

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

Form C- 144
June 1, 2004

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

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" # 46 #: 30-025-37603 U/L or Qtr/Qtr D Sec 2 T 22S R 37E
County: Lea Latitude N 32 deg 25.3751' Longitude W 103 deg 08.1911' 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 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 24, 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.

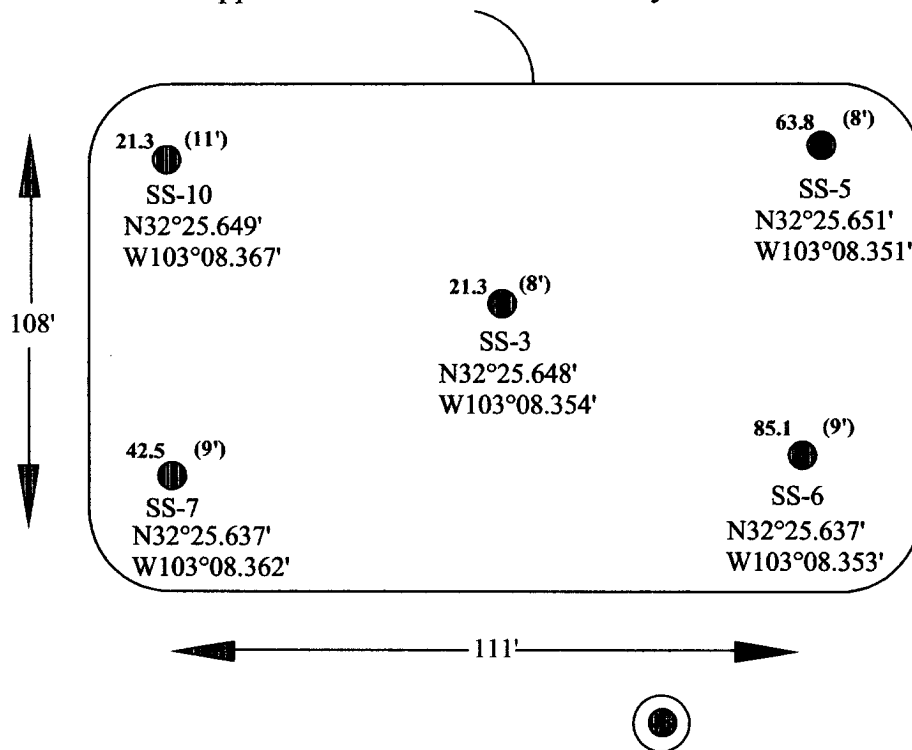
Approval:

Printed Name/Title L Johnson - Environmental Engineer

Signature L Johnson

Date: 10.26.06

Approximate Excavation Boundary

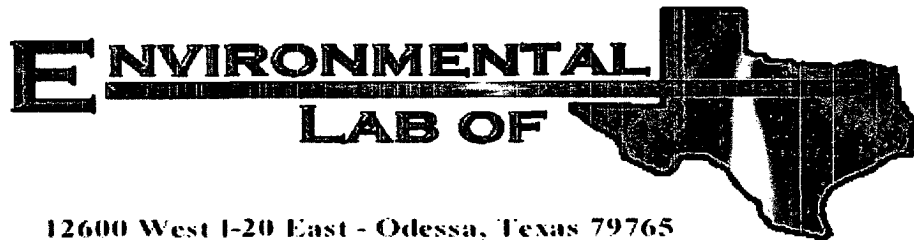


LEGEND	
21.3 (8') SS-3	Soil sample location taken on 9/18/06, at a depth, feet, with chloride concentration (mg/kg).
	Wellhead location
N32°25.648' W103°08.354'	GPS Coordinates



DATE: 10-23-06
NAME: CHH
PROJECT NO.: 6-0805

FIGURE # 1	
LEA COUNTY, NEW MEXICO	
	New Mexico State "S" #46 Sec.2, T22S, R37E
Site Drawing (Not to Scale)	
Ocotillo ENVIRONMENTAL	



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 S #46

Project Number: None Given

Location: Eunice, NM

Lab Order Number: 6J18003

Report Date: 10/23/06

Ocotillo Environmental
2125 French Dr.
Hobbs NM, 88201

Project: Apache- NM State S #46
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	6J18003-01	Soil	10/16/06 11:27	10-17-2006 16:45
SS-2	6J18003-02	Soil	10/16/06 11:30	10-17-2006 16:45
SS-3	6J18003-03	Soil	10/16/06 11:34	10-17-2006 16:45
SS-4	6J18003-04	Soil	10/16/06 11:37	10-17-2006 16:45
SS-5	6J18003-05	Soil	10/16/06 11:40	10-17-2006 16:45
SS-6	6J18003-06	Soil	10/16/06 12:05	10-17-2006 16:45
SS-7	6J18003-07	Soil	10/16/06 12:08	10-17-2006 16:45
SS-8	6J18003-08	Soil	10/16/06 12:10	10-17-2006 16:45
SS-9	6J18003-09	Soil	10/16/06 12:30	10-17-2006 16:45
SS-10	6J18003-10	Soil	10/16/06 13:10	10-17-2006 16:45

Ocotillo Environmental
2125 French Dr.
Hobbs NM, 88201

Project: Apache- NM State S #46
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 (6J18003-01) Soil									
Chloride	425	20.0	mg/kg Wet	2	EJ61410	10/19/06	10/21/06	SW 846 9253	
SS-2 (6J18003-02) Soil									
Chloride	277	20.0	mg/kg Wet	2	EJ61410	10/19/06	10/21/06	SW 846 9253	
SS-3 (6J18003-03) Soil									
Chloride	21.3	20.0	mg/kg Wet	2	EJ61410	10/19/06	10/21/06	SW 846 9253	
SS-4 (6J18003-04) Soil									
Chloride	574	20.0	mg/kg Wet	2	EJ61410	10/19/06	10/21/06	SW 846 9253	
SS-5 (6J18003-05) Soil									
Chloride	63.8	20.0	mg/kg Wet	2	EJ61410	10/19/06	10/21/06	SW 846 9253	
SS-6 (6J18003-06) Soil									
Chloride	85.1	20.0	mg/kg Wet	2	EJ61410	10/19/06	10/21/06	SW 846 9253	
SS-7 (6J18003-07) Soil									
Chloride	42.5	20.0	mg/kg Wet	2	EJ61410	10/19/06	10/21/06	SW 846 9253	
SS-8 (6J18003-08) Soil									
Chloride	1790	20.0	mg/kg Wet	2	EJ61410	10/19/06	10/21/06	SW 846 9253	
SS-9 (6J18003-09) Soil									
Chloride	723	20.0	mg/kg Wet	2	EJ61410	10/19/06	10/21/06	SW 846 9253	
SS-10 (6J18003-10) Soil									
Chloride	21.3	20.0	mg/kg Wet	2	EJ61410	10/19/06	10/21/06	SW 846 9253	

Ocotillo Environmental
2125 French Dr.
Hobbs NM, 88201

Project: Apache- NM State S #46
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 EJ61410 - Water Extraction									
Blank (EJ61410-BLK1)		Prepared: 10/14/06 Analyzed: 10/21/06							
Chloride	ND	20.0	mg/kg Wet						
LCS (EJ61410-BS1)		Prepared: 10/14/06 Analyzed: 10/21/06							
Chloride	93.6	5.00	mg/kg Wet	100		93.6	80-120		
Matrix Spike (EJ61410-MS1)		Source: 6J13013-03		Prepared: 10/14/06 Analyzed: 10/21/06					
Chloride	521	20.0	mg/kg Wet	500	0.00	104	80-120		
Matrix Spike Dup (EJ61410-MSD1)		Source: 6J13013-03		Prepared: 10/14/06 Analyzed: 10/21/06					
Chloride	532	20.0	mg/kg Wet	500	0.00	106	80-120	2.09	20
Reference (EJ61410-SRM1)		Prepared: 10/14/06 Analyzed: 10/21/06							
Chloride	51.0		mg/kg	50.0		102	80-120		

Ocotillo Environmental
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Hobbs NM, 88201

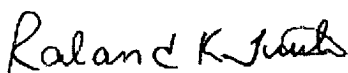
Project: Apache- NM State S #46
Project Number: None Given
Project Manager: Cindy Crain

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:

10/23/2006

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.

Environmental Lab of Texas

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

12800 West I-20 East
Odessa, Texas 79765
Phone: 432-563-1800
Fax: 432-563-1713


Project Manager: Cindy Crain

Company Name Ocotillo Environmental

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

City/State/Zip: Hobbs, NM 88241

Telephone No: (505) 441-7244

Sampler Signature: 

e-mail: cindy.crain@gmail.com

Fax No: (432) 367-6747

Report Format:

☒ Standard

☐ TRRP

☐ NPDES

Project #:

Project Loc: Enice, NM

PO #:

Project Name: Apache - NM State S #40

(lab use only)

ORDER #: 6518003

LAB # (lab use only)	FIELD CODE	Beginning Depth	Ending Depth	Date Sampled	Time Sampled	No. of Containers	402912	Ice	HNO ₃	HCl	H ₂ SO ₄	NaOH	Na ₂ SO ₄	None	Other (Specify)	DW=Drinking Water SL=Sludge GW=Groundwater S=Soil/Sediment NP=Non-Protective Specify Other	TPH: 418.1 8015M 1005 1006	Cations (Ca, Mg, Na, K)	Anions (Cl, SO ₄ , CO ₃ , HCO ₃)	SAR / ESP / CEC	Metals: As Ag Ba Cd Cr Pb Hg Se	Volatiles	Semivolatiles	BTEX 8021B/5030 or BTEX 6260	RCI	N.O.R.M.		RUSH TAT (Pre-Schedule) 24, 48, 72 hrs	Standard TAT	
201	SS-1	8'	8'	10/10/00	11:27	1																								
202	SS-2	8'	8'	10/10/00	11:30	1																								
203	SS-3	8'	8'		11:34	1																								
204	SS-4	8'	8'		11:37	1																								
205	SS-5	8'	8'		11:40	1																								
206	SS-6	9'	9'		12:05	1																								
207	SS-7	9'	9'		12:08	1																								
208	SS-8	9'	9'		12:10	1																								
209	SS-9	10'	10'		12:30	1																								
210	SS-10	11'	11'		1:10	1																								

Special Instructions:

Relinquished by: Cindy Crain

Date: 10/10/00

Time: 4:45

Received by:

Relinquished by:

Date:

Time:

Received by:

Relinquished by:

Date:

Time:

Received by: Cindy Crain

Laboratory Comments:

Sample Containers Intact? Y

VOCs Free of Headspace? Y

Custody seals on container(s)? Y

Custody seals on cooler(s)? Y

Sample Hand Delivered? Y

by Sample Client Rep.? Y

by Courier? Y

DHL Y

FedEx Y

Lone Star Y

Temperature Upon Receipt: 30 °C

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

Client: Acotillo Env.
Date/ Time: 10/18/06 8:45
Lab ID #: 6518003
Initials: CK

Sample Receipt Checklist

Client Initials

#1 Temperature of container/ cooler?	Yes	No	3.0 ° 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 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