

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C- 144
June 1, 2004

For drilling and production facilities, submit to
appropriate NMOCD District Office.
For downstream facilities, submit to Santa Fe
office

Pit or Below-Grade Tank Registration of Closure

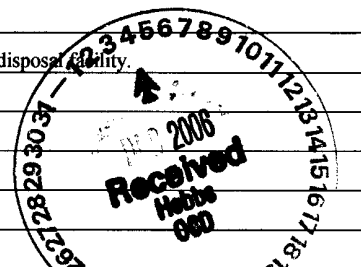
Is pit or below-grade tank covered by a "general plan"? Yes ☐ No ☒

Type of action: Registration of a pit or below-grade tank ☐ Closure of a pit or below-grade tank ☒

Operator: <u>Apache Corporation</u> Telephone: <u>(432) 527-3311</u> e-mail address: <u>Harold.Swain@usa.apachecorp.com</u>		
Address: <u>P.O. Box 848</u> <u>Wink, Texas</u> <u>79789</u>		
Facility or well name: <u>New Mexico State "S" # 51</u> #: <u>30-025-37669</u> U/L or Qtr/Qtr <u>K</u> Sec <u>2</u> T <u>22S</u> R <u>37E</u>		
County: <u>Lea</u> Latitude <u>N 32 deg 25.176'</u> Longitude <u>W 103 deg 08.183'</u> NAD: 1927 <input checked="" type="checkbox"/> 1983 <input type="checkbox"/>		
Surface Owner: Federal <input type="checkbox"/> State <input type="checkbox"/> Private <input checked="" type="checkbox"/> Indian <input type="checkbox"/>		
Pit Type: Drilling <input checked="" type="checkbox"/> Production <input type="checkbox"/> Disposal <input type="checkbox"/> Workover <input type="checkbox"/> Emergency <input type="checkbox"/> Lined <input checked="" type="checkbox"/> Unlined <input type="checkbox"/> Liner type: Synthetic <input checked="" type="checkbox"/> Thickness <u>12</u> mil Clay <input type="checkbox"/> Pit Volume <u>7000</u> bbl	Below-grade tank Volume: _____ bbl Type of fluid: _____ Construction material: _____ Double-walled, with leak detection? Yes <input type="checkbox"/> If not, explain why not: _____	
Depth to ground water (vertical distance from bottom of pit to seasonal high water elevation of ground water.)	Less than 50 feet	(20 points) <u>48 feet</u>
	50 feet or more, but less than 100 feet	(10 points)
	100 feet or more	(0 points)
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)
Distance to surface water: (horizontal distance to all wetlands, playas, irrigation canals, ditches, and perennial and ephemeral watercourses.)	Less than 200 feet	(20 points)
	200 feet or more, but less than 1000 feet	(10 points)
	1000 feet or more	(0 points)
Ranking Score (Total Points)		20

If this is a pit closure: (1) Attach a diagram of the facility showing the pit's relationship to other equipment and tanks. (2) Indicate disposal location: (check the onsite box if you are burying in place) onsite ☐ offsite ☒ If offsite, name of facility Sundance. (3) Attach a general description of remedial action taken including remediation start date and end date. (4) Groundwater encountered: No ☐ Yes ☐ If yes, show depth below ground surface _____ ft. and attach sample results. (5) Attach soil sample results and a diagram of sample locations and excavations.

Additional Comments: All fluids were removed from the pit. The pit liner and all impacted material were removed to an NMOCD disposal facility.
Samples were collected below the liner and results are submitted with this final C144 form.



I hereby certify that the information above is true and complete to the best of my knowledge and belief. I further certify that the above-described pit or below-grade tank has been/will be constructed or closed according to NMOCD guidelines ☒, a general permit ☐, or an (attached) alternative OCD-approved plan ☐.

Date: November 20, 2006

Printed Name/Title: Cindy Crain/Geologist - As Agent for Apache Corp. Signature: Cindy Crain

Your certification and NMOCD approval of this application/closure does not relieve the operator of liability should the contents of the pit or tank contaminate ground water or otherwise endanger public health or the environment. Nor does it relieve the operator of its responsibility for compliance with any other federal, state, or local laws and/or regulations.

Approval: _____

Printed Name/Title: L. Johnson - ENR/OCD Signature: L. Johnson Date: 12.4.06



N32°25.176'
W103°08.198'

53.2 (8')

SS-4

N32°25.174'
W103°08.196'

42.5 (13')

SS-9

N32°25.172'
W103°08.180'

74.4 (13')

SS-7

N32°25.166'
W103°08.188'

<20.0 (10')

SS-26

N32°25.159'
W103°08.196'

N32°25.158'
W103°08.179'

128 (24')

SS-29

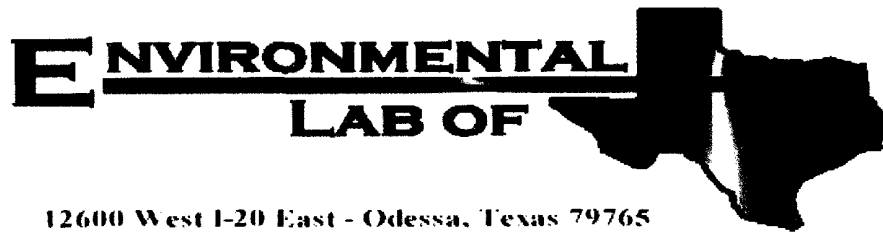
Approximate Excavation Boundary

53.2 (8')	LEGEND
● SS-4	Soil sample location taken 11/16/06, at a depth, bgs, with chloride concentration (mg/kg).
○	Wellhead location
N32°25.174' W103°08.196'	GPS Coordinates



DATE: 11-20-06
NAME: CHH
PROJECT NO.: 6-0815

FIGURE # 1	
LEA COUNTY, NEW MEXICO	
	New Mexico State "S" #51 Sec.2, T22S, R37E
Site Drawing (Not to Scale)	
Ocotillo ENVIRONMENTAL CORPORATION	



Analytical Report

Prepared for:

Cindy Crain

Ocotillo Environmental

2125 French Dr.

Hobbs, NM 88201

Project: Apache- NM S State #51

Project Number: 6-0815

Location: Eunice, NM

Lab Order Number: 6K20001

Report Date: 11/20/06

Ocotillo Environmental
2125 French Dr.
Hobbs NM, 88201

Project: Apache- NM S State #51
Project Number: 6-0815
Project Manager: Cindy Crain

Fax: (432) 367-6747

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SS-4	6K20001-01	Soil	11/16/06 13:16	11-20-2006 08:15
SS-7	6K20001-02	Soil	11/16/06 14:08	11-20-2006 08:15
SS-9	6K20001-03	Soil	11/16/06 16:10	11-20-2006 08:15
SS-26	6K20001-04	Soil	11/17/06 11:55	11-20-2006 08:15
SS-29	6K20001-05	Soil	11/17/06 13:45	11-20-2006 08:15

Ocotillo Environmental
2125 French Dr.
Hobbs NM, 88201

Project: Apache- NM S State #51
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Project Manager: Cindy Crain

Fax: (432) 367-6747

General Chemistry Parameters by EPA / Standard Methods
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SS-4 (6K20001-01) Soil									
Chloride	53.2	20.0	mg/kg Wet	2	EK62001	11/20/06	11/20/06	SW 846 9253	
SS-7 (6K20001-02) Soil									
Chloride	74.4	20.0	mg/kg Wet	2	EK62001	11/20/06	11/20/06	SW 846 9253	
SS-9 (6K20001-03) Soil									
Chloride	42.5	20.0	mg/kg Wet	2	EK62001	11/20/06	11/20/06	SW 846 9253	
SS-26 (6K20001-04) Soil									
Chloride	ND	20.0	mg/kg Wet	2	EK62001	11/20/06	11/20/06	SW 846 9253	
SS-29 (6K20001-05) Soil									
Chloride	128	20.0	mg/kg Wet	2	EK62001	11/20/06	11/20/06	SW 846 9253	

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Hobbs NM, 88201

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Project Manager: Cindy Crain

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General Chemistry Parameters by EPA / Standard Methods - Quality Control
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EK62001 - Water Extraction										
Blank (EK62001-BLK1)				Prepared & Analyzed: 11/20/06						
Chloride	ND	20.0	mg/kg Wet							
LCS (EK62001-BS1)				Prepared & Analyzed: 11/20/06						
Chloride	92.5	5.00	mg/kg Wet	100		92.5	80-120			
Matrix Spike (EK62001-MS1)				Source: 6K20001-01		Prepared & Analyzed: 11/20/06				
Chloride	564	20.0	mg/kg Wet	500	53.2	102	80-120			
Matrix Spike Dup (EK62001-MSD1)				Source: 6K20001-01		Prepared & Analyzed: 11/20/06				
Chloride	553	20.0	mg/kg Wet	500	53.2	100	80-120	1.97	20	
Reference (EK62001-SRM1)				Prepared & Analyzed: 11/20/06						
Chloride	50.0		mg/kg	50.0		100	80-120			

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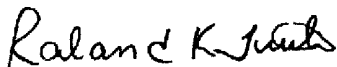
Project: Apache- NM S State #51
Project Number: 6-0815
Project Manager: Cindy Crain

Fax: (432) 367-6747

Notes and Definitions

DET Analyte DETECTED
ND Analyte NOT DETECTED at or above the reporting limit
NR Not Reported
dry Sample results reported on a dry weight basis
RPD Relative Percent Difference
LCS Laboratory Control Spike
MS Matrix Spike
Dup Duplicate

Report Approved By:



Date:

11/20/2006

Raland K. Tuttle, Lab Manager
Celey D. Keene, Lab Director, Org. Tech Director
Peggy Allen, QA Officer

Jeanne Mc Murrey, Inorg. Tech Director
LaTasha Cornish, Chemist
Sandra Sanchez, Lab Tech.

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If you have received this material in error, please notify us immediately at 432-563-1800.

Environmental Lab of Texas

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

**12600 West I-20 East
Odessa, Texas 79765**

Phone: 432-563-1800
Fax: 432-563-1713

Project Manager: Cindy Crain

Project Name: Apache - NM S State # 51

Company Name Ocotillo Environmental, LLC

Project #: 6-0815

Company Address: 2125 French Drive, P.O. Box 1816

Project Loc: Eunice, NM

City/State/Zip: Hobbs, NM 88241

PO #:

Telephone No: (505) 441-7244

Fax No: (432) 367-6747

Report Format: ☒ Standard ☐ TRRP ☐ NPDES

Sampler Signature:

e-mail: cindy.crain@gmail.com

[illegible]

Environmental Lab of Texas

Variance/ Corrective Action Report- Sample Log-In

Client: Ocofilla
 Date/ Time: 11/20/06 8:15
 Lab ID #: 6K70001
 Initials: CR

Sample Receipt Checklist

				Client Initials
#1	Temperature of container/ cooler?	Yes	No	4.0 °C
#2	Shipping container in good condition?	<u>Yes</u>	No	
#3	Custody Seals intact on shipping container/ cooler?	Yes	No	<u>Not Present</u>
#4	Custody Seals intact on sample bottles/ container?	Yes	No	<u>Not Present</u>
#5	Chain of Custody present?	<u>Yes</u>	No	
#6	Sample instructions complete of Chain of Custody?	<u>Yes</u>	No	
#7	Chain of Custody signed when relinquished/ received?	<u>Yes</u>	No	
#8	Chain of Custody agrees with sample label(s)?	Yes	No	ID written on Cont. <u>Lid</u>
#9	Container label(s) legible and intact?	Yes	No	<u>Not Applicable</u>
#10	Sample matrix/ properties agree with Chain of Custody?	<u>Yes</u>	No	
#11	Containers supplied by ELOT?	<u>Yes</u>	No	
#12	Samples in proper container/ bottle?	<u>Yes</u>	No	See Below
#13	Samples properly preserved?	<u>Yes</u>	No	See Below
#14	Sample bottles intact?	<u>Yes</u>	No	
#15	Preservations documented on Chain of Custody?	<u>Yes</u>	No	
#16	Containers documented on Chain of Custody?	<u>Yes</u>	No	
#17	Sufficient sample amount for indicated test(s)?	<u>Yes</u>	No	See Below
#18	All samples received within sufficient hold time?	<u>Yes</u>	No	See Below
#19	Subcontract of sample(s)?	<u>Yes</u>	No	Not Applicable
#20	VOC samples have zero headspace?	Yes	No	<u>Not Applicable</u>

Variance Documentation

Contact: _____ Contacted by: _____ Date/ Time: _____

Regarding: _____

Corrective Action Taken: _____

Check all that Apply:

☐
☐
☐

See attached e-mail/ fax
 Client understands and would like to proceed with analysis
 Cooling process had begun shortly after sampling event