

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

Form C-144
June 1, 2004

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

For drilling and production facilities, submit to
appropriate NMOCD District Office.
For downstream facilities, submit to Santa Fe
office

Pit or Below-Grade Tank Registration or Closure

Is pit or below-grade tank covered by a "general plan"? Yes ☒ No ☐

Type of action: Registration of a pit or below-grade tank ☐ Closure of a pit or below-grade tank ☒

Operator: BP America Production Company Telephone: (505)326-9200 e-mail address: _____
Address: 200 Energy Ct. Farmington, NM 87401
Facility or well name: CORNELL D #1E API #: 30045 24086 U/L or Qtr/Qtr A Sec 12 T 29 N R 12 W
County: San Juan Latitude _____ Longitude _____ NAD: 1927 ☐ 1983 ☒
Surface Owner: Federal ☒ State ☐ Private ☐ Indian ☐

Pit	Below-grade tank
Type: Drilling <input type="checkbox"/> Production <input checked="" type="checkbox"/> Disposal <input type="checkbox"/> Workover <input type="checkbox"/> Emergency <input type="checkbox"/> Lined <input type="checkbox"/> Unlined <input type="checkbox"/> Liner type: Synthetic <input type="checkbox"/> Thickness _____ mil Clay <input type="checkbox"/> Pit Volume _____ bbl	Volume: _____ bbl Type of fluid: <u>MA</u> Construction material: _____ Double-walled, with leak detection? Yes <input type="checkbox"/> If no, explain why not. _____
Depth to ground water (vertical distance from bottom of pit to seasonal high water elevation of ground water.)	Less than 50 feet (20 points) 50 feet or more, but less than 100 feet (10 points) 100 feet or more (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 surface water: (horizontal distance to all wetlands, playas, irrigation canals, ditches, and perennial and ephemeral watercourses.)	Less than 200 feet (20 points) 200 feet or more, but less than 1000 feet (10 points) 1000 feet or more (0 points)
Ranking Score (Total Points)	

RCVD DEC 18 '06
OIL CONS. DIV.

DIST. 3

If this is a pit closure: (1) Attach a diagram of the facility showing the pit's relationship to other equipment and tanks. (2) Indicate disposal location: (check the onsite box if you are burying in place) onsite ☒ offsite ☐ If offsite, name of facility _____. (3) Attach a general description of remedial action taken including remediation start date and end date. (4) Groundwater encountered: No ☒ Yes ☐ If yes, show depth below ground surface _____ ft. and attach sample results. (5) Attach soil sample results and a diagram of sample locations and excavations.

Additional Comments:

See Attached Documentation

I hereby certify that the information above is true and complete to the best of my knowledge and belief. I further certify that the above-described pit or below-grade tank has been/will be constructed or closed according to NMOCD guidelines ☒, a general permit ☐, or an (attached) alternative OCD-approved plan ☐.

Date: 11/01/2005

Printed Name/Title Jeffrey C. Blagg, Agent

Signature Jeffrey C. Blagg

Your certification and NMOCD approval of this application/closure does not relieve the operator of liability should the contents of the pit or tank contaminate ground water or otherwise endanger public health or the environment. Nor does it relieve the operator of its responsibility for compliance with any other federal, state, or local laws and/or regulations.

Approval:

DEPUTY OIL & GAS INSPECTOR, DIST. 3

Printed Name/Title _____

Signature Robert J. Hall

Date: DEC 18 2006

CLIENT:

BP

BLAGG ENGINEERING, INC.
P.O. BOX 87, BLOOMFIELD, NM 87413
(505) 632-1199

LOCATION NO: 81127

COCR NO: 10559

FIELD REPORT: PIT CLOSURE VERIFICATION

PAGE No: 1 of 1

LOCATION: NAME: CORNELL D WELL #: 1E TYPE: PROD.

DATE STARTED: 1-20-03

DATE FINISHED: 1-20-03

QUAD/UNIT: A SEC: 12 TWP: 29N RNG: 12W PM: NM CNTY: SJ ST: NM

ENVIRONMENTAL SPECIALIST: JCB

QTR/FOOTAGE: 830'N/790'E NE/NE CONTRACTOR: FLINT (BEN)

EXCAVATION APPROX. 10 FT. x 10 FT. x 2 FT. DEEP. CUBIC YARDAGE: 0

DISPOSAL FACILITY: NA REMEDIATION METHOD: CLOSE AS IS

LAND USE: RANGE-BLM LEASE: NM 073792 FORMATION: DK

FIELD NOTES & REMARKS: PIT LOCATED APPROXIMATELY 132 FT. S 12°W FROM WELLHEAD.

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

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

SOIL AND EXCAVATION DESCRIPTION:

OVM CALIB. READ. = 129.5 ppm

OVM CALIB. GAS = 250 ppm RF = 0.52

TIME: 0940 am/pm DATE: 1-20-03

SOIL TYPE: SAND / SILTY SAND (SILT) / SILTY CLAY / CLAY / GRAVEL / OTHER

SOIL COLOR: YELLOW TAN

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 - Very Minor Gray Streaks

HC ODOR DETECTED: YES NO EXPLANATION - V-MINOR

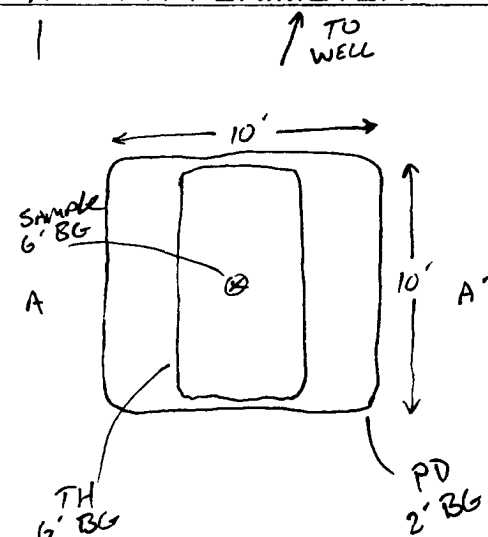
SAMPLE TYPE: GRAB COMPOSITE - # OF PTS.

ADDITIONAL COMMENTS: USE BACKHOE TO DIG TEST TRENCH & SAMPLE.

CLOSED

FIELD 418.1 CALCULATIONS

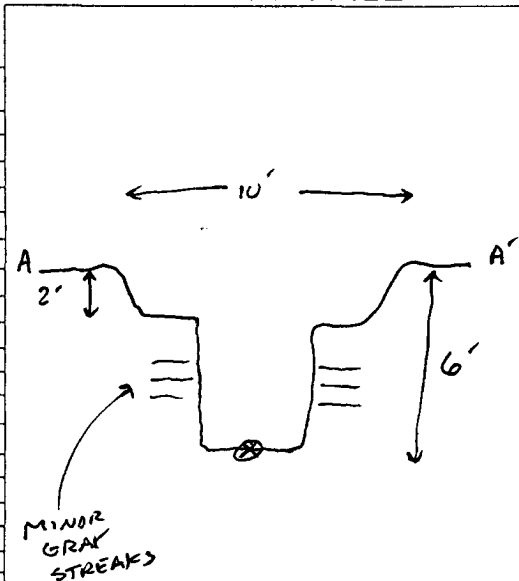
SCALE

0 FT
N**PIT PERIMETER****PIT PROFILE****OVM READING**

SAMPLE ID	FIELD HEADSPACE (ppm)
1 @ 6	229
2 @	
3 @	
4 @	
5 @	

LAB SAMPLES

SAMPLE ID	ANALYSIS	TIME
1 @ 6	TPH / BTEX	0935
BOTH PASSED		



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

TRAVEL NOTES:

CALLOUT: 1-20-03 0730

ONSITE: 1-20-03 0845

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

Client: Blagg / BP
Sample ID: Production 1 @ 6'
Laboratory Number: 24608
Chain of Custody No: 10559
Sample Matrix: Soil
Preservative: Cool
Condition: Cool and Intact


Project #: 94034-010
Date Reported: 01-21-03
Date Sampled: 01-20-03
Date Received: 01-20-03
Date Extracted: 01-21-03
Date Analyzed: 01-21-03
Analysis Requested: 8015 TPH

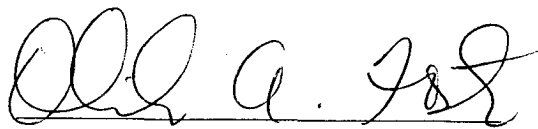
Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	389	0.2
Diesel Range (C10 - C28)	138	0.1
Total Petroleum Hydrocarbons	527	0.2

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: **Cornell D 1E.**


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8021 AROMATIC VOLATILE ORGANICS

Client:	Blagg / BP	Project #:	94034-010
Sample ID:	Production 1 @ 6'	Date Reported:	01-21-03
Laboratory Number:	24608	Date Sampled:	01-20-03
Chain of Custody:	10559	Date Received:	01-20-03
Sample Matrix:	Soil	Date Analyzed:	01-21-03
Preservative:	Cool	Date Extracted:	01-21-03
Condition:	Cool & Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	48.3	1.8
Toluene	522	1.7
Ethylbenzene	216	1.5
p,m-Xylene	1,220	2.2
o-Xylene	497	1.0
Total BTEX	2,500	

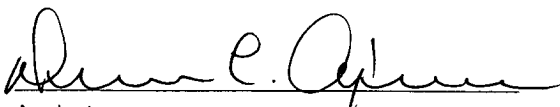
ND - Parameter not detected at the stated detection limit.

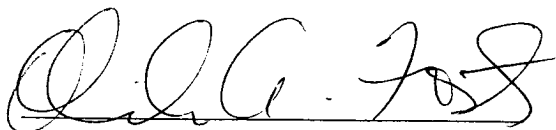
Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	99 %
	1,4-difluorobenzene	99 %
	Bromochlorobenzene	99 %

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: Cornell D 1E.


Analyst


Review

3004524086

CLIENT: BP

BLAGG ENGINEERING, INC.
P.O. BOX 87, BLOOMFIELD, NM 87413
(505) 632-1199

LOCATION NO: _____

C.O.C. NO: 10567

FIELD REPORT: LANDFARM/COMPOST PILE CLOSURE VERIFICATION

LOCATION: NAME: CORNELL D WELL #: 1E PITS: DEHY
QUAD/UNIT: A SEC: 12 TWP: 29N RNG: 12W PM: NM CNTY: SJ ST: NM
QTR/FOOTAGE: _____ NEHE CONTRACTOR: FLINT (BEN) 860-1393

DATE STARTED: 1-20-03DATE FINISHED: 1-22-03ENVIRONMENTAL SPECIALIST: JCB

SOIL REMEDIATION:

REMEDICATION SYSTEM: LANDFARMAPPROX. CUBIC YARDAGE: 75 ±LAND USE: RANGE - BLMLIFT DEPTH (ft): 1.5'

FIELD NOTES & REMARKS:

NMCD RANKING SCORE: 0 NMCD TPH CLOSURE STD: 5000 PPMDEPTH TO GROUNDWATER: >100 NEAREST WATER SOURCE: >1000 NEAREST SURFACE WATER: >1000SOIL TYPE: SAND / SILTY SAND / SILT / SILTY CLAY / CLAY / GRAVEL / OTHER _____SOIL COLOR: GRAYCOHESION (ALL OTHERS): NON COHESIVE / SLIGHTLY COHESIVE / COHESIVE / HIGHLY COHESIVECONSISTENCY (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

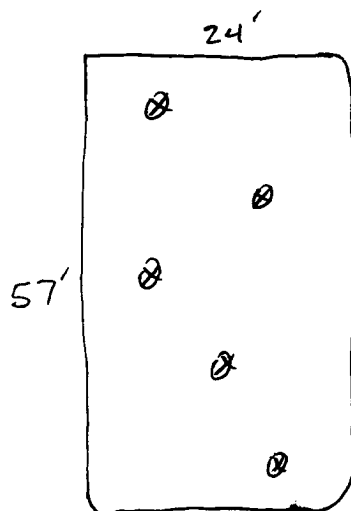
MOISTURE: DRY / SLIGHTLY MOIST / MOIST / WET / SATURATED / SUPER SATURATEDDISCOLORATION/STAINING OBSERVED: YES / NO EXPLANATION - GRAY CLOSEDHC ODOR DETECTED: YES / NO EXPLANATION - MODERATE TO STRONGSAMPLING DEPTHS (LANDFARMS): 12 (INCHES)SAMPLE TYPE: GRAB / COMPOSITE # OF PTS. 5

ADDITIONAL COMMENTS: _____

FIELD 418.1 CALCULATIONS

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

SKETCH/SAMPLE LOCATIONS



DVM CALIB. READ. 131.2 ppm
DVM CALIB. GAS = 100 ppm; RF = 0.52
TIME: 0925 am/pm DATE: 1-22-03

OVM RESULTS

LAB SAMPLES

SAMPLE ID	FIELD HEADSPACE PID (ppm)	SAMPLE ID	ANALYSIS	TIME	RESULTS (PPM)
<u>5-PC</u>	<u>230</u>	<u>5-PC</u>	<u>TPH</u>	<u>0920</u>	<u>2190</u>
		"	<u>BENZENE</u>	"	<u>0.0228</u>
		"	<u>TOT. BTEX</u>	"	<u>2.560</u>

SCALE



0 FT

TRAVEL NOTES: CALLOUT: 1-21-03 1730ONSITE: 1-22-03 0900

revised: 07/16/01

bei1006A.skd

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

Client: Blagg / BP
Sample ID: 5 Pt. Composite
Laboratory Number: 24620
Chain of Custody No: 10567
Sample Matrix: Soil
Preservative: Cool
Condition: Cool and Intact

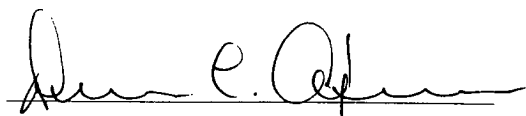
Project #: 94034-010
Date Reported: 01-23-03
Date Sampled: 01-22-03
Date Received: 01-22-03
Date Extracted: 01-22-03
Date Analyzed: 01-23-03
Analysis Requested: 8015 TPH

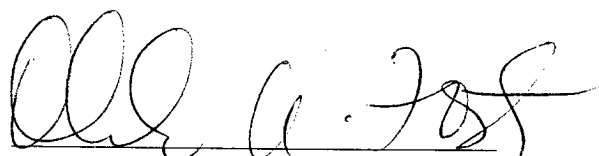
Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	1,790	0.2
Diesel Range (C10 - C28)	402	0.1
Total Petroleum Hydrocarbons	2,190	0.2

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: **Cornell D # 1E - Landfarm.**


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8021 AROMATIC VOLATILE ORGANICS

Client: Blagg / BP
Sample ID: 5 Pt. Composite
Laboratory Number: 24620
Chain of Custody: 10567
Sample Matrix: Soil
Preservative: Cool
Condition: Cool & Intact

Project #: 94034-010
Date Reported: 01-23-03
Date Sampled: 01-22-03
Date Received: 01-22-03
Date Analyzed: 01-23-03
Date Extracted: 01-22-03
Analysis Requested: BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	22.8	1.8
Toluene	616	1.7
Ethylbenzene	195	1.5
p,m-Xylene	1,270	2.2
o-Xylene	456	1.0
Total BTEX	2,560	

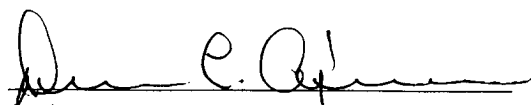
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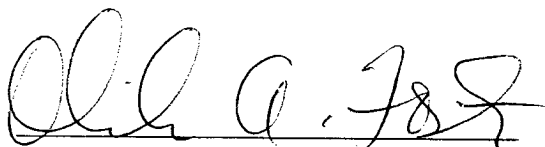
Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	98 %
	1,4-difluorobenzene	98 %
	Bromochlorobenzene	98 %

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: Cornell D #1E - Landfarm.


Analyst


Review

CLIENT: <u>BP</u>	BLAGG ENGINEERING, INC. P.O. BOX 87, BLOOMFIELD, NM 87413 (505) 632-1199	LOCATION NO: <u>81127</u> C.O.C. NO: <u>13397</u>
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FIELD REPORT: LANDFARM/COMPOST PILE CLOSURE VERIFICATION

LOCATION: NAME: <u>CORNER</u> D WELL #: <u>1E</u> PITS: <u>DEHY.</u> QUAD/UNIT: <u>A</u> SEC: <u>12</u> TWP: <u>29N</u> RNG: <u>12W</u> PM: <u>NM</u> CNTY: <u>ST</u> ST: <u>NM</u> QTR/FOOTAGE: _____ NE/NE CONTRACTOR: _____	DATE STARTED: <u>3/22/05</u> DATE FINISHED: _____ ENVIRONMENTAL SPECIALIST: <u>NV</u>
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SOIL REMEDIATION: REMEDIATION SYSTEM: <u>LANDFARM</u> LAND USE: <u>RANGE - BLM</u>	APPROX. CUBIC YARDAGE: _____ LIFT DEPTH (ft): <u>2</u>
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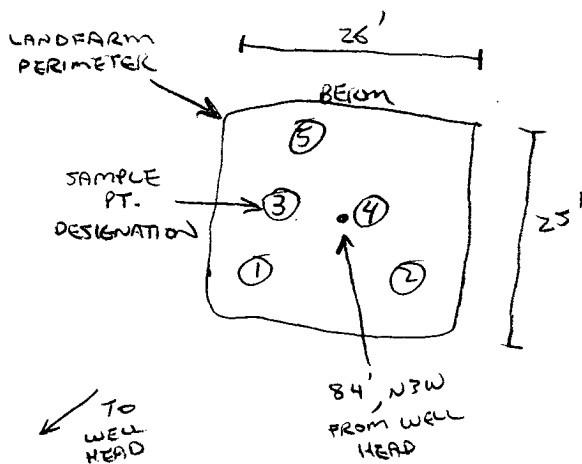
FIELD NOTES & REMARKS:	NMOC Ranking Score: <u>0</u>	NMOC TPH Closure Std: <u>5000</u> ppm
DEPTH TO GROUNDWATER: <u>>100'</u>	NEAREST WATER SOURCE: <u>>1000'</u>	NEAREST SURFACE WATER: <u>>1000'</u>

SOIL TYPE: SAND / SILTY SAND / SILT / SILTY CLAY / CLAY / GRAVEL / OTHER _____
 SOIL COLOR: DK. YELL. ORANGE TO LT. GRAY
 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: VARYING GRAY IN SAMP. PTS. ③, ④, & ⑤
 HC ODOR DETECTED: YES / NO EXPLANATION: SLIGHTLY IN SAMP. PTS. ③, ④, & ⑤
 SAMPLING DEPTHS (LANDFARMS): 12-18 (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



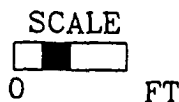
OVM CALIB. READ. 51.5 ppm
 OVM CALIB. GAS = 100 ppm; RF = 0.52
 TIME: 9:15 am/pm DATE: 3/22/05

OVM RESULTS

LAB SAMPLES

SAMPLE ID	FIELD HEADSPACE PID (ppm)	SAMPLE ID	ANALYSIS	TIME	RESULTS
LF-1	0.0	LF-1	TPH (80158)	1035	40.0

P.C. - 1/20/03



TRAVEL NOTES: CALLOUT: <u>N/A</u>	ONSITE: <u>3/22/05</u>
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ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

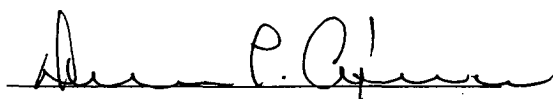
Client:	Blagg / BP	Project #:	94034-010
Sample ID:	LF - 1	Date Reported:	03-23-05
Laboratory Number:	32420	Date Sampled:	03-22-05
Chain of Custody No:	13397	Date Received:	03-22-05
Sample Matrix:	Soil	Date Extracted:	03-22-05
Preservative:	Cool	Date Analyzed:	03-23-05
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

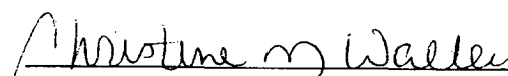
Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	ND	0.2
Diesel Range (C10 - C28)	40.0	0.1
Total Petroleum Hydrocarbons	40.0	0.2

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: **Cornell D #1E - Landfarm 5 Pt. Composite Sample.**


Analyst


Review