

Compost results

Abd Blw - OK - not in file

80183

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

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

PIT REMEDIATION AND CLOSURE REPORT

Blow pit approval 11/1/82
not in well file

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

Address: 200 Amoco Court, Farmington, New Mexico 87401

Facility Or: KUTZ J. FEDERAL 2
Well Name

Location: Unit or Qtr/Qtr Sec B Sec 6 T27N R 10W county SAN JUAN

Pit Type: Separator ___ Dehydrator ___ Other ABANDONED BLOW

Land Type: BLM X, State ___, Fee ___, Other _____

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

Reference: wellhead X, other _____

Footage from reference: 175'

Direction from reference: 73 Degrees ___ East North ___
of
X West South X

Depth To Ground Water: Less than 50 feet (20 points) 91
(Vertical distance from 50 feet to 99 feet (10 points) 0
contaminants to seasonal Greater than 100 feet (0 Points) 10
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) 0
irrigation canals and ditches)

RANKING SCORE (TOTAL POINTS): 10

Date Remediation Started: _____ Date Completed: 12/13/94

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 CONTAMINATED SOILS

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'
Sample date 12/13/94 Sample time 1200

Sample Results
Benzene(ppm) _____
Total BTEX(ppm) _____
Field headspace(ppm) 0.0
TPH 24 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 12/13/94
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>80193</u> C.O.C. NO: _____
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FIELD REPORT: CLOSURE VERIFICATION PAGE No: 1 of 1

LOCATION: NAME: <u>KUTZ J. FEDERALWELL #:</u> <u>2</u> PIT: <u>ABRN. BLOW</u>	DATE STARTED: <u>12/13/94</u>
QUAD/UNIT: <u>B</u> SEC: <u>6</u> TWP: <u>27N</u> RNG: <u>10W</u> PM: <u>NM</u> CNTY: <u>ST</u> ST: <u>NM</u>	DATE FINISHED: _____
QTR/FOOTAGE: <u>NW/4 NE/4</u> CONTRACTOR: <u>EPC</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-077384 FORMATION: OK

FIELD NOTES & REMARKS: PIT LOCATED APPROXIMATELY 175 FT. S73W FROM WELLHEAD.

DEPTH TO GROUNDWATER: 5100' NW NEAREST WATER SOURCE: 71000' NEAREST SURFACE WATER: 21000'

NMDCD RANKING SCORE: 13 NW NMDCD TPH CLOSURE STD: 5000 NW 1000 PPM

SOIL AND EXCAVATION DESCRIPTION:

CHECK ONE:

PIT ABANDONED

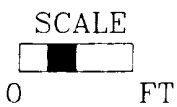
STEEL TANK INSTALLED

OK. YELL. ORANGE SAND, NON-COHESIVE, SLIGHTLY MOIST, FIRM, NO APPARENT HC OUM IN OUM SAMPLE.

CLOSED

FIELD 418.1 CALCULATIONS

TIME	SAMPLE I.D.	LAB No:	WEIGHT (g)	mL. FREON	DILUTION	READING	CALC. ppm
1200	<u>DEB'</u>	<u>TPH-1322</u>	<u>5</u>	<u>20</u>	<u>1:1</u>	<u>6</u>	<u>24</u>



PIT PERIMETER

OVM RESULTS

PIT PROFILE



SAMPLE ID	FIELD HEADSPACE PID (ppm)
<u>DEB'</u>	<u>0.0</u>

LAB SAMPLES		
SAMPLE ID	ANALYSIS	TIME

NOT APPLICABLE

TRAVEL NOTES: CALLOUT: 12/9/94 ONSITE: 12/13/94

BLAGG ENGINEERING, INC.

P.O. Box 87, Bloomfield, New Mexico 87413

Phone: (505)632-1199 Fax: (505)632-3903

**FIELD MODIFIED EPA METHOD 418.1
TOTAL PETROLEUM HYDROCARBONS**

Client:	Amoco	Project #:	
Sample ID:	1 @ 8'	Date Analyzed:	12-13-94
Project Location:	Kutz J. Federal 2	Date Reported:	12-13-94
Laboratory Number:	TPH-1322	Sample Matrix:	Soil

Parameter	Result, mg/kg	Detection Limit, mg/kg
Total Recoverable Petroleum Hydrocarbons	24	20


ND = Not Detectable at stated detection limits.

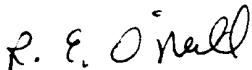
QA/QC:	QA/QC Sample TPH mg/kg	Duplicate TPH mg/kg	% *Diff.
	3560	3040	15.76

*Administrative Acceptance limits set at 30%.

Method: Modified Method 418.1, Petroleum Hydrocarbons, Total Recoverable, Chemical Analysis of Water and Waste, USEPA Storet No.4551, 1978

Comments: Abandoned Blow Pit - B0183


Analyst


Review

BLAGG ENGINEERING, INC.

P. O. Box 87, Bloomfield, New Mexico 87413

Phone: (505)632-1199 Fax: (505)632-3903

Field TPH-Worksheet

Max Characters:

Client:

Amoco

Project #:

Sample ID:

1 @ 8'

Date Analyzed:

12-13-94

Project Location:

Kutz J. Federal 2

Date Reported:

12-13-94

Laboratory Number:

TPH-1322

Sample Matrix:

Soil

Sample Weight:

5.00 grams

Volume Freon:

20.00 mL

Dilution Factor:

1 (unitless)

TPH Reading:

6 mg/kg

TPH Result:

24.0 mg/kg

Reported TPH Result:

24 mg/kg

Actual Detection Limit:

20.0 mg/kg

Reported Detection Limit:

20 mg/kg

QA/QC:

Original
TPH mg/kg

Duplicate
TPH mg/kg

%
Diff.

3560

3040

15.76

Comments:

*****Max Characters*****

Comments:

Abandoned Blow Pit - B0183

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P.O. Box 1980, Hobbs, NM
District II
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District III
1000 Rio Brazos Rd, Aztec, NM 87410

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Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION
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Santa Fe, New Mexico 87504-2088

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PIT REMEDIATION AND CLOSURE REPORT

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

Address: 200 Amoco Court, Farmington, New Mexico 87401

Facility Or: KUTZ J. FEDERAL 2
Well Name

Location: Unit or Qtr/Qtr Sec B Sec 6 T27N R 10W County SAN JUAN

Pit Type: Separator Dehydrator Other

Land Type: BLM , State , Fee , Other

Pit Location: Pit dimensions: length 21', width 20', depth 15'
(Attach diagram)

Reference: wellhead , other

Footage from reference: 96'

Direction from reference: 45 Degrees East North
 West South

Depth To Ground Water: (Vertical distance from contaminants to seasonal high water elevation of ground water)	Less than 50 feet	(20 points)	<u>0</u>
	50 feet to 99 feet	(10 points)	<u>0</u>
	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)	<u>0</u>
	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)	<u>0</u>
	200 feet to 1000 feet	(10 points)	<u>0</u>
	Greater than 1000 feet	(0 points)	<u>0</u>

RANKING SCORE (TOTAL POINTS): 10

Date Remediation Started: _____ Date Completed: _____

Remediation Method: Excavation Approx. cubic yards 185

(Check all appropriate sections)

Landfarmed _____ Insitu Bioremediation _____

Other COMPOSTED

Remediation Location: Onsite Offsite _____

(ie. landfarmed onsite, name and location of offsite facility)

General Description Of Remedial Action: _____

Excavation. RISK ASSESSED NV (NON VALUABLE)

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)

MULTIPLE SAMPLES

Sample depth 16'

Sample date 12/10/94 Sample time 1515

Sample Results

Benzene (ppm) _____

Total BTEX (ppm) _____

Field headspace (ppm) 658

TPH 13,400 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 12-14-94

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>B083</u>
		C.D.C. NO: _____

FIELD REPORT: CLOSURE VERIFICATION PAGE No: 1 of 1

LOCATION: NAME: <u>KUTZ J FEDERAL</u> WELL #: <u>2</u> PIT: <u>SEP</u>	DATE STARTED: <u>12/10/94</u>
QUAD/UNIT: <u>B</u> SEC: <u>6</u> TWP: <u>27N</u> RNG: <u>10W</u> PM: <u>Nm</u> CNTY: <u>SJ</u> ST: <u>Nm</u>	DATE FINISHED: _____
QTR/FOOTAGE: <u>NW/4</u> <u>NE/4</u> CONTRACTOR: <u>EPC</u>	ENVIRONMENTAL SPECIALIST: <u>NV</u>

EXCAVATION APPROX 21 FT. x 20 FT. x 15 FT. DEEP CUBIC YARDAGE: 185

DISPOSAL FACILITY: ON-SITE REMEDIATION METHOD: COMPOSTED

LAND USE: RANGE LEASE: SF-077384 FORMATION: DK

FIELD NOTES & REMARKS: PIT LOCATED APPROXIMATELY 96 FT. N 45 W FROM WELLHEAD.

DEPTH TO GROUNDWATER: 7100 915 NEAREST WATER SOURCE: 71000' NEAREST SURFACE WATER: 71000'

NMDCD RANKING SCORE: 2 NMDCD TPH CLOSURE STD: 1200 PPM

CHECK ONE:

PIT ABANDONED

STEEL TANK INSTALLED

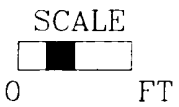
SOIL AND EXCAVATION DESCRIPTION:

PALE YELL. BROWN (NORTH, EAST, & WEST SIDEWALLS), OLIVE GRAY & SOME MED. DR. GRAY (SOUTH SIDEWALL), MED. LT GRAY (BOTTOM) SAND, NON-COHEJIVE, SLIGHTLY MOIST, FIRM, STRONG HC ODOR IN WEST, SOUTH, & BOTTOM OIL SAMPLES.

RISK ASSESSED GNV

FIELD 4181 CALCULATIONS

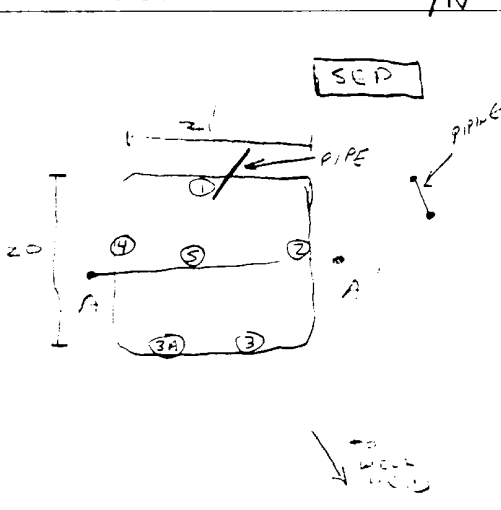
TIME	SAMPLE I.D.	LAB No.	WEIGHT (g)	ML. FREON	DILUTION	READING	CALC. ppb
1515	③ @ 16'	TPH-1314	5	20	10:1	336	13,440
1520	④ @ 12'	TPH-1315	5	20	10:1	88	3,520



PIT PERIMETER

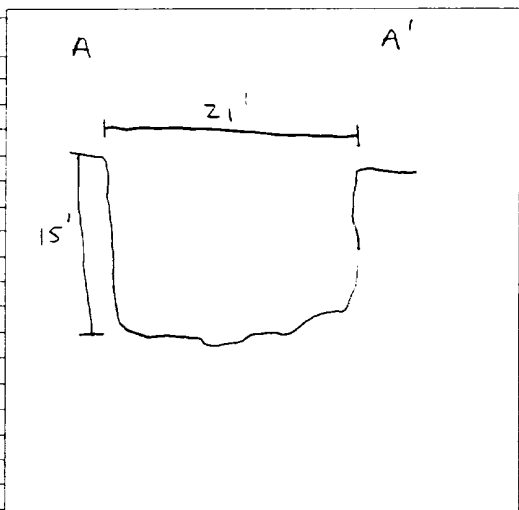
OVM RESULTS

PIT PROFILE



SAMPLE ID	FIELD HEADSPACE PID (ppm)
1 @ 10'	129.1
2 @ 11'	110.6
3 @ 9'	99.4
4 @ 12'	556
5 @ 16'	658
3A @ 10'	447

LAB SAMPLES		
SAMPLE ID	ANALYSIS	TIME



TRAVEL NOTES: CALLOUT: 12/9/94 ONSITE: 12/10/94

Well Name:	Kutz J. Federal #2
Well Site location:	Unit B, Sec. 6, T27N, R10W
Pit Type:	Separator Pit
Producing Formation:	Basin Dakota
Pit Category:	Non Vulnerable
Horizontal Distance to Surface Water:	> 1000 ft.
Vicinity Groundwater Depth:	> 100 ft.

RISK ASSESSMENT (non-vulnerable area)

Pit remediation activities were terminated when trackhoe reached practical extent for double wall steel tank installation.

No past or future threat to surface water or groundwater is likely based on the following considerations:

1. Groundwater levels located on or close to the well pad are estimated to be at a much greater depth below presumed shallow sandstone bedrock based on topographic and informal site survey of nearby bedrock outcrop information.
2. Topographic information does not indicate off site lateral fluid migration near the earthen pit.
3. Daily discharge into the earthen pit has been terminated (double wall steel tank installed). Prior discharge into the pit is believed to be under 5 barrels per day.
4. Well site located within the **non-vulnerable area** and is greater than 0.5 miles east of the nearest vulnerable area boundary (Kutz Canyon Wash).

(Refer to East Fork Kutz Canyon Quadrangle, New Mexico - San Juan County, 7.5 Minute Series (Topographic), provisional edition, 1985, (vulnerable area boundary developed by Mr. William C. Olson, Hydrogeologist, Environmental Bureau, New Mexico Oil Conservation Division).

It should be noted that the initial NMOCD Total Petroleum Hydrocarbon closure standard given to the well site (1,000 ppm) will be changed to indicate that groundwater is at depth greater than 100 feet below grade (estimation of groundwater during closure verification was listed as being less than 100 feet).

Based upon the information given, we conclude that the subsurface vertical impact to groundwater is very unlikely. AMOCO requests pit closure approval on this location.

BLAGG ENGINEERING, INC.

P.O. Box 87, Bloomfield, New Mexico 87413

Phone: (505)632-1199 Fax: (505)632-3903

**FIELD MODIFIED EPA METHOD 418.1
TOTAL PETROLEUM HYDROCARBONS**

Client:	Amoco	Project #:	
Sample ID:	4 @ 12'	Date Analyzed:	12-11-94
Project Location:	Kutz J. Federal 2	Date Reported:	12-11-94
Laboratory Number:	TPH-1315	Sample Matrix:	Soil

Parameter	Result, mg/kg	Detection Limit, mg/kg
Total Recoverable Petroleum Hydrocarbons	3,500	200


ND = Not Detectable at stated detection limits.

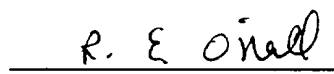
QA/QC:	QA/QC Sample TPH mg/kg	Duplicate TPH mg/kg	% *Diff.
	2640	2640	0.00

*Administrative Acceptance limits set at 30%.

Method: Modified Method 418.1, Petroleum Hydrocarbons, Total Recoverable, Chemical Analysis of Water and Waste, USEPA Storet No.4551, 1978

Comments: Separator Pit - B0183


Analyst


Review

BLAGG ENGINEERING, INC.

P.O. Box 87, Bloomfield, New Mexico 87413

Phone: (505)632-1199 Fax: (505)632-3903

**FIELD MODIFIED EPA METHOD 418.1
TOTAL PETROLEUM HYDROCARBONS**

Client:	Amoco	Project #:	
Sample ID:	5 @ 16'	Date Analyzed:	12-11-94
Project Location:	Kutz J. Federal 2	Date Reported:	12-11-94
Laboratory Number:	TPH-1314	Sample Matrix:	Soil

Parameter	Result, mg/kg	Detection Limit, mg/kg
Total Recoverable Petroleum Hydrocarbons	13,400	200

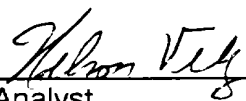
ND = Not Detectable at stated detection limits.

QA/QC:	QA/QC Sample TPH mg/kg	Duplicate TPH mg/kg	% *Diff.
	2640	2640	0.00

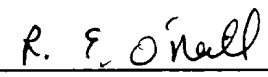
*Administrative Acceptance limits set at 30%.

Method: Modified Method 418.1, Petroleum Hydrocarbons, Total Recoverable, Chemical Analysis of Water and Waste, USEPA Storet No.4551, 1978

Comments: Separator Pit - B0183



Analyst



Review

BLAGG ENGINEERING, INC.

P. O. Box 87, Bloomfield, New Mexico 87413

Phone: (505)632-1199 Fax: (505)632-3903

Field TPH-Worksheet

Max Characters:

Client:

Amoco

Project #:

Sample ID:

5 @ 16'

Date Analyzed:

12-11-94

Project Location:

Kutz J. Federal 2

Date Reported:

12-11-94

Laboratory Number:

TPH-1314

Sample Matrix:

Soil

Sample Weight: 5.00 grams
Volume Freon: 20.00 mL
Dilution Factor: 10 (unitless)
TPH Reading: 336 mg/kg

TPH Result: 13440.0 mg/kg
Reported TPH Result: 13400 mg/kg
Actual Detection Limit: 200.0 mg/kg
Reported Detection Limit: 200 mg/kg

QA/QC:

Original
TPH mg/kg

Duplicate
TPH mg/kg

%
Diff.

2640

2640

0.00

Comments:

*****Max Characters*****

Comments:

Separator Pit - B0183

BLAGG ENGINEERING, INC.

P.O. Box 87, Bloomfield, New Mexico 87413

Phone: (505)632-1199 Fax: (505)632-3903

Field TPH-Worksheet

Max Characters:

Client:

Amoco

Project #:

Sample ID:

4 @ 12'

Date Analyzed:

12-11-94

Project Location:

Kutz J. Federal 2

Date Reported:

12-11-94

Laboratory Number:

TPH-1315

Sample Matrix:

Soil

Sample Weight: 5.00 grams
Volume Freon: 20.00 mL
Dilution Factor: 10 (unitless)
TPH Reading: 88 mg/kg

TPH Result: 3520.0 mg/kg
Reported TPH Result: 3500 mg/kg
Actual Detection Limit: 200.0 mg/kg
Reported Detection Limit: 200 mg/kg

QA/QC:

Original
TPH mg/kg

Duplicate
TPH mg/kg

%
Diff.

2640

2640

0.00

Comments:

*****Max Characters*****

Comments:

Separator Pit - B0183

10/17/96

CLIENT: <u>Amoco</u>	BLAGG ENGINEERING, INC. P.O. BOX 87, BLOOMFIELD, NM 87413 (505) 632-1199	LOCATION NO: <u>80183</u> C.O.C. NO: <u>ANALYTICA</u>
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FIELD REPORT: LANDFARM/COMPOST PILE CLOSURE VERIFICATION

LOCATION: <u>KUTZ J. FEDERAL 2</u> LEASE: <u>SF077384</u>	DATE STARTED: <u>3-26-96</u>
QUAD/UNIT <u>B</u> SEC: <u>6</u> TWP: <u>27 N</u> RNG: <u>10 W</u> BM: <u>NM</u> CNTY: <u>SJ</u> ST: <u>NM</u>	DATE FINISHED: <u>3-26-96</u>
QTR/FOOTAGE: <u>NW/NE</u> CONTRACTOR: <u>ETC</u>	ENVIRONMENTAL SPECIALIST: <u>PEO</u>

SOIL REMEDIATION:

REMEDICATION SYSTEM: COMPOST APPROX. CUBIC YARDAGE: 185

LAND USE: RANGE

FIELD NOTES & REMARKS:

DEPTH TO GROUNDWATER: >50' NEAREST WATER SOURCE: >1000' NEAREST SURFACE WATER: >1000'

NMOCD BANKING SCORE: 10 NMOCD TPH CLOSURE STD: 1000 PPM

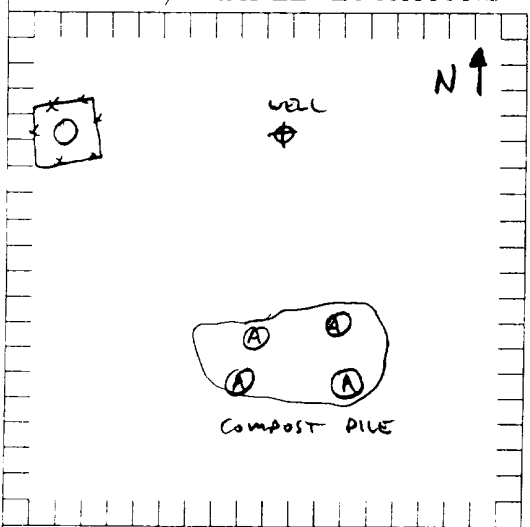
SOIL CONSISTS OF COMPOSTED MOIST, BROWN SAND - NO ODDOR / NO STRAW,

FIELD 418.1 CALCULATIONS

CLOSE C.P.

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

SKETCH/SAMPLE LOCATIONS



OVM RESULTS

SAMPLE ID	FIELD HEADSPACE PID (ppm)
<u>Comp. A</u>	<u>31</u>

LAB SAMPLES

SAMPLE ID	ANALYSIS
<u>Comp. A</u>	<u>8015</u> = 318 ppm

RECEIVED
SEP 16 1999
OIL CON. DIV.
DIST. 3

TRAVEL NOTES: CALLOUT: 3-25-96 ONSITE: 3-26-96 0850

TOTAL VOLATILE PETROLEUM HYDROCARBONS
Gasoline Range Organics

Blagg Engineering, Inc.

Project ID: Kutz J Federal #2
Sample Matrix: Soil
Preservative: Cool
Condition: Intact

Report Date: 04/04/96
Date Sampled: 03/26/96
Date Received: 03/26/96
Date Extracted: 03/28/96
Date Analyzed: 03/28/96

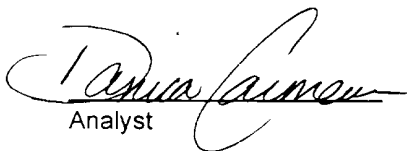
Sample ID	Concentration	Detection Limit (mg/kg)
Comp. A	2980	ND

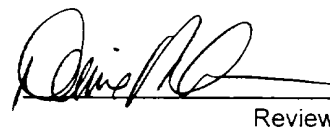
ND- Analyte not detected at the stated detection limit.

Quality Control: Surrogate % Recovery Acceptance Limits
Trifluorotoluene 82% 50 - 150%

Reference: Method for the Determination of Gasoline Range Organics,
State of Tennessee, Department of Environment and Conservation, Division
of Underground Storage Tanks.

Comments:


Analyst


Review

TOTAL RECOVERABLE PETROLEUM HYDROCARBONS

Diesel Range Organics

Blagg Engineering, Inc.

Project ID:	Kutz J Federal #2	Report Date:	04/04/96
Sample Matrix:	Soil	Date Sampled:	03/26/96
Preservative:	Cool	Date Received:	03/26/96
Condition:	Intact	Date Extracted:	03/28/96
		Date Analyzed:	03/28/96

Sample ID	Lab ID	Concentration (mg/kg)	Detection Limit (mg/kg)
Comp. A	2980	318	17.0

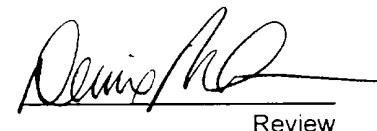
ND- Analyte not detected at the stated detection limit.

Quality Control:	<u>Surrogate</u>	<u>% Recovery</u>	<u>Acceptance Limits</u>
	o - Terphenyl	108%	50 - 150%

Reference: EPA Method 8015A, modified. "Nonhalogenated Volatile Organics by Gas Chromatography." Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Ed, Final Update I, July, 1992. USEPA.

Comments:


 Analyst


 Review

