

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: Apache Corporation Telephone: (432) 527-3311 e-mail address: Harold.Swain@usa.apachecorp.com
Address: P.O. Box 848 Wink, Texas 79789
Facility or well name: New Mexico State "S" # 49 #: 30-025-37609 U/L or Qtr/Qtr F Sec 2 T 22S R 37E
County: Lea Latitude N 32 deg 25.302' Longitude W 103 deg 08.085' NAD: 1927 ☒ 1983 ☐
Surface Owner: Federal ☐ State ☒ Private ☐ Indian ☐

Pit

Type: Drilling ☒ Production ☐ Disposal ☐
Workover ☐ Emergency ☐
Lined ☒ Unlined ☐
Liner type: Synthetic ☒ Thickness 12 mil Clay ☐
Pit Volume 7000 bbl

Below-grade tank

Volume: bbl Type of fluid:
Construction material:
Double-walled, with leak detection? Yes ☐ 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) 48 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 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 27, 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.

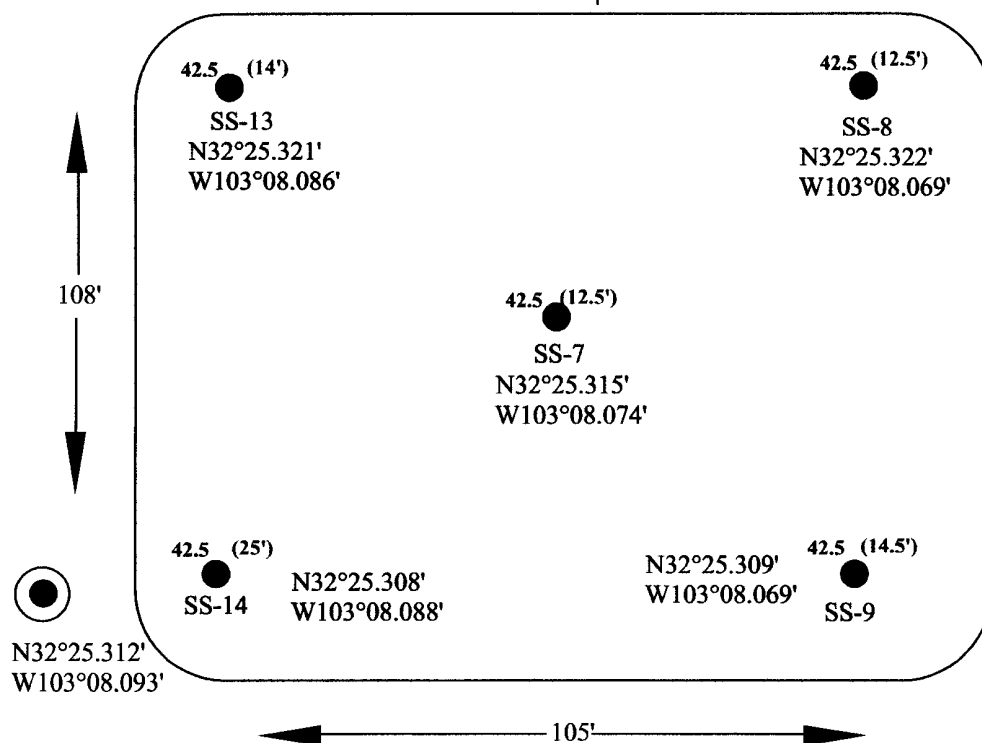
Approval:

Printed Name/Title L. Johnson - ENVIRONMENTAL

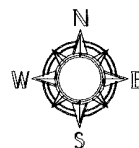
Signature [Signature]

Date: 12.5.06

Approximate Excavation Boundary

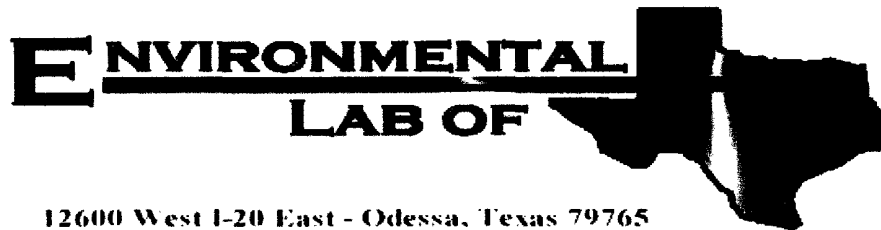


LEGEND	
<div>42.5 (12.5')</div> <div>SS-7</div>	Soil sample location taken 11/16/06, at a depth, bgs, with chloride concentration (mg/kg).
<div>Wellhead location</div>	
<div>N32°25.315'</div> <div>W103°08.074'</div>	GPS Coordinates



DATE:	11-22-06
NAME:	CHH
PROJECT NO.:	6-0813

FIGURE # 1	
LEA COUNTY, NEW MEXICO	
	New Mexico State "S" #49 Sec.23, T21S, R37E
Site Drawing (Not to Scale)	
Ocotillo	



Analytical Report

Prepared for:

Cindy Crain

Ocotillo Environmental

2125 French Dr.

Hobbs, NM 88201

Project: Apache- NM S State #49

Project Number: 6-0813

Location: Eunice, NM

Lab Order Number: 6K20006

Report Date: 11/22/06

Ocotillo Environmental
2125 French Dr.
Hobbs NM, 88201

Project: Apache- NM S State #49
Project Number: 6-0813
Project Manager: Cindy Crain

Fax: (432) 367-6747

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SS-7	6K20006-01	Soil	11/16/06 11:10	11-20-2006 08:15
SS-8	6K20006-02	Soil	11/16/06 11:15	11-20-2006 08:15
SS-9	6K20006-03	Soil	11/16/06 11:20	11-20-2006 08:15
SS-13	6K20006-04	Soil	11/16/06 14:20	11-20-2006 08:15
SS-14	6K20006-05	Soil	11/16/06 14:45	11-20-2006 08:15

Ocotillo Environmental
2125 French Dr.
Hobbs NM, 88201

Project: Apache- NM S State #49
Project Number: 6-0813
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-7 (6K20006-01) Soil									
Chloride	42.5	20.0	mg/kg Wet	2	EK62007	11/20/06	11/20/06	SW 846 9253	
SS-8 (6K20006-02) Soil									
Chloride	42.5	20.0	mg/kg Wet	2	EK62007	11/20/06	11/20/06	SW 846 9253	
SS-9 (6K20006-03) Soil									
Chloride	42.5	20.0	mg/kg Wet	2	EK62007	11/20/06	11/20/06	SW 846 9253	
SS-13 (6K20006-04) Soil									
Chloride	42.5	20.0	mg/kg Wet	2	EK62007	11/20/06	11/20/06	SW 846 9253	
SS-14 (6K20006-05) Soil									
Chloride	42.5	20.0	mg/kg Wet	2	EK62007	11/20/06	11/20/06	SW 846 9253	

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 S State #49
Project Number: 6-0813
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	%REC Limits	RPD	RPD Limit	Notes
Batch EK62007 - Water Extraction										
Blank (EK62007-BLK1)				Prepared & Analyzed: 11/20/06						
Chloride	ND	20.0	mg/kg Wet							
LCS (EK62007-BS1)				Prepared & Analyzed: 11/20/06						
Chloride	91.5	5.00	mg/kg Wet	100		91.5	80-120			
Matrix Spike (EK62007-MS1)				Source: 6K17018-20 Prepared & Analyzed: 11/20/06						
Chloride	1820	50.0	mg/kg Wet	500	1330	98.0	80-120			
Matrix Spike Dup (EK62007-MSD1)				Source: 6K17018-20 Prepared & Analyzed: 11/20/06						
Chloride	1810	50.0	mg/kg Wet	500	1330	96.0	80-120	0.551	20	
Reference (EK62007-SRM1)				Prepared & Analyzed: 11/20/06						
Chloride	50.0		mg/kg	50.0		100	80-120			

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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:

Raland K. Tuttle

Date:

11/22/2006

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.

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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

Company Name: Ocotillo Environmental, LLC

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

City/State/Zip: Hobbs, NM 88241

Telephone No: (505) 441-7244

Fax No: (432) 367-6747

Sampler Signature: Cassie Hobbs

e-mail: cindy.crain@gmail.com

Project Name: Apache - NM State #49

Project #: 6-0813

Project Loc: Enice, NM

PO #: _____

Report Format: ☒ Standard ☐ TRRP ☐ NPDES

(lab use only)

ORDER #: 660000

LAB # (lab use only)	FIELD CODE	Beginning Depth	Ending Depth	Date Sampled	Time Sampled	Field Filtered	Total #. of Containers	Ice	HNO ₃	HCl	H ₂ SO ₄	NaOH	Na ₂ S ₂ O ₃	None	Other (Specify)	DW=Drinking Water SL=Sludge GW = Groundwater S=SoilSolid NP=Non-Potable Specify Other	TPH: 41B.1 8015M 8015B	TPH: TX 1005 TX 1006	Calcions (Ca, Mg, Na, K)	Anions (Cl, SO ₄ , Alkalinity)	SAR / ESP / DEC	Metals: As Ag Ba Cd Cr Pb Hg S	Volatiles	SemiVolatiles	BTEX 8021B/5030 or BTEX 6280	RCI	N.O.R.M.	RUSH TAT (Pre-Schedule) 24, 48, 72 hrs	Standard TAT		
1	SS-7	12.5	12.5	11/16/06	11:10		1																								
2	SS-8	12.5	12.5		11:15		1																								
3	SS-9	14.5	14.5		11:20		1																								
4	SS-13	14	14		2:40		1																								
5	SS-14	25	25	↓	2:45		1							✓							✓										

Special Instructions:

Relinquished by:	Date	Time	Received by:	Date	Time
<u>Cassie Hobbs</u>	<u>11/20/06</u>	<u>8:15</u>			
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by ELOT:	Date	Time
			<u>Kevin Kelly</u>	<u>11/20/06</u>	<u>8:15</u>

Laboratory Comments:

Sample Containers Intact?	<u>Y</u>	<u>N</u>
VOCs Free of Headspace?	<u>Y</u>	<u>N/A</u>
Labels on Container(s)	<u>Y</u>	<u>N</u>
Custody seals on container(s)	<u>Y</u>	<u>N</u>
Custody seals on cooler(s)	<u>Y</u>	<u>N</u>
Sample Hand Delivered	<u>Y</u>	<u>N</u>
by Sample/Client Rep.?	<u>Y</u>	<u>N</u>
by Courier?	<u>Y</u>	<u>N</u>
UPS DHL FedEx Lone Star		
Temperature Upon Receipt:	<u>4.0</u>	<u>°C</u>

Environmental Lab of Texas

Variance/ Corrective Action Report- Sample Log-In

Client: Acufillo
 Date/ Time: 11/20/06 8:15
 Lab ID #: 6K70006
 Initials: CB

Sample Receipt Checklist

Client Initials

	Yes	No	4.0 °C	
#1 Temperature of container/ cooler?	Yes	No		
#2 Shipping container in good condition?	Yes	No		
#3 Custody Seals intact on shipping container/ cooler?	Yes	No	Not Present	
#4 Custody Seals intact on sample bottles/ container?	Yes	No	Not Present	
#5 Chain of Custody present?	Yes	No		
#6 Sample instructions complete of Chain of Custody?	Yes	No		
#7 Chain of Custody signed when relinquished/ received?	Yes	No		
#8 Chain of Custody agrees with sample label(s)?	Yes	No	ID written on Cont/Lid	
#9 Container label(s) legible and intact?	Yes	No	Not Applicable	
#10 Sample matrix/ properties agree with Chain of Custody?	Yes	No		
#11 Containers supplied by EL0T?	Yes	No		
#12 Samples in proper container/ bottle?	Yes	No	See Below	
#13 Samples properly preserved?	Yes	No	See Below	
#14 Sample bottles intact?	Yes	No		
#15 Preservations documented on Chain of Custody?	Yes	No		
#16 Containers documented on Chain of Custody?	Yes	No		
#17 Sufficient sample amount for indicated test(s)?	Yes	No	See Below	
#18 All samples received within sufficient hold time?	Yes	No	See Below	
#19 Subcontract of sample(s)?	Yes	No	Not Applicable	
#20 VOC samples have zero headspace?	Yes	No	Not Applicable	

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