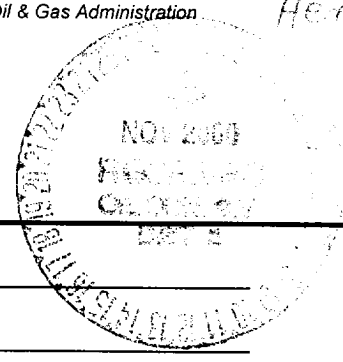


State of New Mexico
Energy, Minerals and Natural Resources Department

Oil Conservation Division
2040 S. PACHECO
Santa Fe, New Mexico 87505

Submit 1 copy to
Natural Resource Dept.
and Oil & Gas Administration

OK
Note sample
Headspace



PIT REMEDIATION AND CLOSURE REPORT

Operator: Apache Corporation Telephone 505-325-0318
Address: 2855 Southside River Road, Suite A, Farmington, NM 87401
Facility or Well Name: JAT 358 #5
Location: Unit or Qtr/Qtr Sec NE/NE Sec 7 T 22N R 2W County SANDOVAL
Pit Type: Separator: _____ Dehydrator _____ Other BLOW PIT
Land Type: JIC. TRIBAL

Pit Location: Beginning Pit Dimensions: Length 50' Width 35' Depth 6'
(Attach diagram) Ending Pit Dimensions: Length 50' Width 35' Depth 6'
Reference: Wellhead XXX Other _____
Footage from reference: 150'
Direction from reference: 10 Degrees _____ East of North X
_____ West South _____

Depth To Groundwater: Less than 50 feet (20 points) _____
(vertical distance from 50 feet to 99 feet (10 points) _____
contaminants to seasonal Greater than 100 feet (0 points) 0
high water elevation of groundwater)

Distance to an Ephemeral Stream: Less than 100 feet (10 points) _____
(Downgradient dry wash greater than Greater than 100 feet (0 points) 0
ten feet in width)

Distance to Nearest Lake, Playa, or Watering Pond: Less than 100 feet (10 points) _____
(Downgradient lakes, playas and Greater than 100 feet (0 points) 0
livestock or wildlife watering ponds)

Wellhead Protection Area: Yes (20 points) _____
(Less than 200 feet from a private No (0 points) 0
domestic water source, or less than 1000 feet from all other water sources)

Distance To Surface Water: Less than 100 feet (20 points) _____
(Horizontal distance to perennial 100 feet to 1000 feet (10 points) _____
lakes, ponds, rivers, streams, creeks, Greater than 1000 feet (0 points) 0
irrigation canals and ditches)

RANKING SCORE (TOTAL POINTS) 0

Date Remediation Started: 11/19/1999 Date Completed: 09/19/2000

Remediation Method: Excavation _____ Approx. cubic yards _____
(Check all appropriate sections) Landfarmed _____ Insitu Bioremediation _____

Other Core sample 4' below pit bottom center, composite core sample
4' below pit bottom corners

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

General Description of Remedial Action: NONE REQUIRED, NO CONTAMINATION DETECTED

9/19/00 BACKFILLED AND RESEEDDED

Groundwater Encountered: No XXX Yes _____ Depth _____

Final Pit: Sample location Core sample 4' below pit bottom center, 4 points composite sample
Closure Sampling: of pit corner

(in multiple samples, attach sample results and diagram of sample locations and depths) Sample depth CORE SAMPLE 4' BELOW PIT BOTTOM.

Sample Date 11/19/1999 Sample Time 9:30AM, 9:45AM
Sample results corner/center

Soil: Benzene (ppm) ND/ND Water: Benzene (ppb) NA

Total BTEX (ppm) ND/ND Toluene (ppb) NA

Field Headspace (ppm) 62.5/ND Ethylbenzene (ppb) NA

TPH (ppm) ND/ND Total Xylenes (ppb) NA

Groundwater Sample: Yes _____ No XXX (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 11-22-00 PRINTED NAME Jeff Cross

SIGNATURE Jeff Cross AND TITLE Project Manager

**Submit 1 copy to
Natural Resource Dept.
and Oil & Gas Administration**

Operator: <u>APACHE CORPORATION</u>		Telephone <u>505-325-0318</u>	
Address: <u>2855 SOUTH SIDE RIVER ROAD FARMINGTON N.M. 87401</u>			
Facility or Well Name: <u>JAT 358 # 5</u>			
Location: Unit or Qtr/Qtr Sec <u>NE/NE SEC 7</u>		T <u>22N</u> R <u>2W</u> County <u>SANDOVAL</u>	
Pit Type: Separator: _____		Dehydrator _____ Other <u>BLOW PIT</u>	
Land Type: <u>JIC. TRIBAL</u>			
Pit Location: Pit Dimensions: Length <u>50'</u> Width <u>35'</u> Depth <u>6'</u>			
(Attach diagram)			
Reference: Wellhead <u>XXX</u>		Other _____	
Footage from reference: <u>150'</u>			
Direction from reference: <u>10°</u> Degrees		East _____ North <u>X</u>	
		West _____ South _____	
Depth To Groundwater:			
(vertical distance from		Less than 50 feet (20 points) _____	
contaminants to seasonal		50 feet to 99 feet (10 points) _____	
high water elevation of		Greater than 100 feet (0 points) <u>0</u>	
groundwater)			
Distance to an Ephemeral Stream:			
(Downgradient dry wash greater than		Less than 100 feet (10 points) _____	
ten feet in width		Greater than 100 feet (0 points) <u>0</u>	
Distance to Nearest Lake, Playa, or Watering Pond:			
(Downgradient lakes, playas and		Less than 100 feet (10 points) _____	
livestock or wildlife watering ponds)		Greater than 100 feet (0 points) <u>0</u>	
Wellhead Protection Area:			
(Less than 200 feet from a private		Yes (20 points) _____	
domestic water source, or less than		No (0 points) <u>0</u>	
1000 feet from all other water sources)			
Distance To Surface Water:			
(Horizontal distance to perennial		Less than 100 feet (20 points) _____	
lakes, ponds, rivers, streams, creeks,		100 feet to 1000 feet (10 points) _____	
irrigation canals and ditches)		Greater than 1000 feet (0 points) <u>0</u>	
		RANKING SCORE (TOTAL POINTS) <u>0</u>	

Date Remediation Started: 11/19/99 Date Completed: 9-19-00

Remediation Method: Excavation Approx. cubic yards
(Check all appropriate sections) Landfarmed Insitu Bioremediation

Other Core sample 4' below pit bottom center, composite core sample 4' below pit bottom corners.

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

General Description of Remedial Action: NONE Required, Pit To Be Back Filled and Reseeded. NO CONTAMINATION Detected. 9-19-00 Backfill pit AND Reseeds.

Groundwater Encountered: No XXX Yes Depth

Final Pit: Sample location core sample 4' below pit bottom center, 4 point composite sample of pit bottom corners.

Closure Sampling: (in multiple samples, attach sample results and diagram of sample locations and depths) Sample depth CORE SAMPLE 4' BELOW PIT BOTTOM.

Sample Date 11/19/99 Sample Time; 9:30Am, 9:45Am
Sample results

Soil:	Benzene	(ppm)	<u>ND/ND</u>	Water:	Benzene	(ppb)	<u>NA</u>
	Total BTEX	(ppm)	<u>ND/ND</u>		Toluene	(ppb)	<u>NA</u>
	Field Headspace	(ppm)	<u>62.5/ND</u>		Ethylbenzene	(ppb)	<u>NA</u>
	TPH	(ppm)	<u>ND/ND</u>		Total Xylenes	(ppb)	<u>NA</u>

Groundwater Sample: Yes No XXX (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 9-19-2000 PRINTED NAME JEFF CROSS
SIGNATURE Jeff Cross AND TITLE PROJECT MANAGER

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: Kee C Mando DATE: 11-9-00

Pit Impact Rating Sheet

Well Name: JAT 358 # 5
 Well Location: NE/NE SEC 7 T 22 N R 2 W
 Number of Pits at Location: 1
 Pit Number and Usage: BLOW PIT
 Estimated Elevation: 7200'
 Estimated Groundwater Elevation: _____
 Vulnerable Area: YES NO XX
 Fluid in Pits: YES NO XX
 % Water: 0
 % Oil: 0
 Visual Soil Contamination:
 Highly Contamination/Saturated Soils: NONE
 Unsaturated Contamination (Odor or PID Reading): ND
 Suspected Groundwater Contamination: NO XX YES _____
 Reason for Suspicion: _____

RATING:

<p>Depth to Groundwater:</p> <table border="0"> <tr><td>< 50'</td><td style="text-align: right;">20</td></tr> <tr><td>50' - 99'</td><td style="text-align: right;">10</td></tr> <tr><td>> 100'</td><td style="text-align: right;">0</td></tr> <tr><td>Rating</td><td style="text-align: right;"><u>0</u></td></tr> </table>	< 50'	20	50' - 99'	10	> 100'	0	Rating	<u>0</u>	<p>Wellhead Protection Area:</p> <table border="0"> <tr><td colspan="2">< 1000' from water source, or</td></tr> <tr><td colspan="2">< 200' from a domestic source?</td></tr> <tr><td>Yes</td><td style="text-align: right;">20</td></tr> <tr><td>No</td><td style="text-align: right;">0</td></tr> <tr><td>Rating</td><td style="text-align: right;"><u>0</u></td></tr> </table>	< 1000' from water source, or		< 200' from a domestic source?		Yes	20	No	0	Rating	<u>0</u>
< 50'	20																		
50' - 99'	10																		
> 100'	0																		
Rating	<u>0</u>																		
< 1000' from water source, or																			
< 200' from a domestic source?																			
Yes	20																		
No	0																		
Rating	<u>0</u>																		
<p>Distance to Surface Water:</p> <table border="0"> <tr><td>< 200' horizontal feet</td><td style="text-align: right;">20</td></tr> <tr><td>200' - 1000' horizontal feet</td><td style="text-align: right;">10</td></tr> <tr><td>> 1000' horizontal feet</td><td style="text-align: right;">0</td></tr> <tr><td>Rating</td><td style="text-align: right;"><u>0</u></td></tr> </table>	< 200' horizontal feet	20	200' - 1000' horizontal feet	10	> 1000' horizontal feet	0	Rating	<u>0</u>	<p>Distance to Ephermal stream > 10 feet width</p> <table border="0"> <tr><td>< 100' horizontal feet</td><td>Yes</td><td style="text-align: right;">10</td></tr> <tr><td>> 100' horizontal feet</td><td>No</td><td style="text-align: right;">0</td></tr> <tr><td>Rating</td><td></td><td style="text-align: right;"><u>0</u></td></tr> </table>	< 100' horizontal feet	Yes	10	> 100' horizontal feet	No	0	Rating		<u>0</u>	
< 200' horizontal feet	20																		
200' - 1000' horizontal feet	10																		
> 1000' horizontal feet	0																		
Rating	<u>0</u>																		
< 100' horizontal feet	Yes	10																	
> 100' horizontal feet	No	0																	
Rating		<u>0</u>																	
	<p>Distance to Lake, Playa or Watering Pond</p> <table border="0"> <tr><td>< 100' horizontal feet</td><td>Yes</td><td style="text-align: right;">10</td></tr> <tr><td>> 100' horizontal feet</td><td>No</td><td style="text-align: right;">0</td></tr> <tr><td>Rating</td><td></td><td style="text-align: right;"><u>0</u></td></tr> </table>	< 100' horizontal feet	Yes	10	> 100' horizontal feet	No	0	Rating		<u>0</u>									
< 100' horizontal feet	Yes	10																	
> 100' horizontal feet	No	0																	
Rating		<u>0</u>																	

FINAL SOIL REMEDIATION STANDARDS:

TPH: 5000 ppm
 Benzene: 10 ppm
 BTEX: 50 ppm

Total Rating 0

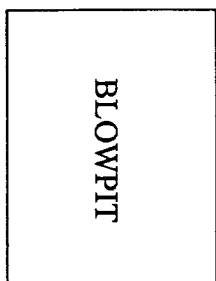
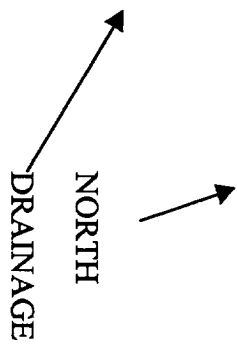
KNOWN ANALYSIS:

Soil:	TPH: <u>ND</u> ppm	Benzene: <u>ND</u> ppm	BTEX: <u>ND</u> ppm
Groundwater:	TPH: <u>NA</u> ppm	Benzene: <u>NA</u> ppm	BTEX: <u>NA</u> ppm

PROBABLE SOIL REMEDIATION TECHNIQUE:

Bioremediation: On-Site _____
 Composting: _____
 Disposal: Facility Name _____
 Thermal Desorption: _____
 Soil Venting: _____
 Other: _____

JAT 358 # 5
NE/NE (A) SEC 7 T22N R2W
SANDOVAL, COUNTY N.M.



50' X 35' X 6'

150'



WELLHEAD



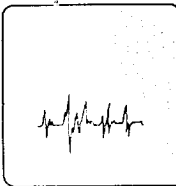
METER RUN

LOCATION	JAT 358 # 5
PIT COUNT	1

JAT 358 # 5

1

[illegible]



ASSAIGAI ANALYTICAL LABORATORIES, INC.

7300 Jefferson, NE • Albuquerque, New Mexico 87109 • (505) 345-8964 • FAX (505) 345-7259

3332 Wedgewood Dr., Suite N • El Paso, Texas 79925 • (915) 593-6000 • FAX (915) 593-7820
127 Eastgate Drive, 212-C • Los Alamos, New Mexico 87544 • (505) 662-2558

Explanation of codes

B	analyte detected in Method Blank
E	result is estimated
H	analyzed out of hold time
N	tentatively identified compound
S	subcontracted
1-9	see footnote

APACHE CORPORATION

attn: JEFF CROSS

2855 SOUTHSIDE RIVER RD STE A
FARMINGTON, NM 87401-7947

Assaigai Analytical Laboratories, Inc.

Certificate of Analysis

Client: **APACHE CORPORATION**
Project: **9911224 JIC. PIT REMEDIATION**

William P. Brava
William P. Brava, President of Assaigai Analytical Laboratories, Inc.

Client Sample ID **JAT358#5 PIT SIDES** Sample Matrix **SOIL** Sample Collected **11/19/99 09:30:00**

QC Group	Run Sequence	CAS #	Analyte	Result	Units	Dilution Factor	Detection Limit	Code	Run Date
9911224-01A SW846 5030A/8021B Purgeable VOCs by GC/PID									
X99383	XG.1999.993-18	71-43-2	Benzene	ND	mg / Kg	1	0.005	1	11/24/99
X99383	XG.1999.993-18	100-41-4	Ethylbenzene	ND	mg / Kg	1	0.005	1	11/24/99
X99383	XG.1999.993-18	95-47-6	o-Xylene	ND	mg / Kg	1	0.005	1	11/24/99
X99383	XG.1999.993-18		p/m-Xylenes	ND	mg / Kg	1	0.01	1	11/24/99
X99383	XG.1999.993-18	108-88-3	Toluene	ND	mg / Kg	1	0.005	1	11/24/99

9911224-01A SW846 ME/8015A Diesel Range Organics by GC/FID									
X99385	XG.1999.1002-14		Diesel Range Organics	ND	mg / Kg	1	25		11/30/99

Client Sample ID **JAT358#5 PIT CENTER** Sample Matrix **SOIL** Sample Collected **11/19/99 09:45:00**

QC Group	Run Sequence	CAS #	Analyte	Result	Units	Dilution Factor	Detection Limit	Code	Run Date
9911224-02A SW846 5030A/8021B Purgeable VOCs by GC/PID									
X99383	XG.1999.993-19	71-43-2	Benzene	ND	mg / Kg	1	0.005	1	11/24/99
X99383	XG.1999.993-19	100-41-4	Ethylbenzene	ND	mg / Kg	1	0.005	1	11/24/99
X99383	XG.1999.993-19	95-47-6	o-Xylene	ND	mg / Kg	1	0.005	1	11/24/99
X99383	XG.1999.993-19		p/m-Xylenes	ND	mg / Kg	1	0.01	1	11/24/99
X99383	XG.1999.993-19	108-88-3	Toluene	ND	mg / Kg	1	0.005	1	11/24/99



Assaigai Analytical Laboratories, Inc.
Certificate of Analysis

Client: **APACHE CORPORATION**
Project: **9911224 JIC. PIT REMEDIATION**

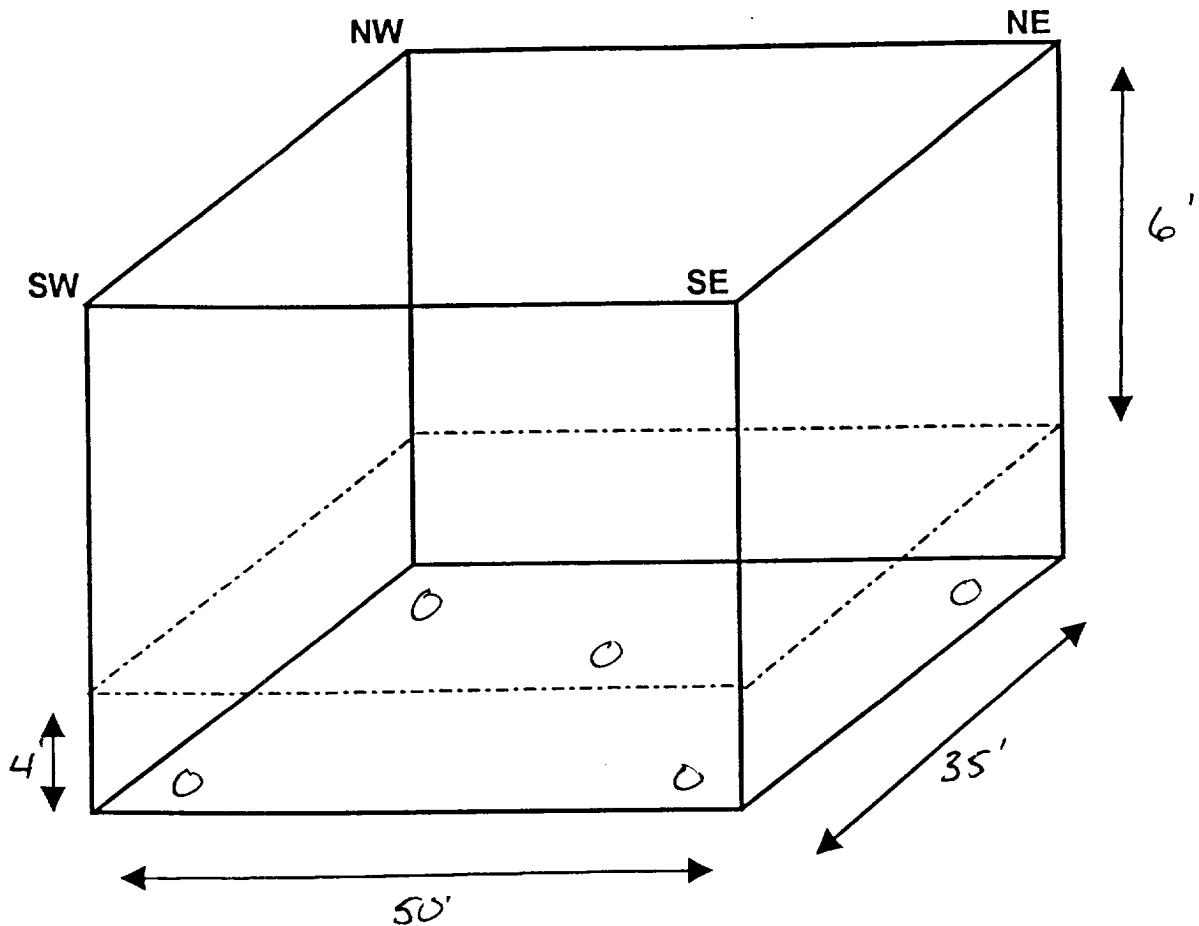
9911224-02A	SW846 ME/8015A Diesel Range Organics by GC/FID							
X99385	XG.1999.1002-15	Diesel Range Organics	ND	mg / Kg	1	25		11/30/99

*** Sample specific Detection Limit is determined by multiplying the sample Dilution Factor by the listed Reporting Detection Limit. ***

*** ND = Not detected: less than the sample specific Detection Limit. Results relate only to the items tested. ***

footnote 1 Sample was received with headspace.

memo Please note that the cooler was received at a temperature greater than 4 degrees C.



= PIT BOTTOM



= SAMPLE AREA

WELL NAME JAT 358 #5

SAMPLE DATE 11-19-99

NOTES 4 POINT COMPOSITE SAMPLE TAKEN 4' BELOW PIT
BOTTOM CORNERS.
1 POINT GRAB SAMPLE TAKEN 4' BELOW PIT BOTTOM CENTER

