

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" # 54</u> #: <u>30-025-38119</u> U/L or Qtr/Qtr <u>M</u> Sec <u>2</u> T <u>22S</u> R <u>37E</u> | | |
| County: <u>Lea</u> Latitude <u>N 32 deg 24.980'</u> Longitude <u>W 103 deg 08.372'</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) 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: December 28, 2006

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

Signature Cindy Crain

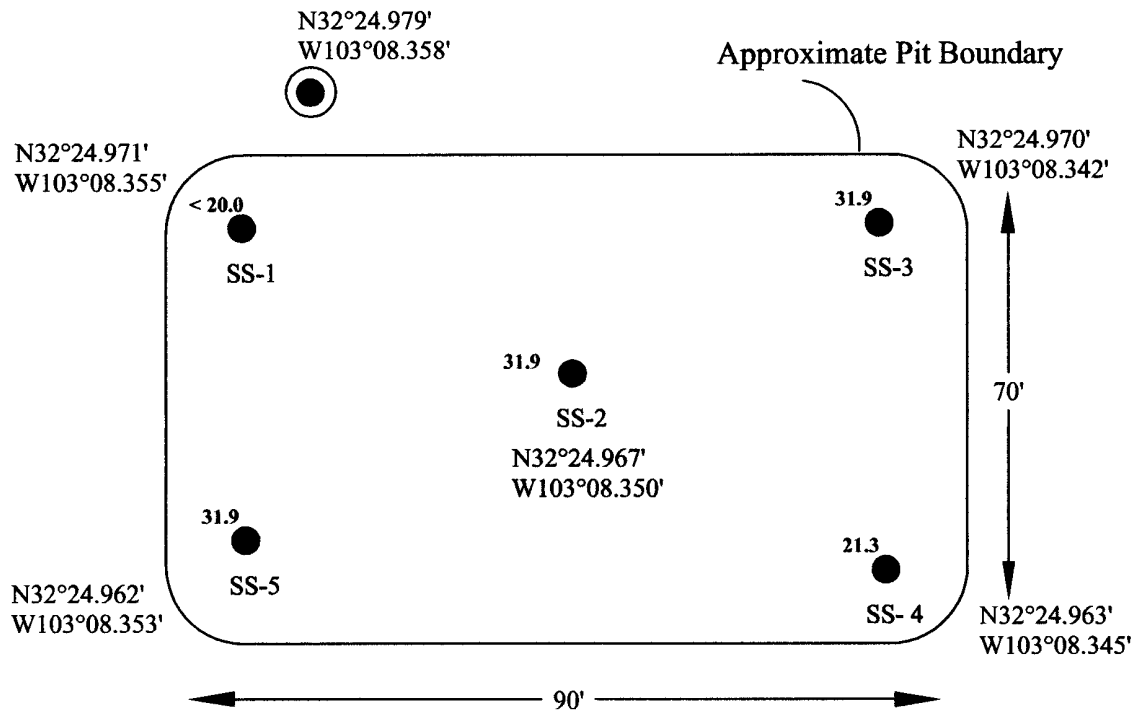
Your certification and NMOCD approval of this application/closure does not relieve the operator of liability should the contents of the pit or tank contaminate ground water or otherwise endanger public health or the environment. Nor does it relieve the operator of its responsibility for compliance with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

Approval:

Printed Name/Title L. Johnson - Executive Engineer

Signature L. Johnson

Date: 1-4-07

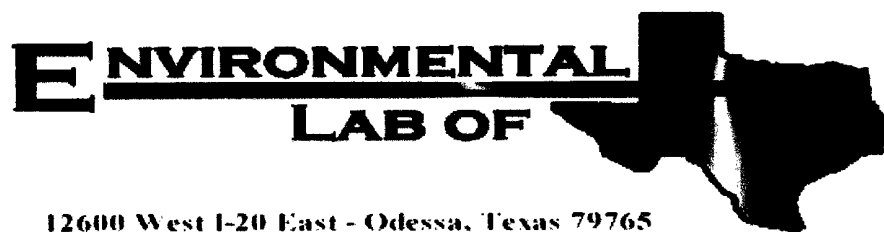


| LEGEND | |
|--------------------------|---|
| | Soil sample location taken on 12/06/06, at a depth of 6 feet, with field analysis chloride concentration (mg/kg). |
| | Well location |
| N32°24.971' W103°08.355' | GPS Coordinates |



DATE: 12-17-06
NAME: CHH
PROJECT NO.: 6-0802

| FIGURE # 2 | |
|--------------------------------|--|
| LEA COUNTY, NEW MEXICO | |
| | New Mexico State "S" #54 U.L.J, Sec.2, T22S, R37E |
| Site Drawing (Not to Scale) | |
| Ocotillo ENVIRONMENTAL | |



Analytical Report

Prepared for:

Cindy Crain

Ocotillo Environmental

2125 French Dr.

Hobbs, NM 88201

Project: Apache- NM S State #54

Project Number: None Given

Location: Eunice, NM

Lab Order Number: 6L07006

Report Date: 12/15/06

Ocotillo Environmental
2125 French Dr.
Hobbs NM, 88201

Project: Apache- NM S State #54
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 | 6L07006-01 | Soil | 12/06/06 13:00 | 12-06-2006 20:09 |
| SS-2 | 6L07006-02 | Soil | 12/06/06 13:05 | 12-06-2006 20:09 |
| SS-3 | 6L07006-03 | Soil | 12/06/06 13:07 | 12-06-2006 20:09 |
| SS-4 | 6L07006-04 | Soil | 12/06/06 13:10 | 12-06-2006 20:09 |
| SS-5 | 6L07006-05 | Soil | 12/06/06 13:11 | 12-06-2006 20:09 |

✓

Ocotillo Environmental
2125 French Dr.
Hobbs NM, 88201

Project: Apache- NM S State #54
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 (6L07006-01) Soil | | | | | | | | | |
| Chloride | ND | 20.0 | mg/kg Wet | 2 | EL60809 | 12/13/06 | 12/14/06 | SW 846 9253 | |
| SS-2 (6L07006-02) Soil | | | | | | | | | |
| Chloride | 31.9 | 20.0 | mg/kg Wet | 2 | EL60809 | 12/13/06 | 12/14/06 | SW 846 9253 | |
| SS-3 (6L07006-03) Soil | | | | | | | | | |
| Chloride | 31.9 | 20.0 | mg/kg Wet | 2 | EL60809 | 12/13/06 | 12/14/06 | SW 846 9253 | |
| SS-4 (6L07006-04) Soil | | | | | | | | | |
| Chloride | 21.3 | 20.0 | mg/kg Wet | 2 | EL60809 | 12/13/06 | 12/14/06 | SW 846 9253 | |
| SS-5 (6L07006-05) Soil | | | | | | | | | |
| Chloride | 31.9 | 20.0 | mg/kg Wet | 2 | EL60809 | 12/13/06 | 12/14/06 | 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 #54
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 | %REC Limits | RPD | RPD Limit | Notes |
|---------|--------|--------------------|-------|----------------|------------------|------|----------------|-----|--------------|-------|
|---------|--------|--------------------|-------|----------------|------------------|------|----------------|-----|--------------|-------|

Batch EL60809 - Water Extraction

Blank (EL60809-BLK1) Prepared: 12/13/06 Analyzed: 12/14/06

Chloride ND 10.0 mg/kg Wet

LCS (EL60809-BS1) Prepared & Analyzed: 12/14/06

Chloride 91.5 5.00 mg/kg Wet 100 91.5 80-120

Matrix Spike (EL60809-MS1) Source: 6L07006-01 Prepared: 12/13/06 Analyzed: 12/14/06

Chloride 510 20.0 mg/kg Wet 500 0.00 102 80-120

Matrix Spike Dup (EL60809-MSD1) Source: 6L07006-01 Prepared: 12/13/06 Analyzed: 12/14/06

Chloride 500 20.0 mg/kg Wet 500 0.00 100 80-120 1.98 20

Reference (EL60809-SRM1) Prepared & Analyzed: 12/14/06

Chloride 51.0 mg/kg 50.0 102 80-120

Environmental Lab of Texas

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Ocotillo Environmental
2125 French Dr.
Hobbs NM, 88201

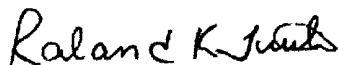
Project: Apache- NM S State #54
Project Number: None Given
Project Manager: Cindy Crain

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: 12/15/2006

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
Sampler Signature: Cassie Hobbs
Fax No: (432) 387-6747
e-mail: cindy.crain@gmail.com

Project Name: NM State #54 - Apache
Project #: _____
Project Loc: Funice, NM
PO #: _____
Report Format: ☒ Standard ☐ TRRP ☐ NPDES

| (lab use only) | | Analyze For: | |
|---|--|--------------------------------|--------------------------------|
| ORDER #: | LAB # (lab use only) | TCLP: | TOTAL: |
| 1107000 | | | |
| FIELD CODE | Beginning Depth | Ending Depth | Date Sampled |
| SS-1 | 6' | 6' | 12/6/06 |
| SS-2 | | | 1:00 |
| SS-3 | | | 1:05 |
| SS-4 | | | 1:07 |
| SS-5 | | | 1:10 |
| | | | 1:11 |
| Time Sampled | Field Filtered | Total # of Containers | Ice |
| | | | |
| Preservation & # of Containers | | | |
| HNO ₃ | HCl | H ₂ SO ₄ | NaOH |
| Na ₂ S ₂ O ₃ | None | Other (Specify) | |
| DW - Drinking Water St. Gauge | GW - Groundwater S-Salt/Solid | NP - Non-Petroleum | Specify Other |
| TPH: 418.1 | TPH: 8015M | TX 1005 | TX 1006 |
| Cations (Ca, Mg, Na, K) | Anions (Cl, F, SO ₄ , Alkalinity) | SAR / ESP / CEC | Metal: As Ag Ba Cd Cr Pb Hg Se |
| Volatiles | Semivolatiles | BTEX 8021B0030 or BTEX 8290 | RCI |
| N.O.M. | | | |
| RUSH TAT (Pre-Schedule) 24, 48, 72 hrs | Standard TAT | | |

| Special Instructions: | | | | Laboratory Comments: | | | |
|-----------------------|---------|-------|--------------|----------------------|-------|--|--|
| Relinquished by: | Date: | Time: | Received by: | Date: | Time: | Sample Containers Intact? | |
| Cassie Hobbs | 12/6/06 | 8:09 | | | | VOCs Free of Headspace? | |
| Relinquished by: | Date: | Time: | Received by: | Date: | Time: | Labels on container(s)? | |
| | | | | | | Custody seals on container(s)? | |
| Relinquished by: | Date: | Time: | Received by: | Date: | Time: | Custody seals on cooler(s)? | |
| | | | | | | Sample Hand Delivered? | |
| | | | | | | by Sample Client Rep? | |
| | | | | | | by Courier: UPS, DHL, FedEx, Lone Star | |
| | | | | | | Temperature Upon Receipt: 12.0 °C | |

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

Client: Ocotillo Env.
 Date/ Time: 12/6/06 20:00
 Lab ID #: 6L07006
 Initials: ck

Sample Receipt Checklist

Client Initials

| | | | | | |
|-----|--|----------------|----|---------------------------|--|
| #1 | Temperature of container/ cooler? | Yes | No | 12.0 °C | |
| #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 ELOT? | 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