

OK 85408

SUBMIT 1 COPY TO
NATURAL RESOURCE DEPT
AND OIL AND GAS ADMINISTRATION

**JICARILLA APACHE TRIBE
ENVIRONMENTAL PROTECTION OFFICE
P.O. BOX 507
DULCE, NEW MEXICO 87528**

RECEIVED
AUG 09 1999

OIL CON. DIV.
DIST. 3

PIT REMEDIATION AND CLOSURE REPORT

Operator: AMOCO PRODUCTION COMPANY **Telephone:** (505) 326-9200
Address: 200 Amoco Court, Farmington, NM 87401
Facility or Well Name: JICARILLA APACHE 102 # 23
Location: Unit or Qtr/Qtr Sec D Sec 3 T 26N R 4W County RIO ARriba
Pit Type: Separator Dehydrator Other BLOW
Land Type: RANGE

Pit Location: Pit dimensions: length 15', width 15', depth 6'
(Attach diagram)
Reference: wellhead X, other
Footage from reference: 125
Direction from reference: 40 Degrees East of North
X West of South X

Depth To Groundwater: (Vertical distance from contaminants to seasonal high water elevation of groundwater)	Less than 50 feet (20 points) 50 feet to 99 feet (10 points) Greater than 100 feet (0 points)	<u>0</u>
Distance to an Ephemeral Stream (Downgradient dry wash greater than ten feet in width)	Less than 100 feet (10 points) Greater than 100 feet (0 points)	<u>0</u>
Distance to Nearest Lake, Playa, or Watering Pond (Downgradient lakes, playas and livestock or wildlife watering ponds)	Less than 100 feet (10 points) Greater than 100 feet (0 points)	<u>0</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) 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 100 feet (20 points) 100 feet to 1000 feet (10 points) Greater than 1000 feet (0 points)	<u>0</u>

RANKING SCORE (TOTAL POINTS): 0

Date Remediation Started: _____ Date Completed: 8-14-96

Remediation Method: Excavation X Approx. cubic yards 30
 (check all appropriate sections) Landfarmed X Insitu Bioremediation _____
 Other _____

Remediation Location: Onsite X Offsite _____
 (i.e. landfarmed onsite, name and location of offsite facility)

General Description of Remedial Action: Excavation

Groundwater Encountered: No X Yes _____ Depth _____

Final Pit: Sample location see Attached Documents
 Closure Sampling: MULTIPLE SAMPLES
 (if multiple samples, attach sample results and diagram of sample locations and depths)

Sample depth _____

Sample date 8-14-96 Sample time _____

Sample Results

Soil: Benzene	(ppm)	<u>ND</u>	Water: Benzene	(ppb)	_____
Total BTEX	(ppm)	<u>0.098</u>	Toluene	(ppb)	_____
Field Headspace	(ppm)	<u>233 w/o 4'</u>	Ethylbenzene	(ppb)	_____
TPH	(ppm)	<u>48 1807'</u>	Total Xylenes	(ppb)	_____

Groundwater 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 8-20-96 PRINTED NAME Buddy D. Shaw
 SIGNATURE Buddy D. Shaw AND TITLE Environmental Coordinator

AFTER REVIEW OF THE PIT CLOSURE INFORMATION, PIT CLOSURE IS APPROVED IN ACCORDANCE TO THE JICARILLA APACHE TRIBE PIT CLOSURE ORDINANCE.

APPROVED: YES X NO _____ (REASON) _____

SIGNED: [Signature] DATE: 8-21-96

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:	Center Bottom @ 7'	Date Analyzed:	8-14-96
Project Location:	Jicarilla Apache 102 # 23	Date Reported:	8-15-96
Laboratory Number:	TPH #1787	Sample Matrix:	Soil

Parameter -----	Result, mg/kg -----	Detection Limit, mg/kg -----
Total Recoverable Petroleum Hydrocarbons	48	10

ND = Not Detectable at stated detection limits.

QA/QC:	QA/QC Sample TPH mg/kg -----	Duplicate TPH mg/kg -----	% *Diff. -----
	1,420	1,344	5

*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: Blow Pit - BJ408

R. E. O'Neil
Analyst

Nelson T. [Signature] 11/4/96
Review

VOLATILE AROMATIC HYDROCARBONS

Blagg Engineering, Inc.

Project ID:	Jicarilla Apache 102-23	Report Date:	08/16/96
Sample ID:	W. Side @ 4'	Date Sampled:	08/14/96
Lab ID:	4731	Date Received:	08/15/96
Sample Matrix:	Soil	Date Extracted:	08/16/96
Preservative:	Cool	Date Analyzed:	08/16/96
Condition:	Intact		

Target Analyte	Concentration (ug/kg)	Detection Limit (ug/kg)
Benzene	ND	17.1
Toluene	ND	17.1
Ethylbenzene	ND	17.1
m,p-Xylenes	62.0	34.2
o-Xylene	36.2	17.1

ND - Analyte not detected at the stated detection limit.

Quality Control:	<u>Surrogate</u>	<u>Percent Recovery</u>	<u>Acceptance Limits</u>
	Trifluorotoluene	102	81 -117%
	Bromofluorobenzen	103	74 -121%

Reference: Method 5030, Purge and Trap; Method 8020, Aromatic Volatile Organics;
 Test Methods for Evaluating Solid Wastes, SW-846, United States
 Environmental Protection Agency, Final Update I, July, 1992.

Comments:



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:

Center Bottom @ 7'

Date Analyzed:

8-14-96

Project Location:

Jicarilla Apache 102 # 23

Date Reported:

8-15-96

Laboratory Number:

TPH #1787

Sample Matrix:

Soil

Sample Weight:

10.00 grams

Volume Freon:

20.00 mL

Dilution Factor:

1 (unitless)

TPH Reading:

24 mg/kg

TPH Result:

48.0 mg/kg

Reported TPH Result:

48.0 mg/kg

Actual Detection Limit:

10.0 mg/kg

Reported Detection Limit

10 mg/kg

QA/QC:

Original
TPH mg/kg

Duplicate
TPH mg/kg

%
Diff.

1420

1344

5

Comments:

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

Comments:

Blow Pit - BJ408

JICARILLA APACHE TRIBE
ENVIRONMENTAL PROTECTION OFFICE
P.O. BOX 507
DULCE, NEW MEXICO 87528

SUBMIT 1 COPY TO
NATURAL RESOURCE DEPT
AND OIL & GAS ADMINISTRATION

ON-SITE SOIL REMEDIATION REPORT

Operator: <u>AMOCO PRODUCTION COMPANY</u> Telephone: <u>(505) 326-9200</u>	
Address: <u>200 Amoco Court, Farmington, NM 87401</u>	
Facility or Well Name: <u>JICARILLA APACHE 102 - 23</u>	
Location: Unit or Qtr/Qtr Sec <u>D</u> Sec <u>3</u> T <u>26N</u> R <u>4W</u> County <u>RIO ARriba</u>	
Land Type: <u>RANGE</u>	
Date Remediation Started: <u>8-14-96</u> Date Completed: <u>2/22/99</u>	
Remediation Method: Landfarmed ☒ Approx. cubic yards <u>30</u>	
Composted ☐	
Other ☐	
Depth To Groundwater: (pts.) <u>0</u>	Final Closure Sampling: Sampling Date: <u>2-18-99</u> Time: <u>1230</u> Sample Results: Field Headspace (ppm) <u>68.5</u> TPH (ppm) <u>2,330</u> Method <u>8015</u> Other ☐
Distance to an Ephemeral Stream (pts.) <u>0</u>	
Distance to Nearest Lake, Playa, or Watering Pond (pts.) <u>0</u>	
Wellhead Protection Area: (pts.) <u>0</u>	
Distance To Surface Water: (pts.) <u>0</u>	
RANKING SCORE (TOTAL POINTS): <u>0</u>	
I HEREBY CERTIFY THAT THE INFORMATION ABOVE IS TRUE AND COMPLETE TO THE BEST OF MY KNOWLEDGE AND BELIEF	
DATE <u>2/22/99</u>	PRINTED NAME <u>Buddy D. Shaw</u>
SIGNATURE <u>Buddy D. Shaw</u>	AND TITLE <u>Environmental Coordinator</u>
AFTER REVIEW OF THE SOIL REMEDIATION INFORMATION, ON-SITE REMEDIATION IS APPROVED IN ACCORDANCE TO THE JICARILLA APACHE TRIBE PIT CLOSURE ORDINANCE.	
APPROVED: YES ☒ NO ☐ (REASON) _____	
SIGNED: <u>Kent M. [Signature]</u> DATE: <u>3-31-99</u>	

CLIENT: AMOCOBLAGG ENGINEERING, INC.
P.O. BOX 87, BLOOMFIELD, NM 87413
(505) 632-1199LOCATION NO: BJ408C.D.C. NO: 6573

FIELD REPORT: LANDFARM/COMPOST PILE CLOSURE VERIFICATION

LOCATION: NAME: SIZABILLA APACHE WELL #: 23 PITS: BLOW
102
QUAD/UNIT: 0 SEC: 3 TWP: 26N RNG: 4W PM: NM CNTY: RA ST: NM
QTR/FOOTAGE: NW/4 NW/4 CONTRACTOR: P+SDATE STARTED: 2.18.99
DATE FINISHED: _____ENVIRONMENTAL
SPECIALIST: REP

SOIL REMEDIATION:

REMEDIATION SYSTEM: LANDFARMAPPROX. CUBIC YARDAGE: 30LAND USE: RANGELIFT DEPTH (ft): 0.5"

FIELD NOTES & REMARKS:

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

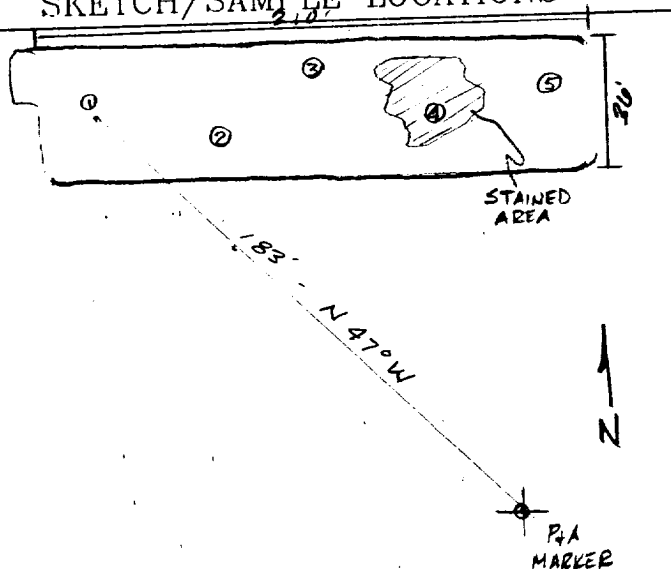
DK. YELLOWISH BROWN SAND, NON COHESIVE, SLIGHTLY MOIST, FIRM
SMALL AREA OF STAINING OBSERVED IN LANDFARM (SEE SKETCH BELOW)
HC ODOR IN SAMPLING POINTS ②, ③ + ④. SAMPLING DEPTH 6". TOOK A
5 PT COMPOSITE SAMPLE FOR LAB ANALYSIS

CLOSED

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	68.5	LF-1	TPH (8015)	1230	2,330

SCALE

0 FT

TRAVEL NOTES:

CALLOUT: N/AONSITE: 2.18.99

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

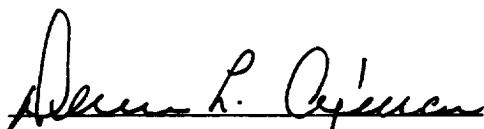
Client:	Blagg / AMOCO	Project #:	403410
Sample ID:	LF - 1	Date Reported:	02-22-99
Laboratory Number:	E685	Date Sampled:	02-18-99
Chain of Custody No:	6573	Date Received:	02-19-99
Sample Matrix:	Soil	Date Extracted:	02-19-99
Preservative:	Cool	Date Analyzed:	02-22-99
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	185	0.2
Diesel Range (C10 - C28)	2,150	0.1
Total Petroleum Hydrocarbons	2,330	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: Jicarilla Apache 102 - 23 Landfarm. 5 Pt. Composite.


Analyst


Review

6573

[illegible]