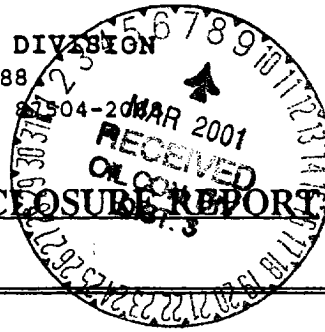


District I  
P.O. Box 1980, Hobbs, NM  
District II  
P.O. Drawer DD, Artesia, NM 88211  
District III  
30 Rio Brazos Rd, Aztec, NM 87410

State of New Mexico  
Energy, Minerals and Natural Resources Department

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

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



3 pits  
Abd (I)  
Abd blow  
Abd sep

OK

**PIT REMEDIATION AND CLOSURE REPORT**

Operator: Amoco Production Company Telephone: (505) - 326-9200

Address: 200 Amoco Court, Farmington, New Mexico 87401

Facility Or: ELLIOTT GC R #1E  
Well Name

Location: Unit or Qtr/Qtr sec C sec 34 T30N R 9W county SAN JUAN

Pit Type: Separator    Dehydrator    Other ABANDONED (I)

Land Type: BLM , State   , Fee   , Other   

Pit Location: Pit dimensions: length NA, width NA, depth NA  
(Attach diagram)

Reference: wellhead , other   

Footage from reference: 156'

Direction from reference: 7 Degrees    East North     
   of     
 West  South

Depth To Ground Water: (Vertical distance from contaminants to seasonal high water elevation of ground water)	Less than 50 feet	(20 points)	
	50 feet to 99 feet	(10 points)	
	Greater than 100 feet	(0 Points)	<u>10</u>
Wellhead Protection Area: (Less than 200 feet from a private domestic water source, or; less than 1000 feet from all other water sources)	Yes	(20 points)	
	No	(0 points)	<u>0</u>
Distance To Surface Water: (Horizontal distance to perennial lakes, ponds, rivers, streams, creeks, irrigation canals and ditches)	Less than 200 feet	(20 points)	
	200 feet to 1000 feet	(10 points)	
	Greater than 1000 feet	(0 points)	<u>0</u>
RANKING SCORE (TOTAL POINTS):			<u>10</u>

Date Remediation Started: \_\_\_\_\_ Date Completed: 10/25/00

Remediation 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. 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 9' (TEST HOLE BOTTOM)  
Sample date 10/24/00 Sample time 1400

Sample Results  
Benzene (ppm) \_\_\_\_\_  
Total BTEX (ppm) \_\_\_\_\_  
Field headspace (ppm) 0.0  
TPH ND

Ground 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 10/25/00  
SIGNATURE B. Shaw PRINTED NAME AND TITLE Buddy D. Shaw, Environmental Coordinator

CLIENT: <u>AMOCO</u>	BLAGG ENGINEERING, INC. P.O. BOX 87, BLOOMFIELD, NM 87413 (505) 632-1199	LOCATION NO: <u>80803</u> C.O.C. NO: <u>8249</u>
----------------------	--	---

FIELD REPORT: CLOSURE VERIFICATION PAGE No: 1 of 1

LOCATION: NAME: <u>ELLHOT GC R</u> WELL #: <u>1E</u> PIT: <u>ABAN. I</u>	DATE STARTED: <u>10/24/00</u> DATE FINISHED: _____
QUAD/UNIT: <u>C</u> SEC: <u>34</u> TWP: <u>30N</u> RNG: <u>9W</u> PM: <u>NM</u> CNTY: <u>SJ</u> ST: <u>NM</u>	ENVIRONMENTAL SPECIALIST: <u>NV</u>
QTR/FOOTAGE: <u>800'N/1630'W</u> NEW/CONTRACTOR: <u>FUNST</u>	

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 LEASE: SF-078139 FORMATION: OK

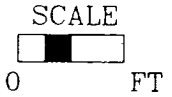
FIELD NOTES & REMARKS: PIT LOCATED APPROXIMATELY 156 FT. 57W FROM WELL-HEAD.  
 DEPTH TO GROUNDWATER: <100' NEAREST WATER SOURCE: >1000' NEAREST SURFACE WATER: >1000'  
 NMDCD RANKING SCORE: 10 NMDCD TPH CLOSURE STD: 1000 PPM  
 SOIL AND EXCAVATION DESCRIPTION: DVM CALIB. READ. 31.9 ppm TIME: 12:05 am @ 10/24/00  
 CHECK ONE:  
 PIT ABANDONED  
 STEEL TANK INSTALLED  
 FIBERGLASS TANK INSTALLED

MOD. YEL. BROWN SAND, NON COHESIVE, SLIGHTLY MOIST, FIRM, NO APPARENT STAINING OR HC ODOR DETECTED WITHIN TEST HOLE OR DVM SAMPLE.

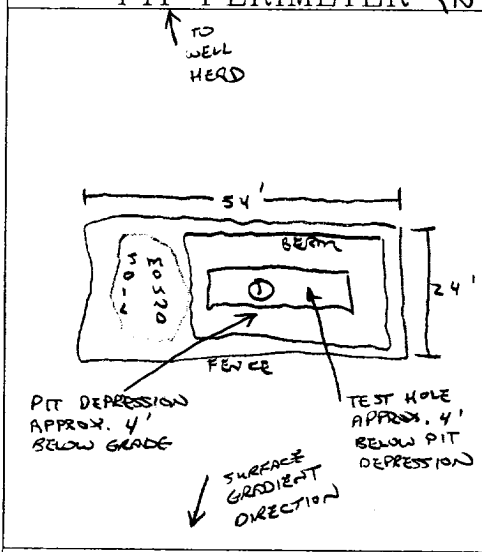
**CLOSED**

FIELD 418.1 CALCULATIONS

TIME	SAMPLE I.D.	LAB No:	WEIGHT (g)	mL. FREON	DILUTION	READING	CALC. ppm
1400							



PIT PERIMETER



PIT PROFILE

OVM RESULTS

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

NOT APPLICABLE

LAB SAMPLES

SAMPLE ID	ANALYSIS	TIME
029'	TPH (8015)	1400
<b>PASSED</b>		

TRAVEL NOTES: CALLOUT: 10/24/00 - MON. ONSITE: 10/24/00 - AFTER.

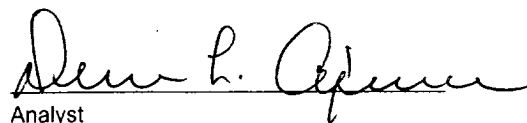
Client:	Blagg / BP	Project #:	403410
Sample ID:	1 @ 9'	Date Reported:	10-25-00
Laboratory Number:	18441	Date Sampled:	10-24-00
Chain of Custody No:	8249	Date Received:	10-24-00
Sample Matrix:	Soil	Date Extracted:	10-24-00
Preservative:	Cool	Date Analyzed:	10-25-00
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

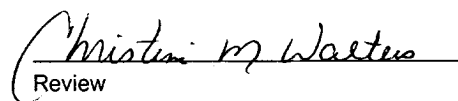
Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	ND	0.2
Diesel Range (C10 - C28)	ND	0.1
Total Petroleum Hydrocarbons	ND	0.1

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: Elliott GC R #1E Abandoned Pit (1).

  
Analyst

  
Review



Date Remediation Started: \_\_\_\_\_ Date Completed: 10/25/00

Remediation 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 . 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 9' (TRENCH BOTTOM)

Sample date 10/24/00 Sample time 1345

Sample Results

Benzene(ppm) \_\_\_\_\_

Total BTEX(ppm) \_\_\_\_\_

Field headspace(ppm) 0.0

TPH ND

Ground 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 10/25/00

SIGNATURE B. Shaw

PRINTED NAME AND TITLE

Buddy D. Shaw  
ENVIRONMENTAL COORDINATOR

CLIENT: <u>AMOCO</u>	BLAGG ENGINEERING, INC. P.O. BOX 87, BLOOMFIELD, NM 87413 (505) 632-1199	LOCATION NO: <u>80803</u> C.O.C. NO: <u>8249</u>
----------------------	--	---

FIELD REPORT: CLOSURE VERIFICATION PAGE No: 1 of 1

LOCATION: NAME: <u>ELIOTT GC R</u> WELL #: <u>1E</u> PIT: <u>ABAN. BLOW</u>	DATE STARTED: <u>10/24/00</u>
QUAD/UNIT: <u>C SEC: 34 TWP: 30N RNG: 9W PM: nm CNTY: ST NM</u>	DATE FINISHED: _____
QTR/FOOTAGE: <u>800' N   1630' W</u> NEW CONTRACTOR: <u>FLINT</u>	ENVIRONMENTAL SPECIALIST: <u>NV</u>

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 LEASE: SF-078139 FORMATION: DK

FIELD NOTES & REMARKS: PIT LOCATED APPROXIMATELY 195 FT. 544W FROM WELLHEAD.  
 DEPTH TO GROUNDWATER: <100' NEAREST WATER SOURCE: >1000' NEAREST SURFACE WATER: >1000'  
 NMOCD RANKING SCORE: 10 NMOCD TPH CLOSURE STD: 1000 PPM

CHECK ONE:	
<input checked="" type="checkbox"/>	PIT ABANDONED
<input type="checkbox"/>	STEEL TANK INSTALLED
<input type="checkbox"/>	FIBERGLASS TANK INSTALLED

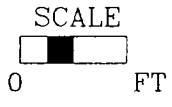
SOIL AND EXCAVATION DESCRIPTION: DVM CALIB. READ. 51.9 ppm TIME: 12:05 am 10/24/00

PALE TO MED. YELL. BROWN SAND, NON COHESIVE, SLIGHTLY MOIST, LOOSE TO FIRM, NO APPARENT DISCOLORATION OBSERVED OR HC ODOR DETECTED WITHIN TRENCH OR DVM SAMPLE.

CLOSED

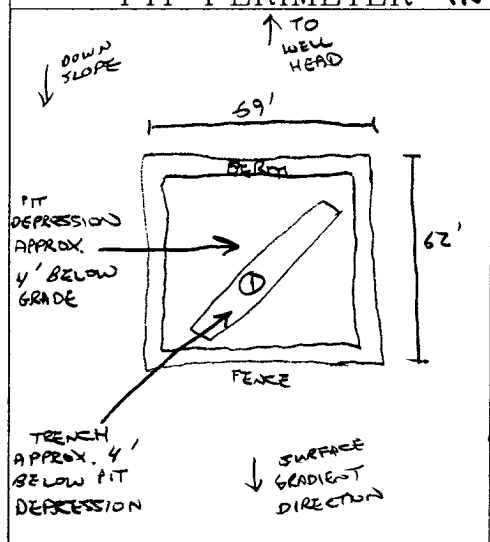
FIELD 418.1 CALCULATIONS

TIME	SAMPLE I.D.	LAB No:	WEIGHT (g)	mL. FREON	DILUTION	READING	CALC. ppm
1345							



PIT PERIMETER

PIT PROFILE



OVM RESULTS

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

NOT APPLICABLE

LAB SAMPLES

SAMPLE ID	ANALYSIS	TIME
① @ 9'	TPH (BOIS)	1345
	<b>PASSED</b>	

TRAVEL NOTES: CALLOUT: 10/24/00 - MORN. ONSITE: 10/24/00 - AFTER.

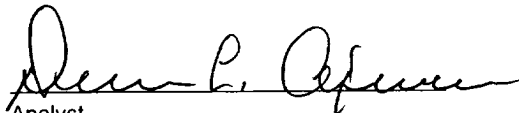
Client:	Blagg / BP	Project #:	403410
Sample ID:	1 @ 9'	Date Reported:	10-25-00
Laboratory Number:	18442	Date Sampled:	10-24-00
Chain of Custody No:	8249	Date Received:	10-24-00
Sample Matrix:	Soil	Date Extracted:	10-24-00
Preservative:	Cool	Date Analyzed:	10-25-00
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

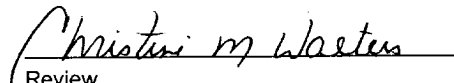
Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	ND	0.2
Diesel Range (C10 - C28)	ND	0.1
Total Petroleum Hydrocarbons	ND	0.1

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: Elliott GC R #1E Abandoned Blow Pit.

  
 Analyst

  
 Review

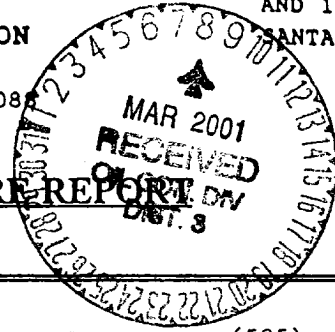


District I  
P.O. Box 1980, Hobbs, NM  
District II  
P.O. Drawer DD, Artesia, NM 88211  
District III  
30 Rio Brazos Rd, Aztec, NM 87410

State of New Mexico  
Energy, Minerals and Natural Resources Department

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APPROPRIATE  
DISTRICT OFFICE  
AND 1 COPY TO  
SANTA FE OFFICE

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



**PIT REMEDIATION AND CLOSURE REPORT**

Operator: Amoco Production Company Telephone: (505) - 326-9200

Address: 200 Amoco Court, Farmington, New Mexico 87401

Facility Or: ELLIOTT GC R #1E  
Well Name

Location: Unit or Qtr/Qtr Sec C Sec 34 T30N R 9W County SAN JUAN

Pit Type: <sup>ABANDONED</sup> Separator  Dehydrator  Other

Land Type: BLM , State , Fee , Other

Pit Location: Pit dimensions: length NA, width NA, depth NA  
(Attach diagram)

Reference: wellhead , other

Footage from reference: 110'

Direction from reference: 72 Degrees  East North   
of  
 West South

Depth To Ground Water: (Vertical distance from contaminants to seasonal high water elevation of ground water)	Less than 50 feet	(20 points)	
	50 feet to 99 feet	(10 points)	
	Greater than 100 feet	(0 Points)	<u>10</u>
Wellhead Protection Area: (Less than 200 feet from a private domestic water source, or; less than 1000 feet from all other water sources)	Yes	(20 points)	
	No	(0 points)	<u>0</u>
Distance To Surface Water: (Horizontal distance to perennial lakes, ponds, rivers, streams, creeks, irrigation canals and ditches)	Less than 200 feet	(20 points)	
	200 feet to 1000 feet	(10 points)	<u>0</u>
	Greater than 1000 feet	(0 points)	
RANKING SCORE (TOTAL POINTS):			<u>10</u>

Date Remediation Started: \_\_\_\_\_ Date Completed: 10/25/00

Remediation 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, 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 8' (TEST HOLE BOTTOM)  
Sample date 10/24/00 Sample time 1325

Sample Results

Benzene (ppm) \_\_\_\_\_

Total BTEX (ppm) \_\_\_\_\_

Field headspace (ppm) 0.0

TPH 7.0 ppm

Ground 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 10/25/00

SIGNATURE B. Shaw

PRINTED NAME AND TITLE

Buddy D. Shaw  
Environmental Coordinator

CLIENT: <u>AMOCO</u>	BLAGG ENGINEERING, INC. P.O. BOX 87, BLOOMFIELD, NM 87413 (505) 632-1199	LOCATION NO: <u>80803</u> C.O.C. NO: <u>8249</u>
----------------------	--	---

FIELD REPORT: CLOSURE VERIFICATION PAGE No: 1 of 1

LOCATION: NAME: <u>ELLIOTT GC R WELL # 1E</u> PIT: <u>ABAND. SEP.</u>	DATE STARTED: <u>10/24/00</u>
QUAD/UNIT: <u>C</u> SEC: <u>34</u> TWP: <u>30N</u> RNG: <u>9W</u> PM: <u>NM</u> CNTY: <u>ST</u> ST: <u>NM</u>	DATE FINISHED: _____
QTR/FOOTAGE: <u>800'N/1630'W</u> NEW CONTRACTOR: <u>FLINT</u>	ENVIRONMENTAL SPECIALIST: <u>NV</u>

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 LEASE: SF-078139 FORMATION: DK

FIELD NOTES & REMARKS: PIT LOCATED APPROXIMATELY 110 FT. STZE FROM WELL HEAD.  
 DEPTH TO GROUNDWATER: <100' NEAREST WATER SOURCE: >1000' NEAREST SURFACE WATER: >1000'

NMOCB RANKING SCORE: 10 NMOCB TPH CLOSURE STD: 1000 PPM  
 SOIL AND EXCAVATION DESCRIPTION: \_\_\_\_\_  
 DVM CALIB. READ. 529 ppm  
 TIME: 12:05 am. 10/24/00

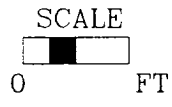
CHECK ONE:  
 PIT ABANDONED  
 STEEL TANK INSTALLED  
 FIBERGLASS TANK INSTALLED

MOD. YELL. BROWN SAND, NON COHESIVE, SLIGHTLY MOIST, FIRM, NO APPARENT DISCOLORATION OBSERVED OR HC ODOR DETECTED WITHIN TEST HOLE OR OVM SAMPLE.

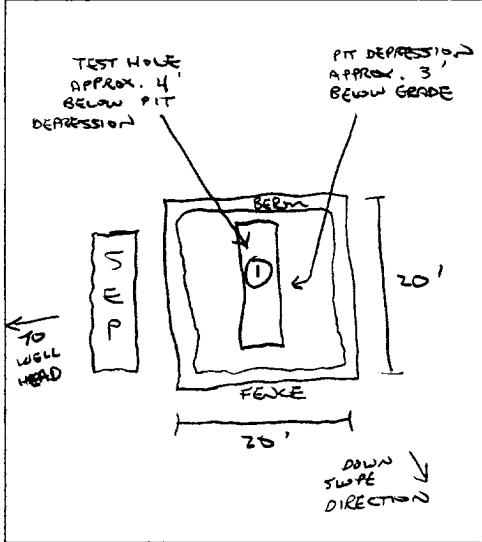
CLOSED

FIELD 418.1 CALCULATIONS

TIME	SAMPLE I.D.	LAB No:	WEIGHT (g)	mL. FREON	DILUTION	READING	CALC. ppm
1325							



PIT PERIMETER



PIT PROFILE

OVM RESULTS

SAMPLE ID	FIELD HEADSPACE PID (ppm)
1 @ 8'	0.0
2 @	
3 @	
4 @	
5 @	

NOT APPLICABLE

LAB SAMPLES

SAMPLE ID	ANALYSIS	TIME
1 @ 8'	TPH (8015)	1325
	<u>PASSED</u>	

TRAVEL NOTES: CALLOUT: 10/24/00 - MORNING ONSITE: 10/24/00 - AFTER

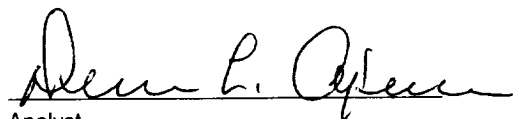
Client:	Blagg / BP	Project #:	403410
Sample ID:	1 @ 8'	Date Reported:	10-25-00
Laboratory Number:	18443	Date Sampled:	10-24-00
Chain of Custody No:	8249	Date Received:	10-24-00
Sample Matrix:	Soil	Date Extracted:	10-24-00
Preservative:	Cool	Date Analyzed:	10-25-00
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

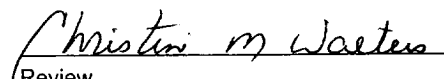
Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
<b>Gasoline Range (C5 - C10)</b>	<b>0.9</b>	<b>0.2</b>
<b>Diesel Range (C10 - C28)</b>	<b>6.1</b>	<b>0.1</b>
<b>Total Petroleum Hydrocarbons</b>	<b>7.0</b>	<b>0.1</b>

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: **Elliott GC R #1E Abandoned Separator Pit.**

  
Analyst

  
Review

# CHAIN OF CUSTODY RECORD

08247

Client / Project Name		Project Location		ANALYSIS / PARAMETERS												
BLAGE / BP		ELLIOTT GC R #1E														
Sampler: NJV		Client No. 403410														
Sample No./ Identification	Sample Date	Sample Time	Lab Number	Sample Matrix	No of Containers	TPH (8015)										Remarks
De 9'	10/24/00	1400	18441	SOIL	1	✓										ABANDONED PIT (I)
De 9'	10/24/00	1345	18442	SOIL	1	✓										ABANDONED BLOW PIT
De 8'	10/24/00	1325	18443	SOIL	1	✓										ABANDONED SEPARATOR PIT
																ALL SAMPLES
																PRESERV. - COOL
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time						
<i>[Signature]</i>		10/24/00		1452		<i>Christina Lambert</i>		10-24-00		14:52						
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time						
						Received by: (Signature)										
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time						
						Received by: (Signature)										
Sample Receipt													Y	N	N/A	
													Received Intact	✓		
													Cool - Ice/Blue Ice	✓		

**ENVIROTECH INC.**

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