

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 Production Company</u> Telephone: <u>(505)326-9200</u> e-mail address: _____		
Address: <u>200 Energy Ct. Farmington, NM 87401</u>		
Facility or well name: <u>Chavez G.C.A.#1A</u> API #: <u>3004522302</u> U/L or Qtr/Qtr <u>P</u> Sec <u>3</u> T <u>29N</u> R <u>9W</u>		
County: <u>San Juan</u> Latitude _____ Longitude _____ NAD: 1927 <input type="checkbox"/> 1983 <input type="checkbox"/>		
Surface Owner: Federal <input checked="" type="checkbox"/> State <input type="checkbox"/> Private <input type="checkbox"/> Indian <input type="checkbox"/>		
<u>Pit</u> 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 checked="" type="checkbox"/> Liner type: Synthetic <input type="checkbox"/> Thickness _____ mil Clay <input type="checkbox"/> Pit Volume _____ bbl	<u>Below-grade tank</u> Volume: _____ bbl Type of fluid: _____ Construction material: _____ 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)
Ranking Score (Total Points)		<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:
See Attached Documentation
RCUD JUN13'07 OIL CONS. DIV. DIST. 3

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,

Printed Name/Title: District #3

Signature: [Signature]

Date: AUG 10 2007

CLIENT: <u>AMOCO</u>	BLAGG ENGINEERING, INC. P.O. BOX 87, BLOOMFIELD, NM 87413 (505) 632-1199	LOCATION NO <u>B0824</u> COC NO _____
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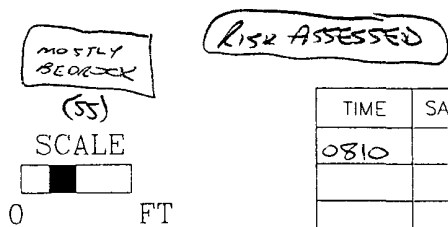
FIELD REPORT: CLOSURE VERIFICATION	PAGE NO <u>1</u> of <u>1</u>
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LOCATION: NAME <u>CHAVEZ GC</u> A WELL # <u>1A</u> PIT ABAND. SEP.	DATE STARTED <u>12/19/00</u>
QUAD/UNIT <u>P</u> SEC <u>3</u> TWP <u>29N</u> RNG <u>9W</u> PM NM CNTY <u>SJ</u> ST <u>NM</u>	DATE FINISHED _____
QTR/FOOTAGE <u>800'S/795'</u> SESE CONTRACTOR: <u>FLINT</u>	ENVIRONMENTAL SPECIALIST <u>NU</u>

EXCAVATION APPROX <u>15</u> FT x <u>15</u> FT x <u>6</u> FT DEEP CUBIC YARDAGE <u>35</u>
DISPOSAL FACILITY: <u>ON-SITE</u> REMEDIATION METHOD <u>LANDFARMED</u>
LAND USE: <u>RANGE</u> LEASE # <u>140800911</u> FED FORMATION <u>MU</u>

FIELD NOTES & REMARKS: PIT LOCATED APPROXIMATELY <u>132</u> FT. <u>567E</u> FROM WELL HEAD
DEPTH TO GROUNDWATER: <u>>100'</u> NEAREST WATER SOURCE <u>>1000'</u> NEAREST SURFACE WATER <u>>1000'</u>
NMDCD RANKING SCORE: <u>0</u> NMDCD TPH CLOSURE STD: <u>5000</u> PPM
SOIL AND EXCAVATION DESCRIPTION:
OVM CALIB READ. <u>53.4</u> ppm
TIME: <u>0730</u> @m/pm <u>12/19/00</u>
CHECK ONE <input checked="" type="checkbox"/> PIT ABANDONED <input type="checkbox"/> STEEL TANK INSTALLED <input type="checkbox"/> FIBERGLASS TANK INSTALLED

EXCAVATION CONSIST OF BEDROCK (SANDSTONE), ALL SAMPLES COLLECTED FROM BEDROCK, THEREFORE NO TPH ANALYSIS WAS CONDUCTED, COLOR VARYING FROM VERY PALE ORANGE TO MED. DK. GRAY, SIDEWALLS FRIABLE/FRACTURED TO VERY HARD, BOTTOM - VERY HARD, DISCOLORATION & HC ODOR EVIDENT WITHIN EXCAVATION, HC ODOR DETECTED IN ALL OVM SAMPLES.

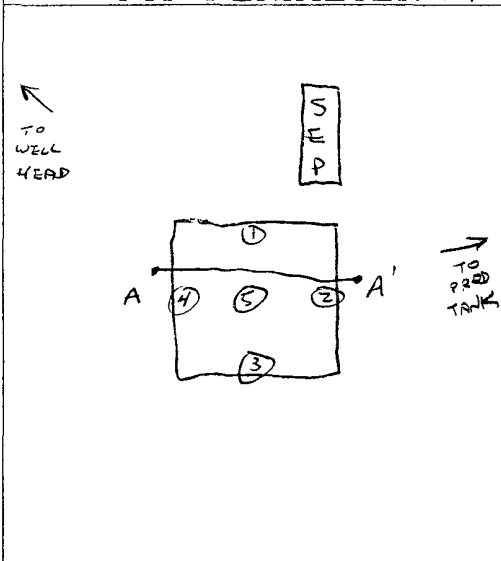


FIELD 4181 CALCULATIONS

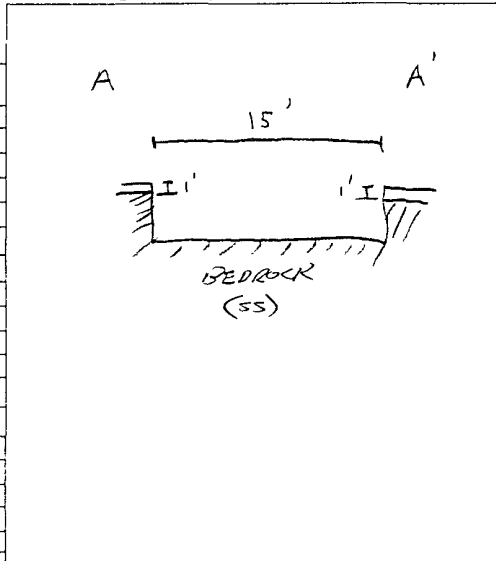
TIME	SAMPLE ID	LAB No	WEIGHT (g)	mL FREON	DILUTION	READING	CALC ppm
0810							

PIT PERIMETER N

PIT PROFILE



OVM RESULTS		
SAMPLE ID	FIELD HEADSPACE PHD (ppm)	
1 @ 4'	131.6	
2 @ 3'	135.7	
3 @ 3'	101.9	
4 @ 3'	123.3	
5 @ 6'	100.6	
LAB SAMPLES		
SAMPLE ID	ANALYSIS	TIME



TRAVEL NOTES. CALLOUT <u>12/18/00 - MORN.</u> ONSITE: <u>12/19/00 - MORN.</u>

CLIENT

BP

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

LOCATION NO: B0824

C.O.C NO 14720

FIELD REPORT: LANDFARM/COMPOST PILE CLOSURE VERIFICATION

LOCATION: NAME: CHAVEZ GC A WELL #: 1A PITS:
QUAD/UNIT P SEC 3 TWP 29N RNG 9W PM:NM CNTY:ST ST:NM
QTR/FOOTAGE: SE/SE CONTRACTOR:

DATE STARTED: 12/14/06

DATE FINISHED:

ENVIRONMENTAL SPECIALIST NV

SOIL REMEDIATION:

REMEDICATION SYSTEM: LANDFARM?

APPROX. CUBIC YARDAGE: 35

LAND USE: RANGE - BLM

LIFT DEPTH (ft): N/A

FIELD NOTES & REMARKS:

DEPTH TO GROUNDWATER

>100'

NEAREST SURFACE WATER:

>1,000'

NEAREST WATER SOURCE

>1,000'

NMOC D RANKING SCORE

0

NMOC D TPH CLOSURE STD:

5,000

PPM

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

SOIL COLOR

MOD. BROWN

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 -

HC ODOR DETECTED: YES / NO EXPLANATION -

SAMPLING DEPTHS (LANDFARMS): 0 - 4 (INCHES)

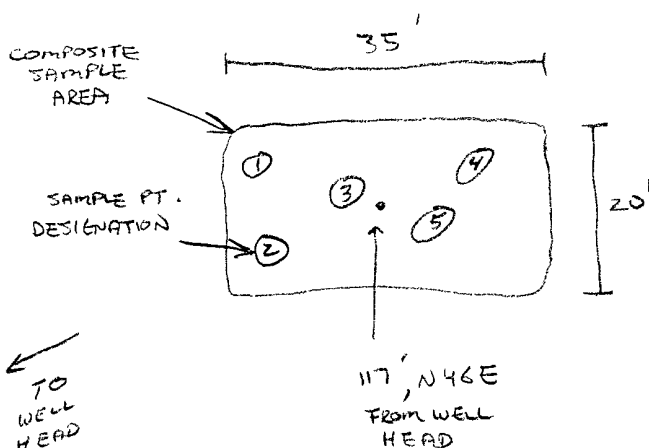
SAMPLE TYPE: GRAB / COMPOSITE # OF PTS. 5

ADDITIONAL COMMENTS NO ACTUAL LANDFARM OBSERVED ON-SITE.

CLOSED

SKETCH/SAMPLE LOCATIONS

N



OVM CALIB READ. = 51.7 ppm
OVM CALIB GAS = 100 ppm RF = 0.52
TIME 9:15 am DATE 12/14/06

OVM RESULTS

LAB SAMPLES

SAMPLE ID	FIELD HEADSPACE (ppm)	SAMPLE ID	ANALYSIS	TIME	RESULTS (PPM)
LF-1	0.0	LF-1	TPH (8015B)	1005	0.6
		"	CHLORIDE	"	52.0

SCALE



0 FT

P.C. - 12/19/00

TRAVEL NOTES: CALLOUT.

N/A

ONSITE:

12/28/01, 12/14/06

EPA METHOD 8015 Modified
Nonhalogenated Volatile Organics
Total Petroleum Hydrocarbons

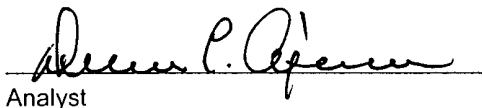
Client:	Blagg / BP	Project #:	94034-010
Sample ID:	LF - 1	Date Reported:	12-15-06
Laboratory Number:	39513	Date Sampled:	12-14-06
Chain of Custody No:	14720	Date Received:	12-14-06
Sample Matrix:	Soil	Date Extracted:	12-14-06
Preservative:	Cool	Date Analyzed:	12-15-06
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

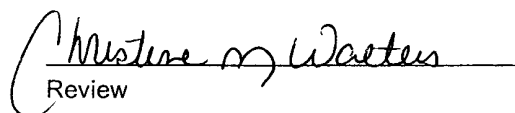
Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	ND	0.2
Diesel Range (C10 - C28)	0.6	0.1
Total Petroleum Hydrocarbons	0.6	0.2

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: **Chavez GC A #1A Landfarm 5 Pt. Composite Sample**


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

Chloride

Client:	Blagg / BP	Project #:	94034-010
Sample ID:	LF - 1	Date Reported:	12-15-06
Lab ID#:	39513	Date Sampled:	12-14-06
Sample Matrix:	Soil	Date Received:	12-14-06
Preservative:	Cool	Date Analyzed:	12-15-06
Condition:	Cool and Intact	Chain of Custody:	14720

Parameter

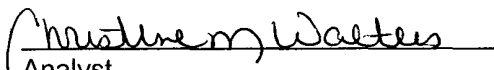
Concentration (mg/Kg)

Total Chloride

52.0

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

Comments: Chavez GC A #1A Landfarm 5 Pt. Composite Sample


Analyst


Review

District I
P O Box 1980, Hobbs, NM
District II
P O. Drawer DD, Artesia, NM 88211
District III
1000 Rio Brazos Rd, Aztec, NM 87410

State of New Mexico
Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION
P.O. Box 2088
Santa Fe, New Mexico 87504-2088

SUBMIT 1 COPY TO
APPROPRIATE
DISTRICT OFFICE
AND 1 COPY TO
SANTA FE OFFICE

PIT REMEDIATION AND CLOSURE REPORT

Operator: Amoco Production Company Telephone: (505) - 326-9200
Address: 200 Amoco Court, Farmington, New Mexico 87401
Facility Or: CHAVEZ GC A #1A
Well Name _____
Location: Unit or Qtr/Qtr Sec P sec 3 T29N R 9W County SAN JUAN
Pit Type: Separator Dehydrator Other ABANDONED BWW
Land Type: BLM ☒, State , Fee , Other com. AGMT.

Pit Location: Pit dimensions: length NA, width NA, depth NA
(Attach diagram) Reference: wellhead ☒, other
Footage from reference: 153'
Direction from reference: 27 Degrees ☒ East North ☒
of
West South

Depth To Ground Water: Less than 50 feet (20 points)
(Vertical distance from 50 feet to 99 feet (10 points)
contaminants to seasonal Greater than 100 feet (0 Points) 0
high water elevation of
ground water)

Wellhead Protection Area: Yes (20 points)
(Less than 200 feet from a private No (0 points) 0
domestic water source, or; less than
1000 feet from all other water sources)

Distance To Surface Water: Less than 200 feet (20 points)
(Horizontal distance to perennial 200 feet to 1000 feet (10 points) 0
lakes, ponds, rivers, streams, creeks,
irrigation canals and ditches) Greater than 1000 feet (0 points)

RANKING SCORE (TOTAL POINTS): 0

B0824

ABAN. BLOW

Date Remediation Started: _____ Date Completed: 12/19/00Remediation Method: Excavation ☒ Approx. cubic yards NA

(Check all appropriate sections)

Landfarmed _____ Insitu Bioremediation _____

Other CLOSE AS IS.Remediation Location: Onsite ☒ Offsite _____
(ie. landfarmed onsite,
name and location of
offsite facility)

General Description Of Remedial Action: _____

Excavation . BEDROCK BOTTOM. NO REMEDIATION NECESSARY.

Ground Water Encountered: No ☒ Yes _____ Depth _____Final Pit: Sample location see Attached Documents

Closure Sampling:

(if multiple samples,
attach sample results
and diagram of sample
locations and depths)Sample depth 6' (TRENCH BOTTOM)Sample date 12/19/00 Sample time 0740

Sample Results

Benzene(ppm) _____

Total BTEX(ppm) _____

Field headspace(ppm) 0.0TPH NAGround Water 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 BELIEFDATE 12/19/00SIGNATURE B. ShawPRINTED NAME
AND TITLEBuddy D. Shaw
Environmental Coordinator

District I
P.O. Box 1980, Hobbs, NM
District II
P.O. Drawer DD, Artesia, NM 88211
District III
1000 Rio Brazos Rd, Aztec, NM 87410

State of New Mexico
Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION
P.O. Box 2088
Santa Fe, New Mexico 87504-2088

SUBMIT 1 COPY TO
APPROPRIATE
DISTRICT OFFICE
AND 1 COPY TO
SANTA FE OFFICE

PIT REMEDIATION AND CLOSURE REPORT

Operator: Amoco Production Company Telephone: (505) 326-9200
Address: 200 Amoco Court, Farmington, New Mexico 87401
Facility Or: CHAVEZ GC A #1A
Well Name _____
Location: Unit or Qtr/Qtr sec P sec 3 T 29N R 9W County SAN JUAN
Pit Type: ^{ABANDONED} Separator ☒ Dehydrator _____ Other _____
Land Type: BLM ☒, State _____, Fee _____, Other COM AGMT.

Pit Location: Pit dimensions: length 15', width 15', depth 6'
(Attach diagram) Reference: wellhead ☒, other _____
Footage from reference: 132'
Direction from reference: 67 Degrees ☒ East North _____
of _____ West South ☒

Depth To Ground Water: Less than 50 feet (20 points)
(Vertical distance from 50 feet to 99 feet (10 points)
contaminants to seasonal Greater than 100 feet (0 Points) 0
high water elevation of
ground water)

Wellhead Protection Area: Yes (20 points)
(Less than 200 feet from a private No (0 points) 0
domestic water source, or; less than
1000 feet from all other water sources)

Distance To Surface Water: Less than 200 feet (20 points)
(Horizontal distance to perennial 200 feet to 1000 feet (10 points) 0
lakes, ponds, rivers, streams, creeks, Greater than 1000 feet (0 points) _____
irrigation canals and ditches)

RANKING SCORE (TOTAL POINTS): 0

Date Remediation Started: _____ Date Completed: 12/19/00

Remediation Method: Excavation ☒ Approx. cubic yards 35
(Check all appropriate sections) Landfarmed ☒ Insitu Bioremediation _____
Other _____

Remediation Location: Onsite ☒ Offsite _____
(ie. landfarmed onsite, name and location of offsite facility)

General Description Of Remedial Action: _____

Excavation. MOSTLY BEDROCK. RISK ASSESSED. ALL SAMPLES COLLECTED
FROM BEDROCK, THEREFORE NO TPH ANALYSIS WAS CONDUCTED.

Ground Water Encountered: No ☒ Yes _____ Depth _____Final Pit: Sample location see Attached Documents

Closure Sampling:
(if multiple samples,
attach sample results
and diagram of sample
locations and depths)

Sample depth 4' (NORTH SIDEWALL)Sample date 12/19/00 Sample time 0810

Sample Results

Benzene(ppm) _____

Total BTEX(ppm) _____

Field headspace(ppm) 131.6 / 100.6 AT BOTTOMTPH NAGround Water 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 12/19/00SIGNATURE B. ShawPRINTED NAME
AND TITLEBuddy D. Shaw
Environmental Coordinator

CLIENT <u>BP</u>	BLAGG ENGINEERING, INC. P.O. BOX 87, BLOOMFIELD, NM 87413 (505) 632-1199	LOCATION NO <u>80824</u> C.D.C. NO: _____
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FIELD REPORT: LANDFARM/COMPOST PILE CLOSURE VERIFICATION

LOCATION: NAME <u>CHAVEZ GC A</u> WELL #: <u>1A</u> PITS: <u>SEP</u> QUAD/UNIT: <u>P</u> SEC <u>3</u> TWP: <u>29N</u> RNG: <u>9W</u> PM: <u>NM</u> CNTY: <u>ST</u> ST: <u>NM</u> QTR/FOOTAGE: _____ SE/SE CONTRACTOR: <u>FLINT</u>	DATE STARTED <u>12/28/01</u> DATE FINISHED _____ ENVIRONMENTAL SPECIALIST <u>NV</u>
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SOIL REMEDIATION.

REMEDICATION SYSTEM: _____	APPROX. CUBIC YARDAGE: <u>35</u>
LAND USE: <u>RANGE - BLM</u>	LIFT DEPTH (ft): _____

FIELD NOTES & REMARKS:	NMOCB RANKING SCORE: <u>0</u>	NMOCB 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: _____
 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: _____
 HC ODOR DETECTED: YES / NO EXPLANATION: _____
 SAMPLING DEPTHS (LANDFARMS): _____ (INCHES)
 SAMPLE TYPE: GRAB / COMPOSITE - # OF PTS. _____
 ADDITIONAL COMMENTS: NO LANDFARM OBSERVED ON-SITE

FIELD 418.1 CALCULATIONS

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

SKETCH/SAMPLE LOCATIONS

NO LANDFARM
 OBSERVED

DVM CALIB. READ. _____ ppm
 DVM CALIB. GAS = 100 ppm; RF = 0.52
 TIME: _____ am/pm DATE: _____

OVM RESULTS

LAB SAMPLES

SAMPLE ID	FIELD HEADSPACE PID (ppm)	SAMPLE ID	ANALYSIS	TIME	RESULTS

P.C. 12/19/00

SCALE



TRAVEL NOTES: CALLOUT: <u>N/A</u>	ONSITE: <u>12/28/01</u>
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14720

san juan reproduction 579-120

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA Method 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

Quality Assurance Report

Client:	QA/QC	Project #:	N/A
Sample ID:	12-15-06 QA/QC	Date Reported:	12-15-06
Laboratory Number:	39470	Date Sampled:	N/A
Sample Matrix:	Methylene Chloride	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	12-15-06
Condition:	N/A	Analysis Requested:	TPH

	I-Cal Date	I-Cal RF	C-Cal RF	% Difference	Accept. Range
Gasoline Range C5 - C10	07-11-05	1.0061E+003	1.0071E+003	0.10%	0 - 15%
Diesel Range C10 - C28	07-11-05	9.9255E+002	9.9454E+002	0.20%	0 - 15%

Blank Conc. (mg/L - mg/Kg)	Concentration	Detection Limit
Gasoline Range C5 - C10	ND	0.2
Diesel Range C10 - C28	ND	0.1
Total Petroleum Hydrocarbons	ND	0.2

Duplicate Conc. (mg/Kg)	Sample	Duplicate	% Difference	Accept. Range
Gasoline Range C5 - C10	ND	ND	0.0%	0 - 30%
Diesel Range C10 - C28	ND	ND	0.0%	0 - 30%

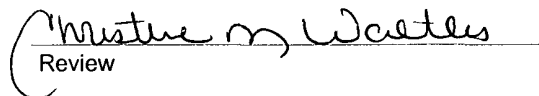
Spike Conc. (mg/Kg)	Sample	Spike Added	Spike Result	% Recovery	Accept. Range
Gasoline Range C5 - C10	ND	250	250	100.0%	75 - 125%
Diesel Range C10 - C28	ND	250	250	100.0%	75 - 125%

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: QA/QC for Samples 39470 - 39472, 39512 - 39516


Analyst


Review