

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

Final Report

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>J. Cleo Thompson</u> Telephone: <u>(432) 550-8887</u> e-mail address: <u>jctwest@nts-online.net</u> | | |
| Address: <u>P. O. Box 12577</u> <u>Odessa, TX 79768-2577</u> | | |
| Facility or well name: <u>JCT 13 Federal #1</u> API #: <u>30-025-38597</u> U/L or Qtr/Qtr <u>F</u> Sec <u>13</u> T <u>9S</u> R <u>37E</u> | | |
| County: <u>Lea</u> Latitude _____ Longitude _____ NAD: 1927 <input type="checkbox"/> 1983 <input type="checkbox"/> | | |
| Surface Owner: Federal <input checked="" type="checkbox"/> State <input type="checkbox"/> Private <input 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 type="checkbox"/> Thickness <u>12</u> mil Clay <input type="checkbox"/> Pit Volume <u>12,000</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 50 feet or more, but less than 100 feet 100 feet or more | (20 points) (10 points) (0 points) XXX |
| Wellhead protection area: (Less than 200 feet from a private domestic water source, or less than 1000 feet from all other water sources.) | Yes No | (20 points) (0 points) XXX |
| Distance to surface water: (horizontal distance to all wetlands, playas, irrigation canals, ditches, and perennial and ephemeral watercourses.) | Less than 200 feet 200 feet or more, but less than 1000 feet 1000 feet or more | (20 points) (10 points) (0 points) XXX |
| Ranking Score (Total Points) | | 0 points |

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 _____. (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: Excess water was removed from the pit. Two burial pits were constructed and lined with a 12 mil poly liner. The drilling pit contents were mixed with dry soil to stiffen the mud then placed in the burial pits. After all were placed in the burial pits, the burial pits were capped with a 20 mil poly liner overlapping 3' in all directions and a minimum of 3 ft. below ground surface. The drilling pit bottom was sampled per NMOCD Guidelines and met NMOCD standards. The site was backfilled with clean native soil and seeded with BLM Mixture #2. |
| Work began on 6-13-08 and was completed on 7-10-08. |

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: 7/21/08
Printed Name/Title: J. E. STEVENS, OPNS MANAGER Signature: J. E. Stevens

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: [Signature]
Printed Name/Title: _____ Signature: ENVIRONMENTAL ENGINEER Date: 8-12-08

Closure Report

Prepared for
J Cleo Thompson

JCT 13 Federal #1
API # 30-025-38597
Lea County, NM

RECEIVED
JUL 23 2008
HOBBS OCD

Prepared by
Elke Environmental, Inc.

P.O. Box 14167 Odessa, TX 79768
Phone (432) 366-0043 Fax (432) 366-0884

Elke Environmental, Inc.

P.O. Box 14167 Odessa, TX 79768
Phone (432) 366-0043 Fax (432) 366-0884

May 21, 2008

New Mexico Oil Conservation Division
Mr. Larry Johnson
1625 N. French Dr.
Hobbs, New Mexico 88240

Re: J Cleo Thompson – JCT 13 Federal #1
UL 'F' Sec. 13 T9S R37E Lea County, NM
API # 30-025-38597

Mr. Larry Johnson,

Elke Environmental was contracted by J Cleo Thompson to complete the closure of the JCT 13 Federal #1 drilling pit. As per the C-144 filed and signed by Larry Johnson on 5-29-08 a burial pit was excavated and lined with a 12 mil liner. The drilling mud was mixed with dry soil to stiffen then placed in the burial pit. Once all mud was removed the burial pit was capped with a 20 mil liner overlapping 3' in all directions then backfilled with clean native soil. The pit bottoms were sampled per NMOCD Guidelines and met NMOCD standards for this site. The drilling pit was backfilled with clean native soil and seeded with BLM Seed Mixture #2. If you have any questions about the enclosed report please contact me at the office.

Sincerely,

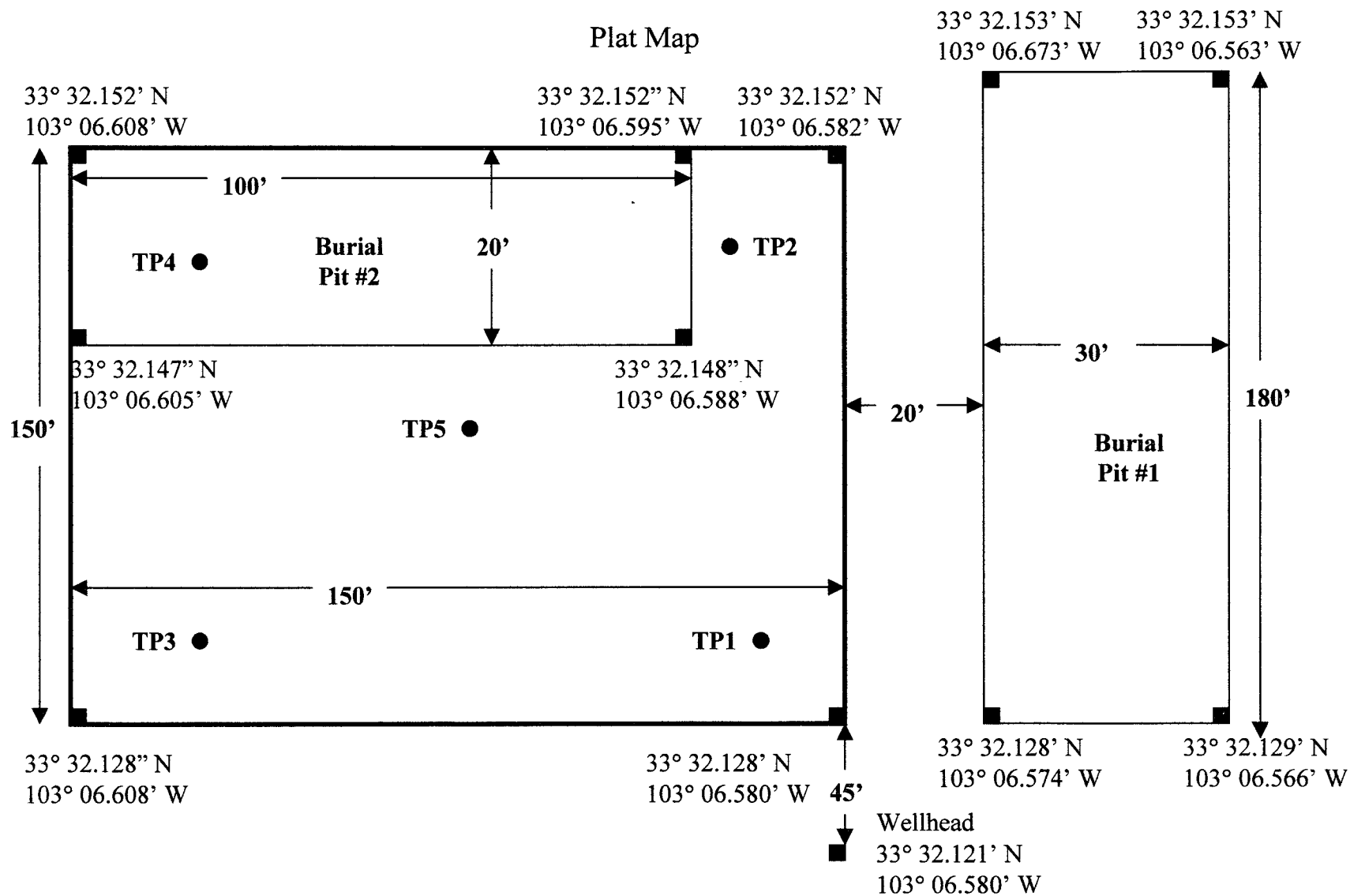
A handwritten signature in black ink, appearing to be 'LA' with a long horizontal stroke extending to the right.

Logan Anderson



J Cleo Thompson
JCT 13 Federal #1

Plat Map



Elke Environmental, Inc.

P.O. Box 14167 Odessa, TX 79768

Field Analytical Report Form

Client J. Cleo Thompson

Analyst Jason Jessup

Site JCT 13 Federal #1

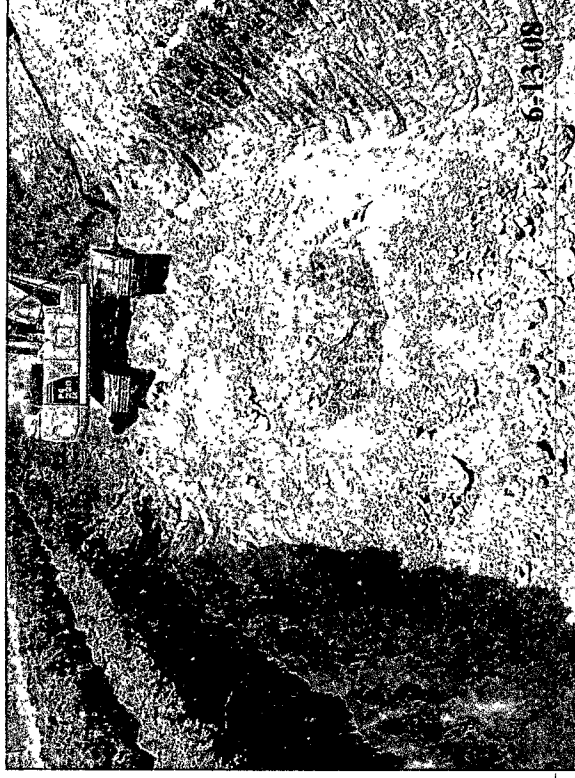
| Sample ID | Date | Depth | TPH / PPM | | CI / PPM | PID / PPM | GPS |
|-----------|--------|-------|-----------|--|----------|-----------|---------------------------------|
| TP1 | 7-1-08 | 8' | | | 176 | 7.1 | 33° 32.133' N 103° 06.582' W |
| TP2 | 7-1-08 | 8' | | | 237 | 5.9 | 33° 32.150' N 103° 06.582' W |
| TP3 | 7-1-08 | 8' | | | 183 | 11.7 | 33° 32.134' N 103° 06.605' W |
| TP4 | 7-1-08 | 8' | | | 265 | 17.3 | 33° 32.158' N 103° 06.604' W |
| TP5 | 7-1-08 | 8' | | | 146 | 19.5 | 33° 32.144' N 103° 06.599' W |
| | | | | | | | |
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Analyst Notes _____

J Cleo Thompson – JCT 13 Federal #1



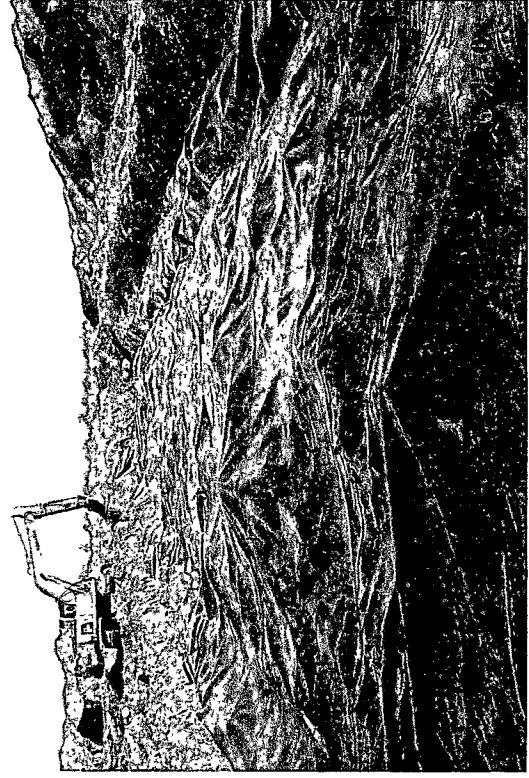
Drilling pit before closure.



Excavation of burial pit #1.



Burial pit #1 lined with a 12 mil poly liner.

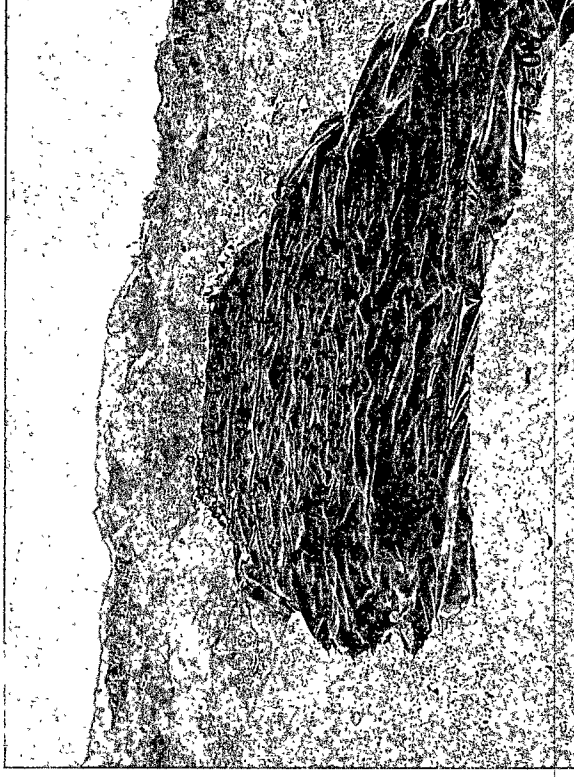


Burial pit #1 capped with a 20 mil poly liner.

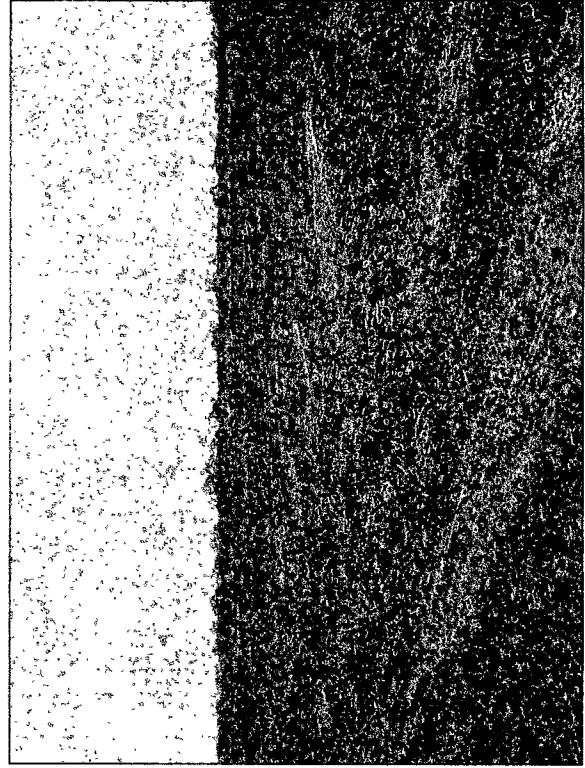
J Cleo Thompson – JCT 13 Federal #1



Burial pit #2 lined with a 12 mil poly liner.



Burial pit #2 capped with a 20 mil poly liner.



Drilling pit and burial pits after backfill of clean native soil and contouring to the surrounding area.

Analytical Report 307338

for

Elke Environmental, Inc.

Project Manager: Logan Anderson

J. Cleo Thompson

JCT Fed 13 # 1

11-JUL-08



12600 West I-20 East Odessa, Texas 79765

**Texas certification numbers:
Houston, TX T104704215**

**Florida certification numbers:
Houston, TX E871002 - Miami, FL E86678 - Tampa, FL E86675
Norcross(Atlanta), GA E87429**

**South Carolina certification numbers:
Norcross(Atlanta), GA 98015**

**North Carolina certification numbers:
Norcross(Atlanta), GA 483**

**Houston - Dallas - San Antonio - Austin - Tampa - Miami - Latin America
Midland - Corpus Christi - Atlanta**



11-JUL-08

Project Manager: **Logan Anderson**
Elke Environmental, Inc.
4817 Andrews Hwy
P.O. Box 14167 Odessa, tx 79768
Odessa, TX 79762

Reference: XENCO Report No: **307338**
J. Cleo Thompson
Project Address: Lea Co., NM

Logan Anderson:

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the XENCO Report Number 307338. All results being reported under this Report Number apply to the samples analyzed and properly identified with a Laboratory ID number. Subcontracted analyses are identified in this report with either the NELAC certification number of the subcontract lab in the analyst ID field, or the complete subcontracted report attached to this report.

Unless otherwise noted in a Case Narrative, all data reported in this Analytical Report are in compliance with NELAC standards. Estimation of data uncertainty for this report is found in the quality control section of this report unless otherwise noted. Should insufficient sample be provided to the laboratory to meet the method and NELAC Matrix Duplicate and Matrix Spike requirements, then the data will be analyzed, evaluated and reported using all other available quality control measures.

The validity and integrity of this report will remain intact as long as it is accompanied by this letter and reproduced in full, unless written approval is granted by XENCO Laboratories. This report will be filed for at least 5 years in our archives after which time it will be destroyed without further notice, unless otherwise arranged with you. The samples received, and described as recorded in Report No. 307338 will be filed for 60 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

We thank you for selecting XENCO Laboratories to serve your analytical needs. If you have any questions concerning this report, please feel free to contact us at any time.

Respectfully,

Brent Barron, II

Odessa Laboratory Manager

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Sample Cross Reference 307338



Elke Environmental, Inc., Odessa, TX

J. Cleo Thompson

| Sample Id | Matrix | Date Collected | Sample Depth | Lab Sample Id |
|-----------|--------|-----------------|--------------|---------------|
| TP # 1 | S | Jul-01-07 10:00 | 8 - 8 ft | 307338-001 |
| TP # 2 | S | Jul-01-07 10:15 | 8 - 8 ft | 307338-002 |
| TP # 3 | S | Jul-01-07 10:30 | 8 - 8 ft | 307338-003 |
| TP # 4 | S | Jul-01-07 10:45 | 8 - 8 ft | 307338-004 |
| TP # 5 | S | Jul-01-07 11:00 | 8 - 8 ft | 307338-005 |



Certificate of Analysis Summary 307338

Elke Environmental, Inc., Odessa, TX

Project Name: J. Cleo Thompson

Project Id: JCT Fed 13 # 1

Contact: Logan Anderson

Project Location: Lea Co., NM

Date Received in Lab: Mon Jul-07-08 09:25 am

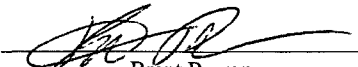
Report Date: 11-JUL-08

Project Manager: Brent Barron, II

| Analysis Requested | Lab Id: | 307338-001 | 307338-002 | 307338-003 | 307338-004 | 307338-005 | |
|------------------------------------|------------|-----------------|-----------------|-----------------|-----------------|-----------------|--|
| | Field Id: | TP # 1 | TP # 2 | TP # 3 | TP # 4 | TP # 5 | |
| | Depth: | 8-8 ft | 8-8 ft | 8-8 ft | 8-8 ft | 8-8 ft | |
| | Matrix: | SOIL | SOIL | SOIL | SOIL | SOIL | |
| | Sampled: | Jul-01-07 10:00 | Jul-01-07 10:15 | Jul-01-07 10:30 | Jul-01-07 10:45 | Jul-01-07 11:00 | |
| Inorganic Anions by EPA 300 | Extracted: | | | | | | |
| | Analyzed: | Jul-07-08 16:45 | Jul-07-08 16:45 | Jul-07-08 16:45 | Jul-07-08 16:45 | Jul-07-08 16:45 | |
| | Units/RL: | mg/kg RL | mg/kg RL | mg/kg RL | mg/kg RL | mg/kg RL | |
| Chloride | | ND 5.00 | 13.2 5.00 | 14.8 5.00 | 286 10.0 | ND 10.0 | |
| Percent Moisture | Extracted: | | | | | | |
| | Analyzed: | Jul-08-08 09:46 | Jul-08-08 09:46 | Jul-08-08 09:46 | Jul-08-08 09:46 | Jul-08-08 09:46 | |
| | Units/RL: | % RL | % RL | % RL | % RL | % RL | |
| Percent Moisture | | 0.829 | 2.09 | 0.742 | 1.57 | 0.886 | |
| TPH by SW8015 Mod | Extracted: | Jul-07-08 15:45 | Jul-07-08 15:45 | Jul-07-08 15:45 | Jul-07-08 15:45 | Jul-07-08 15:45 | |
| | Analyzed: | Jul-07-08 21:42 | Jul-07-08 22:12 | Jul-07-08 22:37 | Jul-07-08 23:37 | Jul-08-08 00:03 | |
| | Units/RL: | mg/kg RL | mg/kg RL | mg/kg RL | mg/kg RL | mg/kg RL | |
| C6-C12 Gasoline Range Hydrocarbons | | ND 15.0 | ND 15.0 | ND 15.0 | ND 15.0 | ND 15.0 | |
| C12-C28 Diesel Range Hydrocarbons | | ND 15.0 | ND 15.0 | ND 15.0 | ND 15.0 | 15.8 15.0 | |
| C28-C35 Oil Range Hydrocarbons | | ND 15.0 | ND 15.0 | ND 15.0 | ND 15.0 | ND 15.0 | |
| Total TPH | | ND | ND | ND | ND | 15.8 | |

This analytical report, and the entire data package it represents, has been made for your exclusive and confidential use. The interpretations and results expressed throughout this analytical report represent the best judgment of XENCO Laboratories. XENCO Laboratories assumes no responsibility and makes no warranty to the end use of the data hereby presented. Our liability is limited to the amount invoiced for this work order unless otherwise agreed to in writing.

Since 1990 Houston - Dallas - San Antonio - Austin - Tampa - Miami - Latin America - Atlanta - Corpus Christi


Brent Barron
Odessa Laboratory Director



Flagging Criteria

- X** In our quality control review of the data a QC deficiency was observed and flagged as noted. MS/MSD recoveries were found to be outside of the laboratory control limits due to possible matrix /chemical interference, or a concentration of target analyte high enough to effect the recovery of the spike concentration. This condition could also effect the relative percent difference in the MS/MSD.
 - B** A target analyte or common laboratory contaminant was identified in the method blank. Its presence indicates possible field or laboratory contamination.
 - D** The sample(s) were diluted due to targets detected over the highest point of the calibration curve, or due to matrix interference. Dilution factors are included in the final results. The result is from a diluted sample.
 - E** The data exceeds the upper calibration limit; therefore, the concentration is reported as estimated.
 - F** RPD exceeded lab control limits.
 - J** The target analyte was positively identified below the MQL(PQL) and above the SQL(MDL).
 - U** Analyte was not detected.
 - L** The LCS data for this analytical batch was reported below the laboratory control limits for this analyte. The department supervisor and QA Director reviewed data. The samples were either reanalyzed or flagged as estimated concentrations.
 - H** The LCS data for this analytical batch was reported above the laboratory control limits. Supporting QC Data were reviewed by the Department Supervisor and QA Director. Data were determined to be valid for reporting.
 - K** Sample analyzed outside of recommended hold time.
- * Outside XENCO'S scope of NELAC Accreditation

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2505 N. Falkenburg Rd., Tampa, FL 33619
5757 NW 158th St, Miami Lakes, FL 33014
6017 Financial Dr., Norcross, GA 30071

| Phone | Fax |
|----------------|----------------|
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| (214) 902 0300 | (214) 351-9139 |
| (210) 509-3334 | (210) 509-3335 |
| (813) 620-2000 | (813) 620-2033 |
| (305) 823-8500 | (305) 823-8555 |
| (770) 449-8800 | (770) 449-5477 |



Form 2 - Surrogate Recoveries



Project Name: J. Cleo Thompson

Work Order #: 307338

Project ID: JCT Fed 13 # 1

Lab Batch #: 727346

Sample: 307202-002 S / MS

Batch: 1 Matrix: Soil

Units: mg/kg

SURROGATE RECOVERY STUDY

| TPH by SW8015 Mod Analytes | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|-------------------------------|---------------------|--------------------|-----------------------|----------------------|-------|
| 1-Chlorooctane | 94.2 | 100 | 94 | 70-135 | |
| o-Terphenyl | 45.7 | 50.0 | 91 | 70-135 | |

Lab Batch #: 727346

Sample: 307202-002 SD / MSD

Batch: 1 Matrix: Soil

Units: mg/kg

SURROGATE RECOVERY STUDY

| TPH by SW8015 Mod Analytes | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|-------------------------------|---------------------|--------------------|-----------------------|----------------------|-------|
| 1-Chlorooctane | 93.7 | 100 | 94 | 70-135 | |
| o-Terphenyl | 47.2 | 50.0 | 94 | 70-135 | |

Lab Batch #: 727346

Sample: 307338-001 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

SURROGATE RECOVERY STUDY

| TPH by SW8015 Mod Analytes | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|-------------------------------|---------------------|--------------------|-----------------------|----------------------|-------|
| 1-Chlorooctane | 87.7 | 100 | 88 | 70-135 | |
| o-Terphenyl | 42.5 | 50.0 | 85 | 70-135 | |

Lab Batch #: 727346

Sample: 307338-002 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

SURROGATE RECOVERY STUDY

| TPH by SW8015 Mod Analytes | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|-------------------------------|---------------------|--------------------|-----------------------|----------------------|-------|
| 1-Chlorooctane | 167 | 200 | 84 | 70-135 | |
| o-Terphenyl | 73.6 | 100 | 74 | 70-135 | |

Lab Batch #: 727346

Sample: 307338-003 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

SURROGATE RECOVERY STUDY

| TPH by SW8015 Mod Analytes | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|-------------------------------|---------------------|--------------------|-----------------------|----------------------|-------|
| 1-Chlorooctane | 88.8 | 100 | 89 | 70-135 | |
| o-Terphenyl | 42.3 | 50.0 | 85 | 70-135 | |

** Surrogates outside limits; data and surrogates confirmed by reanalysis

*** Poor recoveries due to dilution

Surrogate Recovery [D] = $100 \times A / B$

All results are based on MDL and validated for QC purposes.



Form 2 - Surrogate Recoveries



Project Name: J. Cleo Thompson

Work Order #: 307338

Project ID: JCT Fed 13 # 1

Lab Batch #: 727346

Sample: 307338-004 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

| SURROGATE RECOVERY STUDY | | | | | |
|--------------------------|------------------|-----------------|-----------------|-------------------|-------|
| TPH by SW8015 Mod | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
| Analytes | | | | | |
| 1-Chlorooctane | 84.1 | 100 | 84 | 70-135 | |
| o-Terphenyl | 41.3 | 50.0 | 83 | 70-135 | |

Lab Batch #: 727346

Sample: 307338-005 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

| SURROGATE RECOVERY STUDY | | | | | |
|--------------------------|------------------|-----------------|-----------------|-------------------|-------|
| TPH by SW8015 Mod | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
| Analytes | | | | | |
| 1-Chlorooctane | 86.6 | 100 | 87 | 70-135 | |
| o-Terphenyl | 41.5 | 50.0 | 83 | 70-135 | |

Lab Batch #: 727346

Sample: 511699-1-BKS / BKS

Batch: 1 Matrix: Solid

Units: mg/kg

| SURROGATE RECOVERY STUDY | | | | | |
|--------------------------|------------------|-----------------|-----------------|-------------------|-------|
| TPH by SW8015 Mod | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
| Analytes | | | | | |
| 1-Chlorooctane | 87.2 | 100 | 87 | 70-135 | |
| o-Terphenyl | 45.1 | 50.0 | 90 | 70-135 | |

Lab Batch #: 727346

Sample: 511699-1-BLK / BLK

Batch: 1 Matrix: Solid

Units: mg/kg

| SURROGATE RECOVERY STUDY | | | | | |
|--------------------------|------------------|-----------------|-----------------|-------------------|-------|
| TPH by SW8015 Mod | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
| Analytes | | | | | |
| 1-Chlorooctane | 83.5 | 100 | 84 | 70-135 | |
| o-Terphenyl | 42.5 | 50.0 | 85 | 70-135 | |

Lab Batch #: 727346

Sample: 511699-1-BSD / BSD

Batch: 1 Matrix: Solid

Units: mg/kg

| SURROGATE RECOVERY STUDY | | | | | |
|--------------------------|------------------|-----------------|-----------------|-------------------|-------|
| TPH by SW8015 Mod | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
| Analytes | | | | | |
| 1-Chlorooctane | 89.8 | 100 | 90 | 70-135 | |
| o-Terphenyl | 45.5 | 50.0 | 91 | 70-135 | |

** Surrogates outside limits; data and surrogates confirmed by reanalysis

*** Poor recoveries due to dilution

Surrogate Recovery [D] = $100 * A / B$

All results are based on MDL and validated for QC purposes.



Blank Spike Recovery



Project Name: J. Cleo Thompson

Work Order #: 307338

Project ID:

JCT Fed 13 # 1

Lab Batch #: 727326

Sample: 727326-1-BKS

Matrix: Solid

Date Analyzed: 07/07/2008

Date Prepared: 07/07/2008

Analyst: LATCOR

Reporting Units: mg/kg

Batch #: 1

BLANK /BLANK SPIKE RECOVERY STUDY

| Inorganic Anions by EPA 300 Analytes | Blank Result [A] | Spike Added [B] | Blank Spike Result [C] | Blank Spike %R [D] | Control Limits %R | Flags |
|---|------------------------|-----------------------|---------------------------------|-----------------------------|-------------------------|-------|
| Chloride | ND | 10.0 | 10.5 | 105 | 75-125 | |

Blank Spike Recovery [D] = $100 \times [C]/[B]$

All results are based on MDL and validated for QC purposes.



BS / BSD Recoveries



Project Name: J. Cleo Thompson

Work Order #: 307338

Analyst: ASA

Date Prepared: 07/07/2008

Project ID: JCT Fed 13 # 1

Date Analyzed: 07/07/2008

Lab Batch ID: 727346

Sample: 511699-1-BKS

Batch #: 1

Matrix: Solid

Units: mg/kg

BLANK / BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

| TPH by SW8015 Mod | Blank Sample Result [A] | Spike Added [B] | Blank Spike Result [C] | Blank Spike %R [D] | Spike Added [E] | Blank Spike Duplicate Result [F] | Blk. Spk Dup. %R [G] | RPD % | Control Limits %R | Control Limits %RPD | Flag |
|------------------------------------|-------------------------------|-----------------------|---------------------------------|-----------------------------|-----------------------|---|-------------------------------|----------|-------------------------|---------------------------|------|
| Analytes | | | | | | | | | | | |
| C6-C12 Gasoline Range Hydrocarbons | ND | 1000 | 825 | 83 | 500 | 460 | 92 | 57 | 70-135 | 35 | |
| C12-C28 Diesel Range Hydrocarbons | ND | 1000 | 829 | 83 | 500 | 450 | 90 | 59 | 70-135 | 35 | |

Relative Percent Difference RPD = $200 * (D - F) / (D + F)$

Blank Spike Recovery [D] = $100 * (C) / (B)$

Blank Spike Duplicate Recovery [G] = $100 * (F) / (E)$

All results are based on MDL and Validated for QC Purposes



Form 3 - MS Recoveries



Project Name: J. Cleo Thompson

Work Order #: 307338

Lab Batch #: 727326

Project ID: JCT Fed 13 # 1

Date Analyzed: 07/07/2008

Date Prepared: 07/07/2008

Analyst: LATCOR

QC- Sample ID: 307338-001 S

Batch #: 1

Matrix: Soil

Reporting Units: mg/kg

MATRIX / MATRIX SPIKE RECOVERY STUDY

| Inorganic Anions by EPA 300 Analytes | Parent Sample Result [A] | Spike Added [B] | Spiked Sample Result [C] | %R [D] | Control Limits %R | Flag |
|---|-----------------------------------|-----------------------|--------------------------------|-----------|-------------------------|------|
| | | | | | | |
| Chloride | ND | 100 | 117 | 117 | 75-125 | |

Matrix Spike Percent Recovery [D] = $100 \cdot (C-A)/B$
Relative Percent Difference [E] = $200 \cdot (C-A)/(C+B)$
All Results are based on MDL and Validated for QC Purposes



Form 3 - S / MSD Recoveries



Project Name: J. Cleo Thompson

Work Order #: 307338

Project ID: JCT Fed 13 # 1

Lab Batch ID: 727346

QC- Sample ID: 307202-002 S

Batch #: 1 Matrix: Soil

Date Analyzed: 07/08/2008

Date Prepared: 07/07/2008

Analyst: ASA

Reporting Units: mg/kg

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY

| TPH by SW8015 Mod Analytes | Parent Sample Result [A] | Spike Added [B] | Spiked Sample Result [C] | Spiked Sample %R [D] | Spike Added [E] | Duplicate Spiked Sample Result [F] | Spiked Dup. %R [G] | RPD % | Control Limits %R | Control Limits %RPD | Flag |
|------------------------------------|-----------------------------------|-----------------------|--------------------------------|-------------------------------|-----------------------|--|-----------------------------|----------|-------------------------|---------------------------|------|
| C6-C12 Gasoline Range Hydrocarbons | ND | 1060 | 899 | 85 | 1060 | 908 | 86 | 1 | 70-135 | 35 | |
| C12-C28 Diesel Range Hydrocarbons | ND | 1060 | 907 | 86 | 1060 | 927 | 87 | 1 | 70-135 | 35 | |

Matrix Spike Percent Recovery $[D] = 100 \cdot (C-A)/B$
Relative Percent Difference $RPD = 200 \cdot (D-G)/(D+G)$

Matrix Spike Duplicate Percent Recovery $[G] = 100 \cdot (F-A)/E$

ND = Not Detected, J = Present Below Reporting Limit, B = Present in Blank, NR = Not Requested, I = Interference, NA = Not Applicable
N = See Narrative, EQL = Estimated Quantitation Limit



Sample Duplicate Recovery



Project Name: J. Cleo Thompson

Work Order #: 307338

Lab Batch #: 727326

Date Analyzed: 07/07/2008

QC- Sample ID: 307338-001 D

Reporting Units: mg/kg

Project ID: JCT Fed 13 # 1

Analyst: LATCOR

Batch #: 1

Matrix: Soil

| SAMPLE / SAMPLE DUPLICATE RECOVERY | | | | | |
|------------------------------------|--------------------------|-----------------------------|-----|---------------------|------|
| Inorganic Anions by EPA 300 | Parent Sample Result [A] | Sample Duplicate Result [B] | RPD | Control Limits %RPD | Flag |
| Analyte | | | | | |
| Chloride | ND | ND | NC | 20 | |

Lab Batch #: 727686

Date Analyzed: 07/08/2008

QC- Sample ID: 307338-001 D

Reporting Units: %

Date Prepared: 07/08/2008

Analyst: JLG

Batch #: 1

Matrix: Soil

| SAMPLE / SAMPLE DUPLICATE RECOVERY | | | | | |
|------------------------------------|--------------------------|-----------------------------|-----|---------------------|------|
| Percent Moisture | Parent Sample Result [A] | Sample Duplicate Result [B] | RPD | Control Limits %RPD | Flag |
| Analyte | | | | | |
| Percent Moisture | 0.829 | 0.875 | 5 | 20 | |

Spike Relative Difference RPD $200 * |(B-A)/(B+A)|$

All Results are based on MDL and validated for QC purposes.

Environmental Lab of Texas

A Xenco Laboratories Company

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

12600 West I-20 East
Odessa, Texas 79765Phone 432-563-1800
Fax 432-563-1713Project Manager: Logan AndersonCompany Name: Elke EnvironmentalCompany Address: P.O. Box 14167City/State/Zip: Odessa, TX 79768Telephone No: 432-366-0043Fax No: 432-366-0884Sampler Signature: Jason Jessupe-mail: la_elkeenv@yahoo.comProject Name: JCT Fed. 13 #1Project #: Lea Co. NMProject Loc: Lea Co. NM

PO #: _____

Report Format: ☒ Standard ☐ TARP ☐ NPDES

(lab use only)

ORDER #: 501338

| LAB # (lab use only) | FIELD CODE | Beginning Depth | Ending Depth | Date Sampled | Time Sampled | Field Filtered | Total # of Containers | PHNO. | LiCl | LiSO ₄ | NaOH | Na ₂ SO ₄ | None | Other (Specify) | Other (Specify) | Other (Specify) | Other (Specify) | Other (Specify) | Other (Specify) | Other (Specify) | Other (Specify) | Other (Specify) | Other (Specify) | Other (Specify) | Other (Specify) | Other (Specify) | Other (Specify) | Other (Specify) | Other (Specify) | Other (Specify) | Other (Specify) | Other (Specify) | Other (Specify) | Other (Specify) | Other (Specify) | Other (Specify) | Other (Specify) | Other (Specify) | Other (Specify) | Other (Specify) | Other (Specify) | Other (Specify) | Other (Specify) | Other (Specify) | Other (Specify) | Other (Specify) | Other (Specify) | Other (Specify) | Other (Specify) | Other (Specify) | Other (Specify) | Other (Specify) | Other (Specify) | Other (Specify) | Other (Specify) | Other (Specify) | Other (Specify) | Other (Specify) 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Special Instructions

| | | | | | |
|------------------------------------|-----------------------|------------------------|-------------|------|------|
| Received by <u>Jason Jessup</u> | Date <u>7-7-08</u> | Time <u>9:25 AM</u> | Received by | Date | Time |
| Received by | Date | Time | Received by | Date | Time |
| Received by | Date | Time | Received by | Date | Time |

Laboratory Comments

Sample Containers Intact? ☒ Y ☐ N
 VCCs Free of Headspace? ☒ Y ☐ N
 Labels on container(s) ☒ Y ☐ N
 Custody seals on container(s) ☒ Y ☐ N
 Custody seals on cooler(s) ☒ Y ☐ N
 Sample Hand Delivered ☒ Y ☐ N
 by Sampler/Clerk? ☒ Y ☐ N
 by Courier? ☒ Y ☐ N
 Temperature Upon Receipt 1.0 °C

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

Client Elke Env.
Date/ Time 7/7/08 9:25
Lab ID # 30733B
Initials al

Sample Receipt Checklist

| | | | | Client Initials |
|-----|--|---|----|--------------------------|
| #1 | Temperature of container/ cooler? | <input checked="" type="checkbox"/> Yes | No | 2.0 °C |
| #2 | Shipping container in good condition? | <input checked="" type="checkbox"/> Yes | No | |
| #3 | Custody Seals intact on shipping container/ cooler? | <input checked="" type="checkbox"/> Yes | No | Not Present |
| #4 | Custody Seals intact on sample bottles/ container? | <input checked="" type="checkbox"/> Yes | No | Not Present |
| #5 | Chain of Custody present? | <input checked="" type="checkbox"/> Yes | No | |
| #6 | Sample instructions complete of Chain of Custody? | <input checked="" type="checkbox"/> Yes | No | |
| #7 | Chain of Custody signed when relinquished/ received? | <input checked="" type="checkbox"/> Yes | No | |
| #8 | Chain of Custody agrees with sample label(s)? | <input checked="" type="checkbox"/> Yes | No | ID written on Cont / Lid |
| #9 | Container label(s) legible and intact? | <input checked="" type="checkbox"/> Yes | No | Not Applicable |
| #10 | Sample matrix/ properties agree with Chain of Custody? | <input checked="" type="checkbox"/> Yes | No | |
| #11 | Containers supplied by ELOT? | <input checked="" type="checkbox"/> Yes | No | |
| #12 | Samples in proper container/ bottle? | <input checked="" type="checkbox"/> Yes | No | See Below |
| #13 | Samples properly preserved? | <input checked="" type="checkbox"/> Yes | No | See Below |
| #14 | Sample bottles intact? | <input checked="" type="checkbox"/> Yes | No | |
| #15 | Preservations documented on Chain of Custody? | <input checked="" type="checkbox"/> Yes | No | |
| #16 | Containers documented on Chain of Custody? | <input checked="" type="checkbox"/> Yes | No | |
| #17 | Sufficient sample amount for indicated test(s)? | <input checked="" type="checkbox"/> Yes | No | See Below |
| #18 | All samples received within sufficient hold time? | <input checked="" type="checkbox"/> Yes | No | See Below |
| #19 | Subcontract of sample(s)? | <input checked="" type="checkbox"/> Yes | No | Not Applicable |
| #20 | VOC samples have zero headspace? | <input checked="" type="checkbox"/> 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

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: J. Cleo Thompson Telephone: (432) 550-8887 e-mail address: jctwest@nts-online.net
Address: P. O. Box 12577 Odessa, TX 79768-2577
Facility or well name: JCT 13 Federal #1 API #: 30-025-38597 U/L or Qtr/Qtr F Sec 13 T 9S R 37E
County: Lea Latitude _____ Longitude _____ NAD: 1927 ☐ 1983 ☐
Surface Owner: Federal ☒ State ☐ Private ☐ Indian ☐

| Pit | Below-grade tank |
|--|---|
| 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 type="checkbox"/> Thickness <u>12</u> mil Clay <input type="checkbox"/> Pit Volume <u>12,000</u> bbl | 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) XXX |
| 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) XXX |
| 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) XXX |
| | Ranking Score (Total Points) 0 points |

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: _____. (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: Excess water will be removed from the pit. A burial pit will be constructed and lined with a 12 mil liner. The drilling pit contents will be mixed with dry soil to stiffen the mud then placed in the burial pit. After all contents are stiffened and placed in the burial pit it will be covered with a 20 mil liner with a minimum of 3 ft. overlap on all sides and a minimum of 3 ft. below ground surface. The burial pit will then be covered with clean native soil. The bottom of the drilling pit will be sampled as per NMOCD Guidelines then backfilled after approval from the OCD. A final report will be submitted at the end of the job.

Notice to Hobbs OCD will be given 48 hrs before the start of the job and any sampling event.

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: 5-27-08

Printed Name/Title: Logan Anderson - Agent

Signature: _____

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: _____

Signature: _____

ENVIRONMENTAL ENGINEER

Date: 5.29.08