

Deanna L. Faust
DEPUTY OIL & GAS INSPECTOR

OCT 08 1999

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

8J568

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

OK

PIT REMEDIATION AND CLOSURE 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 CONTRACT 148-14</u>		
Location: Unit or Qtr/Qtr Sec <u>C</u> Sec <u>15</u> T <u>25N</u> R <u>5W</u> County <u>RIO ARriba</u>		
Pit Type: Separator ☐ Dehydrator ☐ Other <u>BLOW</u>		
Land Type: <u>RANGE</u>		
Pit Location: Pit dimensions: length <u>52'</u> , width <u>37'</u> , depth <u>4'</u> (Attach diagram) Reference: wellhead <u>X</u> , other _____ Footage from reference: <u>126'</u> Direction from reference: <u>25</u> Degrees <u>X</u> East North _____ West of South <u>X</u>		
Depth To Groundwater: (Vertical distance from contaminants to seasonal high water elevation of groundwater)	RECEIVED AUG 24 1999 CON. DIV. DIST. 3	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):		<u>0</u>

87568

BLOW PIT

Date Remediation Started: _____ Date Completed: 6/18/98

Remediation Method: Excavation ☒ Approx. cubic yards 200
check all appropriate sections: Landfarmed ☒ Insitu Bioremediation _____
Other _____

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

General Description of Remedial Action: Excavation. BEDROCK Bottom.

Groundwater Encountered: No ☒ Yes _____ Depth _____

Final Pit: Sample location see Attached Documents

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

Sample depth 2' (SOUTH SIDEWALK)

Sample date 6/18/98 Sample time 1120

Sample Results

Soil: Benzene (ppm)	_____	Water: Benzene (ppb)	_____
Total BTEX (ppm)	_____	Toluene (ppb)	_____
Field Headspace (ppm)	<u>0.0</u>	Ethylbenzene (ppb)	_____
TPH (ppm)	<u>ND</u>	Total Xylenes (ppb)	_____

Groundwater 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 6/18/98 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 ☒ NO _____ (REASON) _____

SIGNED: [Signature] DATE: 7-27-98

3003982337

CLIENT: <u>AMOCO</u>	BLAGG ENGINEERING, INC. P.O. BOX 87, BLOOMFIELD, NM 87413 (505) 632-1199	LOCATION NO: <u>BJ568</u> C.O.C. NO: _____
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FIELD REPORT: CLOSURE VERIFICATION		PAGE No: <u>1</u> of <u>1</u>
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LOCAT CN: NAME: <u>TICA CONTR. 148</u> WELL #: <u>14</u> PIT: <u>BLOW</u> QUAD/UNIT: <u>C</u> SEC: <u>15</u> TWP: <u>25N</u> RNG: <u>5W</u> PM: <u>NM</u> CNTY: <u>RA</u> ST: <u>NM</u> QTR/FOOTAGE: <u>1050' FWH</u> <u>1698' FWH</u> CONTRACTOR: <u>P+S</u>	DATE STARTED: <u>6/18/98</u> DATE FINISHED: _____ ENVIRONMENTAL SPECIALIST: <u>NV</u>
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EXCAVATION APPROX. <u>52</u> FT x <u>37</u> FT x <u>4</u> FT DEEP	CUBIC YARDAGE: <u>200</u>
DISPOSAL FACILITY: <u>ON-SITE</u>	REMEDIATION METHOD: <u>LANDFARM</u>
LAND USE: <u>RANGE</u>	LEASE: <u>TIC 148</u> FORMATION: <u>CK</u>

FIELD NOTES & REMARKS: PIT LOCATED APPROXIMATELY <u>126</u> FT. <u>S25E</u> FROM WELLHEAD.		
DEPTH TO GROUNDWATER: <u>>100'</u>	NEAREST WATER SOURCE: <u>>1000'</u>	NEAREST SURFACE WATER: <u>>1000'</u>
NMCCD RANKING SCORE: <u>0</u>	NMCCD TPH CLOSURE STD: <u>5000</u> PPM	

CHECK ONE :
☒ PIT ABANDONED
☐ STEEL TANK INSTALLED
☐ FIBERGLASS TANK INSTALLED

SOIL AND EXCAVATION DESCRIPTION:

SIDEWALLS - MOSTLY PALE YELL. ORANGE SAND, NON COHESIVE, SLIGHTLY MOIST, FIRM TO DENSE, NO APPARENT STAINING OR HC ODOR OBSERVED, NO APPARENT HC ODOR IN ANY OF THE OUM SAMPLES.

BOTTOM - BEDROCK (SANDSTONE), VERY HARD, HEAVILY STAINED (PAKEFFIN LIKE) IN AREA NOTED BELOW, HC ODOR DETECTED w/in OUM SAMPLE.

SCALE

0 FT

FIELD 418.1 CALCULATIONS

TIME	SAMPLE I.D.	LAB No:	WEIGHT (g)	mL. FREON	DILLUTION	READING	CALC. ppm
1120	<u>③ e 2'</u>	<u>TPH-1992</u>	<u>5</u>	<u>20</u>	<u>1:1</u>	<u>4</u>	<u>ND</u>

PIT PERIMETER ↗ N

148-13
BLOW
PIT

OVM RESULTS

SAMPLE ID	FIELD HEADSPACE PID (ppm)
1 e 2'	0.0
2 e 2'	0.0
3 e 2'	0.0
4 e 2'	0.0
5 e 4'	62.4

LAB SAMPLES

SAMPLE ID	ANALYSIS	TIME

PIT PROFILE

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:	3 @ 2'	Date Analyzed:	06-18-98
Project Location:	Jicarilla Contract 148 - 14	Date Reported:	06-18-98
Laboratory Number:	TPH-1992	Sample Matrix:	Soil

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

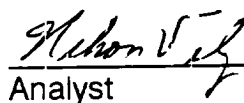
ND = Not Detectable at stated detection limits.

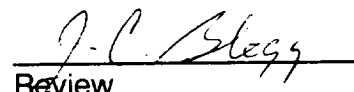
QA/QC:	QA/QC Sample TPH mg/kg	Duplicate TPH mg/kg	% *Diff.
	1684	1712	1.65

*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 - BJ568


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:

Sample ID:

Project Location:

Laboratory Number:

AMOCO

3 @ 2'

Jicarilla Contract 148 - 14

TPH-1992

Project #:

Date Analyzed:

Date Reported:

Sample Matrix:

06-18-98

06-18-98

Soil

Sample Weight: 5.00 grams
Volume Freon: 20.00 mL
Dilution Factor: 1 (unitless)
TPH Reading: 4 mg/kg

TPH Result: 16.0 mg/kg
Reported TPH Result: 16 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. ---
	1684	1712	1.65

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

Comments: Blow Pit - BJ568

BT568

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DULCE, NEW MEXICO 87528

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

ON-SITE SOIL REMEDIATION REPORT

Operator: AMOCO PRODUCTION COMPANY Telephone: (505) 326-9200
Address: 200 Amoco Court, Farmington, NM 87401
Facility or Well Name: SICARILLA CONTRACT 148-14
Location: Unit or Qtr/Qtr Sec 6 Sec 15 T 25N R 5W County RIO ARIZONA
Land Type: RANGE

Date Remediation Started: 3-2-98 Date Completed: 1-20-99
Remediation Method: Landfarmed ☒ Approx. cubic yards 710
Composted ☐
Other ☐

Distance To Groundwater: (pts.) 0
Distance to an Ephemeral Stream (pts.) 0
Distance to Nearest Lake, Playa, or Watering Pond (pts.) 0
Wellhead Protection Area: (pts.) 0
Distance To Surface Water: (pts.) 0

Final Closure Sampling:

Sampling Date: 1-18-99 Time: 1130
Sample Results:
Field Headspace (ppm) 0.0
TPH (ppm) 177 Method 8015
Other MULTIPLE SAMPLES - SEE ATTACHED

RANKING SCORE (TOTAL POINTS): 0

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

DATE 1/20/99 PRINTED NAME Buddy D. Shaw
SIGNATURE Buddy D. Shaw AND TITLE Environmental Coordinator

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: K. C. Ma DATE: 3-31-99

CLIENT: <u>AMOCO</u>	BLAGG ENGINEERING, INC. P.O. BOX 87, BLOOMFIELD, NM 87413 (505) 632-1199	LOCATION NO: <u>85508</u> C.D.C. NO: <u>6554</u>
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FIELD REPORT: LANDFARM/COMPOST PILE CLOSURE VERIFICATION

LOCATION: NAME: <u>JICARILLA CONTRACT 148 WELL #: 14</u>	PITS: <u>BLOW</u>	DATE STARTED: <u>1-18-99</u>
QUAD/UNIT: <u>C</u> SEC: <u>15</u> TWP: <u>25N</u> RNG: <u>5W</u> PM: <u>NM</u> CNTY: <u>RA</u> ST: <u>NM</u>		DATE FINISHED: <u>1-20-99</u>
DTP/FOOTAGE: <u>NE/4 NW/4</u>	CONTRACTOR: <u>P+S</u>	ENVIRONMENTAL SPECIALIST: <u>REP</u>

SOIL REMEDIATION:

REMEDICATION SYSTEM: LANDFARM

APPROX. CUBIC YARDAGE: 710

LAND USE: RANGE

LIFT DEPTH (ft): 1-1 1/2

FIELD NOTES & REMARKS:

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

NM011 RANKING SCORE: 0 N'000 TPH CLOSURE STD: 5000 PPM

DK. YELLOWISH ORANGE - BROWN SAND. NON COHESIVE, SLIGHTLY MOIST, FIRM
AREA OF STAINING OBSERVED IN LANDFARM AREA #1 + #2 (SEE SKETCH BELOW)
SLIGHT HC ODOR FROM SAMPLING POINTS, ①, ② + ④. SAMPLING DEPTHS RANGE FROM 0"-12"
TOOK SPT COMPOSITE SAMPLES FROM BOTH LANDFARM AREAS FOR LAB. ANALYSIS.

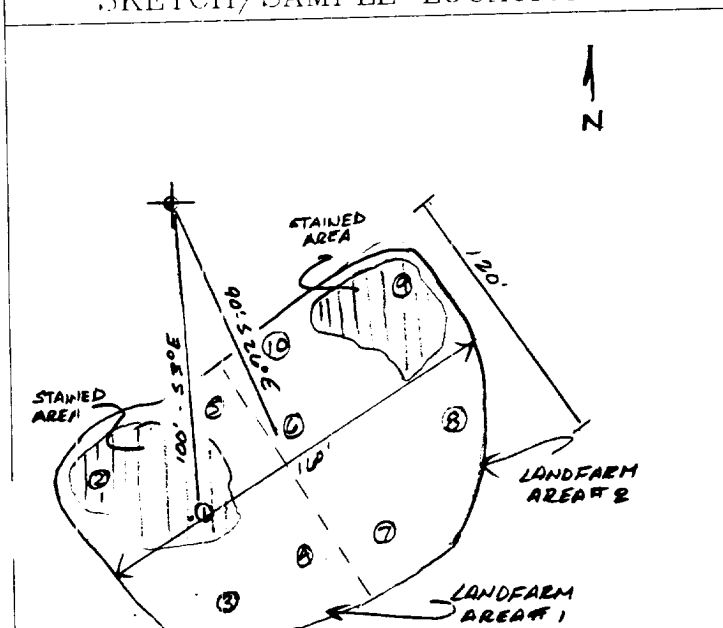
NOTE: THE SOIL WAS MOVED FROM THE JICARILLA CONTRACT 148-13 AND COMBINED WITH THE SOIL
AT THE 148-14. DISTANCE + BEARING WERE TAKEN FROM JIC. CONT 148-14 WELLHEAD.

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	0.0	LF-1	TPH (8015)	1130	177
LF-2	0.0	LF-2	" "	1155	12.0

SCALE

0 FT

TRAVEL NOTES:

CALLOUT: N/A

ONSITE: 1-18-99

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

Client: Blagg / AMOCO
Sample ID: LF - 1
Laboratory Number: E537
Chain of Custody No: 6554
Sample Matrix: Soil
Preservative: Cool
Condition: Cool and Intact

Project #: 04034-10
Date Reported: 01-20-99
Date Sampled: 01-18-99
Date Received: 01-19-99
Date Extracted: 01-20-99
Date Analyzed: 01-20-99
Analysis Requested: 8015 TPH

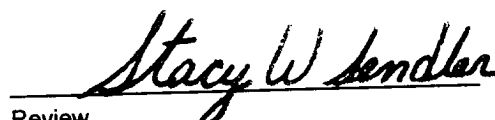
Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	5.3	0.2
Diesel Range (C10 - C28)	172	0.1
Total Petroleum Hydrocarbons	177	0.2

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 Contract 148 - 14 Landfarm. 5 Pt. Composite.


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

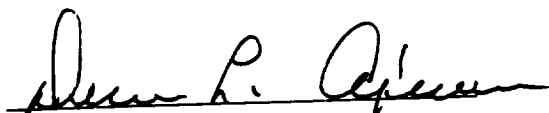
Client:	Blagg / AMOCO	Project #:	04034-10
Sample ID:	LF - 2	Date Reported:	01-20-99
Laboratory Number:	E538	Date Sampled:	01-18-99
Chain of Custody No:	6554	Date Received:	01-19-99
Sample Matrix:	Soil	Date Extracted:	01-20-99
Preservative:	Cool	Date Analyzed:	01-20-99
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

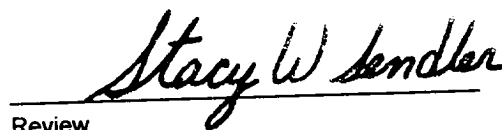
Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	0.6	0.2
Diesel Range (C10 - C28)	11.4	0.1
Total Petroleum Hydrocarbons	12.0	0.2

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 Contract 148 - 14 Landfarm. 5 Pt. Composite.


Analyst


Review

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