

*Henry B. Frost*  
DEPUTY CHIEF GAS INLANDER

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

87521

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

*Blow-OK*

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 CONTR. 148-41  
Location: Unit or Qtr/Qtr Sec J Sec 13 T 25N R 5W County RIO ARRIBA  
Pit Type: Separator      Dehydrator      Other BLOW  
Land Type: RANGE

Pit Location: Pit dimensions: length 39', width 35', depth 25'  
(Attach diagram) Reference: wellhead X, other       
Footage from reference: 100'  
Direction from reference: 53 Degrees      East of North X  
X West of South     

**Depth To Groundwater:**

(Vertical distance from  
contaminants to seasonal  
high water elevation of  
groundwater)

**RECEIVED**  
AUG 24 1999  
OIL CON. DIV.  
DIST. 3

Less than 50 feet	(20 points)	
50 feet to 99 feet	(10 points)	<u>0</u>
Greater than 100 feet	(0 points)	<u>    </u>

**Distance to an Ephemeral Stream**

(Downgradient dry wash greater than  
ten feet in width)

Less than 100 feet	(10 points)	<u>0</u>
Greater than 100 feet	(0 points)	<u>    </u>

**Distance to Nearest Lake, Playa, or Watering Pond**

(Downgradient lakes, playas and  
livestock or wildlife watering ponds)

Less than 100 feet	(10 points)	<u>0</u>
Greater than 100 feet	(0 points)	<u>    </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)	<u>0</u>
No	(0 points)	<u>    </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)	<u>0</u>
Greater than 1000 feet	(0 points)	<u>    </u>

RANKING SCORE (TOTAL POINTS): 0

Date Remediation Started: \_\_\_\_\_ Date Completed: 1/27/98

Remediation Method: Excavation ☒ Approx. cubic yards 900  
 (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

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 28'

Sample date 1/26/98 Sample time 1135

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>30.8</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 1/27/98 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: Kerr C Mamm DATE: 2-6-98

CLIENT: <u>AMOCO</u>	BLAGG ENGINEERING, INC. P.O. BOX 87, BLOOMFIELD, NM 87413 (505) 632-1199	LOCATION NO: <u>8J521</u> C.D.C. NO: <u>5712</u>
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FIELD REPORT: CLOSURE VERIFICATION	PAGE No: <u>1</u> of <u>1</u>
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LOCATION: NAME <u>JICA CONTR. 148</u> WELL #: <u>41</u> PIT: <u>BLOW</u> QUAD/UNIT: <u>J SEC 13</u> TWP: <u>25N</u> RNG: <u>5W</u> PM: <u>NM</u> CNTY: <u>RA</u> ST: <u>NM</u> STR/FOOTAGE <u>NW1/4 SE1/4</u> CONTRACTOR: <u>P+S</u>	DATE STARTED: <u>1/26/98</u> DATE FINISHED: _____ ENVIRONMENTAL SPECIALIST: <u>NV</u>
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EXCAVATION APPROX. <u>39</u> FT x <u>35</u> FT x <u>25</u> FT DEEP.	CUBIC YARDAGE: <u>900</u>
DISPOSAL FACILITY: <u>ON-SITE</u>	REMEDIALATION METHOD: <u>LANDFARMED</u>
LAND USE: <u>RANGE</u>	LEASE: <u>FED. #148</u> FORMATION: <u>DK</u>

FIELD NOTES & REMARKS: PIT LOCATED APPROXIMATELY <u>100</u> FT. <u>N53W</u> FROM WELLHEAD.	
DEPTH TO GROUNDWATER: <u>&gt;100'</u>	NEAREST WATER SOURCE: <u>&gt;1000'</u> NEAREST SURFACE WATER: <u>&gt;1000'</u>
NMOC RANKING SCOPE: <u>0</u>	NMOC TPH CLOSURE STD: <u>5000</u> PPM
SOIL AND EXCAVATION DESCRIPTION:	

CHECK ONE:	
<input checked="" type="checkbox"/>	PIT ABANDONED
<input type="checkbox"/>	STEEL TANK INSTALLED
<input type="checkbox"/>	FIBERGLASS TANK INSTALLED

MOSTLY MOD TO DK. YELL. BROWN SAND, NON COHESIVE, SLIGHTLY MOIST, FIRM,  
 NO APPARENT STAINING OR HC ODOR OBSERVED W/IN EXCAVATION, NO  
 APPARENT HC ODOR OBSERVED IN ANY OF THE OUM SAMPLES.

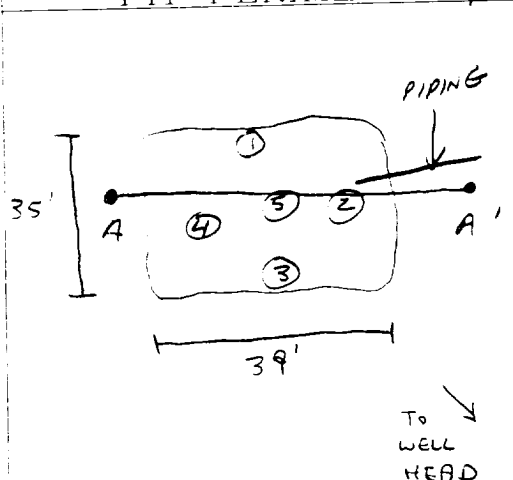
CLOSED

SCALE  
  
 0 FT

FIELD 418.1 CALCULATIONS

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

PIT PERIMETER 



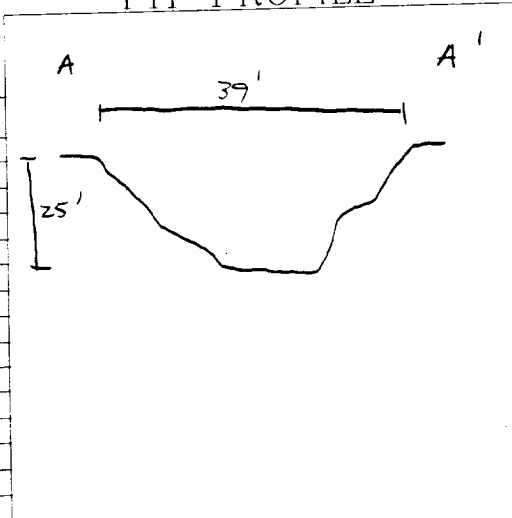
OVM RESULTS

SAMPLE ID	FIELD HEADSPACE PID (ppm)
1 @ 20'	0.0
2 @ 20'	0.0
3 @ 19'	0.0
4 @ 18'	0.0
5 @ 28'	0.0

LAB SAMPLES

SAMPLE ID	ANALYSIS	TIME
5 @ 28'	TPH 418.1	1135
<u>PASSED</u>		

PIT PROFILE



TRAVEL NOTES: CALLOUT: _____	ONSITE: <u>1/13/98</u> <u>1/26/98</u>
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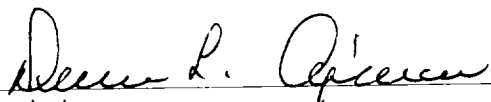
Client:	Blagg / AMOCO	Project #:	04034-10
Sample ID:	5 @ 28'	Date Reported:	01-27-98
Laboratory Number:	C847	Date Sampled:	01-26-98
Chain of Custody No:	5712	Date Received:	01-27-98
Sample Matrix:	Soil	Date Extracted:	01-27-98
Preservative:	Cool	Date Analyzed:	01-27-98
Condition:	Cool and Intact	Analysis Needed:	TPH-418.1

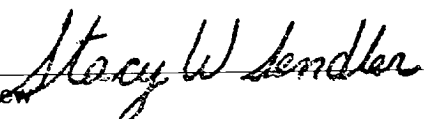
Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
Total Petroleum Hydrocarbons	30.8	5.0

ND = Parameter not detected at the stated detection limit.

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

Comments: **Jicarilla Contract 148-41 Blow Pit.**

  
Analyst

  
Review

(505) 632-0615

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

8JSZ1

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:	JICARILLA LAB-41 <sup>91V</sup> CONTRACT # 148-41		
Location:	Unit or Qtr/Qtr Sec <u>5</u> Sec <u>13</u> T <u>25N</u> R <u>5W</u> County <u>RIO ARriba</u>		
Land Type:	<u>RANGE</u>		
Date Remediation Started:	<u>1/26/98</u>	Date Completed:	<u>11/12/99</u>
Remediation Method:	Landfarmed <input checked="" type="checkbox"/>	Approx. cubic yards	<u>900</u>
	Composted <input type="checkbox"/>		
	Other <input type="checkbox"/>		

Depth To Groundwater:	(pts.) <u>0</u>	Final Closure Sampling:	
Distance to an Ephemeral Stream	(pts.) <u>0</u>	Sampling Date:	<u>1-4-99</u> Time: <u>1325</u>
Distance to Nearest Lake, Playa, or Watering Pond	(pts.) <u>0</u>	Sample Results:	
Wellhead Protection Area:	(pts.) <u>0</u>	Field Headspace (ppm)	<u>0.0</u>
Distance To SurfaceWater:	(pts.) <u>0</u>	TPH (ppm)	<u>906</u> Method <u>8015</u>
		Other	<u>                    </u>
RANKING SCORE (TOTAL POINTS):		<u>0</u>	

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

DATE 11/12/99 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: Kurt M. [Signature] DATE: 3-31-99

CLIENT: <u>AMOCO</u>	BLAGG ENGINEERING, INC. P.O. BOX 87, BLOOMFIELD, NM 87413 (505) 632-1199	LOCATION NO: <u>85521</u> C.O.C. NO: <u>6325</u>
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FIELD REPORT: <u>LANDFARM/COMPOST PILE CLOSURE VERIFICATION</u>		
LOCATION: NAME <u>SCARILLA</u> <u>CONTRACT 717</u> <u>148</u>	WELL #: <u>41</u>	PITS: <u>BLOW</u>
QUAD/UNIT: <u>J</u> SEC: <u>13</u> TWP: <u>25N</u> RNG: <u>5W</u> PM: <u>NM</u> CNTY: <u>RA</u> ST: <u>NM</u>	DATE STARTED: <u>1/4/99</u> DATE FINISHED: <u>1/12/99</u>	
LOT/FOOTAGE <u>NW/4 SE/4</u>	CONTRACTOR: <u>P+S</u>	ENVIRONMENTAL SPECIALIST: <u>REP</u>

REMEDIAL ACTION:	REMEDATION SYSTEM: <u>LANDFARM</u>	APPROX. CUBIC YARDAGE: <u>900</u>
	LAND USE: <u>RANGE</u>	LIFT DEPTH (ft): <u>1-1.5'</u>

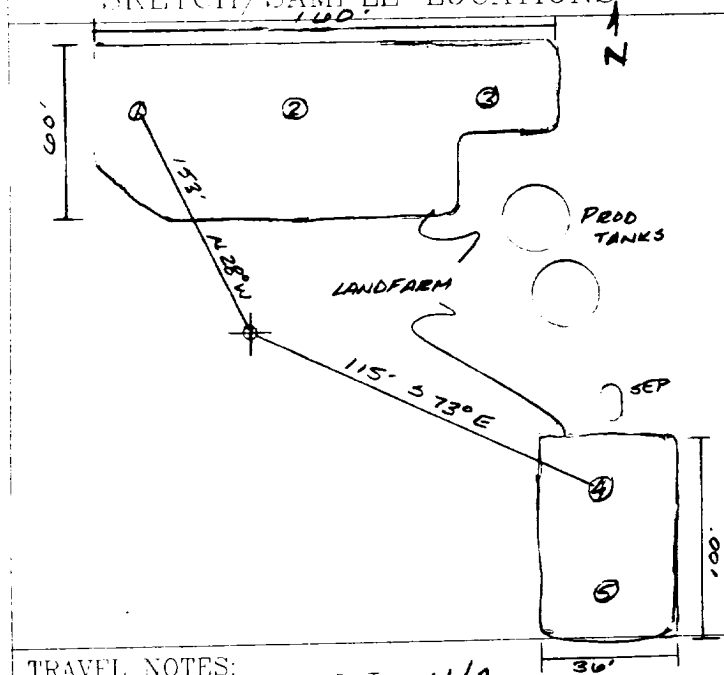
FIELD NOTES & REMARKS:		
DEPTH TO GROUNDWATER: <u>&gt;100'</u>	NEAREST WATER SOURCE: <u>&gt;1000'</u>	NEAREST SURFACE WATER: <u>&gt;1000'</u>
NMOOD PARKING SCORE: <u>0</u>	NMOOD TPH CLOSURE STD: <u>5000</u> PPM	
<p>DK, YELLOW ORANGE TO LT. OLIVE GRAY SAND NON COHESIVE, SLIGHTLY MOIST, FIRM.          NO APPARENT STAINING OR HC ODDOR SAMPLE DEPTHS RANGE FROM 6" TO 18"          TOOK A 5 PT COMPOSITE SAMPLE FOR LAB ANALYSIS</p>		

CLOSED

#### FIELD 418.1 CALCULATIONS

SAMPLE TYPE	SAMPLE ID	LAB No	WEIGHT (g)	mL. FREON	DILUTION	READING	CALC. ppm

#### SKETCH/SAMPLE LOCATIONS



#### OVM RESULTS

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

#### LAB SAMPLES

SAMPLE ID	ANALYSIS	TIME	RESULTS
LF-1	TPH (BD15)	1325	906

#### SCALE



ON SITE: 1-4-99

TRAVEL NOTES:

CALLOUT: N/A

# ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

## EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

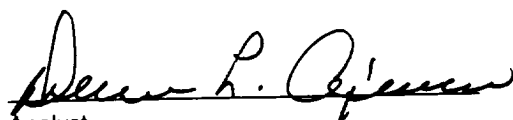
Client:	Blagg / AMOCO	Project #:	04034-10
Sample ID:	LF - 1	Date Reported:	01-06-99
Laboratory Number:	E450	Date Sampled:	01-04-99
Chain of Custody No:	6325	Date Received:	01-05-99
Sample Matrix:	Soil	Date Extracted:	01-05-99
Preservative:	Cool	Date Analyzed:	01-06-99
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

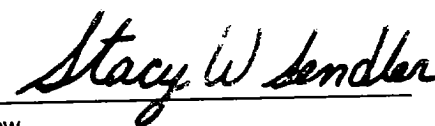
Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	2.9	0.2
Diesel Range (C10 - C28)	903	0.1
Total Petroleum Hydrocarbons	906	0.2

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 - 41 Landfarm. 5 Pt. Composite.

  
Analyst

  
Review



## 6325

[illegible]