

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 87504-2088

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

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OCT - 4 1999

PIT REMEDIATION AND CLOSURE REPORT

Denied 12/9/96 LF

CON. DIV.
DIST. 3

Operator: Amoco Production Company Telephone: (505) 326-9200
Address: 200 Amoco Court, Farmington, New Mexico 87401
Facility Or: VCU #19
Well Name
Location: Unit or Qtr/Qtr Sec P Sec 25 T 23N R 4W County RIO ARRIERA
Pit Type: Separator Dehydrator Other Blow
Land Type: BLM ☒, State , Fee , Other UNIT AGMT.

Pit Location: Pit dimensions: length 22', width 30', depth 3'
(Attach diagram) Reference: wellhead ☒, other
Footage from reference: 205'
Direction from reference: 0 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) 0

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) 0
No (0 points)

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) 0
Greater than 1000 feet (0 points)

RANKING SCORE (TOTAL POINTS): 0

Date Remediation Started: _____

Date Completed: 9/29/94

Remediation Method: Excavation ☒
(Check all appropriate sections)

Approx. cubic yards 73

Landfarmed ☒

Insitu Bioremediation _____

Other _____

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

General Description Of Remedial Action: _____

Excavation BELOW BOTTOM

Ground Water Encountered: _____

No ☒

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 3' (NORTH SIDEWALK)

Sample date 9/22/94

Sample time 1300

Sample Results

Benzene(ppm) _____

Total BTEX(ppm) _____

Field headspace(ppm) 12.7

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 9/29/94

SIGNATURE

B. Shaw

PRINTED NAME
AND TITLE

Buddy D. Shaw
Environmental Coordinator

PIT NO: A0114

C.D.C. NO: 3937

FIELD REPORT: CLOSURE VERIFICATION

JOB No: 92140

PAGE No: 1 of 1

LOCATION: NAME: VALENCIA CANYON UNIT WELL #: 19 PIT: Blow

DATE STARTED: 9/22/94

QUAD/UNIT: P SEC: 25 TWP: 28N RNG: 4W BM: NMPM CNTY: RA ST: NM

DATE FINISHED: 9/22/94

QTR/FOOTAGE: CONTRACTOR: Carol Johnson

ENVIRONMENTAL SPECIALIST: *Rm4*

SOIL REMEDIATION: EXCAVATION APPROX. 22' FT. x 30' FT. x 3 FT. DEEP.

DISPOSAL FACILITY: On-Site Landfarm CUBIC YARDAGE: 73

LAND USE: Carson Forest LEASE: Fed Lease # NM-014919

FIELD NOTES & REMARKS: PIT LOCATED APPROXIMATELY 205 FEET 50° E FROM WELLHEAD.

DEPTH TO GROUNDWATER: >100' NEAREST WATER SOURCE: >1000' NEAREST SURFACE WATER: >1000'

NMOC Ranking Score: 0 NMOC TPH Closure Std: 5000 ppm

SOIL AND EXCAVATION DESCRIPTION: Rain water has collected to 4" deep in bottom of entire pit (No Sheen present)
Competent Sandstone is the major lithological component of the South and East walls.
The bottom of the pit is un-sampleable due to the Rain-water.
The bottom of the pit is suspected to be Competent Sandstone.

10/3/44 Recommended closure to CAROL VAUGHAN

FIELD 418.1 CALCULATIONS

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

SCALE

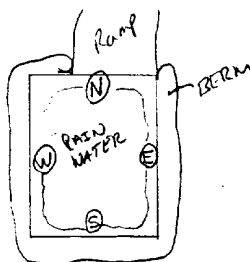


0 10 20 FEET

PIT PERIMETER

OVM RESULTS

PIT PROFILE

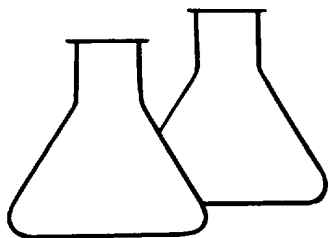
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3'-3' North and West walls
Clayey shale, ^{olive} green, FIRM,
COHESIVE, PLUG-SS.
No hydrocarbon odor,
No visible discoloration

TRAVEL NOTES:

CALLOUT:

CNS. 7E



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:	N @ 3'	Date Sampled:	09-26-94
Laboratory Number:	7915	Date Received:	09-26-94
Chain of Custody #	3937	Date Analyzed:	09-29-94
Sample Matrix:	Soil	Date Reported:	09-29-94
Preservative:	Cool	Analysis Needed:	TPH
Condition:	Cool and Intact		

Parameter -----	Concentration (mg/kg) -----	Det. Limit (mg/kg) -----
Total Petroleum Hydrocarbons	24	10.0

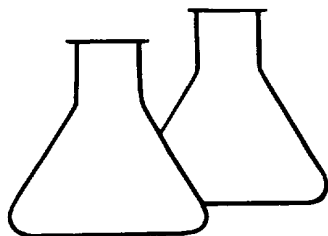
ND = Parameter not detected at the stated detection limit.
N/A = Not applicable

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

Comments: Valencia Canyon Unit # 19 Blow Pit A0114
analysis performed with GAC TPH unit

Ray R. Griffin
Analyst

Morris S. Young
Review



ENVIROTECH LABS

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

RAINWATER

EPA METHOD 8020 AROMATIC VOLATILE ORGANICS

Client:	Amoco	Project #:	92140
Sample ID:	Pit Water # 19	Date Reported:	09-27-94
Laboratory Number:	7912BTEX.	Date Sampled:	09-23-94
Sample Matrix:	Water	Date Received:	09-23-94
Preservative:	HgCl and Cool	Date Analyzed:	09-23-94
Condition:	Cool and Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/L)	Det. Limit (ug/L)
Benzene	ND	0.2
oluene	ND	0.7
thylbenzene	ND	0.2
p,m-Xylene	ND	3.0
o-Xylene	ND	7.5

SURROGATE RECOVERIES:	Parameter	Percent Recovery
	Trifluorotoluene	101 %
	Bromofluorobenzene	96 %

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: Valencia Canyon Unit # 19 Blow Pit A0114

Rex D. Huffer
Analyst

Margaret Young
Review

CLIENT: AMOCOBLAGG ENGINEERING, INC.
P.O. BOX 87, BLOOMFIELD, NM 87413
(505) 632-1199LOCATION NO: A0114

C.D.C. NO: _____

FIELD REPORT: LANDFARM/COMPOST PILE CLOSURE VERIFICATION

LOCATION: NAME: VCU WELL #: 19 PITS: BLOW DATE STARTED: 11-18-97
QUAD/UNIT: P SEC: 25 TWP: 28N RNG: 4W PM: NM CNTY: RA ST: NM DATE FINISHED: _____
QTP/FOOTAGE: _____ CONTRACTOR: _____ ENVIRONMENTAL SPECIALIST: PCB

SOIL REMEDIATION:

REMEDICATION SYSTEM: LANDFARMAPPROX. CUBIC YARDAGE: 73LAND USE: RANGE

LIFT DEPTH (ft): _____

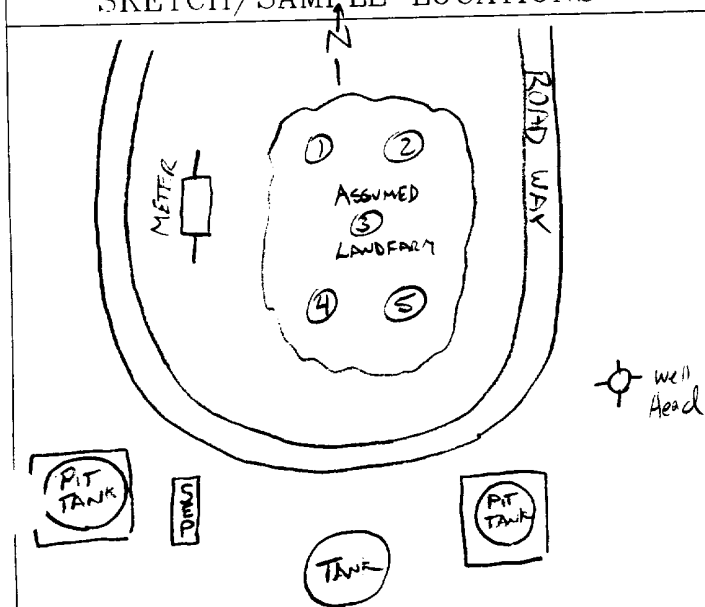
FIELD NOTES & REMARKS:

DEPTH TO GROUNDWATER: >100 NEAREST WATER SOURCE: >1000 NEAREST SURFACE WATER: >1000NMDCD RANKING SCORE: 0 NMDCD TPH CLOSURE STD: 5000 PPM

FIELD 418.1 CALCULATIONS

SAMP. TIME	SAMPLE I.D.	LAB No:	WEIGHT (g)	mL. FREON	DILUTION	READING	CALC. ppm
1020	LF-1	1941	5.0	20.0	4x	51	204

SKETCH/SAMPLE LOCATIONS



OVM RESULTS

LAB SAMPLES

SAMPLE ID	FIELD HEADSPACE PID (ppm)	SAMPLE ID	ANALYSIS	TIME	RESULTS
LF-1	0.0				

SCALE

0 FT

TRAVEL NOTES:

CALLOUT: _____

ONSITE: _____

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
Sample ID: Landfarm
Project Location: VCU # 19
Laboratory Number: TPH-1941

Project #:
Date Analyzed: 11-19-97
Date Reported: 11-19-97
Sample Matrix: Soil

Parameter	Result, mg/kg	Detection Limit, mg/kg
-----	-----	-----
Total Recoverable Petroleum Hydrocarbons	200	20

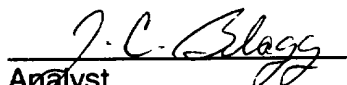
ND = Not Detectable at stated detection limits.

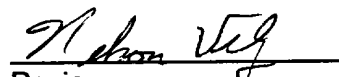
QA/QC:	QA/QC Sample TPH mg/kg	Duplicate TPH mg/kg	% *Diff.
	-----	-----	-----
	608	568	6.80

*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: Landfarm Composite Sample


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
Sample ID: Landfarm
Project Location: VCU # 19
Laboratory Number: TPH-1941

Project #:
Date Analyzed: 11-19-97
Date Reported: 11-19-97
Sample Matrix: Soil

Sample Weight: 5.00 grams
Volume Freon: 20.00 mL
Dilution Factor: 1 (unitless)
TPH Reading: 51 mg/kg

TPH Result: 204.0 mg/kg
Reported TPH Result: 200 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.
	-----	-----	-----
	608	568	6.80

Comments: *****Max Characters*****

Comments: Landfarm Composite Sample