

Farmington
DEPUTY OIL & GAS INSPECTOR

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

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BT520

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

001 0 8 1985

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 CONTRACT 148-12
Location: Unit or Qtr/Qtr Sec A Sec 24 T 25N R 5W County RIO ARriba
Pit Type: Separator Dehydrator Other BLOW
Land Type: RANGE

Pit Location: Pit dimensions: length 22', width 23', depth 16'
(Attach diagram) Reference: wellhead X, other
Footage from reference: 175'
Direction from reference: 82 Degrees X East of North X
West South

Depth To Groundwater:

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

RECEIVED
AUG 24 1999

Less than 50 feet (20 points)
50 feet to 99 feet (10 points)
Greater than 100 feet (0 points) 0

Distance to an Ephemeral Stream

(Downgradient dry wash greater than
ten feet in width)

OIL CON. DIV.
DIST. 3

Less than 100 feet (10 points)
Greater than 100 feet (0 points) 0

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) 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)
No (0 points) 0

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) 0

RANKING SCORE (TOTAL POINTS): 0

Date Remediation Started: _____ Date Completed: 11/27/98

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

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 18' (PIT BOTTOM)

Sample date 11/26/98 Sample time 1045

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>21.0</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 11/27/98 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: [Signature] DATE: 2-6-98

CLIENT: <u>AMOCO</u>	BLAGG ENGINEERING, INC. P.O. BOX 87, BLOOMFIELD, NM 87413 (505) 632-1199	LOCATION NO: <u>8JSW</u> C.O.C. NO: <u>5711</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>12</u> PIT: <u>BLOW</u> QUAD/UNIT: <u>A</u> SEC: <u>24</u> TWP: <u>25 N</u> RNG: <u>5 W</u> PM: <u>NM</u> CNTY: <u>RA</u> ST: <u>NM</u> QTR/FOOTAGE: <u>NE 1/4 NE 1/4</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>22</u> FT. x <u>23</u> FT. x <u>16</u> FT. DEEP.	CUBIC YARDAGE: <u>200</u>
DISPOSAL FACILITY: <u>ON-SITE</u>	REMEDIATION METHOD: <u>LANDFARMED</u>
LAND USE: <u>RANGE</u>	LEASE: <u>FED. # 148</u> FORMATION: <u>PC</u>

FIELD NOTES & REMARKS:	PIT LOCATED APPROXIMATELY <u>175</u> FT. <u>N82E</u> FROM WELLHEAD. DEPTH TO GROUNDWATER: <u>>100'</u> NEAREST WATER SOURCE: <u>>1000'</u> NEAREST SURFACE WATER: <u>>1000'</u> NMOC RANKING SCORE: <u>0</u> NMOC TPH CLOSURE STD: <u>5000</u> PPM SOIL AND EXCAVATION DESCRIPTION:
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MOSTLY MOD. TO DR. YELL. BROWN SAND, NON COHESIVE, SLIGHTLY MOIST, FIRM,
 NO APPARENT STAINING OR HC ODOOR OBSERVED W/W EXCAVATION NO
 APPARENT HC ODOOR OBSERVED IN ANY OF THE OVM SAMPLES.

CLOSED

SCALE

0 FT

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 @ 11'	0.0
2 @ 12'	0.0
3 @ 11'	0.0
4 @ 10'	0.0
5 @ 18'	0.0

SAMPLE ID	ANALYSIS	TIME
⑤ @ 18' TPH	418.1	1045
<u>PASSED</u>		

PIT PROFILE

TRAVEL NOTES: _____ CALLOUT: _____ ONSITE: 1/13/98 1/26/98 - MORN.

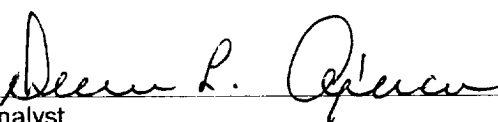
Client:	Blagg / AMOCO	Project #:	04034-10
Sample ID:	5 @ 18'	Date Reported:	01-27-98
Laboratory Number:	C846	Date Sampled:	01-26-98
Chain of Custody No:	5711	Date Received:	01-27-98
Sample Matrix:	Soil	Date Extracted:	01-27-98
Preservative:	Cool	Date Analyzed:	01-27-98
Condition:	Cool and Intact	Analysis Needed:	TPH-418.1

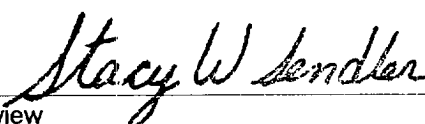
Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
Total Petroleum Hydrocarbons	21.0	5.0

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-^{12 765}~~32~~ Blow Pit.


Analyst


Review

Client/Project Name			Project Location		ANALYSIS/PARAMETERS										
Sampler: (Signature)			Chain of Custody Tape No.		Remarks										
Sample No./ Identification	Sample Date	Sample Time	Lab Number	Sample Matrix	No. of Containers										
⑤ @ 18'	1/26/98	1045	C846	SOIL	1	1	PRESERV. - COOL								
SAMPLE RECEIVED cool & IMPDET DIA															
Relinquished by: (Signature)			Date	Time	Received by: (Signature)			Date	Time						
Michael VEG			1/27/98	0705	Robert L. Quinn			1.2.29.0705							
Relinquished by: (Signature)															
Relinquished by: (Signature)															

ENVIROTECH INC.
5796 U.S. Highway 64-3014
Farmington, New Mexico 87401
(505) 632-0615

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

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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 148 + 12 CONTRACT #148-12
Location: Unit or Qtr/Qtr Sec A Sec 24 T 25N R 5W County RIO ARriba
Land Type: RANGE
Date Remediation Started: 1-26-98 Date Completed: 1/12/99
Remediation Method: Landfanned ✓ Approx. cubic yards 200
Composted
Other

Depth To Groundwater: (pts.) <u>0</u>	Final Closure Sampling: Sampling Date: <u>1-4-98</u> Time: <u>1115</u> Sample Results: Field Headspace (ppm) <u>0.0</u> TPH (ppm) <u>2.7</u> Method <u>8015</u> Other <u> </u>
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 1/12/99 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 X NO (REASON)

SIGNED: K. C. M... DATE: 3-31-99

CLIENT: <u>AMOCO</u>	BLAGG ENGINEERING, INC. P.O. BOX 87, BLOOMFIELD, NM 87413 (505) 632-1199	LOCATION NO: <u>85520</u> C.O.C. NO: <u>6323</u>
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FIELD REPORT: LANDFARM/COMPOST PILE CLOSURE VERIFICATION

LOCATION: NAME: <u>SICARILLA Y 148</u> WELL #: <u>12</u> PITS: <u>BLOW</u>	DATE STARTED: <u>1.4.99</u> DATE FINISHED: <u>1/12/99</u>
QUAD/UNIT: <u>A</u> SEC: <u>24</u> TWP: <u>25N</u> RNG: <u>5W</u> PM: <u>NM</u> CNTY: <u>RA</u> ST: <u>NM</u>	ENVIRONMENTAL SPECIALIST: <u>REP</u>
SITE/FOOTAGE: <u>NE/4 NE/4</u> CONTRACTOR: <u>P+S</u>	

SOIL REMEDIATION:

REMEDICATION SYSTEM: LANDFARM

APPROX. CUBIC YARDAGE: 200

LAND USE: RANGE

LIFT DEPTH (ft): 1'-2'

FIELD NOTES & REMARKS:

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

NMDD PAINTING SCORE: 0 NMDD TPH CLOSURE STD: 5000 PPM

DK. YELLOW ORANGE TO DK BROWN SAND. NON COHESIVE, SLIGHTLY MOIST, LOOSE.

NO STAINING OBSERVED. NO HC ODOR DETECTED. SAMPLING DEPTHS RANGE FROM 6"-18"

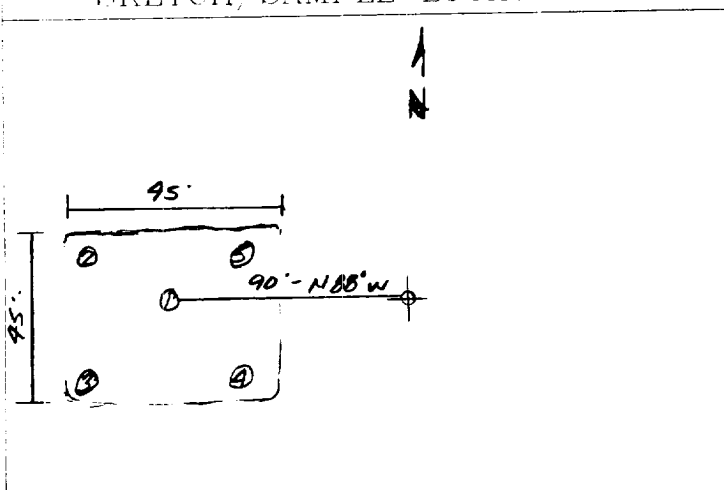
TOOK 1 5 PT COMPOSITE SAMPLE FOR LAB ANALYSIS.

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	0.0	LF-1	TPH (8015)	1115	2.7

SCALE

0 FT

TRAVEL NOTES:

CALLOUT: N/A

ONSITE: 1.4.99

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

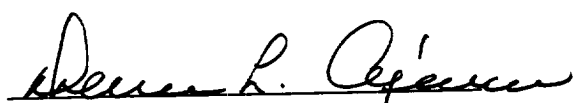
Client:	Blagg / AMOCO	Project #:	04034-10
Sample ID:	LF - 1	Date Reported:	01-06-99
Laboratory Number:	E447	Date Sampled:	01-04-99
Chain of Custody No:	6323	Date Received:	01-05-99
Sample Matrix:	Soil	Date Extracted:	01-05-99
Preservative:	Cool	Date Analyzed:	01-06-99
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	2.4	0.2
Diesel Range (C10 - C28)	0.3	0.1
Total Petroleum Hydrocarbons	2.7	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 - 12 Landfarm. 5 Pt. Composite.


Analyst


Review

6323

[illegible]