTR/FOOTAGE: _____			ENVIRONMENTAL SPECIALIST: <u>NV</u>
NEISE CONTRACTOR: <u>L &amp; L (BRIAN)</u>			

### SOIL REMEDIATION:

REMEDICATION SYSTEM: LANDFARM

LAND USE: RANGE

APPROX. CUBIC YARDAGE: \_\_\_\_\_

LIFT DEPTH (ft): 3

### FIELD NOTES & REMARKS:

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

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

SOIL TYPE: SAND / SILTY SAND / SILT / SILTY CLAY / CLAY / GRAVEL / OTHER \_\_\_\_\_

SOIL COLOR: OK. YEL. ORANGE TO OLIVE GRAY → IMPORTED

COHESION (ALL OTHERS): NON COHESIVE / SLIGHTLY COHESIVE / COHESIVE / HIGHLY COHESIVE

CONSISTENCY (NON COHESIVE SOILS): LOOSE / FIRM / DENSE / VERY DENSE

~~PLASTICITY (CLAYS):~~ NON PLASTIC / SLIGHTLY PLASTIC / COHESIVE / MEDIUM PLASTIC / HIGHLY PLASTIC

DENSITY (COHESIVE CLAYS & SILTS): SOFT / FIRM / STIFF / VERY STIFF / HARD CLOSED

MOISTURE: DRY / SLIGHTLY MOIST / MOIST / WET / SATURATED / SUPER SATURATED

DISCOLORATION/STAINING OBSERVED: YES / NO EXPLANATION - OLIVE GRAY @ SAMP. PT. (5) - SILT

HC ODOR DETECTED: YES / NO EXPLANATION - SAMP. PT. (5) & OVM SAMPLE

SAMPLING DEPTHS (LANDFARMS): 20-30 (INCHES)

SAMPLE TYPE: GRAB / COMPOSITE - # OF PTS. 5

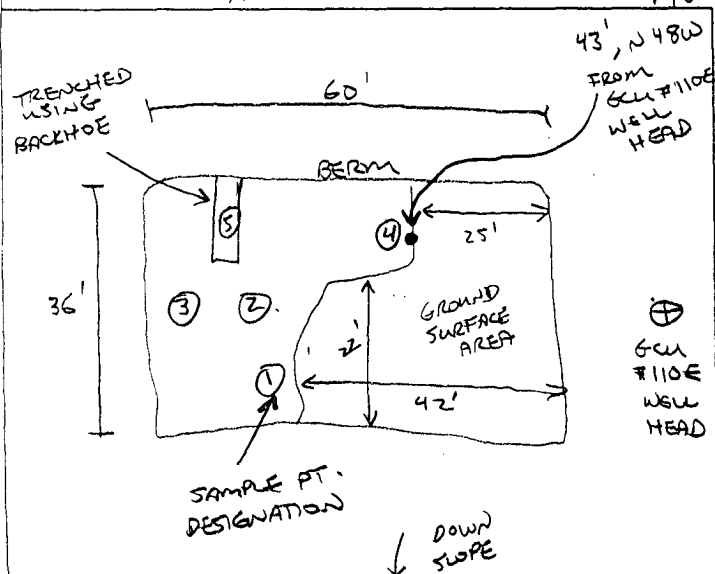
ADDITIONAL COMMENTS: \_\_\_\_\_

### FIELD 418.1 CALCULATIONS

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

### SKETCH/SAMPLE LOCATIONS

4N



OVM CALIB. READ. 50.1 ppm  
 OVM CALIB. GAS = 100 ppm; RF = 0.52  
 TIME: 3:40 am/PM DATE: 2/23/04

### OVM RESULTS

### LAB SAMPLES

SAMPLE ID	FIELD HEADSPACE PID (ppm)	SAMPLE ID	ANALYSIS	TIME	RESULTS (ppm)
LF-2	389	LF-2	TPH (80158)	10/10	68.8
		"	BENZENE (80218)	"	0.0398
		"	TOT. BTX (80218)	"	2.170

### SCALE



0 FT

TRAVEL NOTES: CALLOUT: 2/25/04 - MORN. ONSITE: 2/25/04 - MORN.

# ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

## EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

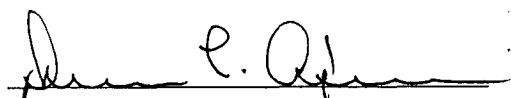
Client:	Blagg / BP	Project #:	94034-010
Sample ID:	LF - 2	Date Reported:	02-26-04
Laboratory Number:	27925	Date Sampled:	02-25-04
Chain of Custody No:	11665	Date Received:	02-25-04
Sample Matrix:	Soil	Date Extracted:	02-26-04
Preservative:	Cool	Date Analyzed:	02-26-04
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

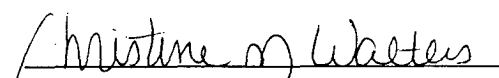
Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	32.9	0.2
Diesel Range (C10 - C28)	35.9	0.1
Total Petroleum Hydrocarbons	68.8	0.2

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: GCU #306 Landfarm 5 Pt. Composite Sample.

  
Analyst

  
Review

# ENVIROTECH LABS

**PRACTICAL SOLUTIONS FOR A BETTER TOMORROW**

## EPA METHOD 8021 AROMATIC VOLATILE ORGANICS

Client:	Blagg / BP	Project #:	94034-010
Sample ID:	LF - 2	Date Reported:	02-26-04
Laboratory Number:	27925	Date Sampled:	02-25-04
Chain of Custody:	11665	Date Received:	02-25-04
Sample Matrix:	Soil	Date Analyzed:	02-26-04
Preservative:	Cool	Date Extracted:	02-26-04
Condition:	Cool & Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	39.8	1.8
Toluene	345	1.7
Ethylbenzene	243	1.5
p,m-Xylene	980	2.2
o-Xylene	564	1.0
Total BTEX	2,170	

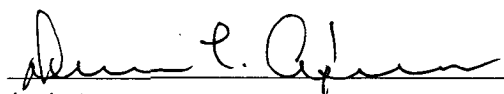
ND - Parameter not detected at the stated detection limit.

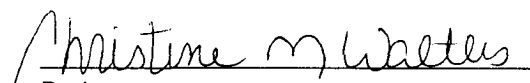
Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	96 %
	1,4-difluorobenzene	96 %
	Bromochlorobenzene	96 %

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: GCU #306 Landfarm 5 Pt. Composite Sample.

  
Analyst

  
Review

# CHAIN OF CUSTODY RECORD

11665

Client / Project Name		Project Location		ANALYSIS / PARAMETERS									
BLADE / BP		SCU # 306											
Sampler: NJV		Client No. 94634-010											
Sample No./ Identification	Sample Date	Sample Time	Lab Number	Sample Matrix	No. of Containers	TPH (30158)	BTEX (30218)				Remarks		
LF-2	2/25/04	1210	27925	SOIL	1	✓	✓				PRESERVED COOL		
											<del>SOIL</del> <del>SAMPLE</del> <del>NV</del>		
											5 PPT. COMPOSITE SAMPLE		
											LANDFILL		
Relinquished by: (Signature)		Date 2/25/04		Time 1055		Received by: (Signature)		Date 2/25/04		Time 10:55			
<i>John Vef</i>						<i>Walter M. Walters</i>							
Relinquished by: (Signature)						Received by: (Signature)							
Relinquished by: (Signature)						Received by: (Signature)							
<b>ENVIROTECH INC.</b> 5796 U.S. Highway 64 Farmington, New Mexico 87401 (505) 632-0615													
Sample Receipt													
				Y		N		N/A					
				Received Intact		✓							
				Cool - Ice/Blue Ice		✓							