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

Form C-144
June 24, 2008

For temporary pits, closed-loop systems, and below-grade tanks, submit to the appropriate NMOCD District Office.
For permanent pits and exceptions submit to the Santa Fe Environmental Bureau office and provide a copy to the appropriate NMOCD District Office.

Pit, Closed-Loop System, Below-Grade Tank, or Proposed Alternative Method Permit or Closure Plan Application

Type of action: ☐ Permit of a pit, closed-loop system, below-grade tank, or proposed alternative method
☒ Closure of a pit, closed-loop system, below-grade tank, or proposed alternative method

Instructions: Please submit one application (Form C-144) per individual pit, closed-loop system, below-grade tank or alternative request

Please be advised that approval of this request does not relieve the operator of liability should operations result in pollution of surface water, ground water or the environment. Nor does approval relieve the operator of its responsibility to comply with any other applicable governmental authority's rules, regulations or ordinances.

Operator: Melrose Operating Co. OGRID #: 184860
Address: c/o PO Box 953 Midland TX 79702
Facility or well name: Jalmat Field Yates Sand Unit # 222
API Number: 30-025-38875 OCD Permit Number: P1-00879
U/L or Qtr/Qtr B Section 14 Township 22S Range 35E County: Lea
Center of Proposed Design: Latitude N32.39738 Longitude W103.33539 NAD: ☒ 1927 ☐ 1983
Surface Owner: ☐ Federal ☒ State ☐ Private ☐ Tribal Trust or Indian Allotment

☒ **Pit:** Subsection F or G of 19.15.17.11 NMAC
Temporary: ☒ Drilling ☐ Workover
☐ Permanent ☐ Emergency ☐ Cavitation ☐ Steel Pit
☐ Lined ☒ Unlined
Liner type: Thickness _____ mil ☐ LLDPE ☐ HDPE ☐ PVC
☐ Other _____ ☐ String-Reinforced
Seams: ☐ Welded ☐ Factory ☐ Other _____
Volume: 1000 bbl Dimensions: L_____ x W_____ x D_____

☐ **Closed-loop System:** Subsection H of 19.15.17.11 NMAC
☐ Drying Pad ☐ Tanks ☐ Haul-off Bins ☐ Other _____
☐ Lined ☐ Unlined
Liner type: Thickness _____ mil ☐ LLDPE ☐ HDPE ☐ PVC
☐ Other _____
Seams: ☐ Welded ☐ Factory ☐ Other _____
Volume: _____ bbl _____ yd^3
Dimensions: Length_____ x Width_____

☐ **Below-grade tank:** Subsection I of 19.15.17.11 NMAC
Volume: _____ bbl
Type of fluid: _____
Tank Construction material: _____
☐ Secondary containment with leak detection
☐ Visible sidewalls, liner, 6-inch lift and automatic overflow shut-off
☐ Visible sidewalls and liner
☐ Visible sidewalls only
☐ Other _____
Liner type: Thickness _____ mil ☐ HDPE ☐ PVC
☐ Other _____

Fencing: Subsection D of 19.15.17.11 NMAC
☐ Chain link, six feet in height, two strands of barbed wire at top
☐ Four foot height, four strands of barbed wire evenly spaced between one and four feet
Netting: Subsection E of 19.15.17.11 NMAC
☐ Screen ☐ Netting ☐ Other _____
☐ Monthly inspections
Signs: Subsection C of 19.15.17.11 NMAC
☐ 12'x24', 2' lettering, providing Operator's name, site location, and emergency telephone numbers
☐ Signed in compliance with 19.15.3.103 NMAC

☐ **Alternative Method:**
Submittal of an exception request is required. Exceptions must be submitted to the Santa Fe Environmental Bureau office for consideration of approval.

Administrative Approvals and Exceptions:
Justifications and/or demonstrations of equivalency are required. Please refer to 19.15.17 NMAC for guidance.
Please check a box if one or more of the following is requested, if not leave blank:
☒ Administrative approval(s): Requests must be submitted to the appropriate division district or the Santa Fe Environmental Bureau office for consideration of approval.
☐ Exception(s): Requests must be submitted to the Santa Fe Environmental Bureau office for consideration of approval.

Siting Criteria (regarding permitting): 19.15.17.10 NMAC
Instructions: ***The applicant must demonstrate compliance for each siting criteria below in the application. Recommendations of acceptable source material are provided below. Requests regarding changes to certain siting criteria may require administrative approval from the appropriate district office or may be considered an exception which must be submitted to the Santa Fe Environmental Bureau office for consideration of approval. Applicant must attach justification for request. Please refer to 19.15.17.10 NMAC for guidance.*** **Siting criteria does not apply to drying pads or above-grade tanks associated with a closed-loop system.**

Ground water is less than 50 feet below the bottom of the temporary pit, permanent pit, or below-grade tank. - NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells	☐ Yes ☒ No
Within 300 feet of a continuously flowing watercourse, or 200 feet of any other significant watercourse or lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark). - Topographic map; Visual inspection (certification) of the proposed site	☐ Yes ☒ No
Within 300 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application. *(Applies to temporary, emergency, or cavitation pits and below-grade tanks)* - Visual inspection (certification) of the proposed site; Aerial photo; Satellite image	☐ Yes ☒ No ☒ NA
Within 1000 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application. *(Applies to permanent pits)* - Visual inspection (certification) of the proposed site; Aerial photo; Satellite image	☐ Yes ☒ No ☒ NA
Within 500 horizontal feet of a private, domestic fresh water well or spring that less than five households use for domestic or stock watering purposes, or within 1000 horizontal feet of any other fresh water well or spring, in existence at the time of initial application. - NM Office of the State Engineer - iWATERS database search; Visual inspection (certification) of the proposed site	☒ Yes ☐ No
Within incorporated municipal boundaries or within a defined municipal fresh water well field covered under a municipal ordinance adopted pursuant to NMSA 1978, Section 3-27-3, as amended. - Written confirmation or verification from the municipality; Written approval obtained from the municipality	☐ Yes ☒ No
Within 500 feet of a wetland. - US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the proposed site	☐ Yes ☒ No
Within the area overlying a subsurface mine. - Written confirmation or verification or map from the NM EMNRD-Mining and Mineral Division	☐ Yes ☒ No
Within an unstable area. - Engineering measures incorporated into the design; NM Bureau of Geology & Mineral Resources; USGS; NM Geological Society; Topographic map	☐ Yes ☒ No
Within a 100-year floodplain. - FEMA map	☐ Yes ☒ No

Temporary Pits, Emergency Pits, and Below-grade Tanks Permit Application Attachment Checklist: Subsection B of 19.15.17.9 NMAC
Instructions: ***Each of the following items must be attached to the application. Please indicate, by a check mark in the box, that the documents are attached.***

- ☐ Hydrogeologic Report (Below-grade Tanks) - based upon the requirements of Paragraph (4) of Subsection B of 19.15.17.9 NMAC
- ☐ Hydrogeologic Data (Temporary and Emergency Pits) - based upon the requirements of Paragraph (2) of Subsection B of 19.15.17.9 NMAC
- ☐ Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19.15.17.10 NMAC
- ☐ Design Plan - based upon the appropriate requirements of 19.15.17.11 NMAC
- ☐ Operating and Maintenance Plan - based upon the appropriate requirements of 19.15.17.12 NMAC
- ☐ Closure Plan - based upon the appropriate requirements of Subsection C of 19.15.17.9 NMAC and 19.15.17.13 NMAC

☐ Previously Approved Design (attach copy of design) API Number: _____ or Permit Number: _____

Closed-loop Systems Permit Application Attachment Checklist: Subsection B of 19.15.17.9 NMAC
Instructions: ***Each of the following items must be attached to the application. Please indicate, by a check mark in the box, that the documents are attached.***

- ☐ Geologic and Hydrogeologic Data (required for on-site closure) - based upon the requirements of Paragraph (3) of Subsection B of 19.15.17.9
- ☐ Siting Criteria Compliance Demonstrations (required for on-site closure) - based upon the appropriate requirements of 19.15.17.10 NMAC
- ☐ Design Plan - based upon the appropriate requirements of 19.15.17.11 NMAC
- ☐ Operating and Maintenance Plan - based upon the appropriate requirements of 19.15.17.12 NMAC
- ☐ Closure Plan - based upon the appropriate requirements of Subsection C of 19.15.17.9 NMAC and 19.15.17.13 NMAC

NMAC

☐ Previously Approved Design (attach copy of design) API Number: _____

Permanent Pits Permit Application Checklist: Subsection B of 19.15.17.9 NMAC

Instructions: Each of the following items must be attached to the application. Please indicate, by a check mark in the box, that the documents are attached.

- ☐ Hydrogeologic Report - based upon the requirements of Paragraph (1) of Subsection B of 19.15.17.9 NMAC
- ☐ Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19.15.17.10 NMAC
- ☐ Climatological Factors Assessment
- ☐ Certified Engineering Design Plans - based upon the appropriate requirements of 19.15.17.11 NMAC
- ☐ Dike Protection and Structural Integrity Design - based upon the appropriate requirements of 19.15.17.11 NMAC
- ☐ Leak Detection Design - based upon the appropriate requirements of 19.15.17.11 NMAC
- ☐ Liner Specifications and Compatibility Assessment - based upon the appropriate requirements of 19.15.17.11 NMAC
- ☐ Quality Control/Quality Assurance Construction and Installation Plan
- ☐ Operating and Maintenance Plan - based upon the appropriate requirements of 19.15.17.12 NMAC
- ☐ Freeboard and Overtopping Prevention Plan - based upon the appropriate requirements of 19.15.17.11 NMAC
- ☐ Nuisance or Hazardous Odors, including H_2S, Prevention Plan
- ☐ Emergency Response Plan
- ☐ Oil Field Waste Stream Characterization
- ☐ Monitoring and Inspection Plan
- ☐ Erosion Control Plan
- ☐ Closure Plan - based upon the appropriate requirements of Subsection C of 19.15.17.9 NMAC and 19.15.17.13 NMAC

Proposed Closure: 19.15.17.13 NMAC

Type: ☒ Drilling ☐ Workover ☐ Emergency ☐ Cavitation ☐ Permanent Pit ☐ Below-grade Tank ☐ Closed-loop System ☐ Alternative

Proposed Closure Method: ☒ Waste Excavation and Removal
- ☐ Waste Removal (Closed-loop systems only)
- ☐ On-site Closure Method (Only for temporary pits and closed-loop systems)
  - ☐ In-place Burial ☐ On-site Trench Burial
- ☐ Alternative Closure Method (Exceptions must be submitted to the Santa Fe Environmental Bureau for consideration)

Siting Criteria (regarding on-site closure methods only): 19.15.17.10 NMAC

Instructions: Each siting criteria requires a demonstration of compliance in the closure plan. Recommendations of acceptable source material are provided below. Requests regarding changes to certain siting criteria may require administrative approval from the appropriate district office or may be considered an exception which must be submitted to the Santa Fe Environmental Bureau office for consideration of approval. Justifications and/or demonstrations of equivalency are required. Please refer to 19.15.17.10 NMAC for guidance.

ound water is less than 50 feet below the bottom of the buried waste. - NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells	☐ Yes ☒ No ☒ NA
Ground water is between 50 and 100 feet below the bottom of the buried waste - NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells	☐ Yes ☒ No ☒ NA
Ground water is more than 100 feet below the bottom of the buried waste. - NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells	☒ Yes ☒ No ☒ NA
Within 300 feet of a continuously flowing watercourse, or 200 feet of any other significant watercourse or lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark). - Topographic map; Visual inspection (certification) of the proposed site	☐ Yes ☒ No
Within 300 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application. - Visual inspection (certification) of the proposed site; Aerial photo; Satellite image	☐ Yes ☒ No
Within 500 horizontal feet of a private, domestic fresh water well or spring that less than five households use for domestic or stock watering purposes, or within 1000 horizontal feet of any other fresh water well or spring, in existence at the time of initial application. - NM Office of the State Engineer - iWATERS database; Visual inspection (certification) of the proposed site	☒ Yes ☐ No
Within incorporated municipal boundaries or within a defined municipal fresh water well field covered under a municipal ordinance adopted pursuant to NMSA 1978, Section 3-27-3, as amended. - Written confirmation or verification from the municipality; Written approval obtained from the municipality	☐ Yes ☒ No
Within 500 feet of a wetland. - US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the proposed site	☐ Yes ☒ No
Within the area overlying a subsurface mine. - Written confirmation or verification or map from the NM EMNRD-Mining and Mineral Division	☐ Yes ☒ No
Within an unstable area. - Engineering measures incorporated into the design; NM Bureau of Geology & Mineral Resources; USGS; NM Geological Society; Topographic map	☐ Yes ☒ No
Within a 100-year floodplain. - FEMA map	☐ Yes ☒ No

Waste Excavation and Removal Closure Plan Checklist: (19.15.17.13 NMAC) ***Instructions: Each of the following items must be attached to the closure plan. Please indicate, by a check mark in the box, that the documents are attached.***

- [x] Protocols and Procedures - based upon the appropriate requirements of 19.15.17.13 NMAC
- [x] Confirmation Sampling Plan (if applicable) - based upon the appropriate requirements of Subsection F of 19.15.17.13 NMAC
- [x] Disposal Facility Name and Permit Number (for liquids, drilling fluids and drill cuttings)
- [x] Soil Backfill and Cover Design Specifications - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC
- [x] Re-vegetation Plan - based upon the appropriate requirements of Subsection I of 19.15.17.13 NMAC
- [x] Site Reclamation Plan - based upon the appropriate requirements of Subsection G of 19.15.17.13 NMAC

Waste Removal Closure For Closed-loop Systems That Utilize Haul-off Bins Only: (19.15.17.13.D NMAC) ***Instructions: Please indentify the facility or facilities for the disposal of liquids, drilling fluids and drill cuttings.***

Disposal Facility Name: Sundance Services LLC Disposal Facility Permit Number: OCD # NM-01-0003

On-Site Closure Plan Checklist: (19.15.17.13 NMAC) ***Instructions: Each of the following items must be attached to the closure plan. Please indicate, by a check mark in the box, that the documents are attached.***

- [ ] Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19.15.17.10 NMAC
- [ ] Proof of Surface Owner Notice - based upon the appropriate requirements of Subsection F of 19.15.17.13 NMAC
- [ ] Construction and Design of Burial Trench (if applicable) based upon the appropriate requirements of 19.15.17.11 NMAC
- [ ] Protocols and Procedures - based upon the appropriate requirements of 19.15.17.13 NMAC
- [ ] Confirmation Sampling Plan (if applicable) - based upon the appropriate requirements of Subsection F of 19.15.17.13 NMAC
- [ ] Waste Material Sampling Plan - based upon the appropriate requirements of Subsection F of 19.15.17.13 NMAC
- [ ] Disposal Facility Name and Permit Number (for liquids, drilling fluids and drill cuttings or in case on-site closure standards cannot be achieved)
- [ ] Soil Cover Design - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC
- [ ] Re-vegetation Plan - based upon the appropriate requirements of Subsection I of 19.15.17.13 NMAC
- [ ] Site Reclamation Plan - based upon the appropriate requirements of Subsection G of 19.15.17.13 NMAC

Operator Application Certification:

I hereby certify that the information submitted with this application is true, accurate and complete to the best of my knowledge and belief.

Name (Print): CAM Robbins Title: Forman

Signature: Cam Robbins Date: 10/2/08

e-mail address: Telephone:

OCD Approval: ☐ Permit Application (including closure plan) ☐ Closure Plan (only)

OCD Representative Signature: Approval Date: 1.29.09

Title: ENVIRO-ENGR OCD Permit Number: P1-00879

Closure Report (required within 60 days of closure completion): Subsection K of 19.15.17.13 NMAC

☐ Closure Completion Date:

Closure Method:

☒ Waste Excavation and Removal ☐ On-Site Closure Method ☐ Alternative Closure Method

☐ If different from approved plan, please explain.

Closure Report Attachment Checklist: ***Instructions: Each of the following items must be attached to the closure report. Please indicate, by a check mark in the box, that the documents are attached.***

- [x] Proof of Closure Notice
- [x] Proof of Deed Notice (if applicable)
- [x] Plot Plan
- [x] Confirmation Sampling Analytical Results
- [x] Waste Material Sampling Analytical Results
- [x] Disposal Facility Name and Permit Number
- [x] Soil Backfilling and Cover Installation
- [x] Re-vegetation Application Rates and Seeding Technique
- [x] Site Reclamation (Photo Documentation)

On-site Closure Location: Latitude N32.39738 Longitude W103.33539 NAD: ☒1927 ☐ 1983

Operator Closure Certification:

I hereby certify that the information and attachments submitted with this closure report is true, accurate and complete to the best of my knowledge and belief. I also certify that the closure complies with all applicable closure requirements and conditions specified in the approved closure plan.

Name (Print): CAM Robbins Title: Forman

Signature: Cam Robbins Date: 10/2/08

e-mail address: Telephone:

P 2 CONSTRUCTION, INC.

Maintenance ◘ Lease ◘ Construction ◘ Dirt Work ◘ Environmental Services

1656 N. Flamingo Ave. Unit A, Odessa, TX 79763 ◘ Office (432) 381-4800 ▪ Fax # (432) 381-4801

July 24, 2008

Melrose Operating Company
P. O. Box 953
Midland TX. 79702

Attn: Mr. Cam Robbins
Production Supervisor

RE: Work Plan For Pit Closure Located Jalmat Field Yates Sand Unit#222; U/L B Sec 14, T22S and R35E of Lea County, New Mexico

Dear Mr. Robbins:

P2 Construction, Inc. would like to take this time to thank you and Melrose Operating Co., for the opportunity to provide our professional services. Please find attached our work plan and cost for the above listed site.

If you have any questions and/or need more data in regards to projects please call at any time. My cell phone is 432-425-6192.

Sincerely,

Reynaldo Garza,
Sr. Project Manager
P2 Construction Inc.

Summary/Overview

The Jalmat Field Yates Sand Unit site should be completed and remediated in accordance with the standards of the NMOCD. Pit closure of the temporary drilling pit will be addressed accordingly.

The potential contaminates of concern are mid to high-level concentrations of Production water and Drill Cuttings circulated into temporary drilling pit from well bore.

The lands primary use is domestic pasture for ranching and the production of oil and gas.

The ground water depth data available for this area showed the depth to ground water to be in the 185' range BGS.

Pursuant to the standards of the NMOCD, the clean up level for this site will be at <5,000ppm of TPH, <50ppm for BTEX and Chlorides less than <250ppm.

The following scope of work was based on data from our site visit and the requirements of the NMOCD for site clean up.

Scope of Work for waste removal and site reclamation

NOTE: Melrose Operating Co. has requested for P2 Construction, Inc. to remove and remediate reserve pit drill cuttings for pit closure. Melrose has also requested that P2 Construction submit a copy of results and reclamation plan to NMOCD for entombment of impacted soils.

1. First P2 Construction will call One-Call for line spot clearance before any excavation at the site is started.

2. P2 Construction will mobilize to the site located in the area Southwest of Eunice, NM equipment and personnel necessary to start and complete the site remediation as required, getting the site back into compliance.

3. P2 Construction will delineate the site vertical and horizontal for chloride's to determine the extent of impacted soil. Samples will them be sent to a third party lab for analysis. Once analyses are sent back with the results; NMOCD will then be contacted for approval before any capping or pit closure is resumed. Due to the size of reserve pit P2 will split the site into quadrants testing 25% of impacted soils. P2 will test the vertical; starting one foot from mud removal into deep bury pit.

4. P2 Construction, Inc. will then start excavation of impacted soil from the temporary pit. Impacted soils (including liner) will be transferred to an approved NMOCD disposal. P2 construction will dry contents of pit to properly transport to Sundance Disposal or a like approved disposal. Sundance Disposal is located approximately 15 miles NE of job site. Then pit will be backfilled with native soil up to ground level.

5. P2 Construction will field screen the site during the excavation and once the CL levels have dropped below NMOCD guidelines, final samples will be taken and sent to a third party lab for analysis; once results are final then OCD will be notified for pit closure.

6. Once all of the remediation criteria have been met for site closure and compliance, the site will be backfilled with clean material from the site. The site will be contoured with a slight crown to prevent the ponding of any rain water and reseeded; with the proper seed according to the NMOCD. Vegetative cover will equal 70% of the native perennial vegetative cover consisting of at least three native plant species, including at least one grass, but not including noxious weeds, and maintain that cover through two successive growing seasons or until successful growth is established.

7. Temporary pit location will be marked by an approved steel marker, no less than four inches in diameter, cemented in a hole three feet deep in the center of the onsite burial. The marker will be flush with the ground to allow access of the active well pad and for safety concerns. The marker will include a threaded collar to be used for future abandonment. The top of the marker will contain a welded steel plate 12" square that indicates the temporary pit. The plate will be easily removable and a four foot tall riser will be threaded into the top of the collar marker and welded around the base with the operator's information. The operator's information will include the following: Operator Name, Lease Name, Well Name and Number, Unit Number, Section, Township, Range and an indicator that the marker is a pit closure location.

8. Once all of the closure criteria have been met, a final closure report will be prepared by P2 Construction. This report will include a summary of remediation operations, findings on-site and lab analysis, site maps and project photos.

If you have any questions and/or need more data in regards to this project please call432-425-6192 at any time.

Sincerely,

Reynaldo Garza
Sr. Project Manager
P2 Construction, Inc.

DISTRICT I
1625 N. FRENCH DR., HOBBS, NM 88240

DISTRICT II
1301 W. GRAND AVENUE, ARTESIA, NM 88210

DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

DISTRICT IV
1220 S. ST. FRANCIS DR., SANTA FE, NM 87505

State of New Mexico
Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION
1220 SOUTH ST. FRANCIS DR.
Santa Fe, New Mexico 87505

Form C-102
Revised JUNE 10, 2003
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

WELL LOCATION AND ACREAGE DEDICATION PLAT

☐ AMENDED REPORT

API Number	Pool Code	Pool Name
30-025- 38875	33820	Jalmat (T-Y-7 Rvrs)

Property Code	Property Name	Well Number
25191	JALMAT Field Yates Sand Unit	222

OGRID No.	Operator Name	Elevation
184860	MELROSE OPERATING COMPANY	3587'

Surface Location

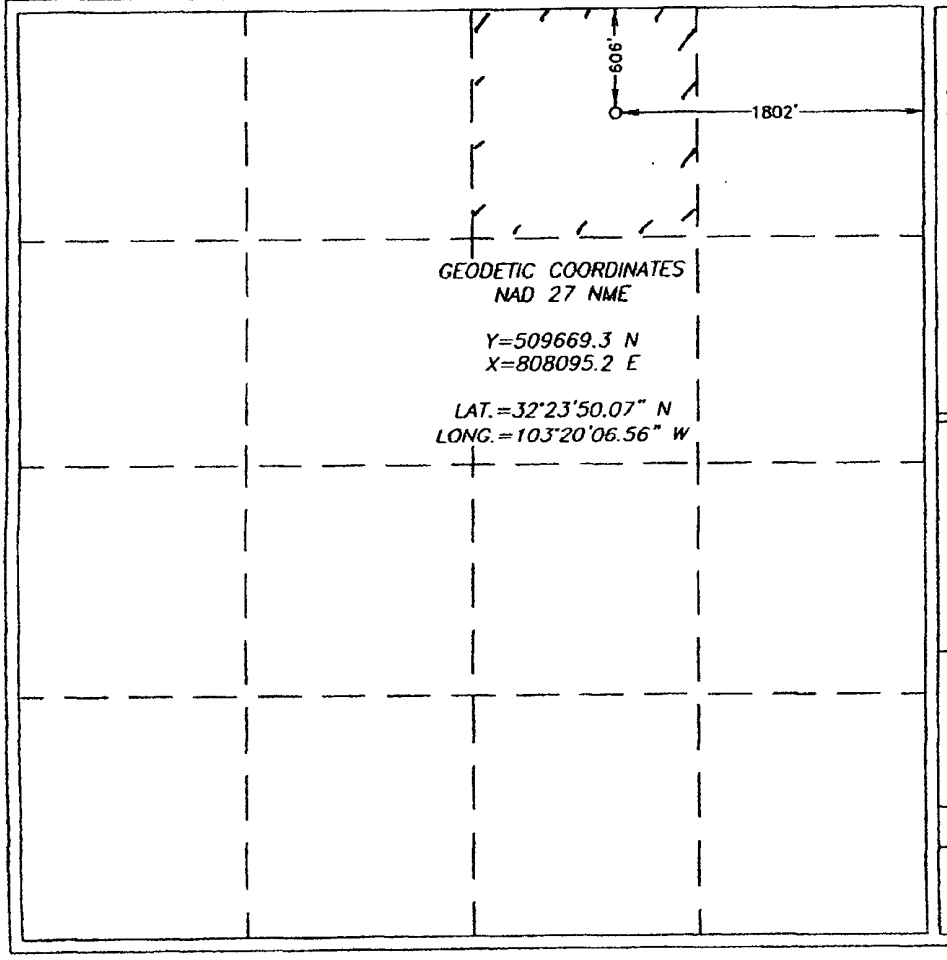
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
B	14	22-S	35-E		606	NORTH	1802	EAST	LEA

Bottom Hole Location If Different From Surface

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County

Dedicated Acres	Joint or Infill	Consolidation Code	Order No.
40			Waterflood Unit

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION



OPERATOR CERTIFICATION

I hereby certify the the information contained herein is true and complete to the best of my knowledge and belief

Signature

Ann E. Ritchie
Printed Name

Regulatory Agent
Title

4-11-08
Date

SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervison, and that the same is true and correct to the best of my belief

GARY G. EIDSON
JANUARY 23, 2006
NEW MEXICO
12641
REGISTERED PROFESSIONAL SURVEYOR

Date Surveyed LA

Signature & Seal of Professional Surveyor

Certificate No. GARY EIDSON 12641

State of New Mexico
Energy, Minerals and Natural Resources Department

DISTRICT I
1625 N. FRENCH DR., HOBBS, NM 88240

DISTRICT II
1301 W. GRAND AVENUE, ARTESIA, NM 88210

DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

DISTRICT IV
1220 S. ST. FRANCIS DR., SANTA FE, NM 87505

OIL CONSERVATION DIVISION
1220 SOUTH ST. FRANCIS DR.
Santa Fe, New Mexico 87505

Form C-102
Revised JUNE 10, 2003
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

WELL LOCATION AND ACREAGE DEDICATION PLAT

☐ AMENDED REPORT

API Number	Pool Code	Pool Name
30-025- 38875	33820	Jalmat (T-Y-7 Rvrs)

Property Code	Property Name	Well Number
25191	JALMAT Field Yates Sand Unit	222

OGRID No.	Operator Name	Elevation
184860	MELROSE OPERATING COMPANY	3587'

Surface Location

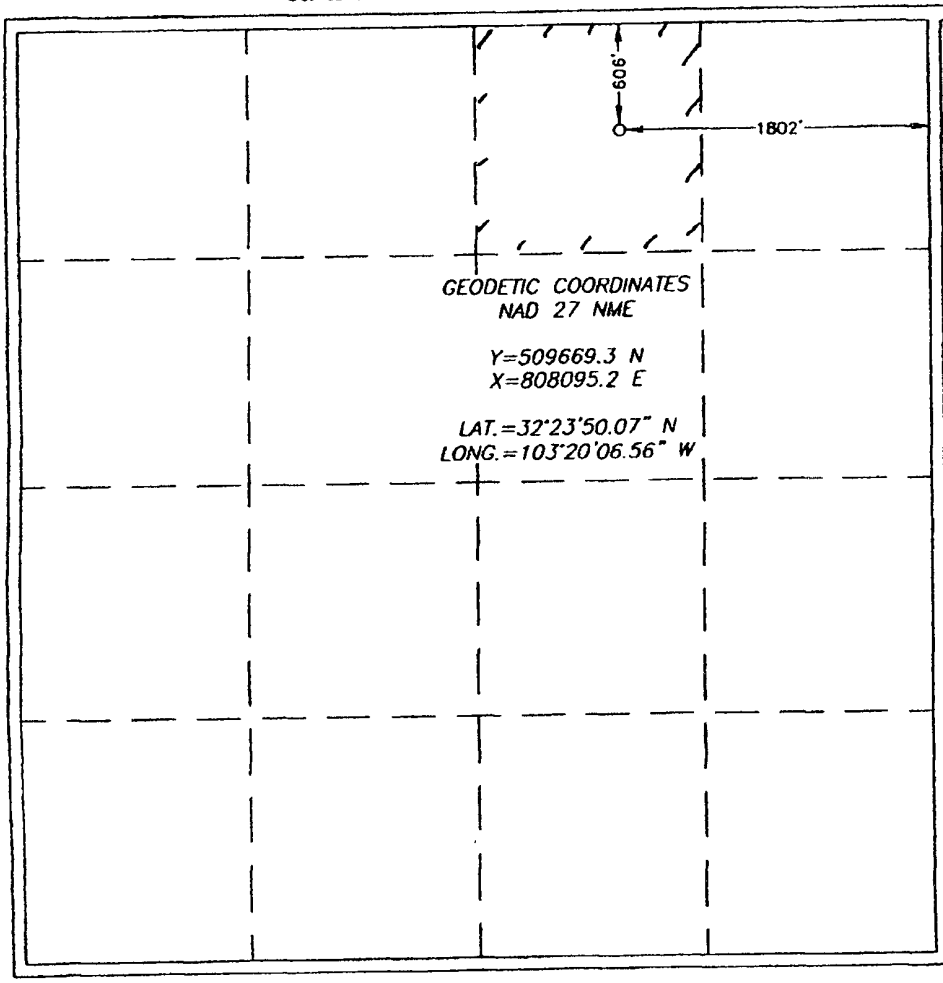
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
B	14	22-S	35-E		606	NORTH	1802	EAST	LEA

Bottom Hole Location If Different From Surface

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County

Dedicated Acres	Joint or Infill	Consolidation Code	Order No.
40			Waterflood Unit

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION



OPERATOR CERTIFICATION

I hereby certify the the information contained herein is true and complete to the best of my knowledge and belief

Signature

Ann E. Ritchie
Printed Name

Regulatory Agent
Title

4-11-08
Date

SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervison, and that the same is true and correct to the best of my belief

GARY G. EIDSON
JANUARY 23, 2006
NEW MEXICO
12641
REGISTERED PROFESSIONAL SURVEYOR

Date Surveyed LA

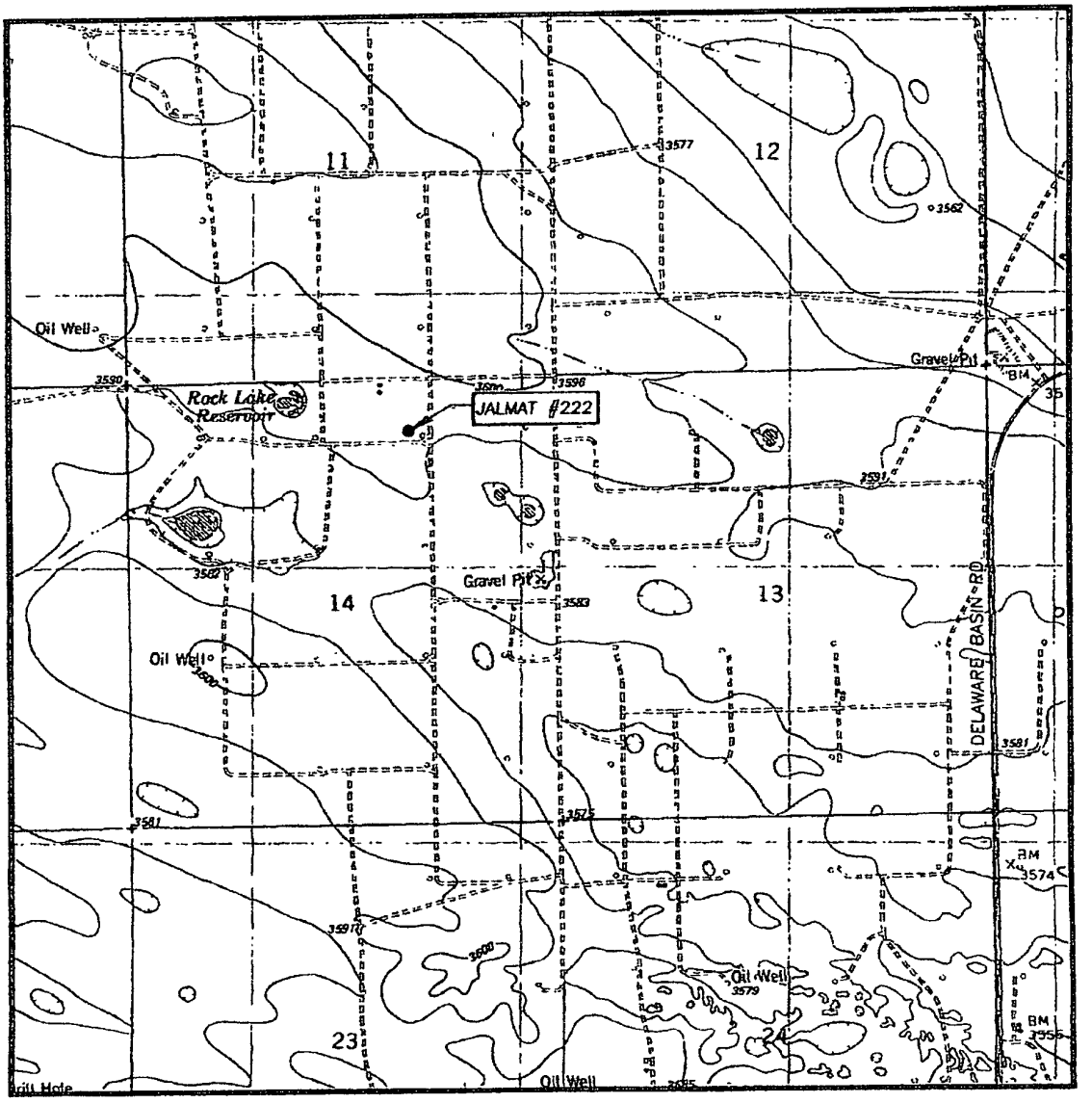
Signature & Seal of Professional Surveyor

4/2/06

06-11-0158

Certificate No. GARY EIDSON 12641

LOCATION VERIFICATION MAP



SCALE: 1" = 2000'

CONTOUR INTERVAL:
OIL CENTER, N.M. – 10'

SEC. 14 TWP. 22-S RGE. 35-E

SURVEY N.M.P.M.

COUNTY LEA STATE N.M.

DESCRIPTION 606' FNL & 1802' FEL

ELEVATION 3587'

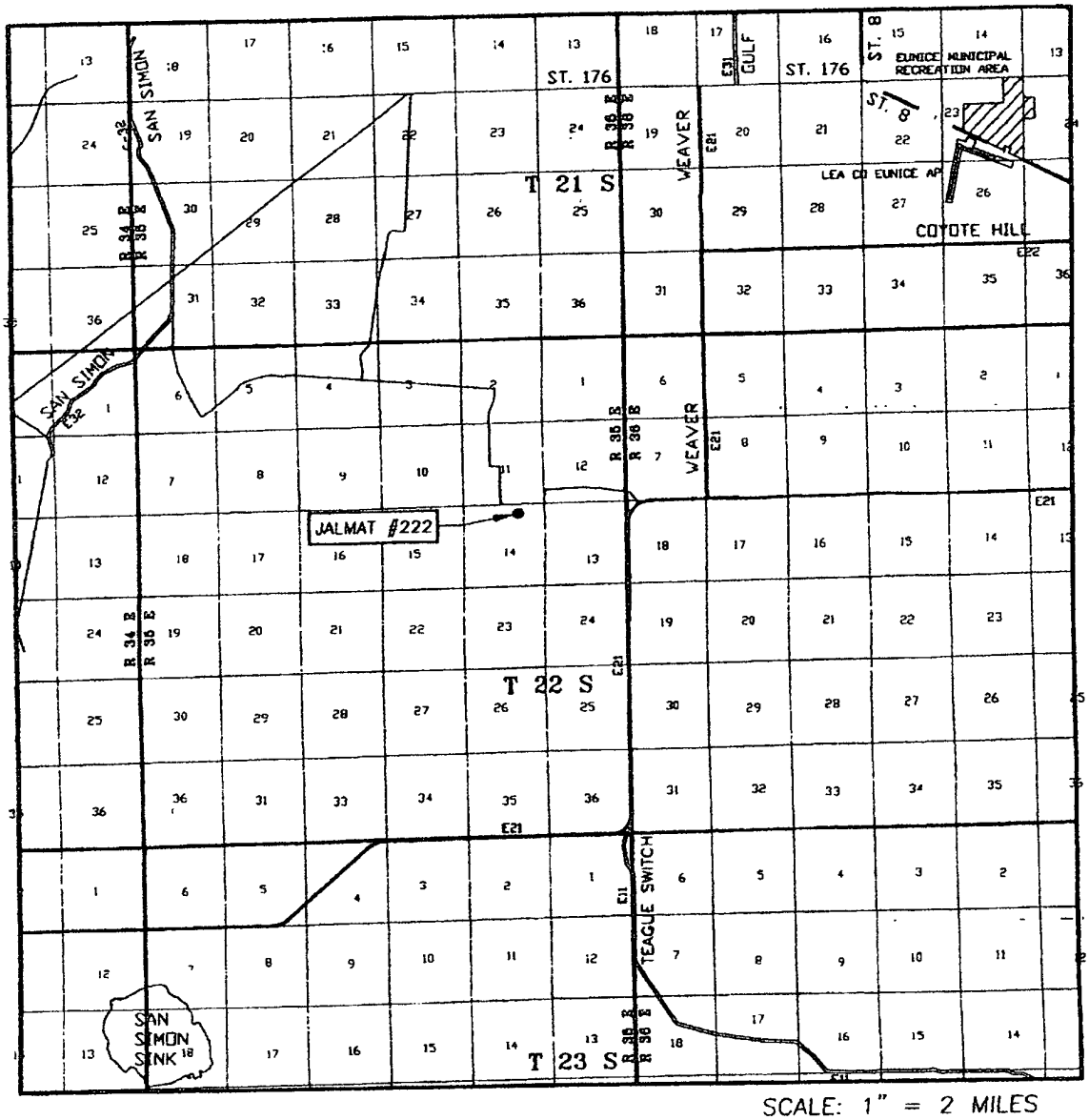
OPERATOR MELROSE OPERATING COMPANY

LEASE JALMAT

U.S.G.S. TOPOGRAPHIC MAP
OIL CENTER, N.M.

PROVIDING SURVEYING SERVICES
SINCE 1946
JOHN WEST SURVEYING COMPANY
412 N. DAL PASO
HOBBS, N.M. 88240
(505) 393-3117

VICINITY MAP



SCALE: 1" = 2 MILES

SEC. 14 TWP. 22-S RGE. 35-E

SURVEY N.M.P.M.

COUNTY LEA STATE N.M.

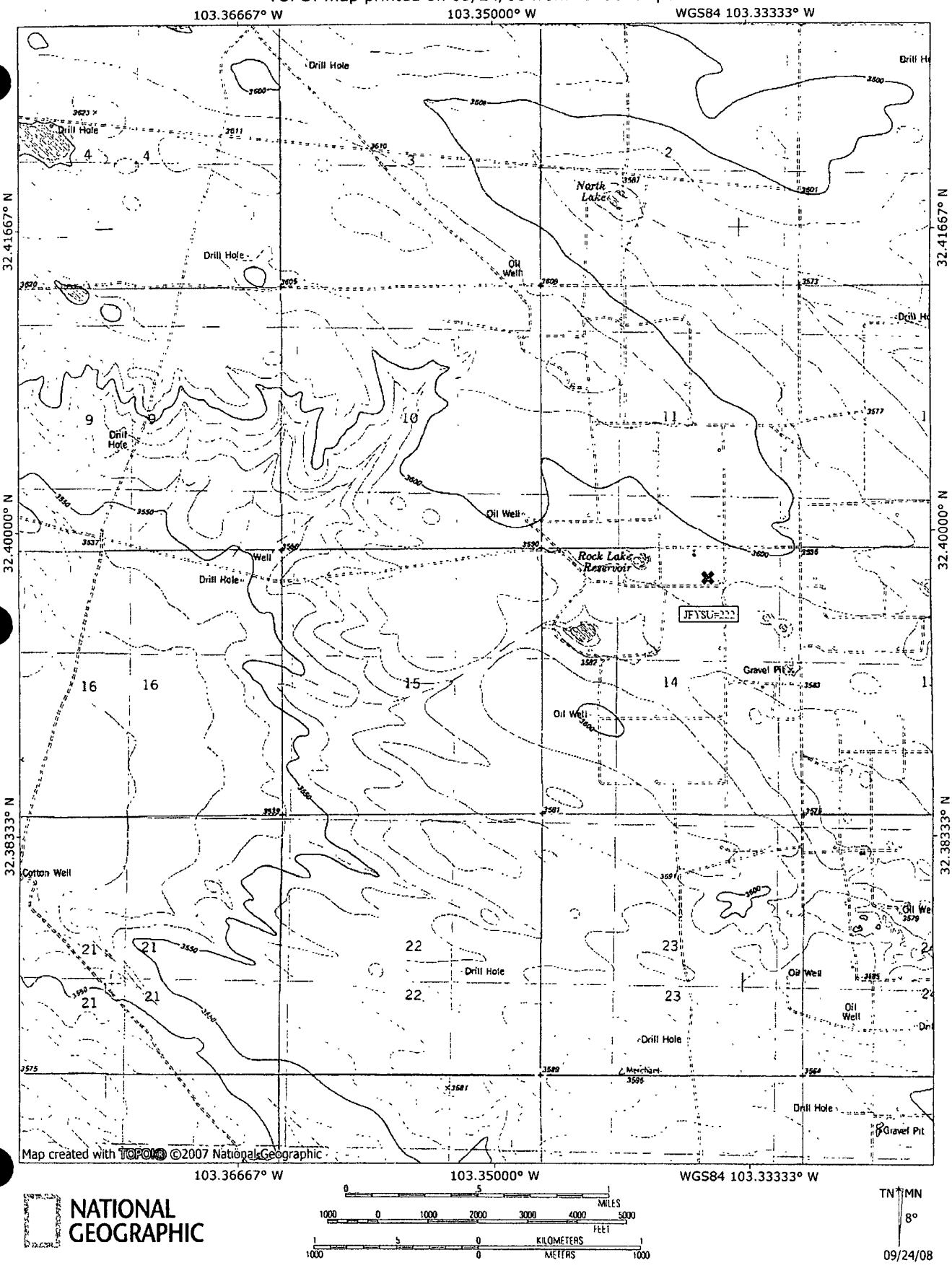
DESCRIPTION 606' FNL & 1802' FEL

ELEVATION 3587'

OPERATOR MELROSE OPERATING COMPANY

LEASE JALMAT

PROVIDING SURVEYING SERVICES SINCE 1946
JOHN WEST SURVEYING COMPANY
412 N. DAL PASO
HOBBS, N.M. 88240
(505) 393-3117


TOPO! map printed on 09/24/08 from "Untitled.tpo"
103.36667° W
103.35000° W
WGS84 103.33333° W
32.41667° N
32.40000° N
32.38333° N
Drill Hole
Oil Well
North Lake
Rock Lake Reservoir
Gravel Pit
Cotton Well
Well
Merchant
Map created with TOPO!® ©2007 National Geographic
NATIONAL GEOGRAPHIC
MILES
FEET
KILOMETERS
METERS
TN MN
8°
09/24/08

September 24, 2008

Final Report For Jalmat Field Yates Sand Unit #222; U/L B Sec14, T22S and R35E of Lea County, NM ; API #30-025-38875

Scope of work for entombment and site reclamation

1. P2 Construction Inc. mobilized to site located in the area Southwest of Eunice NM equipment and personnel were instructed of the procedures and guidelines of the NMOCD.

2. P2 construction took upon the proximity of the water flood station and water flow 50 feet west of site. According to NMOCD guidelines; P2 Construction transported all contents of drilling mud and impacted material to Sundance Disposal. Which is located approximately East by North East of the job site

3. P2 excavated the site and pre-mixed impacted material to transport for drying; so that material would not run out from Belly Dump Trailers.

4. P2 then delineated the site vertically and horizontally for chlorides. P2 then sent four site samples and one background sample to a 3rd party lab for analysis.

5. P2 received notice from the 3rd party lab that soil samples analysis failed and were more than total average of 250 ppm chloride concentration. P2 then excavated site from 6' to 8' in depth. P2 then transported those contents to Sundance Disposal. P2 transported a total of 1,000 cyrds to disposal.

6. Once the lab results were received from 3rd party lab and come back with results less than total average of 250 ppm Chloride concentration, BTEX less than 50 ppm, TPH less than 5,000 ppm.

7. P2 then backfilled the deep bury trench with native top soil; so that re-vegetation would be possible. Then P2 backfilled the cleaned out temporary drilling pit with caliche up to one foot and a half from the surface. Then P2 backfill the remainder of the one foot and a half with native top soil for vegetation.

8. P2 then re-seeded area with RS warm season grass mix.P2 then used a farm tractor and seeder bin to spread the seed and cover seed approximately 1"to 1-1/2" in depth over the entire area of temporary pit and deep bury trench; which covered an area approximately 200'X150'in width. Seeding is based on at least three native plants and should result in at least 70% of plant growth within two seasons.

Signature,

Reynaldo J Garza

Sr.Project Manager

P2 Construction Inc.

KIND: ANNUAL RYEGRASS
VARIETY: GULF
LOT #: L73843G
ORIGIN: ORE
NET WT: 50 LBS
TESTED: 8/08
PURE SEED: 96.49%
INERT MATTER: 0.32%
OTHER CROP: 3.00%
WEED SEED: 0.19%
NOXIOUS SEED PER LB: NONE
GERMINATION: 90%

RICHARDSON SEEDS, INC.
VEGA, TEXAS 79092

2008 RS WARM SEASON GRASS MIX

% By Wt.	Kind:	Lot:
26.00%	WW Spar Bluestem	PH06
20.00%	Blaze Little Bluestem	BLZ2133
18.00%	Sel. 75 Kleingrass	27046
12.00%	Green Sprangletop	27025ARC
7.00%	VNS Sideoats Grama	GSS1619
5.00%	Blue Grama	GBB1142
5.00%	Sand Lovegrass	LLS2116
4.00%	Annual Ryegrass	L73843G
3.00%	Tiffany Teff	4091261
100.00%		

RICHARDSON SEEDS, LTD.
VEGA, TX 79092

KIND: YELLOW BLUESTEM
VARIETY: WW SPAR
LOT #: PH06
ORIGIN: TX
NET WT. 50 LBS TESTED: 10/07
PURE SEED: 78.95%
INERT MATTER 21.01%
OTHER CROP: 0.01%
WEED SEED: 0.03%
NOXIOUS SEED PER LB: NONE
GERMINATION: 81% + 12% DORMANT SEED
TOTAL GERMINATION & HARD SEED = 93%
RICHARDSON SEEDS, INC.
VEGA, TEXAS 79092

KIND: LITTLE BLUESTEM
VARIETY: BLAZE
LOT #: BLZ2133
ORIGIN: KS
NET WT: 40 LBS
TESTED: 04/08
PURE SEED: 63.02%
INERT MATTER: 36.63%
OTHER CROP: 0.19%
WEED SEED: 0.16%
NOXIOUS SEED PER LB: NONE
GERMINATION: 61% + 14% DORMANT SEED
TOTAL GERMINATION & DORMANT SEED = 75%
RICHARDSON SEEDS, INC.

VARIETY: SEL.75
LOT #: 27046A
ORIGIN: TX
NET WT: 50 LBS
TESTED: 03/08 90.08% PLS
PURE SEED: 98.99%
INERT MATTER 0.88%
OTHER CROP: 0.03%
WEED SEED: 0.10%
NOXIOUS SEED PER LB: NONE
GERMINATION: 69% + 22% DORMANT SEED
TOTAL GERMINATION = 91%
RICHARDSON SEEDS, INC.
VEGA, TEXAS 79092

KIND: GREEN SPRANGLETOP
VARIETY: VAN HORN
LOT #: 27025ARC
ORIGIN: TX
NET WT: 50 LBS
TESTED: 04/08 80.28%PLS
PURE SEED: 84.50%
INERT MATTER 14.19%
OTHER CROP: 0.12%
WEED SEED: 1.19%
NOXIOUS SEED PER LB: NONE
GERMINATION: 77% + 18% DORMANT SEED
TOTAL GERMINATION = 95%
RICHARDSON SEEDS, INC.
VEGA, TEXAS 79092

KIND: BLUE GRAMA
VARIETY: NOT STATED
LOT #: 6061A
ORIGIN: TX
NET WT: 30 LBS
TESTED: 12/07 69.46% PLS
PURE SEED: 75.50%
INERT MATTER: 24.35%
OTHER CROP: 0.09%
WEED SEED: 0.05%
NOXIOUS SEED PER LB: NONE
GERMINATION: 92%

RICHARDSON SEEDS, INC.
VEGA, TEXAS 79092

KIND: SIDEOATS GRAMA
VARIETY: NOT STATED
LOT #: GSS1619
ORIGIN: KS
NET WT: 40 LBS
TESTED: 04/08 63.01% PLS
PURE SEED: 92.66%
INERT MATTER: 4.84%
OTHER CROP: 0.00%
WEED SEED: 2.50%
NOXIOUS SEED PER LB: NONE
GERMINATION: 68%

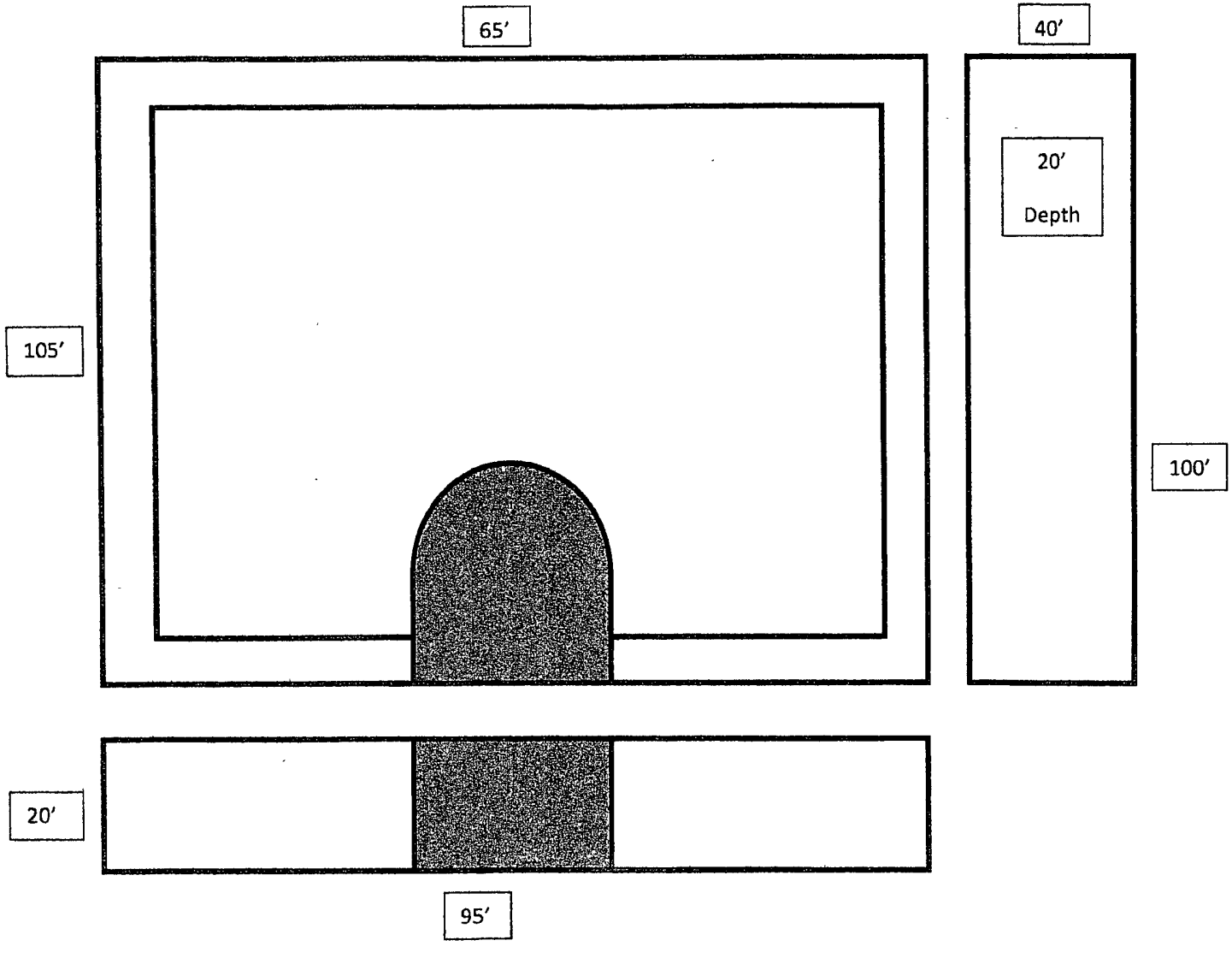
RICHARDSON SEEDS, INC.
VEGA, TEXAS 79092

KIND:	SAND LOVEGRASS	
VARIETY:	NOT STATED	
LOT #:	LLS-2116	
ORIGIN:	KS	
NET WT:	50 LBS	
TESTED: 11/07	84.85% PLS	
PURE SEED:		99.82%
INERT MATTER		0.09%
OTHER CROP:		0.00%
WEED SEED:		0.09%
NOXIOUS SEED PER LB:		NONE
GERMINATION:	7% + 78%	DORMANT SEED
TOTAL GERMINATION =		85%

RICHARDSON SEEDS, INC.
VEGA, TEXAS 79092

KIND:	TEFF	
VARIETY:	TIFFANY	
LOT #:	04-09-126-1	
ORIGIN:	IDAHO	
NET WT:	LBS	
TESTED:	11/07	
PURE SEED:		49.65%
INERT MATTER:		0.20%
OTHER CROP:		0.00%
WEED SEED:		0.15%
COATING MATERIAL:		50.00%
NOXIOUS SEED PER LB:		NONE
GERMINATION:		88%

RICHARDSON SEEDS, INC.
VEGA, TEXAS 79092



P2 Construction, Inc.

Summary Report

Ray Garza
P2 Construction
1656 N Flamingo Ave
Unit A
Odessa, TX, 79763

Report Date: August 12, 2008

Work Order: 8080806

Project Location: Lea County, NM
Project Name: JFYSU
Project Number: Well #222

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
169967	BG	soil	2008-08-06	08:00	2008-08-07
169968	FE	soil	2008-08-06	08:15	2008-08-07
169969	FW	soil	2008-08-06	08:20	2008-08-07
169970	NE	soil	2008-08-06	08:25	2008-08-07
169971	SW	soil	2008-08-06	08:30	2008-08-07

	BTEX				MTBE	TPH DRO	TPH GRO
	Benzene	Toluene	Ethylbenzene	Xylene	MTBE	DRO	GRO
Sample - Field Code	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)
169967 - BG	<0.0100	<0.0100	<0.0100	<0.0100		<50.0	<1.00
169968 - FE	<0.0100	<0.0100	<0.0100	<0.0100		<50.0	<1.00
169969 - FW	<0.0100	<0.0100	<0.0100	<0.0100		<50.0	<1.00
169970 - NE	<0.0100	<0.0100	<0.0100	<0.0100		<50.0	<1.00
169971 - SW	<0.0100	<0.0100	<0.0100	<0.0100		<50.0	<1.00

Sample: 169967 - BG

Param	Flag	Result	Units	RL
Chloride		**9140**	mg/Kg	3.25

Sample: 169968 - FE

Param	Flag	Result	Units	RL
Chloride		**2680**	mg/Kg	3 25

Sample: 169969 - FW

Param	Flag	Result	Units	RL
Chloride		**5960**	mg/Kg	3.25

Sample: 169970 - NE

Param	Flag	Result	Units	RL
Chloride		**9320**	mg/Kg	3.25

Sample: 169971 - SW

Param	Flag	Result	Units	RL
Chloride		**1350**	mg/Kg	3.25

Summary Report

Ray Garza
P2 Construction
1656 N Flamingo Ave
Unit A
Odessa, TX, 79763

Report Date: September 26, 2008

Work Order: 8092606

Project Location: Lea County, NM
Project Name: JFYSU
Project Number: Well #222

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
174715	NE	soil	2008-09-25	11:00	2008-09-25
174716	NW	soil	2008-09-25	11:05	2008-09-25
174717	SW	soil	2008-09-25	11:10	2008-09-25
174718	SE	soil	2008-09-25	11:15	2008-09-25

Sample: 174715 - NE

Param	Flag	Result	Units	RL
Chloride		**289**	mg/Kg	3.25

Sample: 174716 - NW

Param	Flag	Result	Units	RL
Chloride		**270**	mg/Kg	3.25

Sample: 174717 - SW

Param	Flag	Result	Units	RL
Chloride		**260**	mg/Kg	3.25

Sample: 174718 - SE

Param	Flag	Result	Units	RL
Chloride		**278**	mg/Kg	3.25

TRACEANALYSIS, INC.

6701 Aberdeen Avenue Suite 9 Lubbock, Texas 79424 800•378•1296 806•794•1296 FAX 806•794•1298
200 East Sunset Road, Suite E El Paso, Texas 79922 888•588•3443 915•585•3443 FAX 915•585•4944
5002 Basin Street, Suite A1 Midland, Texas 79703 432•689•6301 FAX 432•689•6313
6015 Harris Parkway Suite 110 Ft Worth, Texas 76132 817•201•5260
E-Mail lab@traceanalysis.com

Certifications

WBENC: 237019 **HUB:** 1752439743100-86536 **DBE:** VN 20657
NCTRCA WFWB38444Y0909

NELAP Certifications

Lubbock: T104704219-08-TX LELAP-02003 Kansas E-10317 **El Paso:** T104704221-08-TX LELAP-02002 **Midland:** T104704392-08-TX

Analytical and Quality Control Report

Ray Garza
P2 Construction
1656 N Flamingo Ave
Unit A
Odessa, TX, 79763

Report Date: September 26, 2008

Work Order: 8092606

Project Location: Lea County, NM
Project Name: JFYSU
Project Number: Well #222

Enclosed are the Analytical Report and Quality Control Report for the following sample(s) submitted to TraceAnalysis, Inc.

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
174715	NE	soil	2008-09-25	11:00	2008-09-25
174716	NW	soil	2008-09-25	11:05	2008-09-25
174717	SW	soil	2008-09-25	11:10	2008-09-25
174718	SE	soil	2008-09-25	11:15	2008-09-25

These results represent only the samples received in the laboratory. The Quality Control Report is generated on a batch basis. All information contained in this report is for the analytical batch(es) in which your sample(s) were analyzed.

This report consists of a total of 6 pages and shall not be reproduced except in its entirety, without written approval of TraceAnalysis, Inc.

Dr. Blair Leftwich, Director

Standard Flags

B - The sample contains less than ten times the concentration found in the method blank.

Case Narrative

Samples for project JFYSU were received by TraceAnalysis, Inc. on 2008-09-25 and assigned to work order 8092606. Samples for work order 8092606 were received intact at a temperature of 6.0 deg. C.

Samples were analyzed for the following tests using their respective methods,

Test	Method
Chloride (Titration)	SM 4500-Cl B

Results for these samples are reported on a wet weight basis unless data package indicates otherwise.

A matrix spike (MS) and matrix spike duplicate (MSD) sample is chosen at random from each preparation batch. The MS and MSD will indicate if a site specific matrix problem is occurring, however, it may not pertain to the samples for work order 8092606 since the sample was chosen at random. Therefore, the validity of the analytical data reported has been determined by the laboratory control sample (LCS) and the method blank (MB). These quality control measures are performed with each preparation batch to ensure data integrity.

All other exceptions associated with this report have been footnoted on the appropriate analytical page to assist in general data comprehension. Please contact the laboratory directly if there are any questions regarding this project.

Analytical Report

Sample: 174715 - NE

Laboratory:	Lubbock				
Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	52758	Date Analyzed:	2008-09-26	Analyzed By:	RD
Prep Batch:	45221	Sample Preparation:	2008-09-26	Prepared By:	RD

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		**289**	mg/Kg	10	3 25

Sample: 174716 - NW

Laboratory:	Lubbock				
Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	52758	Date Analyzed:	2008-09-26	Analyzed By:	RD
Prep Batch:	45221	Sample Preparation:	2008-09-26	Prepared By:	RD

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		**270**	mg/Kg	10	3.25

Sample: 174717 - SW

Laboratory:	Lubbock				
Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	52758	Date Analyzed:	2008-09-26	Analyzed By:	RD
Prep Batch:	45221	Sample Preparation:	2008-09-26	Prepared By:	RD

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		**260**	mg/Kg	10	3.25

Sample: 174718 - SE

Laboratory:	Lubbock				
Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	52758	Date Analyzed:	2008-09-26	Analyzed By:	RD
Prep Batch:	45221	Sample Preparation:	2008-09-26	Prepared By:	RD

continued ...

sample 174718 continued ...

Parameter	Flag	RL Result	Units	Dilution	RL

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		**278**	mg/Kg	10	3.25

Method Blank (1) QC Batch: 52758

QC Batch: 52758 Date Analyzed: 2008-09-26 Analyzed By: RD
Prep Batch: 45221 QC Preparation: 2008-09-26 Prepared By: RD

Parameter	Flag	MDL Result	Units	RL
Chloride		<1.80	mg/Kg	3.25

Laboratory Control Spike (LCS-1)

QC Batch: 52758 Date Analyzed: 2008-09-26 Analyzed By: RD
Prep Batch: 45221 QC Preparation: 2008-09-26 Prepared By: RD

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	97.5	mg/Kg	1	100	<1 80	98	96.5 - 104.4

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride	98.3	mg/Kg	1	100	<1.80	98	96.5 - 104.4	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 174718

QC Batch: 52758 Date Analyzed: 2008-09-26 Analyzed By: RD
Prep Batch: 45221 QC Preparation: 2008-09-26 Prepared By: RD

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	766	mg/Kg	10	500	277.78	98	74.7 - 123.2

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride	768	mg/Kg	10	500	277.78	98	74.7 - 123.2	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Standard (ICV-1)

QC Batch: 52758 Date Analyzed: 2008-09-26 Analyzed By: RD

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/Kg	100	100	100	85 - 115	2008-09-26

Standard (CCV-1)

QC Batch: 52758 Date Analyzed: 2008-09-26 Analyzed By: RD

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/Kg	100	99.4	99	85 - 115	2008-09-26

LAB Order ID # 8092606 Page _____ of _____

TraceAnalysis, Inc.

email: lab@traceanalysis.com

6701 Aberdeen Avenue, Suite 9, Lubbock, Texas 79424, Tel (806) 794-1296, Fax (806) 794-1298, 1 (800) 378-1296
5002 Basin Street Suite A1, Midland, Texas 79703, Tel (432) 689-6301, Fax (432) 689-6313
200 East Sunset Rd., Suite E, El Paso, Texas 79922, Tel (915) 585-3443, Fax (915) 585-4944, 1 (888) 588-3443
8808 Camp Bowie Blvd West, Suite 180, Ft. Worth, Texas 76116, Tel (817) 201-5260, Fax (817) 560-4336

Company Name: PZ Construction
Phone #: 432-381-4800
Address: (Street, City, Zip) 1656 N Flamingo Unit Ave A Odessa Tx 79
Fax #: 432-381-4801
Contact Person: Ray Garza
E-mail: rayg_PZinc@sbcglobal.net
Invoice to: (If different from above) Melrose
Project #: 222
Project Name: JETSU
Project Location (including state): Lea County NM
Sampler Signature:

LAB # (LAB USE ONLY)	FIELD CODE	# CONTAINERS	Volume / Amount	MATRIX: WATER	SOIL	AIR	SLUDGE	PRESERVATIVE METHOD: HCl	HNO_3	H_2SO_4	NaOH	ICE	NONE	SAMPLING: DATE	TIME
174915	NE	402			X							X		9/25/08	11:00
916	NW				X							X			11:05
917	SW				X							X			11:10
918	SE				X							X			11:15

ANALYSIS REQUEST (Circle or Specify Method No.)

MTBE 8021B / 602 / 8260B / 624	BTEX 8021B / 602 / 8260B / 624	TPH 418.1 / TX1005 / TX1005 Ext(C35)	TPH 8015 GRO / DRO / TVHC	PAH 8270C / 625	Total Metals Ag As Ba Cd Cr Pb Se Hg 6010B/200.7	TCLP Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Volatiles	TCLP Semi Volatiles	TCLP Pesticides	RCI	GC/MS Vol. 8260B / 624	GC/MS Semi. Vol. 8270C / 625	PCB's 8082 / 608	Pesticides 8081A / 608	BOD, TSS, pH	Moisture Content	CHL					Turn Around Time if different from standard	Hold
																X	X						
																X							
																X							
																X							

Relinquished by: Company: Date: Time: Received by: Company: Date: Time: Temp°c:
Ray Garza PZ Const. 9/25/08 3:32PM

Relinquished by: Company: Date: Time: Received by: Company: Date: Time: Temp°c:

Relinquished by: Company: Date: Time: Received by: Company: Date: Time: Temp°c:
Jerry Holmes 9/25/08 3:32PM

LAB USE ONLY
Intact Y / N
Headspace Y / N / NA
Log-In-Review

REMARKS: 24 HR
ONICE

- [ ] Dry Weight Basis Required
- [ ] TRRP Report Required
- [ ] Check If Special Reporting Limits Are Needed

Lab Carrier # Walk In

Submittal of samples constitutes agreement to Terms and Conditions listed on reverse side of C. O. C.

TRACEANALYSIS, INC.

6701 Aberdeen Avenue, Suite 9 Lubbock, Texas 79424 800•378•1296 806•794•1296 FAX 806•794•1298
200 East Sunset Road, Suite E El Paso, Texas 79922 888•588•3443 915•585•3443 FAX 915•585•4944
5002 Basin Street, Suite A1 Midland, Texas 79703 432•689•6301 FAX 432•689•6313
8808 Camp Bowie Blvd West, Suite 180 Ft Worth, Texas 76116 817•201•5260 FAX 817•560•4336
E-Mail lab@traceanalysis.com

NELAP Certifications

Lubbock: T104704219-08-TX LELAP-02003 Kansas E-10317 **El Paso:** T104704221-08-TX LELAP-02002 **Midland:** T104704392-08-TX

Analytical and Quality Control Report

Ray Garza
P2 Construction
1656 N Flamingo Ave
Unit A
Odessa, TX, 79763

Report Date: August 12, 2008

Work Order: 8080806

Project Location: Lea County, NM
Project Name: JFYSU
Project Number: Well #222

Enclosed are the Analytical Report and Quality Control Report for the following sample(s) submitted to TraceAnalysis, Inc.

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
169967	BG	soil	2008-08-06	08:00	2008-08-07
169968	FE	soil	2008-08-06	08:15	2008-08-07
169969	FW	soil	2008-08-06	08:20	2008-08-07
169970	NE	soil	2008-08-06	08:25	2008-08-07
169971	SW	soil	2008-08-06	08:30	2008-08-07

These results represent only the samples received in the laboratory. The Quality Control Report is generated on a batch basis. All information contained in this report is for the analytical batch(es) in which your sample(s) were analyzed.

Dr. Blair Leftwich, Director

Standard Flags

B - The sample contains less than ten times the concentration found in the method blank.

Case Narrative

Samples for project JFYSU were received by TraceAnalysis, Inc. on 2008-08-07 and assigned to work order 8080806. Samples for work order 8080806 were received intact at a temperature of 3.8 deg. C.

Samples were analyzed for the following tests using their respective methods.

Test	Method
BTEX	S 8021B
Chloride (Titration)	SM 4500-Cl B
TPH DRO	Mod. 8015B
TPH GRO	S 8015B

Results for these samples are reported on a wet weight basis unless data package indicates otherwise.

A matrix spike (MS) and matrix spike duplicate (MSD) sample is chosen at random from each preparation batch. The MS and MSD will indicate if a site specific matrix problem is occurring, however, it may not pertain to the samples for work order 8080806 since the sample was chosen at random. Therefore, the validity of the analytical data reported has been determined by the laboratory control sample (LCS) and the method blank (MB). These quality control measures are performed with each preparation batch to ensure data integrity.

All other exceptions associated with this report have been footnoted on the appropriate analytical page to assist in general data comprehension. Please contact the laboratory directly if there are any questions regarding this project.

Analytical Report

Sample: 169967 - BG

Laboratory:	Lubbock				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5035
QC Batch:	51304	Date Analyzed:	2008-08-08	Analyzed By:	ER
Prep Batch:	44000	Sample Preparation:	2008-08-08	Prepared By:	ER

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.0100	mg/Kg	1	0.0100
Toluene		<0.0100	mg/Kg	1	0.0100
Ethylbenzene		<0.0100	mg/Kg	1	0.0100
Xylene		<0.0100	mg/Kg	1	0.0100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1.24	mg/Kg	1	1.00	124	59 - 136.1
4-Bromofluorobenzene (4-BFB)		1.26	mg/Kg	1	1.00	126	54.4 - 176.2

Sample: 169967 - BG

Laboratory:	Lubbock				
Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	51357	Date Analyzed:	2008-08-12	Analyzed By:	RG
Prep Batch:	44042	Sample Preparation:	2008-08-11	Prepared By:	RG

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		**9140**	mg/Kg	100	3.25

Sample: 169967 - BG

Laboratory:	Lubbock				
Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	51280	Date Analyzed:	2008-08-10	Analyzed By:	MN
Prep Batch:	43984	Sample Preparation:	2008-08-08	Prepared By:	MN

Parameter	Flag	RL Result	Units	Dilution	RL
DRO		<50.0	mg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		99.0	mg/Kg	1	100	99	49.5 - 185

Sample: 169967 - BG

Laboratory:	Lubbock				
Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5035
QC Batch:	51305	Date Analyzed:	2008-08-08	Analyzed By:	ER
Prep Batch:	44000	Sample Preparation:	2008-08-08	Prepared By:	ER

Parameter	Flag	RL Result	Units	Dilution	RL
GRO		<1.00	mg/Kg	1	1.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1.28	mg/Kg	1	1.00	128	55.3 - 161.9
4-Bromofluorobenzene (4-BFB)		1.36	mg/Kg	1	1.00	136	45.6 - 214.7

Sample: 169968 - FE

Laboratory:	Lubbock				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5035
QC Batch:	51304	Date Analyzed:	2008-08-08	Analyzed By:	ER
Prep Batch:	44000	Sample Preparation:	2008-08-08	Prepared By:	ER

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.0100	mg/Kg	1	0.0100
Toluene		<0.0100	mg/Kg	1	0.0100
Ethylbenzene		<0.0100	mg/Kg	1	0.0100
Xylene		<0.0100	mg/Kg	1	0.0100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1.35	mg/Kg	1	1.00	135	59 - 136 1
4-Bromofluorobenzene (4-BFB)		1.28	mg/Kg	1	1.00	128	54.4 - 176.2

Sample: 169968 - FE

Laboratory:	Lubbock				
Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	51357	Date Analyzed:	2008-08-12	Analyzed By:	RG
Prep Batch:	44042	Sample Preparation:	2008-08-11	Prepared By:	RG

Parameter	Flag	Result	RL	Units	Dilution	RL
Chloride		**2680**		mg/Kg	100	3.25

Sample: 169968 - FE

Laboratory:	Lubbock				
Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	51280	Date Analyzed:	2008-08-10	Analyzed By:	MN
Prep Batch:	43984	Sample Preparation:	2008-08-08	Prepared By:	MN

Parameter	Flag	Result	RL	Units	Dilution	RL
DRO		<50.0		mg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		102	mg/Kg	1	100	102	49.5 - 185

Sample: 169968 - FE

Laboratory:	Lubbock				
Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5035
QC Batch:	51305	Date Analyzed:	2008-08-08	Analyzed By:	ER
Prep Batch:	44000	Sample Preparation:	2008-08-08	Prepared By:	ER

Parameter	Flag	Result	RL	Units	Dilution	RL
GRO		<1.00		mg/Kg	1	1.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1.41	mg/Kg	1	1.00	141	55.3 - 161.9
4-Bromofluorobenzene (4-BFB)		1.39	mg/Kg	1	1.00	139	45.6 - 214.7

Sample: 169969 - FW

Laboratory:	Lubbock				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5035
QC Batch:	51304	Date Analyzed:	2008-08-08	Analyzed By:	ER
Prep Batch:	44000	Sample Preparation:	2008-08-08	Prepared By:	ER

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.0100	mg/Kg	1	0.0100
Toluene		<0.0100	mg/Kg	1	0 0100
Ethylbenzene		<0.0100	mg/Kg	1	0.0100
Xylene		<0.0100	mg/Kg	1	0.0100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1.30	mg/Kg	1	1.00	130	59 - 136.1
4-Bromofluorobenzene (4-BFB)		1.26	mg/Kg	1	1.00	126	54.4 - 176.2

Sample: 169969 - FW

Laboratory:	Lubbock				
Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	51357	Date Analyzed:	2008-08-12	Analyzed By:	RG
Prep Batch:	44042	Sample Preparation:	2008-08-11	Prepared By:	RG

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		**5960**	mg/Kg	100	3.25

Sample: 169969 - FW

Laboratory:	Lubbock				
Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	51280	Date Analyzed:	2008-08-10	Analyzed By:	MN
Prep Batch:	43984	Sample Preparation:	2008-08-08	Prepared By:	MN

Parameter	Flag	RL Result	Units	Dilution	RL
DRO		<50.0	mg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		87.4	mg/Kg	1	100	87	49.5 - 185

Sample: 169969 - FW

Laboratory:	Lubbock				
Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5035
QC Batch:	51305	Date Analyzed:	2008-08-08	Analyzed By:	ER
Prep Batch:	44000	Sample Preparation:	2008-08-08	Prepared By:	ER

Parameter	Flag	RL Result	Units	Dilution	RL
GRO		<1.00	mg/Kg	1	1.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1.32	mg/Kg	1	1.00	132	55.3 - 161.9
4-Bromofluorobenzene (4-BFB)		1.36	mg/Kg	1	1.00	136	45.6 - 214.7

Sample: 169970 - NE

Laboratory:	Lubbock				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5035
QC Batch:	51304	Date Analyzed:	2008-08-08	Analyzed By:	ER
Prep Batch:	44000	Sample Preparation:	2008-08-08	Prepared By:	ER

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.0100	mg/Kg	1	0.0100
Toluene		<0.0100	mg/Kg	1	0.0100
Ethylbenzene		<0.0100	mg/Kg	1	0.0100
Xylene		<0.0100	mg/Kg	1	0.0100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1.18	mg/Kg	1	1.00	118	59 - 136.1
4-Bromofluorobenzene (4-BFB)		1.14	mg/Kg	1	1.00	114	54.4 - 176.2

Sample: 169970 - NE

Laboratory:	Lubbock				
Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	51357	Date Analyzed:	2008-08-12	Analyzed By:	RG
Prep Batch:	44042	Sample Preparation:	2008-08-11	Prepared By:	RG

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		**9320**	mg/Kg	100	3.25

Sample: 169970 - NE

Laboratory:	Lubbock				
Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	51280	Date Analyzed:	2008-08-10	Analyzed By:	MN
Prep Batch:	43984	Sample Preparation:	2008-08-08	Prepared By:	MN

Parameter	Flag	RL Result	Units	Dilution	RL
DRO		<50.0	mg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		90.2	mg/Kg	1	100	90	49.5 - 185

Sample: 169970 - NE

Laboratory:	Lubbock				
Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5035
QC Batch:	51305	Date Analyzed:	2008-08-08	Analyzed By:	ER
Prep Batch:	44000	Sample Preparation:	2008-08-08	Prepared By:	ER

Parameter	Flag	RL Result	Units	Dilution	RL
GRO		<1.00	mg/Kg	1	1.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1.21	mg/Kg	1	1.00	121	55.3 - 161.9
4-Bromofluorobenzene (4-BFB)		1.24	mg/Kg	1	1.00	124	45.6 - 214.7

Sample: 169971 - SW

Laboratory:	Lubbock				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5035
QC Batch:	51304	Date Analyzed:	2008-08-08	Analyzed By:	ER
Prep Batch:	44000	Sample Preparation:	2008-08-08	Prepared By:	ER

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.0100	mg/Kg	1	0.0100
Toluene		<0.0100	mg/Kg	1	0.0100
Ethylbenzene		<0.0100	mg/Kg	1	0 0100
Xylene		<0.0100	mg/Kg	1	0.0100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1.30	mg/Kg	1	1.00	130	59 - 136.1
4-Bromofluorobenzene (4-BFB)		1.28	mg/Kg	1	1.00	128	54.4 - 176.2

Sample: 169971 - SW

Laboratory:	Lubbock				
Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	51357	Date Analyzed:	2008-08-12	Analyzed By:	RG
Prep Batch:	44042	Sample Preparation:	2008-08-11	Prepared By:	RG

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		**1350**	mg/Kg	100	3.25

Sample: 169971 - SW

Laboratory:	Lubbock				
Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	51280	Date Analyzed:	2008-08-10	Analyzed By:	MN
Prep Batch:	43984	Sample Preparation.	2008-08-08	Prepared By:	MN

Parameter	Flag	RL Result	Units	Dilution	RL
DRO		<50.0	mg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		87.4	mg/Kg	1	100	87	49.5 - 185

Sample: 169971 - SW

Laboratory:	Lubbock				
Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5035
QC Batch:	51305	Date Analyzed:	2008-08-08	Analyzed By:	ER
Prep Batch:	44000	Sample Preparation:	2008-08-08	Prepared By:	ER

Parameter	Flag	RL Result	Units	Dilution	RL
GRO		<1.00	mg/Kg	1	1.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1.36	mg/Kg	1	1.00	136	55.3 - 161.9
4-Bromofluorobenzene (4-BFB)		1.39	mg/Kg	1	1.00	139	45.6 - 214.7

Method Blank (1) QC Batch: 51280

QC Batch: 51280
Prep Batch: 43984

Date Analyzed: 2008-08-10
QC Preparation: 2008-08-08

Analyzed By: MN
Prepared By: MN

Parameter	Flag	MDL Result	Units	RL
DRO		<6.77	mg/Kg	50

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		90.5	mg/Kg	1	100	90	49.5 - 185

Method Blank (1) QC Batch: 51304

QC Batch: 51304
Prep Batch: 44000

Date Analyzed: 2008-08-08
QC Preparation: 2008-08-08

Analyzed By: ER
Prepared By: ER

Parameter	Flag	MDL Result	Units	RL
Benzene		<0.00347	mg/Kg	0.01
Toluene		<0.00525	mg/Kg	0.01
Ethylbenzene		<0.00607	mg/Kg	0.01
Xylene		<0.00724	mg/Kg	0.01

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.970	mg/Kg	1	1.00	97	69.3 - 110.2
4-Bromofluorobenzene (4-BFB)		0.748	mg/Kg	1	1.00	75	24.4 - 114.6

Method Blank (1) QC Batch: 51305

QC Batch: 51305
Prep Batch: 44000

Date Analyzed: 2008-08-08
QC Preparation: 2008-08-08

Analyzed By: ER
Prepared By: ER

Parameter	Flag	MDL Result	Units	RL
GRO		<0.144	mg/Kg	1

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.993	mg/Kg	1	1.00	99	83.3 - 108.5
4-Bromofluorobenzene (4-BFB)		0.806	mg/Kg	1	1.00	81	34.5 - 105.8

Method Blank (1) QC Batch: 51357

QC Batch: 51357 Date Analyzed: 2008-08-12 Analyzed By: RG
Prep Batch: 44042 QC Preparation: 2008-08-11 Prepared By: RG

Parameter	Flag	MDL Result	Units	RL
Chloride		<1.80	mg/Kg	3.25

Laboratory Control Spike (LCS-1)

QC Batch: 51280 Date Analyzed: 2008-08-10 Analyzed By: MN
Prep Batch: 43984 QC Preparation: 2008-08-08 Prepared By: MN

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
DRO	284	mg/Kg	1	250	<6.77	114	73.9 - 138

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
DRO	277	mg/Kg	1	250	<6.77	111	73.9 - 138	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
n-Triacontane	94.8	88.1	mg/Kg	1	100	95	88	49.5 - 185

Laboratory Control Spike (LCS-1)

QC Batch: 51304 Date Analyzed: 2008-08-08 Analyzed By: ER
Prep Batch: 44000 QC Preparation: 2008-08-08 Prepared By: ER

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene	0.908	mg/Kg	1	1.00	<0.00347	91	80.5 - 115.5
Toluene	0.918	mg/Kg	1	1.00	<0.00525	92	80 - 114.7

continued ...

control spikes continued ...

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Ethylbenzene	0.926	mg/Kg	1	1.00	<0.00607	93	77.1 - 114.2
Xylene	2.79	mg/Kg	1	3.00	<0.00724	93	77 6 - 114.5

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Benzene	0.983	mg/Kg	1	1.00	<0.00347	98	80.5 - 115.5	8	20
Toluene	0.991	mg/Kg	1	1.00	<0.00525	99	80 - 114.7	8	20
Ethylbenzene	1.01	mg/Kg	1	1.00	<0.00607	101	77.1 - 114.2	9	20
Xylene	3.03	mg/Kg	1	3.00	<0.00724	101	77.6 - 114.5	8	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	0.913	0.946	mg/Kg	1	1.00	91	95	74.2 - 114.7
4-Bromofluorobenzene (4-BFB)	0.829	0.924	mg/Kg	1	1.00	83	92	69.7 - 118.7

Laboratory Control Spike (LCS-1)

QC Batch: 51305 Date Analyzed: 2008-08-08 Analyzed By: ER
Prep Batch: 44000 QC Preparation: 2008-08-08 Prepared By: ER

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec	Rec. Limit
GRO	8.96	mg/Kg	1	10.0	<0.144	90	73.1 - 114.7

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
GRO	9.12	mg/Kg	1	10.0	<0.144	91	73.1 - 114.7	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	0.944	0.924	mg/Kg	1	1.00	94	92	77.4 - 111.4
4-Bromofluorobenzene (4-BFB)	0.896	0.939	mg/Kg	1	1.00	90	94	70.3 - 116.1

Laboratory Control Spike (LCS-1)

QC Batch: 51357 Date Analyzed: 2008-08-12 Analyzed By. RG
Prep Batch: 44042 QC Preparation: 2008-08-11 Prepared By: RG

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	101	mg/Kg	1	100	<1.80	101	96.5 - 104.4

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec Limit	RPD	RPD Limit
Chloride	101	mg/Kg	1	100	<1.80	101	96.5 - 104.4	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 169968

QC Batch: 51280
Prep Batch: 43984

Date Analyzed: 2008-08-10
QC Preparation: 2008-08-08

Analyzed By: MN
Prepared By: MN

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
DRO	297	mg/Kg	1	250	<6.77	119	50.7 - 134

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
DRO	270	mg/Kg	1	250	<6.77	108	50.7 - 134	10	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	MS Result	MSD Result	Units	Dil.	Spike Amount	MS Rec.	MSD Rec.	Rec. Limit
n-Triacontane	85.9	85.5	mg/Kg	1	100	86	86	49.5 - 185

Matrix Spike (MS-1) Spiked Sample: 170061

QC Batch: 51304
Prep Batch: 44000

Date Analyzed: 2008-08-08
QC Preparation: 2008-08-08

Analyzed By: ER
Prepared By: ER

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene	1.14	mg/Kg	1	1.00	<0 00347	114	42.9 - 130.7
Toluene	1.19	mg/Kg	1	1.00	<0.00525	119	46.9 - 135.4
Ethylbenzene	1.29	mg/Kg	1	1.00	<0.00607	129	48.3 - 149.3
Xylene	3.91	mg/Kg	1	3.00	<0.00724	130	48.8 - 150 9

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

continued ...

matrix spikes continued ...

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Benzene [1]	1.31	mg/Kg	1	1.00	<0.00347	131	42.9 - 130.7	14	20
Toluene [2]	1.40	mg/Kg	1	1.00	<0.00525	140	46.9 - 135.4	16	20
Ethylbenzene	1.49	mg/Kg	1	1.00	<0.00607	149	48.3 - 149.3	14	20
Xylene	4.50	mg/Kg	1	3.00	<0.00724	150	48.8 - 150.9	14	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	MS Result	MSD Result	Units	Dil.	Spike Amount	MS Rec.	MSD Rec.	Rec. Limit
Trifluorotoluene (TFT) [3] [4]	1.34	1.41	mg/Kg	1	1	134	141	63.2 - 128.3
4-Bromofluorobenzene (4-BFB)	1.35	1.41	mg/Kg	1	1	135	141	61.5 - 161.2

Matrix Spike (MS-1) Spiked Sample: 169967

QC Batch: 51305
Prep Batch: 44000

Date Analyzed: 2008-08-08
QC Preparation: 2008-08-08

Analyzed By: ER
Prepared By: ER

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
GRO	10.8	mg/Kg	1	10.0	<0.144	108	48.9 - 155.8

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
GRO	11.4	mg/Kg	1	10.0	<0.144	114	48.9 - 155.8	5	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	MS Result	MSD Result	Units	Dil.	Spike Amount	MS Rec.	MSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	1.00	1.07	mg/Kg	1	1	100	107	41.8 - 145.4
4-Bromofluorobenzene (4-BFB)	1.32	1.36	mg/Kg	1	1	132	136	50.3 - 197.8

Matrix Spike (MS-1) Spiked Sample: 170076

QC Batch: 51357
Prep Batch: 44042

Date Analyzed: 2008-08-12
QC Preparation: 2008-08-11

Analyzed By: RG
Prepared By: RG

[1] Matrix spike recovery out of control limits due to peak interference. Use LCS/LCSD to demonstrate analysis is under control.
[2] Matrix spike recovery out of control limits due to peak interference. Use LCS/LCSD to demonstrate analysis is under control.
[3] Matrix spike recovery out of control limits due to peak interference. Use LCS/LCSD to demonstrate analysis is under control.
[4] Matrix spike recovery out of control limits due to peak interference. Use LCS/LCSD to demonstrate analysis is under control.

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	13500	mg/Kg	100	5000	8987.46	90	74.7 - 123.2

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride	13600	mg/Kg	100	5000	8987.46	92	74.7 - 123.2	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Standard (ICV-1)

QC Batch: 51280 Date Analyzed: 2008-08-10 Analyzed By: MN

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
DRO		mg/Kg	250	274	110	85 - 115	2008-08-10

Standard (CCV-1)

QC Batch: 51280 Date Analyzed: 2008-08-10 Analyzed By: MN

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
DRO		mg/Kg	250	278	111	85 - 115	2008-08-10

Standard (ICV-1)

QC Batch: 51304 Date Analyzed: 2008-08-08 Analyzed By: ER

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/Kg	0.100	0.102	102	85 - 115	2008-08-08
Toluene		mg/Kg	0.100	0.103	103	85 - 115	2008-08-08
Ethylbenzene		mg/Kg	0.100	0.104	104	85 - 115	2008-08-08
Xylene		mg/Kg	0.300	0.312	104	85 - 115	2008-08-08

Standard (CCV-1)

QC Batch: 51304 Date Analyzed: 2008-08-08 Analyzed By: ER

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/Kg	0.100	0.0944	94	85 - 115	2008-08-08
Toluene		mg/Kg	0.100	0.0974	97	85 - 115	2008-08-08
Ethylbenzene		mg/Kg	0.100	0.0958	96	85 - 115	2008-08-08
Xylene		mg/Kg	0.300	0.289	96	85 - 115	2008-08-08

Standard (ICV-1)

QC Batch: 51305 Date Analyzed: 2008-08-08 Analyzed By: ER

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
GRO		mg/Kg	1.00	0.906	91	85 - 115	2008-08-08

Standard (CCV-1)

QC Batch: 51305 Date Analyzed: 2008-08-08 Analyzed By: ER

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
GRO		mg/Kg	1.00	0.885	88	85 - 115	2008-08-08

Standard (ICV-1)

QC Batch: 51357 Date Analyzed: 2008-08-12 Analyzed By: RG

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/Kg	100	100	100	85 - 115	2008-08-12

Standard (CCV-1)

QC Batch: 51357 Date Analyzed: 2008-08-12 Analyzed By: RG

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/Kg	100	99.5	100	85 - 115	2008-08-12

LAB ORDER ID # 8080806 Page

TraceAnalysis, Inc.

email: lab@traceanalysis.com

6701 Aberdeen Avenue, Suite 9, Lubbock, Texas 79424, Tel (806) 794-1296, Fax (806) 794-1298, 1 (800) 378-1296
5002 Basin Street, Suite A1, Midland, Texas 79703, Tel (432) 689-6301, Fax (432) 689-6313
200 East Sunset Rd., Suite E, El Paso, Texas 79922, Tel (915) 585-3443, Fax (915) 585-4944, 1 (888) 588-3443
8808 Camp Bowie Blvd West, Suite 180, Ft. Worth, Texas 76116, Tel (817) 201-5260, Fax (817) 560-4336

Company Name: P2 Construction
Phone #: 432-381-4800
Address: (Street, City, Zip) 1656 N Flamingo Ave Unit A Odessa TX 79763
Fax #: 432-381-4801
Contact Person: Ray Garza
E-mail: ray@_p2inc@obcglobal.net
Invoice to: (If different from above) Melrose
Project #: Well #222
Project Name: JETSY
Project Location (including state): Lea County NM
Sampler Signature:

ANALYSIS REQUEST (Circle or Specify Method No.)

LAB # (LAB USE ONLY)	FIELD CODE	# CONTAINERS	Volume / Amount	MATRIX: WATER	SOIL	AIR	SLUDGE	PRESERVATIVE METHOD: HCl	HNO_3	H_2SO_4	NaOH	ICE	NONE	SAMPLING: DATE	TIME	MTBE 8021B / 602 / 8260B / 624	BTEX 8021B / 602 / 8260B / 624	TPH 418.1 / TX1005 / TX1005 Ext(C35)	TPH 8015 GRO / DRO / TVHC	PAH 8270C / 625	Total Metals Ag As Ba Cd Cr Pb Se Hg 6010B/200.7	TCLP Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Volatiles	TCLP Semi Volatiles	TCLP Pesticides	RCI	GC/MS Vol. 8260B / 624	GC/MS Semi. Vol. 8270C / 625	PCB's 8082 / 608	Pesticides 8081A / 608	BOD, TSS, pH	Moisture Content	Chlorides				Turn Around Time if different from standard	Hold
16967	B6	4			X							X		8-6-08	8:00A		X		X														X				
968	FE														8:15A		X		X														X				
969	FW														8:20A		X		X														X				
970	NE														8:25A		X		X														X				
971	SW														8:30A		X		X														X				

Relinquished by:	Company:	Date:	Time:	Received by:	Company:	Date:	Time:	Temp°C:
	P2 Const.	8-6-08				8-7	9:45	15C
Relinquished by:	Company:	Date:	Time:	Received by:	Company:	Date:	Time:	Temp°C:
		8-7-08	3:00					
Relinquished by:	Company:	Date:	Time:	Received by:	Company:	Date:	Time:	Temp°C:
						08020815	00	3.8

LAB USE ONLY
Intact Y N
Headspace Y N NA
Log-in-Review

REMARKS:

- ☐ Dry Weight Basis Required
- ☐ TRRP Report Required
- ☐ Check If Special Reporting Limits Are Needed

Submittal of samples constitutes agreement to Terms and Conditions listed on reverse side of C. O. C.

Carrier # Corlyn

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LAB ORDER # 808080 Page 1 of 1

TraceAnalysis, Inc.

email: lab@traceanalysis.com

6701 Aberdeen Avenue, Suite 9, Lubbock, Texas 79424, Tel (806) 794-1296, Fax (806) 794-1298, 1 (800) 378-1296
5002 Basin Street, Suite A1, Midland, Texas 79703, Tel (432) 689-6301, Fax (432) 689-6313
200 East Sunset Rd., Suite E, El Paso, Texas 79922, Tel (915) 585-3443, Fax (915) 585-4944, 1 (888) 588-3443
8808 Camp Bowie Blvd West, Suite 180, Ft. Worth, Texas 76116, Tel (817) 201-5260, Fax (817) 560-4336

Company Name: P2 Construction
Phone #: 432-381-4800
Address: (Street, City, Zip) 1656 N Flamingo Ave Unit A Odessa TX 79763
Fax #: 432-381-4801
Contact Person: Ray Garza
E-mail: ray@p2inc@obcglobal.net
Invoice to: (If different from above) Melrose
Project #: Well # 222
Project Name: JEYSU
Project Location (including state): Lea County NM
Sampler Signature:

ANALYSIS REQUEST (Circle or Specify Method No.)

LAB # (LAB USE ONLY)	FIELD CODE	# CONTAINERS	Volume / Amount	MATRIX: WATER	SOIL	AIR	SLUDGE	PRESERVATIVE METHOD: HCl	HNO_3	H_2SO_4	NaOH	ICE	NONE	SAMPLING: DATE	TIME	MTBE 8021B / 602 / 8260B / 624	BTEX 8021B / 602 / 8260B / 624	TPH 418.1 / TX1005 / TX1005 Ext(C35)	TPH 8015 GRO / DRO / TVHC	PAH 8270C / 625	Total Metals Ag As Ba Cd Cr Pb Se Hg 6010B/200.7	TCLP Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Volatiles	TCLP Semi Volatiles	TCLP Pesticides	RCI	GC/MS Vol 8260B / 624	GC/MS Semi. Vol. 8270C / 625	PCB's 8082 / 608	Pesticides 8081A / 608	BOD, TSS, pH	Moisture Content	Chlorides			Turn Around Time if different from standard	Hold
16967	BG	4oz			X							X		8-6-08	8:00A		X		X														X				
968	FE														8:15A		X		X														X				
969	FW														8:20A		X		X														X				
970	NE														8:25A		X		X														X				
971	SW														8:30A		X		X														X				

Relinquished by:	Company:	Date:	Time:	Received by:	Company:	Date:	Time:	Temp°c:
	P2 Const.	8-6-08				8-7	9:45	ICE
		8-7-08	3:01					
						08072081500		3.8

LAB USE ONLY: Intact Y / N; Headspace Y / N / NA; Log-in-Review

REMARKS:

- ☐ Dry Weight Basis Required
- ☐ TRRP Report Required
- ☐ Check If Special Reporting Limits Are Needed

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Carrier # Carlyle

8/13 EP

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