Blowpit - Risk A0011 bedrock
Sep pit - Risk below

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 APPROPRIATE DISTRICT OFFIC AND 1 COPY TO SANTA FE OFFIC

PIT REMEDIATION AND CLOSURE REPORT

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

Address: 200 Amoco Court, Farmington, New Mexico 87401

Facility Or: Well Name DAVIS GC "G" #1

Location: Unit or Qtr/Qtr Sec I Sec 27 T 29N R 11W County SAN JUAN

Pit Type: Separator___ Dehydrator___ Other BLOW

Land Type: BLM___, State ___, Fee ___, Other COM. AGMT.

Pit Location: (Attach diagram)

Pit dimensions: length 30', width 30', depth 19'

Reference: wellhead X, other ___

Footage from reference: 160

Direction from reference: 90 Degrees ___ East North X of X 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) 10

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 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) 0

RANKING SCORE (TOTAL POINTS): 10

Date Remediation Started: _____ **Date Completed:** 5-16-94

Remediation Method: (Check all appropriate sections)
Excavation X — Approx. cubic yards 600
Landfarmed X — Insitu Bioremediation ___
Other _____

Remediation Location: (ie. landfarmed onsite, name and location of offsite facility)
Onsite ~~X~~ Offsite X SULLIVAN GC D#1

General Description Of Remedial Action:
Excavation

Ground Water Encountered: No X Yes ___ Depth _____

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

Sample location see Attached Documents

Sample depth 14'

Sample date 5-16-94 Sample time _____

Sample Results

Benzene(ppm) ND

Total BTEX(ppm) 88

Field headspace(ppm) 1059

TPH 560

Ground Water Sample: Yes ___ No X (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 5/25/94

SIGNATURE B A Shaw

PRINTED NAME AND TITLE Buddy D. Shaw, [illegible]

DO NOT BILL

(505) 632-1199
BLAGG ENGINEERING

CLIENT: Amoco

[redacted]

PIT NO: C4997
C.O.C. NO: 3584

FIELD REPORT: CLOSURE VERIFICATION

JOB No:
PAGE No: 1 of 2

LOCATION: LEASE: DAVIS GC WELL #: G1 PIT: BLOW
UNIT: I SEC: 27 TWP: 29N RNG: 11W BM: NM CNTY: SAN JUAN ST: NM
CONTRACTOR: P. VELASQUEZ

DATE STARTED: 5/10/94
DATE FINISHED: 5/10/94
ENVIRONMENTAL SPECIALIST: NV

SOIL REMEDIATION: EXCAVATION APPROX. 37 FT. x 42 FT. x 21' FT. DEEP.
DISPOSAL FACILITY: LANDFARMED @ SULLIVAN GC O #1
LAND USE: INDUSTRIAL - ADJACENT TO BLOOMFIELD REFINERY

FIELD NOTES & REMARKS: PIT LOCATED APPROXIMATELY 167 FEET N 81 W FROM WELLHEAD.
DEPTH TO GROUNDWATER: 50-100 NEAREST SURFACE WATER: >1000 NEAREST WATER SOURCE: >1000
NMOCD RANKING SCORE: 10 NMOCD TPH CLOSURE STD: 1000 PPM

SOIL AND EXCAVATION DESCRIPTION: HIGHLY CONTAMINATED SOIL (APPARENT BY DISCOLORATION) EVIDENT ON WEST & NORTH SIDEWALLS; GREEN TO BLACK SAND, NON-COHESIVE, SLIGHTLY MOIST DENSE TO VERY DENSE. EAST & SOUTH SIDEWALLS CONSIST OF DK. YELLOWISH ORANGE SAND, NON-COHESIVE, SLIGHTLY MOIST, FIRM TO DENSE. BOTTOM OF EXCAVATION CONSIST OF POSSIBLE BEDROCK MATERIAL, GREEN DISCOLORATION, SLIGHTLY MOIST, HARD, & W/ STRONG HC ODOR.

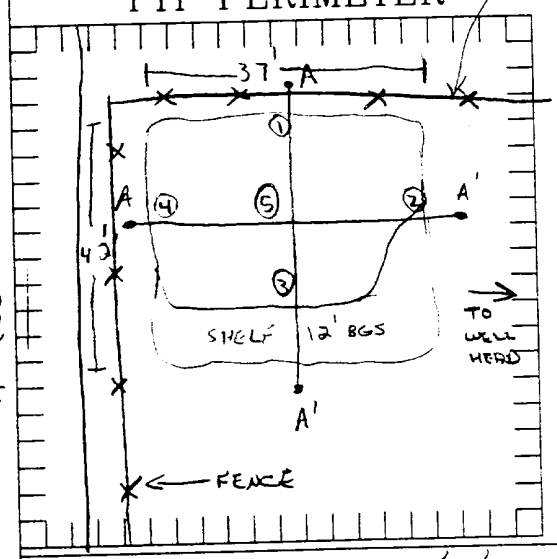
LAB SAMPLE COLLECTED FOR TPH (418.1) ⑤ @ 21' TIME - 0957

FIELD 418.1 CALCULATIONS

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

SCALE
0 FEET

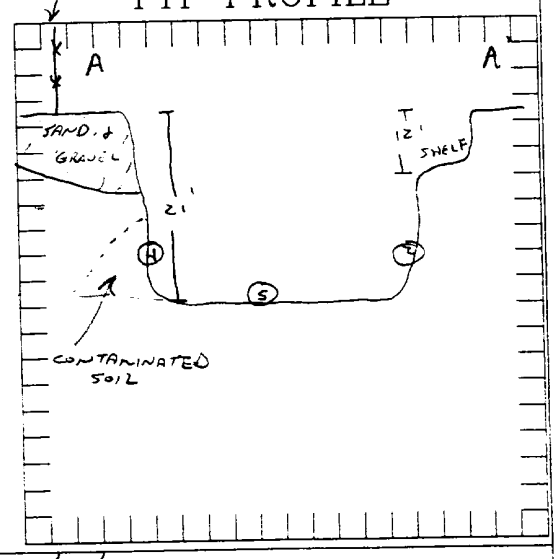
PIT PERIMETER



OVM RESULTS

SAMPLE ID	FIELD HEADSPACE PID (ppm)
① @ 16'	1075
② @ 16'	3.5
③ @ 17'	54.1
④ @ 17'	1046
⑤ @ 21'	775

PIT PROFILE



TRAVEL NOTES: CALLOUT: 5/9/94 ONSITE: 5/10/94

RESULTS TO BOB McCOY 5/23/94 PLO

CLIENT: AMOCO

ENVIROTECH Inc.

5796 US HWY. 64, FARMINGTON, NM 87401
(505) 632-0615

PIT NO: A0011
C.O.C. NO: 3628

FIELD REPORT: CLOSURE VERIFICATION

JOB No: 92140
PAGE No: 2 of 2

LOCATION: LEASE: DAVIS GC "G" WELL #: 1 PIT: BLOW
UNIT: I SEC: 27 TWP: 29 N RNG: 11 W BM: NM CNTY: SJ ST: NM
CONTRACTOR: PAUL VELASQUEZ

DATE STARTED: 5-16-94
DATE FINISHED:
ENVIRONMENTAL SPECIALIST: RCO

SOIL REMEDIATION: EXCAVATION APPROX. 30 FT. x 30 FT. x 19 FT. DEEP.
DISPOSAL FACILITY: ~~ON SITE~~ LANDFARM - SULLIVAN GC O #1
LAND USE: INDUSTRIAL / REFINERY - STORAGE

FIELD NOTES & REMARKS: PIT LOCATED APPROXIMATELY 160 FEET WEST FROM WELLHEAD.
DEPTH TO GROUNDWATER: >50' NEAREST SURFACE WATER: >1000' NEAREST WATER SOURCE: >1000'
NMOCD RANKING SCORE: 10 NMOCD TPH CLOSURE STD: 1000 PPM

SOIL AND EXCAVATION DESCRIPTION: MOIST, BROWN, SILTY SAND - MIXED WITH GRAVEL. SOME STAIN ON WEST, NORTH, + SOUTH BOTTOM SIDEWALLS. HARD SILTSTONE BOTTOM.

BEDROCK BOTTOM

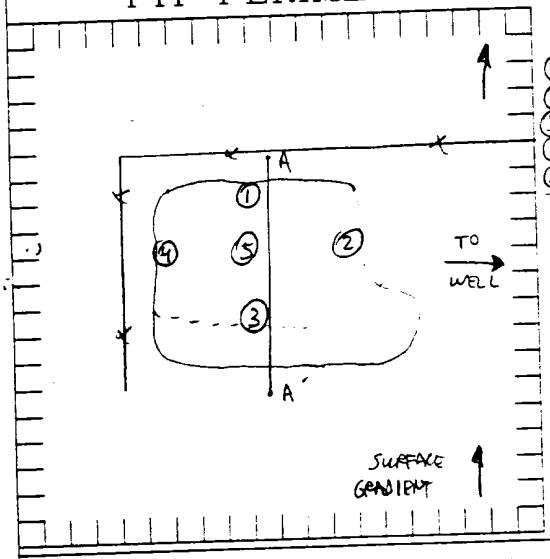
LISK ASSESSED

FIELD 418.1 CALCULATIONS

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

SCALE
0 10 20 FEET

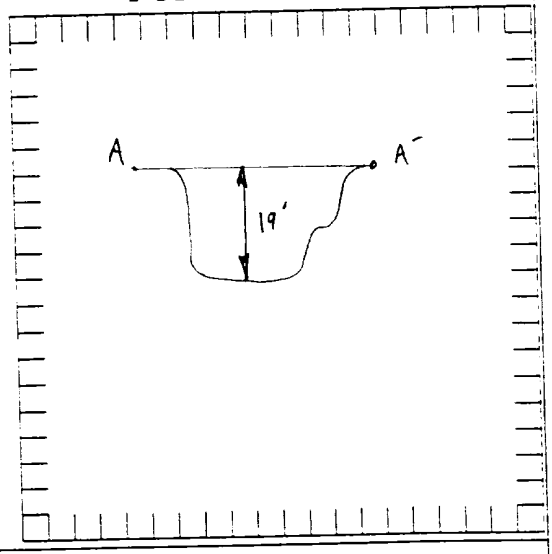
PIT PERIMETER



OVM RESULTS

	SAMPLE ID	FIELD HEADSPACE PID (ppm)
1	NSe 14'	1059
2	ESe 13'	18
3	SS@ 13'	45
4	WS@ 15'	201
5	KB@ 20'	919
	LAB	
1	418.1	
	BTEX	

PIT PROFILE



TRAVEL NOTES: CALLOUT: 5-13-94 ONSITE: 5-16-94 1030

Well Name:	**Davis GC G #1**
Well Site location:	Unit I, Sec. 27, T29N, R11W
Pit Type:	Blow pit
Producing Formation:	Chacra
Pit Category:	Vulnerable
Horizonal Distance to Surface Water:	> 1000 ft.
Vicinity Groundwater Depth:	> 50 ft.

RISK ASSESSMENT

Pit remediation activities were terminated when trackhoe encountered siltstone bedrock at 19-21 feet below grade.

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

1. Past production fluids were contained locally by a relatively shallow siltstone bedrock located 19-21 feet below grade. Groundwater levels located on or close to the well pad are estimated to be at a greater depth below the siltstone bedrock.

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 (pit abandoned). Prior discharge into the pit is believed to be under 5 barrels per day.

Based upon the information given, we conclude that the subsurface lateral impact from the earthen pit is very limited and that the siltstone bottom creates enough of a impermeable barrier as to subdue impact to groundwater below it (please refer to AMOCO's report "Post Excavation Pit Closure Investigation Summary, July, 1995", with cover letter dated November 30, 1995). AMOCO requests pit closure approval on this location.

ENVIROTECH LABS

5796 US HIGHWAY 64-3014 • FARMINGTON, NEW MEXICO 87401
PHONE: (505) 632-0615 • FAX: (505) 632-1865

EPA METHOD 418.1
TOTAL PETROLEUM HYDROCARBONS

Client:	Blagg Eng./Amoco	Project #:	04034
Sample ID:	5 @ 21'	Date Sampled:	05-10-94
Laboratory Number:	7367	Date Received:	05-10-94
Sample Matrix:	Soil	Date Analyzed:	05-11-94
Preservative:	Cool	Date Reported:	05-11-94
Condition:	Cool and Intact	Analysis Needed:	TPH

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
Total Petroleum Hydrocarbons	37.7	5.0

ND = Parameter not detected at the stated detection limit.
N/A = Not applicable

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

Comments: Davis GC G1 Blow Pit C4997

Tony Tristano
Analyst

Review

ENVIROTECH LABS

5796 US HIGHWAY 64-3014 • FARMINGTON, NEW MEXICO 87401
PHONE: (505) 632-0615 • FAX: (505) 632-1865

EPA METHOD 418.1
TOTAL PETROLEUM HYDROCARBONS

Client:	Amoco	Project #:	92140
Sample ID:	NS @ 14'	Date Sampled:	05-16-94
Laboratory Number:	7436	Date Received:	05-16-94
Sample Matrix:	Soil	Date Analyzed:	05-20-94
Preservative:	Cool	Date Reported:	05-20-94
Condition:	Cool and Intact	Analysis Needed:	TPH

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
Total Petroleum Hydrocarbons	560	15.0

ND = Parameter not detected at the stated detection limit.
N/A = Not applicable

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

Comments: Davis GC G #1 Blow Pit A0011

Tony Tristano
Analyst

Morris D Young
Review

ENVIROTECH LABS

5796 US HIGHWAY 64-3014 • FARMINGTON, NEW MEXICO 87401
PHONE: (505) 632-0615 • FAX: (505) 632-1865

EPA METHOD 8020
AROMATIC VOLATILE ORGANICS

Client:	Amoco	Project #:	92140
Sample ID:	NS @ 14'	Date Reported:	05-24-94
Laboratory Number:	7436	Date Sampled:	05-16-94
Sample Matrix:	Soil	Date Received:	05-16-94
Preservative:	Cool	Date Extracted:	05-23-94
Condition:	Cool & Intact	Date Analyzed:	05-24-94
		Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	ND	13.3
Toluene	760	26.6
Ethylbenzene	5,020	13.3
p,m-Xylene	53,800	20.0
o-Xylene	28,500	13.3

SURROGATE RECOVERIES:

Parameter	Percent Recovery
Trifluorotoluene	98 %
Bromofluorobenzene	94 %

Method: Method 5030, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992

Method 8020, Aromatic Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept. 1986.

ND - Parameter not detected at the stated detection limit.

Comments: Davis GC G #1 Blow Pit A0011

Analyst

Review

3584

CHAIN OF CUSTODY RECORD

C4997

Client/Project Name: ~~AMOCO~~ BLAGG ENG. / AMOCO 9/5

Project Location: BLOW PIT DAVIS GC G1

Sampler: (Signature) Nelson Velez

Chain of Custody Tape No. 04034

ANALYSIS/PARAMETERS

Sample No./ Identification	Sample Date	Sample Time	Lab Number	Sample Matrix	No. of Containers	TPH (418.1)						Remarks
(5) @ 21'	5/10/94	0957	7367	SOIL	1	✓						

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Nelson Velez	5/10/94	1519	Tony Tristano	5/10/94	1519
Relinquished by: (Signature)			Received by: (Signature)		
Relinquished by: (Signature)			Received by: (Signature)		

ENVIROTECH INC.
5796 U.S. Highway 64-3014
Farmington, New Mexico 87401
(505) 632-0615

san juan repro Form 578-81

3628

CHAIN OF CUSTODY RECORD

A0011

Client/Project Name	Project Location	ANALYSIS/PARAMETERS
AMOCO #92140	BLOW PIT DALIS 6C G #1	
Sampler: (Signature) R. E. O'Neill	Chain of Custody Tape No.	

Sample No./ Identification	Sample Date	Sample Time	Lab Number	Sample Matrix	No. of Containers	418.1	BTEX					Remarks
NS @ 14"	5-16-94	1110	7436	SOIL	1	✓	✓					RUN BTEX IF TPH < 1000

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
R. E. O'Neill	5/16/94	1444	Anthony Tristano	5/16/94	1445
Relinquished by: (Signature)			Received by: (Signature)		
Relinquished by: (Signature)			Received by: (Signature)		

ENVIROTECH INC.
5796 U.S. Highway 64-3014
Farmington, New Mexico 87401
(505) 632-0615

san juan repro Form 578-81

A0011

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
APPROPRIATE
DISTRICT OFFI
AND 1 COPY TO
SANTA FE OFFI

PIT REMEDIATION AND CLOSURE REPORT

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

Address: 200 Amoco Court, Farmington, New Mexico 87401

Facility Or: Well Name DAVIS GC "6" #1

Location: Unit or Qtr/Qtr Sec I Sec 27 T 29N R 11W County SAN JUAN

Pit Type: Separator X Dehydrator ___ Other ___

Land Type: BLM ___, State ___, Fee ___, Other COM. AGMT.

Pit Location: (Attach diagram)

Pit dimensions: length 20', width 15', depth 15'

Reference: wellhead X, other ___

Footage from reference: 165

Direction from reference: 60 Degrees X East North X 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)	10
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 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)	0

RANKING SCORE (TOTAL POINTS): 10

Date Remediation Started: _____ Date Completed: 5-16-94

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

Remediation Location: Onsite ~~X~~ Offsite X SULLIVAN GC D#1
(ie. landfarmed onsite, name and location of offsite facility)

General Description Of Remedial Action:
Excavation

Ground Water Encountered: No X Yes ___ Depth _____

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

Sample location see Attached Documents

Sample depth 8'

Sample date 5-16-94 Sample time _____

Sample Results

Benzene(ppm) ND

Total BTEX(ppm) 59

Field headspace(ppm) 1213

TPH 540

Ground Water Sample: Yes ___ No X (If yes, attach sample results)

I HEREBY CERTIFY THAT THE INFORMATION ABOVE IS TRUE AND COMPLETE TO THE BES OF MY KNOWLEDGE AND BELIEF

DATE 5/25/94

SIGNATURE BDShaw PRINTED NAME AND TITLE Buddy D. Shaw

DO NOT BILL

(505) 632-1199
BLAGG ENGINEERING

CLIENT: AMOCO

[redacted]

PIT NO: CH998
C.O.C NO: 3585

FIELD REPORT: CLOSURE VERIFICATION

JOB No:
PAGE No: 1 of 2

LOCATION: LEASE: OGUS GC WELL #: G1 PIT: SEP
UNIT: I SEC: 27 TWP: 29N RNG: 11W BM: NM CNTY: SAN JUAN ST: NM
CONTRACTOR: P. VELASQUEZ

DATE STARTED: 5/10/94
DATE FINISHED: 5/10/94
ENVIRONMENTAL SPECIALIST: NV

SOIL REMEDIATION: EXCAVATION APPROX. 23' FT. x 17' FT. x 16' FT. DEEP.
DISPOSAL FACILITY: LANDFARMED @ SULLIVAN GC D #1
LAND USE: INDUSTRIAL - ADJACENT TO BLOOMFIELD REFINERY

FIELD NOTES & REMARKS: PIT LOCATED APPROXIMATELY 173 FEET N78E FROM WELLHEAD.
DEPTH TO GROUNDWATER: 50-100 NEAREST SURFACE WATER: > 1000 NEAREST WATER SOURCE: >1000
NMOCD RANKING SCORE: 10 NMOCD TPH CLOSURE STD: 1000 PPM

SOIL AND EXCAVATION DESCRIPTION:

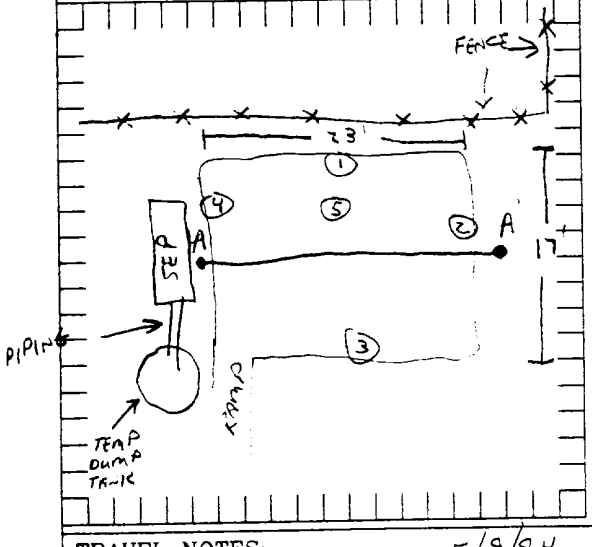
LAB SAMPLE COLLECTED FOR TPH (418.1) ⑤ @ 16' TIME - 1105

FIELD 418.1 CALCULATIONS

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

SCALE
0 FEET

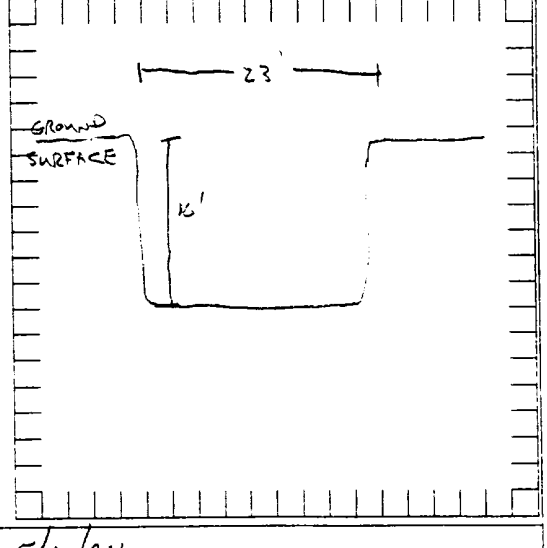
PIT PERIMETER



OVM RESULTS

SAMPLE ID	FIELD HEADSPACE PID (ppm)
① @ 11'	6.4
② @ 11'	2.2
③ @ 11'	1096
④ @ 12'	29.3
⑤ @ 16'	891

PIT PROFILE



TRAVEL NOTES: CALLOUT: 5/9/94 ONSITE: 5/10/94

RESULTS TO BOB MCCOY 5/25/94 PEO

CLIENT: AMOCO

ENVIROTECH Inc.

5796 US HWY. 64, FARMINGTON, NM 87401
(505) 632-0615

PIT NO: A0011
C.O.C. NO: 3627

FIELD REPORT: CLOSURE VERIFICATION

JOB No: 92140
PAGE No: 2 of 2

LOCATION: LEASE: DAVIS GC "G" WELL #: 1 PIT: SEP
NE SE UNIT: I SEC: 27 TWP: 29N RNG: 11W BM: NM CNTY: SJ ST: NM
CONTRACTOR: PAUL VELASQUEZ

DATE STARTED: 5-16-94
DATE FINISHED:
ENVIRONMENTAL SPECIALIST: PEO

SOIL REMEDIATION: EXCAVATION APPROX. 15 FT. x 20 FT. x 15 FT. DEEP.
DISPOSAL FACILITY: ~~ON SITE~~ LANDFARM @ SULLIVAN GC D #1
LAND USE: INDUSTRIAL / REFINERY - STORAGE

FIELD NOTES & REMARKS: PIT LOCATED APPROXIMATELY 165 FEET N 60°E FROM WELLHEAD.
DEPTH TO GROUNDWATER: >50' NEAREST SURFACE WATER: >1000' NEAREST WATER SOURCE: >1000'
NMOCD RANKING SCORE: 10 NMOCD TPH CLOSURE STD: 1000 PPM

SOIL AND EXCAVATION DESCRIPTION: MOIST, BROWN, SILTY SAND - BOTTOM IS FLAT SILTSTONE. NO STAIN - MODERATE HYDROCARBON ODOR.

BEDROCK BOTTOM

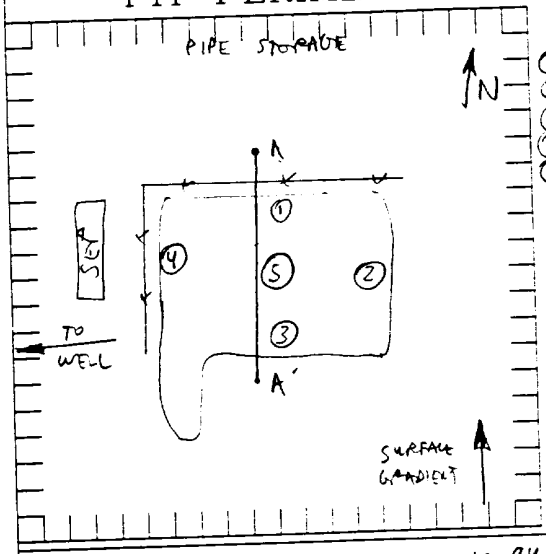
RISK ASSESSED

FIELD 418.1 CALCULATIONS

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

SCALE
0 5 10 FEET

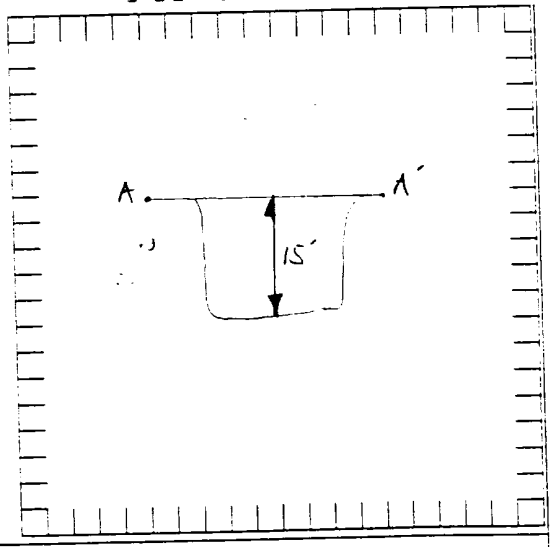
PIT PERIMETER



OVM RESULTS

	SAMPLE ID	FIELD HEADSPACE PID (ppm)
1	NS @ 10'	4
2	ES @ 10'	2
3	SS @ 8'	1213
4	WS @ 10'	1081
5	CB @ 17'	1071
		LAB
3		418.1 BTEX

PIT PROFILE



TRAVEL NOTES: CALLOUT: 5-13-94 ONSITE: 5-16-94 0930

Well Name:	**Davis GC G #1**
Well Site location:	Unit I, Sec. 27, T29N, R11W
Pit Type:	Separator pit
Producing Formation:	Chacra
Pit Category:	Vulnerable
Horizonal Distance to Surface Water:	> 1000 ft.
Vicinity Groundwater Depth:	> 50 ft.

RISK ASSESSMENT

Pit remediation activities were terminated when trackhoe encountered siltstone bedrock at 15-16 feet below grade.

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

1. Past production fluids were contained locally by a relatively shallow siltstone bedrock located 15-16 feet below grade. Groundwater levels located on or close to the well pad are estimated to be at a greater depth below the siltstone bedrock.

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 (pit abandoned). Prior discharge into the pit is believed to be under 5 barrels per day.

Based upon the information given, we conclude that the subsurface lateral impact from the earthen pit is very limited and that the siltstone bottom creates enough of a impermeable barrier as to subdue impact to groundwater below it (please refer to AMOCO's report "Post Excavation Pit Closure Investigation Summary, July, 1995", with cover letter dated November 30, 1995). AMOCO requests pit closure approval on this location.

ENVIROTECH LABS
5796 US HIGHWAY 64-3014 • FARMINGTON, NEW MEXICO 87401
PHONE: (505) 632-0615 • FAX: (505) 632-1865

EPA METHOD 418.1
TOTAL PETROLEUM HYDROCARBONS

Client:	Blagg Eng./Amoco	Project #:	04034
Sample ID:	5 @ 16'	Date Sampled:	05-10-94
Laboratory Number:	7368	Date Received:	05-10-94
Sample Matrix:	Soil	Date Analyzed:	05-11-94
Preservative:	Cool	Date Reported:	05-11-94
Condition:	Cool and Intact	Analysis Needed:	TPH

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
Total Petroleum Hydrocarbons	880	5.0

ND = Parameter not detected at the stated detection limit.
N/A = Not applicable

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

Comments: Davis GC G1 Sep Pit C4998

Tony Trujano
Analyst

Review

ENVIROTECH LABS
5796 US HIGHWAY 64-3014 • FARMINGTON, NEW MEXICO 87401
PHONE: (505) 632-0615 • FAX: (505) 632-1865

EPA METHOD 418.1
TOTAL PETROLEUM HYDROCARBONS

Client:	Amoco	Project #:	92140
Sample ID:	SS @ 8'	Date Sampled:	05-16-94
Laboratory Number:	7437	Date Received:	05-16-94
Sample Matrix:	Soil	Date Analyzed:	05-20-94
Preservative:	Cool	Date Reported:	05-20-94
Condition:	Cool and Intact	Analysis Needed:	TPH

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
Total Petroleum Hydrocarbons	540	15.0

ND = Parameter not detected at the stated detection limit.
N/A = Not applicable

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

Comments: Davis GC G #1 Sep Pit A0011

Tony Trujillo
Analyst

Morris D. Young
Review

ENVIROTECH LABS

5796 US HIGHWAY 64-3014 • FARMINGTON, NEW MEXICO 87401
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EPA METHOD 8020
AROMATIC VOLATILE ORGANICS

Client:	Amoco	Project #:	92140
Sample ID:	SS @ 8'	Date Reported:	05-24-94
Laboratory Number:	7437	Date Sampled:	05-16-94
Sample Matrix:	Soil	Date Received:	05-16-94
Preservative:	Cool	Date Extracted:	05-23-94
Condition:	Cool & Intact	Date Analyzed:	05-24-94
		Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	ND	13.2
Toluene	487	26.4
Ethylbenzene	2,030	13.2
p,m-Xylene	36,000	19.8
o-Xylene	21,000	13.2

SURROGATE RECOVERIES:

Parameter	Percent Recovery
Trifluorotoluene	97 %
Bromofluorobenzene	96 %

Method: Method 5030, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992

Method 8020, Aromatic Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept. 1986.

ND - Parameter not detected at the stated detection limit.

Comments: Davis GC "G" #1 Separator Pit A0011

Analyst

Review

3585

C4998

CHAIN OF CUSTODY RECORD

Client/Project Name: BLAGG ENG. / AMOCO ~~AMOCO~~ NV

Project Location: SEP. PIT DAVIS GC G1

Sampler: (Signature) Nelson Velez

Chain of Custody Tape No. 04034

ANALYSIS/PARAMETERS

Sample No./ Identification	Sample Date	Sample Time	Lab Number	Sample Matrix	No. of Containers	TPH (418.1)						Remarks
(5) @ 16'	5/10/94	1105	7368	SOIL	1	✓						

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Nelson Velez	5/10/94	1521	Tony Tristan	5/10/94	1521
Relinquished by: (Signature)			Received by: (Signature)		
Relinquished by: (Signature)			Received by: (Signature)		

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3627

CHAIN OF CUSTODY RECORD

Client/Project Name: AMOCO # 92140

Project Location: SEP. PIT — DAVIS GC "G" #1

ANALYSIS/PARAMETERS: ACC 11

Sampler: (Signature) R. E. O'Neal

Chain of Custody Tape No.:

Sample No./ Identification	Sample Date	Sample Time	Lab Number	Sample Matrix	No. of Containers	418.1	BTEX					Remarks
SS@ 8'	5-16-94	1000	7437	SOIL	1	✓	✓					RUN BTEX IF TPH < 1000

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
R. E. O'Neal	5/16/94	14:39	Tony Tristano	5/16/94	1940
Relinquished by: (Signature)			Received by: (Signature)		
Relinquished by: (Signature)			Received by: (Signature)		

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