

District I
P.O. Box 1940, Farmington, NM 87401
District II
P.O. Box 1940, Farmington, NM 87401
District III
P.O. Box 1940, Farmington, NM 87401
DEPUTY OIL & GAS INSPECTOR
MAY 10 1999

State of New Mexico
Energy, Minerals and Natural Resources Department
OIL CONSERVATION DIVISION
P.O. Box 2088
Santa Fe, New Mexico 87504-2088

4288
SUBMIT 1 COPY TO
APPROPRIATE
DISTRICT OFFICE
AND 1 COPY TO
SANTA FE OFFICE

RECEIVED
FEB 17 1999

PIT REMEDIATION AND CLOSURE REPORT

Operator: Amoco Production Company Telephone: (505) - 326-9200
Address: 200 Amoco Court, Farmington, New Mexico 87401
Facility Or: ARMENTA GC A #1
Well Name
Location: Unit or Qtr/Qtr Sec D Sec 27 T 29 N R 10 W County SAN JUAN
Pit Type: Separator Dehydrator Other BLOW
Land Type: BLM, State, Fee, Other

Pit Location: Pit dimensions: length 30', width 50', depth 12'
(attach diagram) Reference: wellhead X, other
Footage from reference: 10 YDS.
Direction from reference: 0 Degrees East North
of West South X

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) 20
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) 10
lakes, ponds, rivers, streams, creeks,
irrigation canals and ditches) Greater than 1000 feet (0 points)

RANKING SCORE (TOTAL POINTS): 30

Date Remediation Started: _____ Date Completed: 10/1/93

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

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

General Description Of Remedial Action: _____
Excavation

Ground Water Encountered: No _____ Yes ☒ Depth 11'

Final Pit:

Closure Sampling:

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

Sample location see Attached Documents

Sample depth 11'

Sample date 9/30/98 Sample time 1015

Sample Results

Benzene(ppm) _____

Total BTEX(ppm) _____

Field headspace(ppm) _____

TPH _____

Ground Water Sample: Yes ☒ No _____ (If yes, attach sample results)

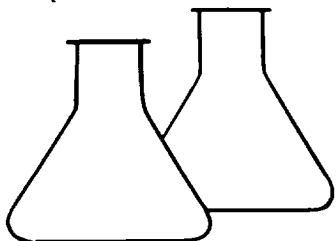
I HEREBY CERTIFY THAT THE INFORMATION ABOVE IS TRUE AND COMPLETE TO THE BEST OF MY KNOWLEDGE AND BELIEF

DATE 7/19/98

SIGNATURE B. Shaw

PRINTED NAME
AND TITLE

Buddy D. Shaw
ENVIRONMENTAL COORDINATOR



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:	B @ 11'	Date Reported:	10-01-93
Laboratory Number:	6211	Date Sampled:	09-30-93
Sample Matrix:	Water	Date Received:	09-30-93
Preservative:	HgCl and Cool	Date Analyzed:	10-01-93
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	5.1	0.3
o-Xylene	6.9	0.2

SURROGATE RECOVERIES:	Parameter	Percent Recovery
	Trifluorotoluene	103 %
	Bromofluorobenzene	105 %

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: Armenta Gas Com A #1 Blow Pit C4288

Kevin L. Spencer
Analyst

Morris D. Young
Review

CHAIN OF CUSTODY RECORD

[illegible]**ENVIROTECH INC.**

5796 U.S. Highway 64-3014

Farmington, New Mexico 87401

(505) 632-0615

RESULTS TO P.V. 5-9-95 PEO

CLIENT: <u>AMOCO</u>	BLAGG ENGINEERING, INC. P.O. BOX 87, BLOOMFIELD, NM 87413 (505) 632-1199	LOCATION NO: <u>80282</u> C.D.C. NO: <u> </u>
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FIELD REPORT: LANDFARM/COMPOST PILE CLOSURE VERIFICATION
BY: Houley to west

LOCATION: NAME: <u>ARMENTA GC A WELL #1</u> PITS: <u>—</u>	DATE STARTED: <u>5-9-95</u>
QUAD/UNIT: <u>D</u> SEC: <u>27</u> TWP: <u>29N</u> RNG: <u>10W</u> BM: <u>NM</u> CNTY: <u>SJ</u> ST: <u>NM</u>	DATE FINISHED: <u> </u>
QTR/FOOTAGE: <u>NW/NW</u> CONTRACTOR: <u>PAUL + SONS</u>	ENVIRONMENTAL SPECIALIST: <u>PEO</u>

SOIL REMEDIATION:	W: <u>125 x 5 x 10</u> E: <u>100 x 5 x 10</u>
REMEDIATION SYSTEM: <u>STOCKPILE - COMPOSTED</u>	APPROX. CUBIC YARDAGE: <u>600</u>
LAND USE: <u>FARMING</u>	LEASE: <u>PRIVATE</u>

FIELD NOTES & REMARKS:
DEPTH TO GROUNDWATER: <50' NEAREST WATER SOURCE: ~250' HOME NEAREST SURFACE WATER: ~500' SAN JUAN RIVER
NMOC RANKING SCORE: 40 NMOC TPH CLOSURE STD: 100 PPM

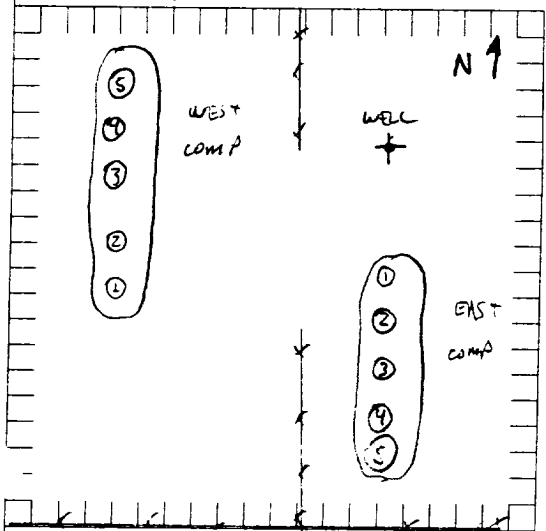
COLLECT 5-POINT COMPOSITE SAMPLES FROM EACH STOCKPILE.

CLOSE PILES

FIELD 418.1 CALCULATIONS

SAMPLE ID	LAB No:	WEIGHT (g)	mL. FREON	DILUTION	READING	CALC. ppm
WEST COMP	1498	10.0	20.0	—	7	14
EAST COMP	1499	10.0	20.0		4	8

SKETCH/SAMPLE LOCATIONS



OVM RESULTS

SAMPLE ID	FIELD HEADSPACE PID (ppm)
WEST COMP	2
EAST COMP	2

LAB SAMPLES

SAMPLE ID	ANALYSIS

TRAVEL NOTES: CALLOUT: 5-8-95 ONSITE: 5-9-95 1020

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:	West Stockpile Composite	Date Analyzed:	5-9-95
Project Location:	Armenta GC A 1	Date Reported:	5-9-95
Laboratory Number:	TPH-1498	Sample Matrix:	Soil

Parameter -----	Result, mg/kg -----	Detection Limit, mg/kg -----
Total Recoverable Petroleum Hydrocarbons	14	10

ND = Not Detectable at stated detection limits.

QA/QC:	QA/QC Sample TPH mg/kg -----	Duplicate TPH mg/kg -----	% *Diff. -----
	2,596	2,588	0

*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: Compost Pile - C4288 / B0282

R. E. O'Neil
Analyst

Mikhael V. J.
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:	East Stockpile Composite	Date Analyzed:	5-9-95
Project Location:	Armenta GC A 1	Date Reported:	5-9-95
Laboratory Number:	TPH-1499	Sample Matrix:	Soil

Parameter	Result, mg/kg	Detection Limit, mg/kg
-----	-----	-----
Total Recoverable Petroleum Hydrocarbons	ND	10

ND = Not Detectable at stated detection limits.

QA/QC:	QA/QC Sample TPH mg/kg	Duplicate TPH mg/kg	% *Diff.
	-----	-----	-----
	2,596	2,588	0

*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: Compost Pile - C4288 / B0282

R. E. O'Neill
Analyst

Nelson Telf
Review