

District I

P.O. Box 1980, Hobbs, NM

District II

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 87504-2088SUBMIT 1 COPY TO
APPROPRIATE
DISTRICT OFFICE
AND 1 COPY TO
SANTA FE OFFICEApproved
12/14/00
olson
C4530**PIT REMEDIATION AND CLOSURE REPORT**

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

Address: 200 Amoco Court, Farmington, New Mexico 87401

Facility Or: TEXAS NATIONAL GC #1
Well NameLocation: Unit or Qtr/Qtr Sec X K Sec 19 T 29N R 9W County SAN JUANPit Type: Separator Dehydrator Other ABANDONED BLOWLand Type: BLM, State, Fee, Other COM AGMTPit Location: Pit dimensions: length 40, width 30, depth 6'
(Attach diagram)Reference: wellhead X, otherFootage from reference: 180'Direction from reference: 20 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) 20

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) 0RANKING SCORE (TOTAL POINTS): 20

Date Remediation Started: _____ Date Completed: 3/15/94

Remediation Method: Excavation ☒ Approx. cubic yards 270
(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 GROUNDWATER WELL 2/10/94

Ground Water Encountered: No _____ Yes ☒ Depth 4'

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

Sample location REFER TO ATTACHED DOCUMENTS

Sample depth _____

Sample date _____ Sample time _____

Sample Results

Benzene(ppm) _____

Total BTEX(ppm) _____

Field headspace(ppm) _____

TPH _____

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 4/29/94

SIGNATURE

B. Shaw

PRINTED NAME
AND TITLE

Buddy D. Shaw
ENVIRONMENTAL COORDINATOR

5/14/94 Lab Results to P. Velazquez - No Recommendations (Rm)
5/14/94 - Reported Field Results by telephone to P. Velazquez, he Reported by w. Vile more digging (Rm)

ENVIROTECH Inc.

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

PIT NO. C4530

DOE NO. 3388

COC # 3427 3/15

DATE 9/21/93
PAGE 1

FIELD REPORT CLOSURE VERIFICATION

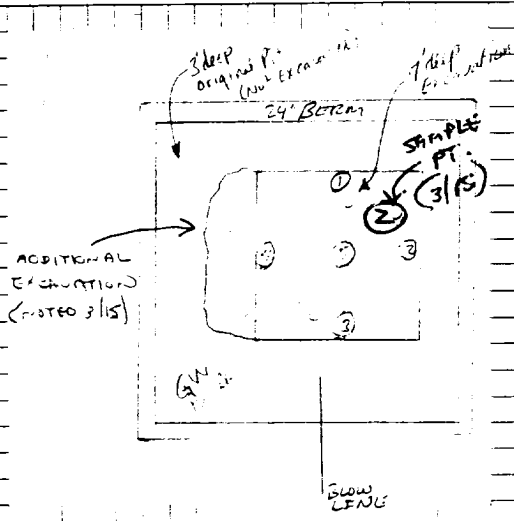
LOCATION LEASE TEXAS 11111111 62 WELL # 1 QD 11111111 (L) Abandoned
SEC. TWP RING BM 11111111 CNTY ST 11111111 PIT 11111111
CONTRACTOR 11111111
EQUIPMENT USED 11111111

SOIL PENETRATION QUANTITY: 30' x 30' x 24' → (40' x 30' x 6' (3/15))
DISPOSAL FACILITY: 11111111
LAND USE: 11111111
SURFACE CONDITIONS: EXCAVATED DEEP AREA - EQUIPMENT NOT ON SITE.

FIELD NOTES & REMARKS: PIT LOCATED APPROXIMATELY 180 FEET N20°E FROM WELLHEAD.
Small amount of groundwater is present at bottom of excavated area.
Groundwater appears to be flowing from pit towards the east.
Excavation Sidewalls appear to not contain any visible contamination.
Recommend Additional Excavation of 5' downwards, Pending Laboratory Results.

Lab Samples:
Pit water at 7' to 12'
Under Bottom 5' to 12'
306' Fine 4/15/94 - BTEX
LAB SAMPLES 3/15/94
② CGW FOR BTEX TIME-10/17/94

SAMPLE NO.	LAB NO.	WEIGHT (g)	ML FREQU.	DILUTION	READING	CALC. ppm	DEPTH TO GROUNDWATER
							7'
							NEAREST WATER SOURCE 21000'
							NEAREST SURFACE WATER 41000'
							MODEL RISK SCORE -
							MODEL RISK SCORE -



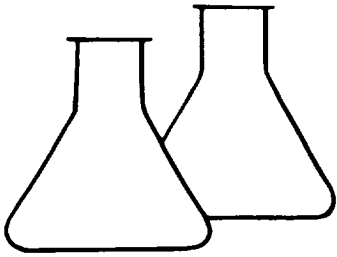
OVM RESULTS

SAMPLE ID	FIELD HEADSPACE PID (ppm)
5	3.1 ppm
264	12.2 ppm
306	1292 ppm
466	995 ppm
597	7.1 ppm
50	(40) - Lab Sample

PIT PROFILE

VINEYARD FIELD
0'-9' SM Silty Sand (Very Fine)
Dark yellowish brown, silty, silty
light brown, silty, silty
Silty Plastic when wet.
4'-7' M Silty Sand and Clay.
Dark yellowish brown with
black and gray clay, silty
cohesive, silty, silty
Visible clay.

TRAVEL NOTES: 11111111 ON SITE



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:	CB @ 7'	Date Sampled:	03-03-94
Laboratory Number:	6940	Date Received:	03-03-94
Sample Matrix:	Soil	Date Analyzed:	03-04-94
Preservative:	Cool	Date Reported:	03-04-94
Condition:	Cool & Intact	Analysis Needed:	TPH

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

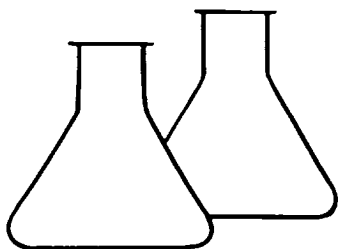
ND = Parameter not detected at the stated detection limit.
N/A = Not applicable

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

Comments: Texas National GC #1 Abandoned Blow Pit C4530

Tony Tristano
Analyst

Marvin 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:	#3 @ 6' (South Wall)	Date Reported:	03-04-94
Laboratory Number:	6941	Date Sampled:	03-03-94
Sample Matrix:	Soil	Date Received:	03-03-94
Preservative:	Cool	Date Extracted:	03-04-94
Condition:	Cool & Intact	Date Analyzed:	03-04-94
		Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	ND	19.8
Toluene	242	19.8
Ethylbenzene	319	19.8
p,m-Xylene	3,350	39.5
o-Xylene	3,850	19.8

SURROGATE RECOVERIES:	Parameter	Percent Recovery
	Trifluorotoluene	102 %
	Bromofluorobenzene	101 %

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

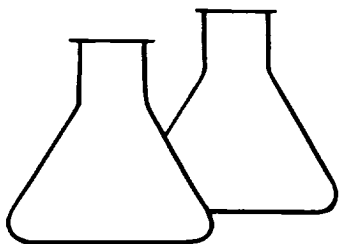
Method 8020, Aromatic Volatile Organics, Test Methods
for Evaluating Solid Waste, SW-846, USEPA, Sept. 1986.

ND - Parameter not detected at the stated detection limit.

Comments: Texas National GC #1 Abandoned Blow Pit C4530

Deni L. Ajemco
Analyst

Maria D. Young
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:	#3 @ 6' (S Wall)	Date Sampled:	03-03-94
Laboratory Number:	6941	Date Received:	03-03-94
Sample Matrix:	Soil	Date Analyzed:	03-04-94
Preservative:	Cool	Date Reported:	03-04-94
Condition:	Cool & Intact	Analysis Needed:	TPH

Parameter -----	Concentration (mg/kg) -----	Det. Limit (mg/kg) -----
Total Petroleum Hydrocarbons	71	15.0

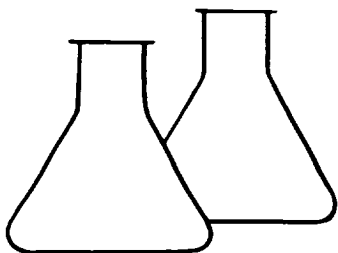
ND = Parameter not detected at the stated detection limit.
N/A = Not applicable

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

Comments: Texas National GC #1 Abandoned Blow Pit C4530

Tony Tristano
Analyst

Marin S. 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:	Pit Water @ 7'	Date Reported:	03-04-94
Laboratory Number:	6942	Date Sampled:	03-03-94
Sample Matrix:	Water	Date Received:	03-03-94
Preservative:	HgCl and Cool	Date Analyzed:	03-04-94
Condition:	Cool and Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/L)	Det. Limit (ug/L)
Benzene	5.6	0.2
Toluene	60	0.2
Ethylbenzene	21.2	0.2
p,m-Xylene	142	0.4
o-Xylene	84	0.2

SURROGATE RECOVERIES:	Parameter	Percent Recovery
	Trifluorotoluene	98 %
	Bromofluorobenzene	102 %

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

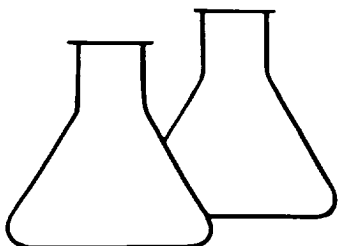
Method 8020, Aromatic Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept. 1986

ND - Parameter not detected at the stated detection limit.

Comments: Texas National GC #1 Abandoned Blow Pit C4530

Kevin L. Reimer
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:	2 @ GW	Date Reported:	03-16-94
Laboratory Number:	7057	Date Sampled:	03-15-94
Sample Matrix:	Water	Date Received:	03-15-94
Preservative:	HgCl and Cool	Date Analyzed:	03-15-94
Condition:	Cool and Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/L)	Det. Limit (ug/L)
Benzene	ND	0.2
Toluene	1.3	0.4
Ethylbenzene	ND	0.2
p,m-Xylene	1.6	0.3
o-Xylene	11.0	0.3

SURROGATE RECOVERIES:	Parameter	Percent Recovery
	Trifluorotoluene	100 %
	Bromofluorobenzene	102 %

Method: Method 5030A, 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: Texas National GC #1 Abandoned Blow Pit C4530

Kevin L. Gibson
Analyst

Mavis D. Young
Review

CLIENT: AMOCOBLAGG ENGINEERING, INC.
P.O. BOX 87, BLOOMFIELD, NM 87413
(505) 632-1199LOCATION NO: C4530C.D.C. NO: 5608

FIELD REPORT: LANDFARM/COMPOST PILE CLOSURE VERIFICATION

LOCATION: NAME: TEXAS NATIONAL GC WELL # / PITS: ABANDONED BLOWDATE STARTED: 11/22/97QUAD/UNIT: K SEC: 19 TWP: 29N RNG: 9W PM: NM CNTY: ST ST: NM

DATE FINISHED: _____

DTP FOOTAGE: NE 1/4 SW 1/4 CONTRACTOR: P & SENVIRONMENTAL
SPECIALIST: NU

SOIL REMEDIATION:

REMEDICATION SYSTEM: LANDFARM

APPROX. CUBIC YARDAGE: _____

LAND USE: RANGELIFT DEPTH (ft): NA

FIELD NOTES & REMARKS:

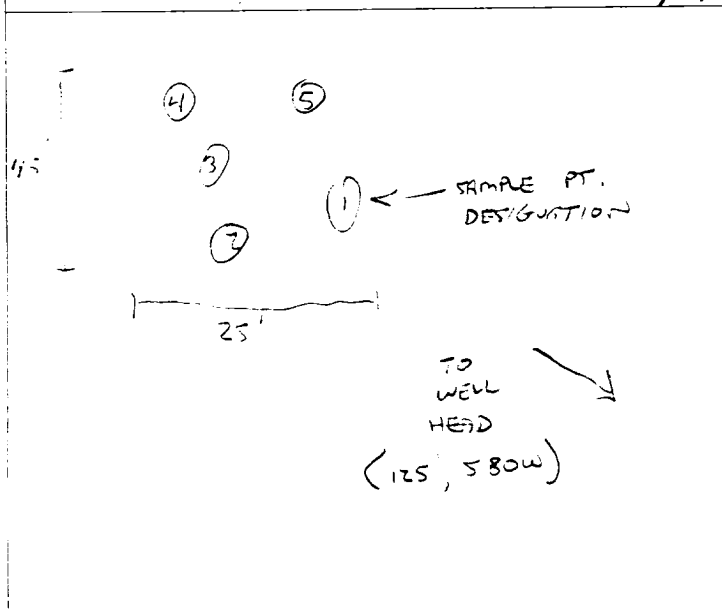
DEPTH TO GROUNDWATER: <50' NEAREST WATER SOURCE: >1000' NEAREST SURFACE WATER: >1000'NMOCDF RAINING SCORE: 20 NMOCDF TPH CLOSURE STD: 100 PPM

NO ACTUAL LANDFARM OBSERVED ON LOCATION, COLLECTED SAMPLES w/ HAND AUGER @ DEPTHS RANGING FROM 6" - 18" BELOW GRADE, SOIL MOSTLY DR. YELL. BROWN SAND, SLIGHTLY MOIST TO MOIST FIRM, NO HC ODR OR DISCOLORATION OBSERVED WITHIN ANY OF THE SAMPLE PTS, COLLECTED 5 PT. COMPOSITE FOR LAB ANALYSIS.

FIELD 418.1 CALCULATIONS

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

SKETCH/SAMPLE LOCATIONS



OVM RESULTS

LAB SAMPLES

SAMPLE ID	FIELD HEADSPACE PID (ppm)	SAMPLE ID	ANALYSIS	TIME	RESULTS
LF-1	0.0	LF-1	TPH (8015)	1230	ND

SCALE

0 FT

TRAVEL NOTES:

CALLOUT: NAONSITE: 11/22/97

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

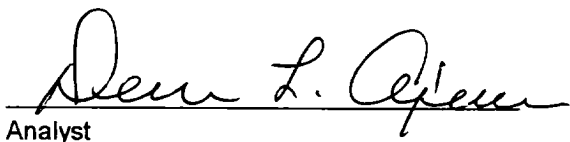
Client:	Blagg / AMOCO	Project #:	04034-10
Sample ID:	LF - 1	Date Reported:	11-26-97
Laboratory Number:	C565	Date Sampled:	11-22-97
Chain of Custody No:	5608	Date Received:	11-24-97
Sample Matrix:	Soil	Date Extracted:	11-24-97
Preservative:	Cool	Date Analyzed:	11-25-97
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

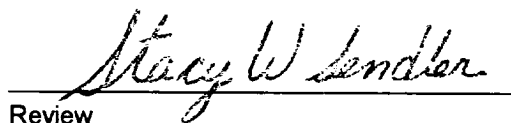
Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	ND	0.2
Diesel Range (C10 - C28)	ND	0.1
Total Petroleum Hydrocarbons	ND	0.2

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: **Texas National GC #1 Landfarm. 5 Pt. Composite.**


Analyst


Review

