

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

OK
note sample
Head space

Operator:		<u>Apache Corporation</u>		Telephone <u>505-325-0318</u>	
Address:		<u>2855 Southside River Road, Suite A, Farmington, NM 87401</u>			
Facility or Well Name:		<u>JAT 358 #8</u>			
Location:	Unit or Qtr/Qtr Sec	<u>NE/NW</u>	<u>Sec 8</u>	T <u>22N</u> R <u>2W</u>	County <u>SANDOVAL</u>
Pit Type:	Separator:	<u>Dehydrator</u>	Other	<u>BLOW PIT</u>	
Land Type:		<u>JIC. TRIBAL</u>			
Beginning Pit Dimensions:		Length	<u>35'</u>	Width	<u>35'</u>
Pit Location:	Ending Pit Dimensions:	Length	<u>35'</u>	Width	<u>35'</u>
(Attach diagram)				Depth	<u>6'</u>
Reference:		Wellhead	<u>XXX</u>	Other	<u></u>
Footage from reference:		<u>120'</u>			
Direction from reference:		<u>200</u>	Degrees	<u></u>	East of North <u></u>
				<u></u>	West South <u>X</u>
Depth To Groundwater:		Less than 50 feet		(20 points) <u></u>	
(vertical distance from		50 feet to 99 feet		(10 points) <u></u>	
contaminants to seasonal		Greater than 100 feet		(0 points) <u>0</u>	
high water elevation of					
groundwater)					
Distance to an Ephemeral Stream:		Less than 100 feet		(10 points) <u></u>	
(Downgradient dry wash greater than		Greater than 100 feet		(0 points) <u>0</u>	
ten feet in width					
Distance to Nearest Lake, Playa, or Watering Pond:		Less than 100 feet		(10 points) <u></u>	
(Downgradient lakes, playas and		Greater than 100 feet		(0 points) <u>0</u>	
livestock or wildlife watering ponds)					
Wellhead Protection Area:		Yes		(20 points) <u></u>	
(Less than 200 feet from a private		No		(0 points) <u>0</u>	
domestic water source, or less than					
1000 feet from all other water sources)					
Distance To Surface Water:		Less than 100 feet		(20 points) <u></u>	
(Horizontal distance to perennial		100 feet to 1000 feet		(10 points) <u></u>	
lakes, ponds, rivers, streams, creeks,		Greater than 1000 feet		(0 points) <u>0</u>	
irrigation canals and ditches)					
RANKING SCORE (TOTAL POINTS)				<u>0</u>	

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 RESEEDED

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 11:10PM, 11:30PM
Sample results corner/center

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>ND/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 11-22-00 PRINTED NAME Jeff Cross

SIGNATURE Jeff Cross AND TITLE Project Manager

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

PIT REMEDIATION AND CLOSURE REPORT

Operator:	APACHE CORPORATION		Telephone	505-325-0318	
Address:	2855 SOUTH SIDE RIVER ROAD FARMINGTON N.M. 87401				
Facility or Well Name:	JAT 358 # 8				
Location:	Unit or Qtr/Qtr	Sec	NE/NW SEC 8	T 22N	R 2W County SANDOVAL
Pit Type:	Separator:	Dehydrator	Other BLOW PIT		
Land Type:	JIC. TRIBAL				
Pit Location: (Attach diagram)	Pit Dimensions:	Length	35'	Width	35' Depth 6'
	Reference:	Wellhead	XXX	Other	
	Footage from reference:	120'			
	Direction from reference:	200°	Degrees	East	North
				West	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)	0		
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)	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: 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, P.T TO Be BACKFILLED and Reseeded. NO contamination Detected 9-19-00 Backfill pit AND Reseed.

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: 11:10Am, 11:30Am

Sample results

Soil:	Component	Unit	Value	Water:	Component	Unit	Value
	Benzene	(ppm)	<u>ND/ND</u>		Benzene	(ppb)	<u>NA</u>
	Total BTEX	(ppm)	<u>ND/ND</u>		Toluene	(ppb)	<u>NA</u>
	Field Headspace	(ppm)	<u>ND/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: Ken C Marshall DATE: 11-9-00

Pit Impact Rating Sheet

Well Name: JAT 358 # 8
 Well Location: NE/NW SEC 8 T 22 N R 2 W
 Number of Pits at Location: 1
 Pit Number and Usage: BLOW PIT
 Estimated Elevation: 7100'
 Estimated Groundwater Elevation: _____
 Vulnerable Area: YES XX NO _____
 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:

Depth to Groundwater:		Wellhead Protection Area:	
< 50'	20	< 1000' from water source, or	
50' - 99'	10	<200' from a domestic source?	
> 100'	0	Yes	20
Rating	0	No	0
		Rating	0

Distance to Surface Water:		Distance to Ephemeral stream > 10 feet width	
< 200' horizontal feet	20	< 100' horizontal feet	Yes 10
200' - 1000' horizontal feet	10	> 100' horizontal feet	No 0
> 1000' horizontal feet	0	Rating	0
Rating	0		

Distance to Lake, Playa or Watering Pond	
< 100' horizontal feet	Yes 10
> 100' horizontal feet	No 0
Rating	0

FINAL SOIL REMEDIATION STANDARDS:

Total Rating 0

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

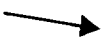
KNOWN ANALYSIS:

Soil: TPH: ND ppm Benzene: ND ppm BTEX: ND ppm
 Groundwater: TPH: NA ppm Benzene: NA ppm BTEX: NA ppm

PROBABLE SOIL REMEDIATION TECHNIQUE:

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

JAT 358 # 8
NE/NW (C) SEC 6 T22N R2W
SANDOVAL, COUNTY N.M.



NORTH



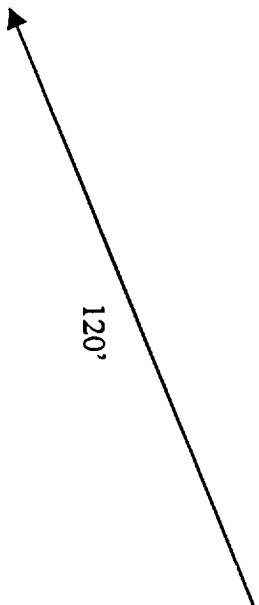
DRAINAGE

METER RUN

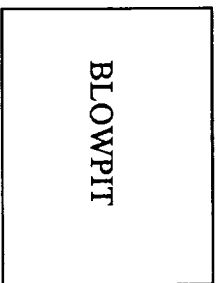


WELLHEAD

120'



BLOWPIT



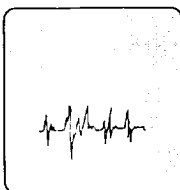
35' X 35' X 6'

APACHE CORPORATION/FARMINGTON DISTRICT PIT EXCAVATION AND CLOSURE REPORT

LOCATION JAT 358 # 8

PIT COUNT 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: 9911225 JIC. PIT REMEDIATION

William P. Biava
William P. Biava: President of Assaigai Analytical Laboratories, Inc.

Client Sample ID **JAT358#8 PIT SIDES** Sample Matrix **SOIL** Sample Collected **11/19/99 11:10:00**

QC Group	Run Sequence	CAS #	Analyte	Result	Units	Dilution Factor	Detection Limit	Code	Run Date
9911225-01A SW846 5030A/8021B Purgeable VOCs by GC/PID									
X99383	XG.1999.993-15	71-43-2	Benzene	ND	mg / Kg	1	0.005	1	11/24/99
X99383	XG.1999.993-15	100-41-4	Ethylbenzene	ND	mg / Kg	1	0.005	1	11/24/99
X99383	XG.1999.993-15	95-47-6	o-Xylene	ND	mg / Kg	1	0.005	1	11/24/99
X99383	XG.1999.993-15		p/m-Xylenes	ND	mg / Kg	1	0.01	1	11/24/99
X99383	XG.1999.993-15	108-88-3	Toluene	ND	mg / Kg	1	0.005	1	11/24/99

9911225-01A SW846 ME/8015A Diesel Range Organics by GC/FID									
X99388	XG.1999.1002-21		Diesel Range Organics	ND	mg / Kg	1	25		11/30/99

Client Sample ID **JAT358#8 PIT CENTER** Sample Matrix **SOIL** Sample Collected **11/19/99 11:30:00**

QC Group	Run Sequence	CAS #	Analyte	Result	Units	Dilution Factor	Detection Limit	Code	Run Date
9911225-02A SW846 5030A/8021B Purgeable VOCs by GC/PID									
X99383	XG.1999.993-16	71-43-2	Benzene	ND	mg / Kg	1	0.005	1	11/24/99
X99383	XG.1999.993-16	100-41-4	Ethylbenzene	ND	mg / Kg	1	0.005	1	11/24/99
X99383	XG.1999.993-16	95-47-6	o-Xylene	ND	mg / Kg	1	0.005	1	11/24/99
X99383	XG.1999.993-16		p/m-Xylenes	ND	mg / Kg	1	0.01	1	11/24/99
X99383	XG.1999.993-16	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: **9911225 JIC. PIT REMEDIATION**

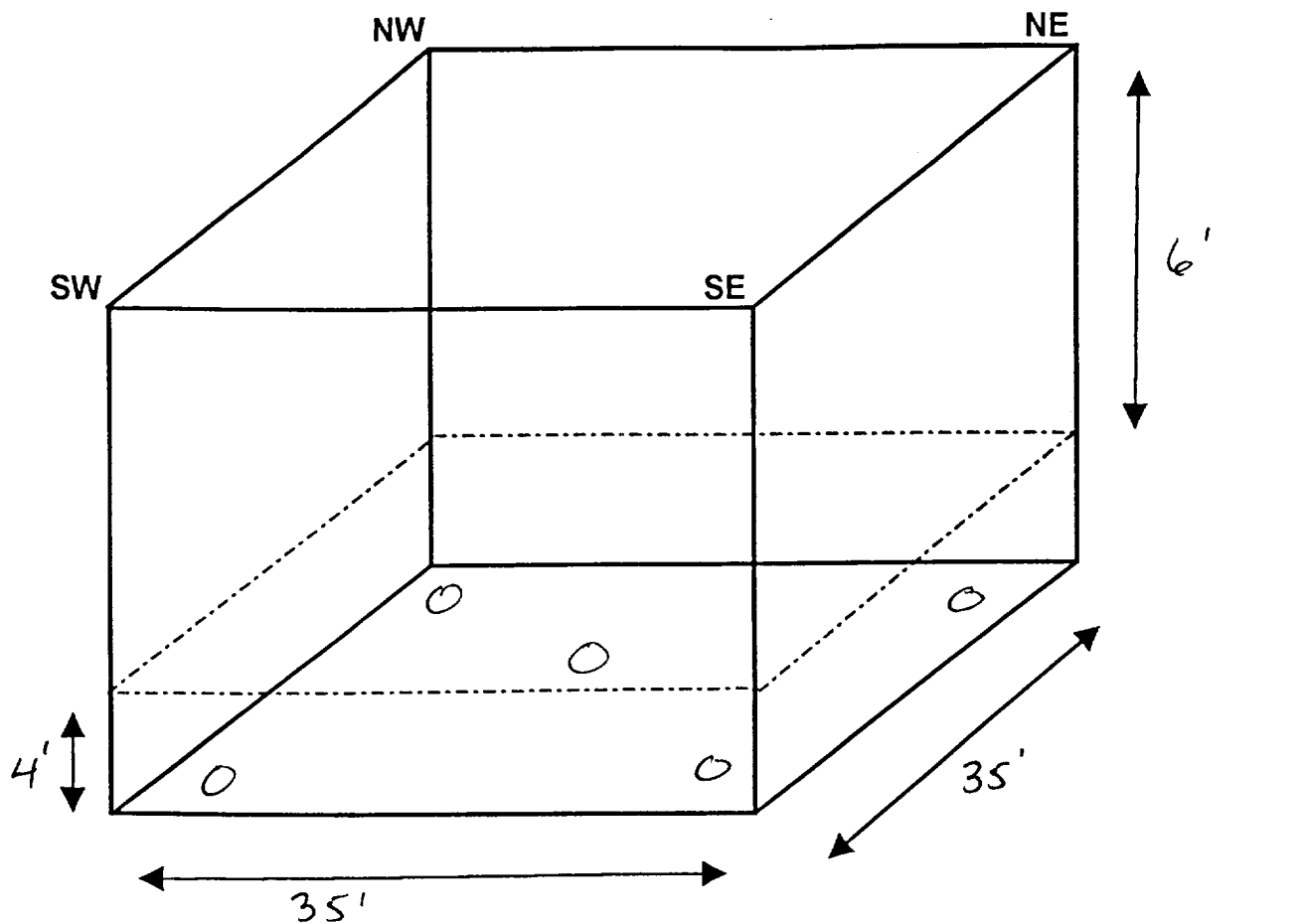
9911225-02A	SW846 ME/8015A Diesel Range Organics by GC/FID						
X99388	XG.1999.1002-22	Diesel Range Organics	ND	mg / Kg	1	25	11/30/99

*** 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 #8

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

