

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 PROD. CO. Telephone: (505)-326-9200 e-mail address: \_\_\_\_\_  
Address: 200 ENERGY COURT, FARMINGTON, NM 87410  
Facility or well name: HUGHES A #4E API #: 30-045- 25193 U/L or Qtr/Qtr J Sec 34 T 29N R 8W  
County: SAN JUAN Latitude 36.68017 Longitude 107.6603 NAD: 1927 ☐ 1983 ☒ Surface Owner Federal ☒ State ☐ Private ☐ Indian ☐

**Pit**

Type: Drilling ☐ Production ☐ Disposal ☒ BLOW

Workover ☐ Emergency ☐

Lined ☐ Unlined ☒

Liner type: Synthetic ☐ Thickness \_\_\_\_\_ mil Clay ☐

Pit Volume \_\_\_\_\_ bbl

**Below-grade tank**

Volume: \_\_\_\_\_ bbl Type of fluid: \_\_\_\_\_

Construction material: N/A

Double-walled, with leak detection? Yes ☐ If not, 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)

**0**

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)

**0**

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)

**0**

1000 feet or more

( 0 points)

**Ranking Score (Total Points)**

**0**

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: PIT LOCATED APPROXIMATELY 123 FT. S39E FROM WELL HEAD.

PIT EXCAVATION: WIDTH N/A ft., LENGTH N/A ft., DEPTH N/A ft.

PIT REMEDIATION: CLOSE AS IS: ☒, LANDFARM: ☐, COMPOST: ☐, STOCKPILE: ☐, OTHER ☐ (explain)

Cubic yards: N/A

BEDROCK BOTTOM

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 alternative OCD-approved plan ☒.

Date: 11/10/05

Printed Name/Title Jeff Blagg - P.E. # 11607

Signature Jeff 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:

Printed Name/Title DEPUTY OIL & GAS INSPECTOR, DIST. 6

Signature [Signature]

Date: FEB 28 2006

30045 25193

36.68017 / 107.6603

CLIENT: BP
**BLAGG ENGINEERING, INC.**  
**P.O. BOX 87, BLOOMFIELD, NM 87413**  
**(505) 632-1199**
LOCATION NO: 81692COCR NO: 14491**FIELD REPORT: PIT CLOSURE VERIFICATION**PAGE No: 1 of 1 *DoA*LOCATION: NAME: HUGHES A WELL #: 4E TYPE: BlowDATE STARTED: 11/8/05QUAD/UNIT: J SEC: 34 TWP: 29N RNG: 8W PM: NM CNTY: ST. NM

DATE FINISHED:

QTR/FOOTAGE: 1750'S/1510'E NW/SE CONTRACTOR: P&S (memo)ENVIRONMENTAL SPECIALIST: NVEXCAVATION APPROX. NA FT. x NA FT. x NA FT. DEEP. CUBIC YARDAGE: NADISPOSAL FACILITY: ON-SITE REMEDIATION METHOD: CLOSE AS ISLAND USE: RANGE-BLM LEASE: SE078049 FORMATION: DKFIELD NOTES & REMARKS: PIT LOCATED APPROXIMATELY 123 FT. S39E FROM WELLHEAD.DEPTH TO GROUNDWATER: >100' NEAREST WATER SOURCE: >1,000' NEAREST SURFACE WATER: >1,000'NMOC D RANKING SCORE: 0 NMOC D TPH CLOSURE STD: 5,000 PPMSOIL AND EXCAVATION DESCRIPTION:ELEV. - 6,485'OVM CALIB. READ. = 53.0 ppmOVM CALIB. GAS = 100 ppm

RF = 0.52

TIME: 9:40 am/pm DATE: 11/8/05SOIL TYPE: SAND / SILTY SAND / SILT / SILTY CLAY / CLAY / GRAVEL / OTHER BEDROCK (SANDSTONE)SOIL COLOR: MOD. BROWN TO MED. GRAYBEDROCK - MOD. BROWN TO LT. 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 &amp; SILTS): SOFT / FIRM / STIFF / VERY STIFF / HARD

MOISTURE: DRY / SLIGHTLY MOIST / MOIST / WET / SATURATED / SUPER SATURATEDDISCOLORATION/STAINING OBSERVED: YES / NO EXPLANATION - ENTIRE TEST HOLE INTERVAL & BEDROCK SURFACEHC ODOR DETECTED: YES / NO EXPLANATION - TEST HOLE & OVM SAMPLESAMPLE TYPE: GRAB COMPOSITE - # OF PTS. -ADDITIONAL COMMENTS: COLLECTED SAMPLE FROM BEDROCK SURFACE. BEDROCK - VERY HARD  
SIGHTLY FRIABLE. INSTRUCTED OPERATOR TO ALUTE/GRATE IMPACTED  
SOIL & LEAVE IN PLACE.CLOSED

SCALE



0 FT

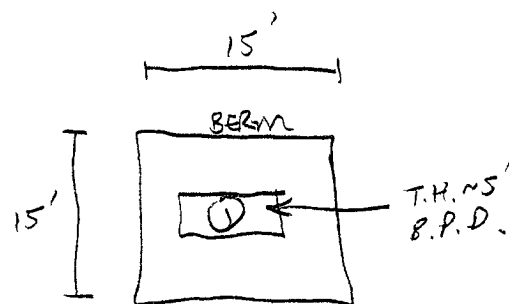
## FIELD 418.1 CALCULATIONS

SAMP. TIME	SAMP. ID	LAB NO.	WEIGHT (g)	mL FREON	DILUTION	READING	CALC. (ppm)

## PIT PERIMETER

AN

## PIT PROFILE



P.D. ~ 2' B.G.

↑ TO  
WALL  
HEADOVM  
READING

SAMPLE ID	FIELD HEADSPACE (ppm)
1 @ 7'	1,555
2 @	
3 @	
4 @	
5 @	

## LAB SAMPLES

SAMPLE ID	ANALYSIS	TIME
1 @ 7'	TAH (80158)	0927
"	BTEX (3018)	"
"	CHLORIDE	"

PASSED

NOT APPLICABLE

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

## TRAVEL NOTES:

CALLOUT: 11/7/05 - AFTER. ONSITE: 11/8/05 - MORN.

# ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

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

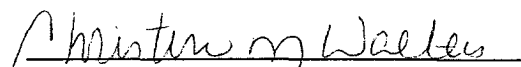
Client:	Blagg	Project #:	94034-010
Sample ID:	1 @ 7'	Date Reported:	11-10-05
Laboratory Number:	34950	Date Sampled:	11-08-05
Chain of Custody No:	14491	Date Received:	11-08-05
Sample Matrix:	Soil	Date Extracted:	11-10-05
Preservative:	Cool	Date Analyzed:	11-10-05
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

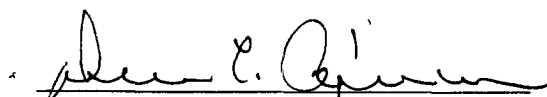
Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	834	0.2
Diesel Range (C10 - C28)	241	0.1
Total Petroleum Hydrocarbons	1,080	0.2

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: **Hughes A #4E Blow Pit Grab Sample.**

  
Analyst

  
Review

# ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

## EPA METHOD 8021 AROMATIC VOLATILE ORGANICS

Client:	Blagg	Project #:	94034-010
Sample ID:	1 @ 7'	Date Reported:	11-10-05
Laboratory Number:	34950	Date Sampled:	11-08-05
Chain of Custody:	14491	Date Received:	11-08-05
Sample Matrix:	Soil	Date Analyzed:	11-10-05
Preservative:	Cool	Date Extracted:	11-10-05
Condition:	Cool & Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	391	1.8
Toluene	2,750	1.7
Ethylbenzene	720	1.5
p,m-Xylene	7,650	2.2
o-Xylene	1,930	1.0
Total BTEX	13,400	

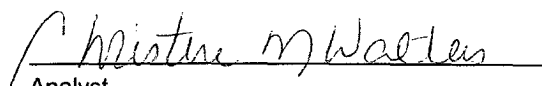
ND - Parameter not detected at the stated detection limit.

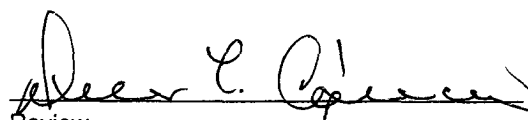
Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	98.0 %
	1,4-difluorobenzene	98.0 %
	Bromochlorobenzene	98.0 %

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: Hughes A #4E Blow Pit Grab Sample.

  
Analyst

  
Review

# ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

## Chloride

Client:	Blagg	Project #:	94034-010
Sample ID:	1 @ 7'	Date Reported:	11-11-05
Lab ID#:	34950	Date Sampled:	11-08-05
Sample Matrix:	Soil	Date Received:	11-08-05
Preservative:	Cool	Date Analyzed:	11-11-05
Condition:	Cool and Intact	Chain of Custody:	14491

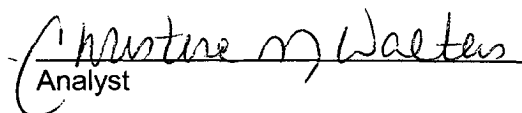
Parameter	Concentration (mg/Kg)
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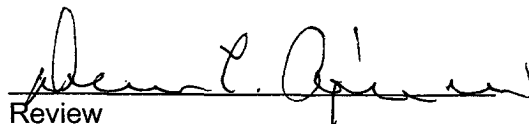
Total Chloride

34.0

Reference: Standard Methods For The Examination of Water And Waste Water", 18th ed., 1992.

Comments: Hughes A #4E Blow Pit Grab Sample.

  
Analyst

  
Review

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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 PROD. CO. Telephone: (505)-326-9200 e-mail address: \_\_\_\_\_  
Address: 200 ENERGY COURT, FARMINGTON, NM 87410  
Facility or well name: HUGHES A #4E API #: 30-045- 25193 U/L or Qtr/Qtr J Sec 34 T 29N R 8W  
County: SAN JUAN Latitude 36.68017 Longitude 107.6603 NAD: 1927 ☐ 1983 ☒ Surface Owner Federal ☒ State ☐ Private ☐ Indian ☐

**Pit**

Type: Drilling ☐ Production ☐ Disposal ☒ DEHYDRATOR  
Workover ☐ Emergency ☐  
Lined ☐ Unlined ☒  
Liner type: Synthetic ☐ Thickness \_\_\_\_\_ mil Clay ☐  
Pit Volume \_\_\_\_\_ bbl

**Below-grade tank**

Volume: \_\_\_\_\_ bbl Type of fluid: N/A  
Construction material: N/A  
Double-walled, with leak detection? Yes ☐ If not, 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)	<b>0</b>
	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)	<b>0</b>
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)	<b>0</b>
	1000 feet or more	( 0 points)	
Ranking Score (Total Points)			<b>0</b>

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: PIT LOCATED APPROXIMATELY 120 FT. N71E FROM WELL HEAD.

PIT EXCAVATION: WIDTH N/A ft., LENGTH N/A ft., DEPTH N/A ft.

PIT REMEDIATION: CLOSE AS IS: ☒, LANDFARM: ☐, COMPOST: ☐, STOCKPILE: ☐, OTHER ☐ (explain)

Cubic yards: N/A

BEDROCK BOTTOM

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 alternative OCD-approved plan ☒.

Date: 11/10/05

Printed Name/Title Jeff Blagg - P.E. # 11607

Signature Jeff Blagg


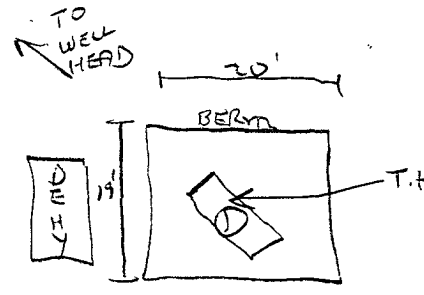
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Approval:

Printed Name/Title DEPUTY OIL & GAS INSPECTOR, DIST. 6

Signature [Signature]

Date: FEB 28 2006

CLIENT: <u>BP</u>	<b>BLAGG ENGINEERING, INC.</b> <b>P.O. BOX 87, BLOOMFIELD, NM 87413</b> <b>(505) 632-1199</b>	LOCATION NO: <u>81692</u> COCR NO: <u>14491</u>																																								
<b>FIELD REPORT: PIT CLOSURE VERIFICATION</b>		PAGE No: <u>1</u> of <u>1</u> <span style="float: right;">DJA</span>																																								
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EXCAVATION APPROX. <u>NA</u> FT. x <u>NA</u> FT. x <u>NA</u> FT. DEEP. CUBIC YARDAGE: <u>NA</u> DISPOSAL FACILITY: <u>ON-SITE</u> REMEDIATION METHOD: <u>CLOSE AS IS</u> LAND USE: <u>RANGE - Blm</u> LEASE: <u>SF078049</u> FORMATION: <u>OK</u>																																										
<b>FIELD NOTES &amp; REMARKS:</b> PIT LOCATED APPROXIMATELY <u>120</u> FT. <u>N7E</u> FROM WELLHEAD. DEPTH TO GROUNDWATER: <u>&gt;100'</u> NEAREST WATER SOURCE: <u>&gt;1,000'</u> NEAREST SURFACE WATER: <u>&gt;1,000'</u> NMOCD RANKING SCORE: <u>0</u> NMOCD TPH CLOSURE STD: <u>5,000</u> PPM																																										
<b>SOIL AND EXCAVATION DESCRIPTION:</b> ELEV. <u>-6,485'</u> SOIL TYPE: <u>(SAND) / SILTY SAND / SILT / SILTY CLAY / CLAY / GRAVEL / OTHER</u> <u>BEDROCK (SANDSTONE)</u> SOIL COLOR: <u>MOD. BROWN TO MED. GRAY</u> <u>BEDROCK - OLIVE GRAY</u> COHESION (ALL OTHERS): <u>(NON COHESIVE)</u> SLIGHTLY COHESIVE / COHESIVE / HIGHLY COHESIVE CONSISTENCY (NON COHESIVE SOILS): <u>(LOOSE)</u> 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 <span style="float: right; border: 1px solid black; border-radius: 50%; padding: 2px;">CLOSED</span> MOISTURE: DRY / <u>(SLIGHTLY MOIST)</u> MOIST / WET / SATURATED / SUPER SATURATED DISCOLORATION/STAINING OBSERVED: <u>(YES)</u> NO EXPLANATION - <u>ENTIRE TEST HOLE INTERVAL &amp; BEDROCK SURFACE.</u> HC ODOR DETECTED: <u>(YES)</u> NO EXPLANATION - <u>TEST HOLE &amp; GUM SAMPLE.</u> SAMPLE TYPE: <u>(GRAB)</u> COMPOSITE - # OF PTS. _____ ADDITIONAL COMMENTS: <u>COLLECTED SAMPLE FROM BEDROCK SURFACE. BEDROCK - VERY HARD, SLIGHTLY FRIABLE. INSTRUCTED OPERATOR TO DILUTE/AERATE IMPACTED SOIL &amp; LEAVE IN PLACE.</u> <div style="border: 1px solid black; padding: 2px; display: inline-block;">BEDROCK BOTTOM</div>																																										
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<div style="display: flex; justify-content: space-between;"> <div style="width: 30%;">  <p style="margin-top: 10px;">P.D. ~ 1' B.G.</p> </div> <div style="width: 35%;"> <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th colspan="2">OVM READING</th> </tr> <tr> <th>SAMPLE ID</th> <th>FIELD HEADSPACE (ppm)</th> </tr> </thead> <tbody> <tr><td>1 @ 5'</td><td>1,440</td></tr> <tr><td>2 @</td><td> </td></tr> <tr><td>3 @</td><td> </td></tr> <tr><td>4 @</td><td> </td></tr> <tr><td>5 @</td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> </tbody> </table> </div> <div style="width: 30%; text-align: center;"> <p>NOT APPLICABLE</p> </div> </div>			OVM READING		SAMPLE ID	FIELD HEADSPACE (ppm)	1 @ 5'	1,440	2 @		3 @		4 @		5 @																											
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# ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

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


Client:	Blagg	Project #:	94034-010
Sample ID:	1 @ 5'	Date Reported:	11-10-05
Laboratory Number:	34951	Date Sampled:	11-08-05
Chain of Custody No:	14491	Date Received:	11-08-05
Sample Matrix:	Soil	Date Extracted:	11-10-05
Preservative:	Cool	Date Analyzed:	11-10-05
Condition:	Cool and Intact	Analysis Requested:	8015 TPH


Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	955	0.2
Diesel Range (C10 - C28)	261	0.1
Total Petroleum Hydrocarbons	1,220	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: **Hughes A #4E Dehydrator Pit Grab Sample.**

  
Analyst

  
Review



# ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

## EPA METHOD 8021 AROMATIC VOLATILE ORGANICS

Client:	Blagg	Project #:	94034-010
Sample ID:	1 @ 5'	Date Reported:	11-10-05
Laboratory Number:	34951	Date Sampled:	11-08-05
Chain of Custody:	14491	Date Received:	11-08-05
Sample Matrix:	Soil	Date Analyzed:	11-10-05
Preservative:	Cool	Date Extracted:	11-10-05
Condition:	Cool & Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	1,490	1.8
Toluene	4,930	1.7
Ethylbenzene	1,040	1.5
p,m-Xylene	8,290	2.2
o-Xylene	2,110	1.0
<b>Total BTEX</b>	<b>17,900</b>	

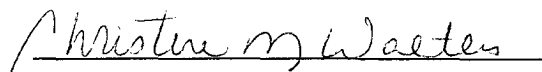
ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	98.0 %
	1,4-difluorobenzene	98.0 %
	Bromochlorobenzene	98.0 %

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: Hughes A #4E Dehydrator Pit Grab Sample.

  
Analyst

  
Review

# ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

## Chloride

Client:	Blagg	Project #:	94034-010
Sample ID:	1 @ 5'	Date Reported:	11-11-05
Lab ID#:	34951	Date Sampled:	11-08-05
Sample Matrix:	Soil	Date Received:	11-08-05
Preservative:	Cool	Date Analyzed:	11-11-05
Condition:	Cool and Intact	Chain of Custody:	14491

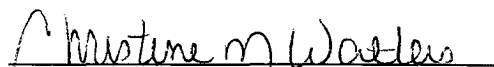
Parameter	Concentration (mg/Kg)
-----------	-----------------------

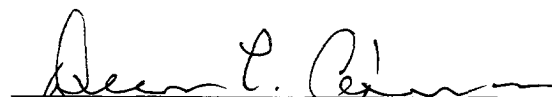
Total Chloride

50.0

Reference: Standard Methods For The Examination of Water And Waste Water", 18th ed., 1992.

Comments: Hughes A #4E Dehydrator Pit Grab Sample.

  
Analyst

  
Review

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 PROD. CO. Telephone: (505)-326-9200 e-mail address: \_\_\_\_\_  
Address: 200 ENERGY COURT, FARMINGTON, NM 87410  
Facility or well name: HUGHES A #4E API #: 30-045-25193 U/L or Qtr/Qtr J Sec 34 T 29N R 8W  
County: SAN JUAN Latitude 36.68017 Longitude 107.6603 NAD: 1927 ☐ 1983 ☒ Surface Owner Federal ☒ State ☐ Private ☐ Indian ☐

**Pit**

Type: Drilling ☐ Production ☐ Disposal ☒ PRODUCTION TANK  
Workover ☐ Emergency ☐  
Lined ☐ Unlined ☒  
Liner type: Synthetic ☐ Thickness \_\_\_\_\_ mil Clay ☐  
Pit Volume \_\_\_\_\_ bbl

**Below-grade tank**

Volume: \_\_\_\_\_ bbl Type of fluid: \_\_\_\_\_  
Construction material: N/A  
Double-walled, with leak detection? Yes ☐ If not, 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) <u>0</u>
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) <u>0</u>

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) <u>0</u>
1000 feet or more	( 0 points)

**Ranking Score (Total Points)**

0

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: PIT LOCATED APPROXIMATELY 105 FT. N5E FROM WELL HEAD.

PIT EXCAVATION: WIDTH N/A ft., LENGTH N/A ft., DEPTH N/A ft.

PIT REMEDIATION: CLOSE AS IS: ☒, LANDFARM: ☐, COMPOST: ☐, STOCKPILE: ☐, OTHER ☐ (explain)

Cubic yards: N/A

**BEDROCK BOTTOM**

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 alternative OCD-approved plan ☒.

Date: 11/10/05

Printed Name/Title Jeff Blagg - P.E. # 11607

Signature Jeff 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. 8  
Printed Name/Title

Signature [Signature]

Date: FEB 28 2006

CLIENT: <u>BP</u>	<b>BLAGG ENGINEERING, INC.</b> <b>P.O. BOX 87, BLOOMFIELD, NM 87413</b> <b>(505) 632-1199</b>	LOCATION NO: <u>81692</u> COCR NO: <u>14491</u>
-------------------	---	--

## FIELD REPORT: PIT CLOSURE VERIFICATION

LOCATION: NAME: HUGHES A WELL #: 4E TYPE: PROD. TANK

QUAD/UNIT: J SEC: 34 TWP: 29N RNG: 8W PM: NM CNTY: SJ ST: NM

QTR/FOOTAGE: 1750 S / 1510 E NW/SE CONTRACTOR: P+S (MEMO)

EXCAVATION APPROX. NA FT. x NA FT. x NA FT. DEEP. CUBIC YARDAGE: NA

DISPOSAL FACILITY: ON-SITE REMEDIATION METHOD: CLOSE AS IS

LAND USE: RANGE - BLM LEASE: SF 078049 FORMATION: DR

FIELD NOTES & REMARKS: PIT LOCATED APPROXIMATELY 105 FT. NSE FROM WELLHEAD.

DEPTH TO GROUNDWATER: >100' NEAREST WATER SOURCE: >1,000' NEAREST SURFACE WATER: >1,000'

NMOC D RANKING SCORE: 0 NMOC D TPH CLOSURE STD: 5,000 PPM

SOIL AND EXCAVATION DESCRIPTION: ELEV. - 6,485'

OVM CALIB. READ. = 53.0 ppm  
 OVM CALIB. GAS = 100 ppm  
 TIME: 9:40 am/pm DATE: 11/8/05 RF<sub>1</sub> = 0.52

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

SOIL COLOR: DL. TAU. BROWN TO MED. GRAY BEDROCK - 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 - ENTIRE TEST HOLE + BEDROCK SURFACE.

HC ODOR DETECTED: YES / NO EXPLANATION - TEST HOLE +

SAMPLE TYPE: GRAB / COMPOSITE - # OF PTS. 1

ADDITIONAL COMMENTS: COLLECTED SAMPLE FROM SOIL ABOVE BEDROCK. BEDROCK - VERY HARD  
SLIGHTLY FRIABLE TO COMPETENT. INSTRUCTED OPERATOR TO DILUTE/AERATE  
IMPACTED SOIL (2) LEAVE PLACE.

PAGE No: 1 of 1

DATE STARTED: 11/8/05

DATE FINISHED: 11/8/05

ENVIRONMENTAL SPECIALIST: NV

SCALE 0 FT

PIT PERIMETER AN

FIELD 418.1 CALCULATIONS

SAMP. TIME	SAMP. ID	LAB NO.	WEIGHT (g)	mL FREON	DILUTION	READING	CALC. (ppm)

OVM READING

SAMPLE ID	FIELD HEADSPACE (ppm)
1 @ 5'	849
2 @	
3 @	
4 @	
5 @	

LAB SAMPLES

SAMPLE ID	ANALYSIS	TIME
DES	TPH (82158)	0935
"	BTEX (82158)	"
"	CHLORIDE	"

PASSED

TRAVEL NOTES: CALLOUT: 11/7/05 - AFTER. ONSITE: 11/8/05 - MORN.

PIT PROFILE

NOT APPLICABLE

# ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

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


Client:	Blagg	Project #:	94034-010
Sample ID:	1 @ 5'	Date Reported:	11-10-05
Laboratory Number:	34952	Date Sampled:	11-08-05
Chain of Custody No:	14491	Date Received:	11-08-05
Sample Matrix:	Soil	Date Extracted:	11-10-05
Preservative:	Cool	Date Analyzed:	11-10-05
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

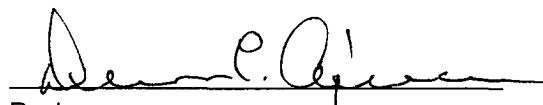
Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	262	0.2
Diesel Range (C10 - C28)	173	0.1
Total Petroleum Hydrocarbons	435	0.2

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: **Hughes A #4E Production Tank Pit Grab Sample.**

  
Analyst

  
Review

# ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

## EPA METHOD 8021 AROMATIC VOLATILE ORGANICS

Client:	Blagg	Project #:	94034-010
Sample ID:	1 @ 5'	Date Reported:	11-10-05
Laboratory Number:	34952	Date Sampled:	11-08-05
Chain of Custody:	14491	Date Received:	11-08-05
Sample Matrix:	Soil	Date Analyzed:	11-10-05
Preservative:	Cool	Date Extracted:	11-10-05
Condition:	Cool & Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	9.5	1.8
Toluene	121	1.7
Ethylbenzene	228	1.5
p,m-Xylene	1,220	2.2
o-Xylene	50.1	1.0
Total BTEX	1,630	

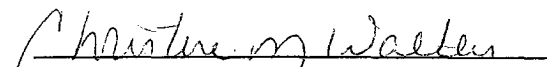
ND - Parameter not detected at the stated detection limit.

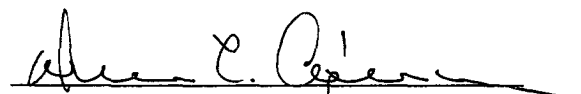
Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	98.0 %
	1,4-difluorobenzene	98.0 %
	Bromochlorobenzene	98.0 %

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: Hughes A #4E Production Tank Pit Grab Sample.

  
Analyst

  
Review

# ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

## Chloride

Client:	Blagg	Project #:	94034-010
Sample ID:	1 @ 5'	Date Reported:	11-11-05
Lab ID#:	34952	Date Sampled:	11-08-05
Sample Matrix:	Soil	Date Received:	11-08-05
Preservative:	Cool	Date Analyzed:	11-11-05
Condition:	Cool and Intact	Chain of Custody:	14491

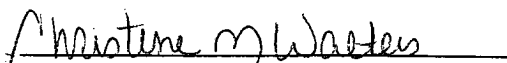
Parameter	Concentration (mg/Kg)
-----------	-----------------------


Total Chloride

94.0

Reference: Standard Methods For The Examination of Water And Waste Water", 18th ed., 1992.

Comments: Hughes A #4E Production Tank Pit Grab Sample.

  
Analyst

  
Review

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: <u>BP AMERICA PROD. CO.</u> Telephone: <u>(505)-326-9200</u> e-mail address: _____	
Address: <u>200 ENERGY COURT, FARMINGTON, NM 87410</u>	
Facility or well name: <u>HUGHES A #4E</u> API #: <u>30-045- 25193</u> U/L or Qtr/Qtr <u>J</u> Sec <u>34</u> T <u>29N</u> R <u>8W</u>	
County: <u>SAN JUAN</u> Latitude <u>36.68017</u> Longitude <u>107.6603</u> NAD: 1927 <input type="checkbox"/> 1983 <input checked="" type="checkbox"/> Surface Owner Federal <input checked="" type="checkbox"/> State <input type="checkbox"/> Private <input type="checkbox"/> Indian <input type="checkbox"/>	
<b>Pit</b> Type: Drilling <input type="checkbox"/> Production <input type="checkbox"/> Disposal <input checked="" type="checkbox"/> <u>SEPARATOR</u> Workover <input type="checkbox"/> Emergency <input type="checkbox"/> Lined <input type="checkbox"/> Unlined <input checked="" type="checkbox"/> Liner type: Synthetic <input type="checkbox"/> Thickness _____ mil Clay <input type="checkbox"/> Pit Volume _____ bbl	<b>Below-grade tank</b> Volume: _____ bbl Type of fluid: <u>N/A</u> Construction material: <u>N/A</u> Double-walled, with leak detection? Yes <input type="checkbox"/> If not, 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) <u>0</u> 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) <u>0</u>
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) <u>0</u> 1000 feet or more (0 points)
<b>Ranking Score (Total Points)</b> <u>0</u>	

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: <u>PIT LOCATED APPROXIMATELY 78 FT. N71E FROM WELL HEAD.</u>
<u>PIT EXCAVATION: WIDTH N/A ft., LENGTH N/A ft., DEPTH N/A ft.</u>
<u>PIT REMEDIATION: CLOSE AS IS: <input checked="" type="checkbox"/>, LANDFARM: <input type="checkbox"/>, COMPOST: <input type="checkbox"/>, STOCKPILE: <input type="checkbox"/>, OTHER <input type="checkbox"/> (explain)</u>
Cubic yards: <u>N/A</u>
<u>BEDROCK BOTTOM</u>

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 alternative OCD-approved plan ☒.

Date: 11/10/05

Printed Name/Title Jeff Blagg - P.E. # 11607

Signature Jeff 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:

Printed Name/Title DEPUTY OIL & GAS INSPECTOR, DIST. 8

Signature [Signature]

Date: FEB 28 2006



CLIENT: <u>BP</u>	<b>BLAGG ENGINEERING, INC.</b> <b>P.O. BOX 87, BLOOMFIELD, NM 87413</b> <b>(505) 632-1199</b>	LOCATION NO: <u>8169Z</u> COCR NO: <u>14491</u>
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<b>FIELD REPORT: PIT CLOSURE VERIFICATION</b>	PAGE No: <u>1</u> of <u>1</u>
---	-------------------------------

LOCATION: NAME: <u>HUGHES A</u> WELL #: <u>4E</u> TYPE: <u>SEP.</u> QUAD/UNIT: <u>J SEC: 34 TWP: 29N RNG: 8W PM: NM CNTY: SJ ST: NM</u> QTR/FOOTAGE: <u>1750'S/1510'E NW1SE</u> CONTRACTOR: <u>PTS (MEMO)</u>	DATE STARTED: <u>11/8/05</u> DATE FINISHED: _____ ENVIRONMENTAL SPECIALIST: <u>NV</u>
---	---

EXCAVATION APPROX. <u>NA</u> FT. x <u>NA</u> FT. x <u>NA</u> FT. DEEP. CUBIC YARDAGE: <u>NA</u> DISPOSAL FACILITY: <u>ON-SITE</u> REMEDIATION METHOD: <u>CLOSE AS IS</u> LAND USE: <u>RANGE - BLM</u> LEASE: <u>SF 078049</u> FORMATION: <u>DR</u>	
--	--

<b>FIELD NOTES &amp; REMARKS:</b>	PIT LOCATED APPROXIMATELY <u>78</u> FT. <u>N7E</u> FROM WELLHEAD. DEPTH TO GROUNDWATER: <u>&gt;100'</u> NEAREST WATER SOURCE: <u>&gt;1,000'</u> NEAREST SURFACE WATER: <u>&gt;1,000'</u> NMOCD RANKING SCORE: <u>0</u> NMOCD TPH CLOSURE STD: <u>5,000</u> PPM
-----------------------------------	--

<b>SOIL AND EXCAVATION DESCRIPTION:</b>	OVM CALIB. READ. = <u>53.0</u> ppm OVM CALIB. GAS = <u>100</u> ppm TIME: <u>9:40</u> (am/pm) DATE: <u>11/8/05</u> RF = 0.52
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SOIL TYPE: <u>SAND</u> / SILTY SAND / SILT / SILTY CLAY / CLAY / GRAVEL / OTHER <u>BEDROCK (SANDSTONE)</u> SOIL COLOR: <u>DK. YELL BROWN TO LT. MED. GRAY</u> <u>BEDROCK - LT. GRAY</u> COHESION (ALL OTHERS): <u>NON COHESIVE</u> / SLIGHTLY COHESIVE / COHESIVE / HIGHLY COHESIVE CONSISTENCY (NON COHESIVE SOILS): <u>LOOSE</u> / FIRM / DENSE / VERY DENSE PLASTICITY (CLAYS): <u>NON PLASTIC</u> / SLIGHTLY PLASTIC / COHESIVE / MEDIUM PLASTIC / HIGHLY PLASTIC DENSITY (COHESIVE CLAYS & SILTS): <u>SOFT</u> / FIRM / STIFF / VERY STIFF / HARD MOISTURE: DRY / SLIGHTLY MOIST / <u>MOIST</u> / WET / SATURATED / SUPER SATURATED DISCOLORATION/STAINING OBSERVED: <u>YES</u> / NO EXPLANATION - <u>TEST HOLE + BEDROCK SURFACE.</u> HC ODOR DETECTED: <u>YES</u> / NO EXPLANATION - <u>TEST HOLE + OVM SAMPLE.</u> SAMPLE TYPE: <u>GRAB</u> / COMPOSITE - # OF PTS. _____ ADDITIONAL COMMENTS: <u>COLLECTED SAMPLE FROM BEDROCK SURFACE. BEDROCK - VERY HARD,</u> <u><b>BEDROCK BOTTOM</b></u> <u>SLIGHTLY FRIABLE.</u>	<div style="border: 1px solid black; border-radius: 50%; width: 50px; height: 50px; margin: 0 auto; display: flex; align-items: center; justify-content: center;">             CLOSED           </div>
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SCALE  0 FT	<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th colspan="8">FIELD 418.1 CALCULATIONS</th> </tr> <tr> <th>SAMP. TIME</th> <th>SAMP. ID</th> <th>LAB NO.</th> <th>WEIGHT (g)</th> <th>mL FREON</th> <th>DILUTION</th> <th>READING</th> <th>CALC. (ppm)</th> </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> <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> <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> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> </table>	FIELD 418.1 CALCULATIONS								SAMP. TIME	SAMP. ID	LAB NO.	WEIGHT (g)	mL FREON	DILUTION	READING	CALC. (ppm)																																																																								
FIELD 418.1 CALCULATIONS																																																																																									
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<b>PIT PERIMETER</b> 	<b>OVM READING</b> <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th>SAMPLE ID</th> <th>FIELD HEADSPACE (ppm)</th> </tr> <tr><td>1 @ 5'</td><td>291</td></tr> <tr><td>2 @</td><td> </td></tr> <tr><td>3 @</td><td> </td></tr> <tr><td>4 @</td><td> </td></tr> <tr><td>5 @</td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> </table>	SAMPLE ID	FIELD HEADSPACE (ppm)	1 @ 5'	291	2 @		3 @		4 @		5 @																				<b>PIT PROFILE</b> <div style="text-align: center; font-size: 24px; margin-top: 50px;">NOT APPLICABLE</div>
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1 @ 5'	291																															
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	<b>LAB SAMPLES</b> <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th>SAMPLE ID</th> <th>ANALYSIS</th> <th>TIME</th> </tr> <tr> <td>DES'</td> <td>TPH (80158)</td> <td>09/8</td> </tr> <tr> <td>"</td> <td>BTEX (80218)</td> <td>"</td> </tr> <tr> <td>"</td> <td>CHLORIDE</td> <td>"</td> </tr> <tr> <td> </td><td> </td><td> </td></tr> <tr> <td> </td><td> </td><td> </td></tr> <tr> <td> </td><td> </td><td> </td></tr> <tr> <td> </td><td> </td><td> </td></tr> </table>	SAMPLE ID	ANALYSIS	TIME	DES'	TPH (80158)	09/8	"	BTEX (80218)	"	"	CHLORIDE	"													
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P.D. = PIT DEPRESSION; B.G. = BELOW GRADE; B = BELOW T.H. = TEST HOLE; ~ = APPROX.; T.B. = TANK BOTTOM	TRAVEL NOTES: CALLOUT: <u>11/2/05 - AFTER.</u> ONSITE: <u>11/8/05 - MORN.</u>
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# ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

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

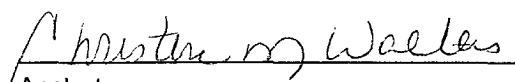
Client:	Blagg	Project #:	94034-010
Sample ID:	1 @ 5'	Date Reported:	11-10-05
Laboratory Number:	34953	Date Sampled:	11-08-05
Chain of Custody No:	14491	Date Received:	11-08-05
Sample Matrix:	Soil	Date Extracted:	11-10-05
Preservative:	Cool	Date Analyzed:	11-10-05
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

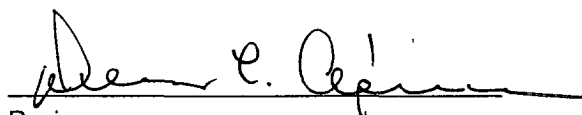
Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	103	0.2
Diesel Range (C10 - C28)	80.6	0.1
Total Petroleum Hydrocarbons	184	0.2

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: **Hughes A #4E Separator Pit Grab Sample.**

  
Analyst

  
Review

# ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

## EPA METHOD 8021 AROMATIC VOLATILE ORGANICS

Client:	Blagg	Project #:	94034-010
Sample ID:	1 @ 5'	Date Reported:	11-10-05
Laboratory Number:	34953	Date Sampled:	11-08-05
Chain of Custody:	14491	Date Received:	11-08-05
Sample Matrix:	Soil	Date Analyzed:	11-10-05
Preservative:	Cool	Date Extracted:	11-10-05
Condition:	Cool & Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	51.0	1.8
Toluene	229	1.7
Ethylbenzene	1,670	1.5
p,m-Xylene	1,540	2.2
o-Xylene	546	1.0
Total BTEX	4,040	

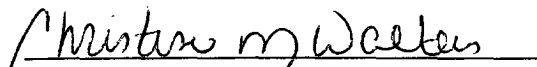
ND - Parameter not detected at the stated detection limit.

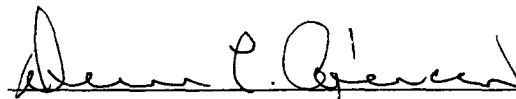
Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	97.0 %
	1,4-difluorobenzene	97.0 %
	Bromochlorobenzene	97.0 %

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: Hughes A #4E Separator Pit Grab Sample.

  
Analyst

  
Review

# ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

## Chloride

Client:	Blagg	Project #:	94034-010
Sample ID:	1 @ 5'	Date Reported:	11-11-05
Lab ID#:	34953	Date Sampled:	11-08-05
Sample Matrix:	Soil	Date Received:	11-08-05
Preservative:	Cool	Date Analyzed:	11-11-05
Condition:	Cool and Intact	Chain of Custody:	14491

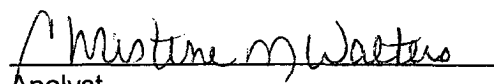
Parameter	Concentration (mg/Kg)
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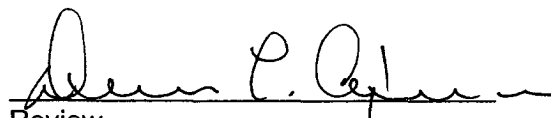
Total Chloride

92.0

Reference: Standard Methods For The Examination of Water And Waste Water", 18th ed., 1992.

Comments: Hughes A #4E Separator Pit Grab Sample.

  
Analyst

  
Review