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

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

Form C- 144

June 1, 2004

| 1220 S. St. Francis Dr., Santa Fe, NM 87505   | anta Fe, NM 87505   |  |  |  |  |  |  |  |
|---|---|--|--|--|--|--|--|--|
| Pit or Below-Grade Tank Registration of Closure<br>Is pit or below-grade tank covered by a "general plan"? Yes I No X<br>Type of action: Registration of a pit or below-grade tank Closure of a pit or below-grade tank X   |   |  |  |  |  |  |  |  |
| Type of action: Registration of a pit of oction: Registration of a pit of action: Registration of action: Registration: Registratic: Registration: Registration: Registratic: Reg | e-mail address: <u>Doug@</u><br>U/L or Qtr/Qtr <u>H</u> Sec <u>35</u> T <u>14S</u><br>671' Longitude <u>W 103 deg 09.805'</u> | SaberResources.com<br>RNAD: 1927 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 |  |  |  |  |  |  |
| Pit   Type: Drilling Ø Production ☐ Disposal ☐   Workover ☐ Emergency ☐   Lined Ø Unlined ☐   Liner type: Synthetic Ø Thickness 20 mil   Clay ☐   Pit Volume bbl  | Below-grade tank<br>Volume:bbl Type of fluid:<br>Construction material:<br>Double-walled, with leak detection? Yes [] If not  | explain we not. Ocobys Oc  |  |  |  |  |  |  |
| Depth to ground water (vertical distance from bottom of pit to seasonal high water elevation of ground water.)  | Less than 50 feet<br>50 feet or more, but less than 100 feet<br>100 feet or more  | (20 points) 70 Feet<br>( 0 points) 70 Feet                           |  |  |  |  |  |  |
| Wellhead protection area: (Less than 200 feet from a private domestic water source, or less than 1000 feet from all other water sources.)   | Yes<br>No   | (20 points)<br>( 0 points)   |  |  |  |  |  |  |
| Distance to surface water: (horizontal distance to all wetlands, playas, irrigation canals, ditches, and perennial and ephemeral watercourses.)   | Less than 200 feet<br>200 feet or more, but less than 1000 feet<br>1000 feet or more  | (20 points)<br>(10 points)<br>( 0 points)                            |  |  |  |  |  |  |
|   | Ranking Score (Total Points)  | 10   |  |  |  |  |  |  |

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 your are burying in place) onsite  $\boxtimes$  offsite  $\square$  If offsite, name of facility\_\_\_\_\_\_. (3) Attach a general description of remedial action taken including remediation start date and end date. (4) Groundwater encountered: No  $\square$  Yes  $\square$  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 burial pit was constructed adjacent to the drilling pit and lined with a 12 ml liner.

The liner and impacted material were placed in the burial pit, completely encapsulated and capped with a 20 ml liner, and covered with 3 feet of topsoil to grade.

Hydrocarbon impacted material was disposed at an NMOCD approved facility.

Samples were collected below the liner and results are attached to this 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: March 3, 2007 Printed Name/Title: \_\_\_\_Doug Keathley Signature llan 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. Co CLOSE Approval: Date: 4.6.07 JOHNSON - ENVIR ENCR Printed Name/Title L Signature S





A Xenco Laboratories Company

# Analytical Report

# **Prepared for:**

Cindy Crain Ocotillo Environmental 2125 French Dr. Hobbs, NM 88201

Project: Saber - TD Pope 35 #2 Project Number: 6-1202 Location: Lovington, NM

Lab Order Number: 7C07002

Report Date: 03/08/07

Ocotillo Environmental 2125 French Dr. Hobbs NM, 88201 Project: Saber - TD Pope 35 #2 Project Number: 6-1202 Project Manager: Cindy Crain Fax: (432) 367-6747

#### ANALYTICAL REPORT FOR SAMPLES

| Sample ID | Laboratory ID | Matrix | Date Sampled   | Date Received    |
|-----------|---------------|--------|----------------|------------------|
| SS-2      | 7C07002-01    | Soil   | 03/06/07 09:45 | 03-07-2007 07:25 |
| SS-3      | 7C07002-02    | Soil   | 03/06/07 09:54 | 03-07-2007 07:25 |
| SS-4      | 7C07002-03    | Soil   | 03/06/07 09:58 | 03-07-2007 07:25 |
| SS-5      | 7C07002-04    | Soil   | 03/06/07 10:01 | 03-07-2007 07:25 |
| SS-6      | 7C07002-05    | Soil   | 03/06/07 10:06 | 03-07-2007 07:25 |

Project Number: 6-1202

Project Manager: Cindy Crain

#### General Chemistry Parameters by EPA / Standard Methods

**Environmental Lab of Texas** 

| Analyte                     | Result                                 | Reporting<br>Limit | Units     | Dilution | Batch   | Prepared | Analyzed | Method      | Notes |
|-----------------------------|--|--------------------|-----------|----------|---------|----------|----------|-------------|-------|
| SS-2 (7C07002-01) Soil      | ······································ |                    |           |          |         |          |          |             |       |
| Chloride                    | 138                                    | 20.0               | mg/kg Wet | 2        | EC70705 | 03/07/07 | 03/07/07 | SW 846 9253 |       |
| SS-3 (7C07002-02) Soil      |  |                    |           |          |         |          |          |             |       |
| Chloride                    | 128                                    | 20.0               | mg/kg Wet | 2        | EC70705 | 03/07/07 | 03/07/07 | SW 846 9253 |       |
| SS-4 (7C07002-03) Soil      |  |                    |           |          |         |          |          |             |       |
| Chloride                    | 128                                    | 20.0               | mg/kg Wet | 2        | EC70705 | 03/07/07 | 03/07/07 | SW 846 9253 |       |
| SS-5 (7C07002-04) Soil      |  |                    |           |          |         | _        |          |             |       |
| Chloride                    | 128                                    | 20.0               | mg/kg Wet | 2        | EC70705 | 03/07/07 | 03/07/07 | SW 846 9253 |       |
| SS-6 (7C07002-05) Soil<br>— |  |                    |           |          |         |          |          |             |       |
| Chloride                    | 128                                    | 20.0               | mg/kg Wet | 2        | EC70705 | 03/07/07 | 03/07/07 | SW 846 9253 |       |
|                             |  |                    |           |          |         |          |          |             |       |

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#### General Chemistry Parameters by EPA / Standard Methods - Quality Control

#### **Environmental Lab of Texas**

|  |          | Reporting   |           | Spike      | Source    |          | %REC   |      | RPD   |       |
|--|----------|-------------|-----------|------------|-----------|----------|--------|------|-------|-------|
| Analyte                                | Result   | Limit       | Units     | Level      | Result    | %REC     | Limits | RPD  | Limit | Notes |
| Batch EC70705 - General Preparation (V | WetChem) |             |           |            |           |          |        |      |       |       |
| Blank (EC70705-BLK1)                   |          |             |           | Prepared & | Analyzed: | 03/07/07 |        |      |       |       |
| Chloride                               | ND       | 20.0        | mg/kg Wet |            |           |          |        |      |       |       |
| LCS (EC70705-BS1)                      |          |             |           | Prepared & | Analyzed: | 03/07/07 |        |      |       |       |
| Chloride                               | 92.5     | 8.00        | mg/kg Wet | 100        |           | 92.5     | 80-120 |      |       |       |
| Matrix Spike (EC70705-MS1)             | Sour     | ce: 7B28004 | -01       | Prepared & | Analyzed: | 03/07/07 |        |      |       |       |
| Chloride                               | 915      | 40.0        | mg/kg Wet | 1000       | 10.6      | 90.4     | 80-120 |      |       |       |
| Matrix Spike Dup (EC70705-MSD1)        | Sour     | e: 7B28004  | -01       | Prepared & | Analyzed: | 03/07/07 |        |      |       |       |
| Chloride                               | 893      | 40.0        | mg/kg Wet | 1000       | 10.6      | 88.2     | 80-120 | 2.43 | 20    |       |
| Reference (EC70705-SRM1)               |          |             |           | Prepared & | Analyzed: | 03/07/07 |        |      |       |       |
| Chloride                               | 51.0     | 8.00        | mg/kg Wet | 50.0       |           | 102      | 80-120 |      |       |       |

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| Ocotillo Environmental |
|------------------------|
| 2125 French Dr.        |
| Hobbs NM, 88201        |

#### **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:

3/8/2007

Date:

Brent Barron, Laboratory Director/Corp. Technical Director Celey D. Keene, Org. Tech Director Raland K. Tuttle, Laboratory Consultant James Mathis, QA/QC Officer Jeanne Mc Murrey, Inorg. Tech Director

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| En  | vironment                           | al Lab of T   | exa               | S              |                              |              |                |   |                  | C/<br>Vesti-<br>, Texa                | 20 E:            | ast   | CUS                      | TOD                        |                     |             |         |                         | -                        | Pho<br>Fai                      | <b>nie:</b><br>K:       | 432-5<br>432-5                    | 163-1<br>163-1             | 800<br>713       |              |   |
|---|-------------------------------------|---|-------------------|----------------|------------------------------|--------------|----------------|---|------------------|---------------------------------------|------------------|---|--------------------------|----------------------------|---------------------|-------------|---------|-------------------------|--------------------------|---------------------------------|-------------------------|-----------------------------------|----------------------------|------------------|--------------|---|
|   | Project Manager:                    | Cindy Crain   |                   |                |                              |              | -              |   | ·                |                                       |                  |   |                          | •                          | Pro                 | ject        | Nam     | ю:                      | Sa                       | 6                               | er.                     | - 7                               | 0                          | Pop              | 23           | 35#2  |
|   | Company Name                        | Ocotilio Environmental, L   | LC                |                |                              |              |                |   |                  |                                       |                  |   |                          |                            |                     | Pro         | ject    | #:                      | 4                        | Co                              | - /                     | 2                                 | 0                          | 2                |              |   |
|   | Company Address:                    | 2125 French Drive, P.O.   | Box 1816          | 3              |                              |              |                |   |                  |                                       |                  |   |                          | -                          | P                   | rojec       | at Lo   | )G:                     | 6                        | 10                              | vin                     | ati                               | m                          | .Λ               | M            | 1   |
|   | City/State/Zip:                     | Hobbs, NM 88241   |                   |                |                              |              |                | 4   |                  |                                       |                  |   |                          | -                          |                     |             | PO      |                         |                          |                                 | Ľ                       | )                                 |                            |                  |              |   |
|   | Telephone No:                       | (505) 441-7244  |                   |                | · · · · ·                    | Fax No:      | <br>/          | (432) 3                                     | 67.87            | 747                                   |                  |   |                          | Pe                         | nor                 | For         |         |                         | Ksu                      | anda                            | rd                      | 1                                 | אד [                       | RP               | <br>[1]      | NPDES                                       |
| ·.  | Sampler Signature:                  | TR  | b                 | la             |                              | e-mail:      | ~              | cind  |                  |                                       | ame              |   |                          |                            | 4011                |             | FIGLES  | 7                       | µ ~ 0 0                  |                                 |                         | L                                 |                            |                  | <b>ل</b> ينا |   |
|   | ·                                   | - Cassa   | A                 | 24             | 01-                          | 9-111QU.     | 5              |   | .019             | in nuz                                | 81116            | 11.0  | VIII                     |                            | -                   |             |         |                         |                          |                                 | nalyz                   | e For                             |                            | ,                |              |   |
| in the second second  | e only)                             |   |                   |                |                              |              |                |   |                  |                                       |                  |   |                          | <b>-</b>                   |                     |             |         |                         | TCLP                     |                                 |                         |                                   |                            |                  |              | 72 this                                     |
|   | <u>ः क#: 700 10</u><br>27858        |   |                   |                |                              |              |                | :<br>1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1. | Preser           | rvalion á                             | # of C           | Contali                                       | ners                     | Mer<br>Spag                | <b>_</b>            | M 8015B     | TX 1006 | 0                       | í ántre                  | s Pb Hg Se                      |                         |                                   |                            |                  |              | 11 C  |
| (abo use conty)   |                                     |   | Beginning Cepth   | Depth          | Date Sampled                 | Time Sampled | red.           | Containers                                  |                  |                                       |                  |   | specify)                 | ng Water SL=6              | otable Specify Othe | 418.1 B015M | TX 1005 | Calions (Ca. Mg. Na. K) | SAR / ESP / CEC          | Metals: As Ag Ba Cd Cr Pb Hg Se |                         | Mes<br>34 bronan ar               | BIEA WEIGHAUN & DIEA WEIGH |                  |              | RUSH TAT (Pre. Schoodel (2)<br>Standard TAT |
| AB<br>#   |                                     | -D CODE   | Beginni           | Ending Depth   | Date S                       |              | Field Filtered | Total # of                                  | HNO3             | HCI<br>H <sub>2</sub> SO <sub>4</sub> | HOPH             | Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> | None<br>Olher ( Specify) | DW=Drinking<br>GW = Guntin | NP:::Non-Potable    |             | Ť       | Cations (               | SAR / ESP / CEC          | Metals: A                       | Votaties                | Semivolaties                      |                            | N.O.R.M.         |              |   |
| <u>)o~</u>  |                                     | 5-2   | 7'                | 2'             | 3/6/07                       | 9:45         |                | (   |                  |                                       | ┢╌╽              |   | 4                        | 4                          | 2                   | <b> </b>    |         | 4                       | 4                        | 1                               | $\left  - \right $      |                                   |                            |                  |              |   |
| 201   |                                     |   | 11                | ++<br> +       | 5.f<br>1.c                   | 9:54         | -              |   |                  |                                       | ┝┥               |   | $\checkmark$             | '                          |                     |             | +       | 1                       | 4                        | ╋                               | $\vdash$                |                                   | ╋                          | ┼┼               |              | V   |
| 04  |                                     | and the second se | 11                | . '            |                              | 10:01        | -              |   | ┝╼┽              |                                       | ┢┥               |   |                          |                            | <u> </u>            | ┠┤          | -+      |                         | $\hbar$                  | ╈                               | $\left  - \right $      | -+-                               | ┿                          | ╆╌┼              | -+           |   |
| -05   |                                     |   | $\mathcal{B}^{1}$ | 8'             | 41                           | 10:06        |                | 1 .   |                  |                                       |                  |   | V                        | 7                          | t                   |             |         | ,                       |                          |                                 |                         |                                   |                            |                  |              |   |
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|   |                                     | •   |                   |                |                              |              | _              |   |                  |                                       | $\left  \right $ |   |                          | <b> </b>                   |                     |             | -+      | +                       | +-                       | +                               |                         |                                   | +                          | $\left  \right $ | +            | ┝╍┨╶┼╌┤                                     |
|   | <u></u>                             |   |                   |                |                              |              | +              | -   | $\left  \right $ |                                       | ┢╌┥              | +   | +                        | <u> </u>                   |                     |             |         | +                       | +-                       | ┝                               | +                       |                                   |                            | ┝╍┝╸             |              | ┼╍╂╌┼╌┤                                     |
|   | 1991                                | ······································  | +                 |                |                              |              | ╶┼             | <u> </u>                                    | ++               |                                       | ╞┤               | -†  | +                        | <u> </u>                   |                     |             | ┯╋      |                         | ╋                        | +                               |                         |                                   | +                          | ╋╼╊              | +            |   |
| Specia  | l Instructions;                     |   | - <b>1</b>        | <b></b>        |                              |              |                |   | £                |                                       |                  | <i>i</i> , ,                                  |                          | <b>.</b>                   |                     | <b></b>     | ĺ       | Samp                    | ile Co                   | ontai                           | nera                    | ente:<br>Intact<br>space          | ?                          |                  | Ý            | N<br>N                                      |
|   | lished by:<br>assecto<br>fished by: | B62 3/7/07<br>Date  | 7:1               | me<br>75<br>me | Received by:<br>Received by: |              |                |   |                  |                                       |                  |   |                          | ate                        |                     | Time        |         | Lebe<br>Custo<br>Custo  | s on<br>xdy se<br>xdy se | conti<br>sals<br>sals           | ainer<br>on cc<br>on cc | (3)<br>Intelni<br>Ioler(s<br>Pred | er(s)<br>)                 |                  | ≈¥<br>¥      | N<br>N<br>N<br>N                            |
|   | ished by:                           | Date  |                   | me             | Received by EL               | OT:          |                |   |                  |                                       |                  | <u></u>                                       |                          |                            |                     | Time        |         | d<br>D                  | y San<br>y.Cou           | nplen/<br>irier?                | /Cilen                  | t Rep<br>UPS<br>Recei             | ?<br>DH<br>ィン              | IL F             | Y<br>edEx    | N<br>Lone Star                              |

# Environmental Lab of Texas

Variance/ Corrective Action Report- Sample Log-In

| Client;     | _Ocohllo Env. |      |  |
|-------------|---------------|------|--|
| Date/ Time: | 03/07/07      | 1:25 |  |
| Lab ID # :  | 7001002       |      |  |
| Initials:   | Pm            |      |  |

# Sample Receipt Checklist

| #1   | Temperature of container/ cooler?                      | Ven  |           | Client Initials                                       |
|------|--|--|-----------|---|
| #2   | Shipping container in good condition?                  | Yes  | <u>No</u> | <u>    (e c     °C                               </u> |
|      |  | Yes  | <u>No</u> |   |
| #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        | Dwritten on Cont./Lid                                 |
| #9   | Container label(s) legible and intact?                 | Yes  | No        | Not Applicable  |
| #10  | Sample matrix/ properties agree with Chain of Custody? | (res)  | No        | Cocraptinearite                                       |
| #11  | Containers supplied by ELOT?                           | Xes  | No        |   |
| #12  | Samples in proper container/ bottle?                   | Yes  | No        | See Below   |
| #13  | Samples properly preserved?                            | Yes  | No        |   |
| #14  | Sample bottles intact?                                 | (es)   | No        | See Below   |
| #15  | Preservations documented on Chain of Custody?          | Yes  | No        |   |
| #16  | Containers documented on Chain of Custody?             | des_   | No        |   |
| #17  | Sufficient sample amount for indicated test(s)?        | (Yes)  | No        | Coo Delui   |
| #18  | All samples received within sufficient hold time?      | Kes  |           | See Below   |
| #19  | Subcontract of sample(s)?                              | The second s | No        | See Below   |
| #20  |  | Yes  | <u>No</u> | (Not Applicable)                                      |
| 7720 | VOC samples have zero headspace?                       | Yes  | No        | Not Applicable  |

# Variance Documentation

| Contact:                |        | Contacted by:   | Date/ Time:                                     |   |
|-------------------------|--------|---|---|---|
| Regarding:              |        |   |   | ~ |
| Corrective Action Taker | יייייי |   |   |   |
|                         |        |   |   | _ |
| Check all that Apply:   |        | See attached e-mail/ fax<br>Client understands and would like to<br>Cooling process had begun shortly | o proceed with analysis<br>after sampling event |   |

