

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 or 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" # 43</u> #: <u>30-025-37335</u> U/L or Qtr/Qtr <u>L</u> Sec <u>2</u> T <u>22S</u> R <u>37E</u>		
County: <u>Lea</u> Latitude <u>N 32 deg 25.0990'</u> Longitude <u>W 103 deg 08.1981'</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) 43 feet
	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 was removed to an NMOCD disposal facility.
Samples were collected below the liner and results are attached 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: October 4, 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

10/5/06 GARY W. WINK / STAFF MGR

Signature

Gary W. Wink

Date:

10/5/06

Approximate Excavation Boundary

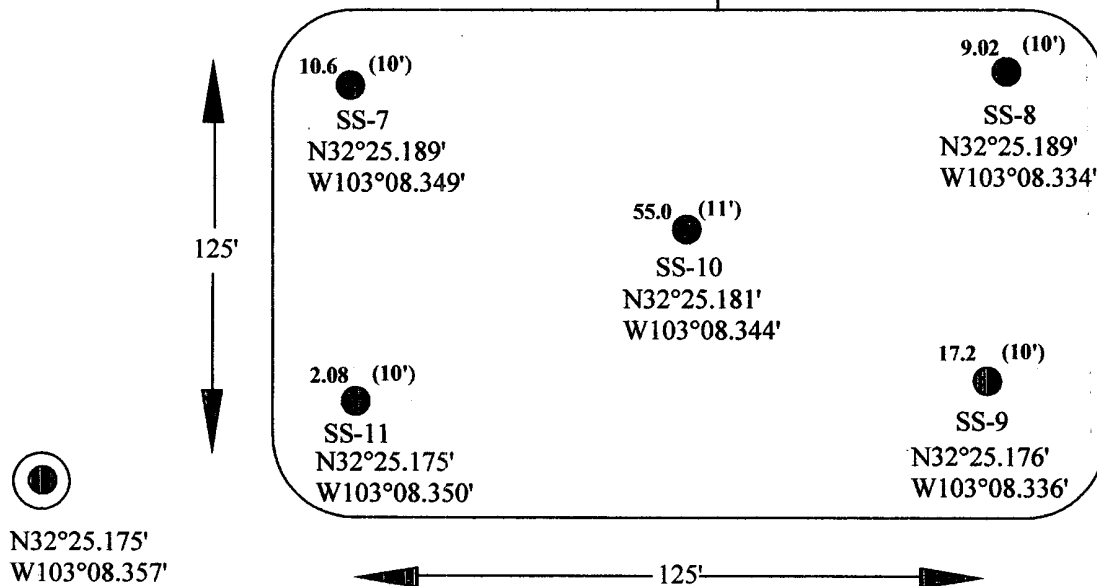


FIGURE #1

LEA COUNTY, NEW MEXICO

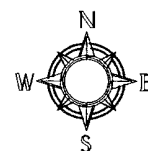


New Mexico State "S" #43
U.L.J, Sec.2, T22S, R37E

Site Drawing

(Not to Scale)

Ocotillo
ENVIRONMENTAL

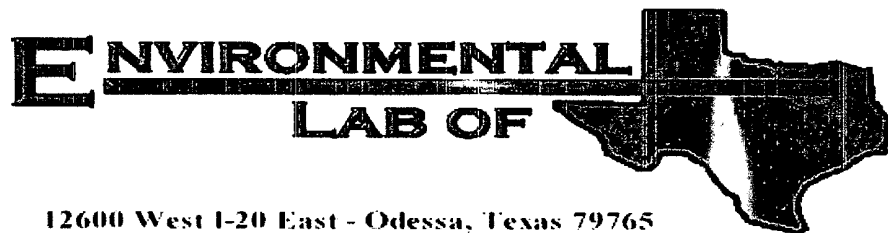


DATE: 09-25-06

NAME: CHH

PROJECT NO.: 6-0801

LEGEND	
10.6 (10') SS-7	Soil sample location taken on 9/18/06, at a depth, feet, with chloride concentration (mg/kg).
	Wellhead location
N32°25.189' W103°08.349'	GPS Coordinates



12600 West I-20 East - Odessa, Texas 79765

Analytical Report

Prepared for:

Cindy Crain

Ocotillo Environmental

2125 French Dr.

Hobbs, NM 88201

Project: Apache- NM State 5 #43

Project Number: None Given

Location: Eunice, NM

Lab Order Number: 6I19002

Report Date: 09/22/06

Ocotillo Environmental
2125 French Dr.
Hobbs NM, 88201

Project: Apache- NM State 5 #43
Project Number: None Given
Project Manager: Cindy Crain

Fax: (432) 367-6747

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SS-1 5'	6I19002-01	Soil	09/18/06 11:50	09-19-2006 09:10
SS-2 5'	6I19002-02	Soil	09/18/06 11:55	09-19-2006 09:10
SS-3 10'	6I19002-03	Soil	09/18/06 12:00	09-19-2006 09:10
SS-4 5'	6I19002-04	Soil	09/18/06 12:05	09-19-2006 09:10
SS-5 5'	6I19002-05	Soil	09/18/06 12:10	09-19-2006 09:10
SS-6 2' (Background)	6I19002-06	Soil	09/18/06 12:29	09-19-2006 09:10
SS-7 10'	6I19002-07	Soil	09/18/06 12:56	09-19-2006 09:10
SS-8 10'	6I19002-08	Soil	09/18/06 13:15	09-19-2006 09:10
SS-9 10'	6I19002-09	Soil	09/18/06 13:25	09-19-2006 09:10
SS-10 11'	6I19002-10	Soil	09/18/06 13:30	09-19-2006 09:10
SS-11 10'	6I19002-11	Soil	09/18/06 13:30	09-19-2006 09:10

Ocotillo Environmental
2125 French Dr.
Hobbs NM, 88201

Project: Apache- NM State 5 #43
Project Number: None Given
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-1 5' (6I19002-01) Soil									
Chloride	14800	200	mg/kg	400	EI62009	09/20/06	09/20/06	EPA 300.0	
SS-2 5' (6I19002-02) Soil									
Chloride	13900	200	mg/kg	400	EI62009	09/20/06	09/20/06	EPA 300.0	
SS-3 10' (6I19002-03) Soil									
Chloride	966	20.0	mg/kg	40	EI62009	09/20/06	09/20/06	EPA 300.0	
SS-4 5' (6I19002-04) Soil									
Chloride	3840	50.0	mg/kg	100	EI62009	09/20/06	09/20/06	EPA 300.0	
SS-5 5' (6I19002-05) Soil									
Chloride	2610	50.0	mg/kg	100	EI62009	09/20/06	09/20/06	EPA 300.0	
SS-6 2' (Background) (6I19002-06) Soil									
Chloride	J [2.36]	5.00	mg/kg	10	EI62009	09/20/06	09/20/06	EPA 300.0	J
SS-7 10' (6I19002-07) Soil									
Chloride	10.6	5.00	mg/kg	10	EI62009	09/20/06	09/20/06	EPA 300.0	
SS-8 10' (6I19002-08) Soil									
Chloride	9.02	5.00	mg/kg	10	EI62009	09/20/06	09/20/06	EPA 300.0	
SS-9 10' (6I19002-09) Soil									
Chloride	17.2	5.00	mg/kg	10	EI62009	09/20/06	09/20/06	EPA 300.0	
SS-10 11' (6I19002-10) Soil									
Chloride	55.0	5.00	mg/kg	10	EI62009	09/20/06	09/20/06	EPA 300.0	
SS-11 10' (6I19002-11) Soil									
Chloride	J [2.08]	5.00	mg/kg	10	EI62009	09/20/06	09/20/06	EPA 300.0	J

Environmental Lab of Texas

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Environmental Lab of Texas.

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Ocotillo Environmental
2125 French Dr.
Hobbs NM, 88201

Project: Apache- NM State 5 #43
Project Number: None Given
Project Manager: Cindy Crain

Fax: (432) 367-6747

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
Batch EI62009 - Water Extraction									
Blank (EI62009-BLK1)				Prepared & Analyzed: 09/20/06					
Chloride	ND	0.500	mg/kg						
LCS (EI62009-BS1)				Prepared & Analyzed: 09/20/06					
Chloride	9.67	0.500	mg/kg	10.0		96.7	80-120		
Calibration Check (EI62009-CCV1)				Prepared & Analyzed: 09/20/06					
Chloride	11.8		mg/L	10.0		118	80-120		
Duplicate (EI62009-DUP1)		Source: 6I19002-01		Prepared & Analyzed: 09/20/06					
Chloride	15000	200	mg/kg		14800		1.34	20	
Duplicate (EI62009-DUP2)		Source: 6I19002-11		Prepared & Analyzed: 09/20/06					
Chloride	2.30	5.00	mg/kg		2.08		10.0	20	J
Matrix Spike (EI62009-MS1)		Source: 6I19002-01		Prepared & Analyzed: 09/20/06					
Chloride	20200	250	mg/kg	5000	14800	108	80-120		
Matrix Spike (EI62009-MS2)		Source: 6I19002-11		Prepared & Analyzed: 09/20/06					
Chloride	120	5.00	mg/kg	100	2.08	118	80-120		

Environmental Lab of Texas

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Ocotillo Environmental
2125 French Dr.
Hobbs NM, 88201

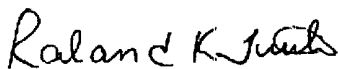
Project: Apache- NM State 5 #43
Project Number: None Given
Project Manager: Cindy Crain

Fax: (432) 367-6747

Notes and Definitions

J Detected but below the Reporting Limit; therefore, result is an estimated concentration (CLP J-Flag).
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: 9/22/2006

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.

This material is intended only for the use of the individual (s) or entity to whom it is addressed, and may contain information that is privileged and confidential.

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

pg 2 of 2

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

Project Name: Apache - NM State S #43

Project #:

Project Loc: Eunice, NM

PO #:

Report Format: ☐ Standard ☐ TRRP ☐ NPDES

Sampler Signature: Cindy Crain e-mail: Cindy.Crain@gmail.com

[illegible]

Environmental Lab of Texas
Variance/ Corrective Action Report- Sample Log-In

Client: Ocofillo
 Date/ Time: 9/19/06 9:10
 Lab ID #: 6E19002
 Initials: CL

Sample Receipt Checklist

	Yes	No	Client Initials
1 Temperature of container/ cooler?	Yes	No	1.0 °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)?	<u>Yes</u>	No	ID written on Container <u>Yes</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	
13 Samples properly preserved?	<u>Yes</u>	No	See Below
14 Sample bottles intact?	<u>Yes</u>	No	See Below
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	
18 All samples received within sufficient hold time?	<u>Yes</u>	No	See Below
19 VOC samples have zero headspace?	<u>Yes</u>	No	See Below
	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