

REC'D 4/6/09

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
July 21, 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
☐ Modification to an existing permit
☐ Closure plan only submitted for an existing permitted or non-permitted 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.

1.
Operator: BOPCO, L.P. OGRID #: 001801
Address: P.O. Box 2760 Midland, TX 79702
Facility or well name: Poker Lake Unit #162
API Number: 30-015-35522 OCD Permit Number: 208256
U/L or Qtr/Qtr C Section 6 Township 24S Range 30E County: EDDY
Center of Proposed Design: Latitude N 32.252028 Longitude W 103.923389 NAD: ☐ 1927 ☒ 1983
Surface Owner: ☒ Federal ☐ State ☐ Private ☐ Tribal Trust or Indian Allotment

2.
☒ **Pit:** Subsection F or G of 19.15.17.11 NMAC
Temporary: ☒ Drilling ☐ Workover
☐ Permanent ☐ Emergency ☐ Cavitation ☐ P&A
☒ Lined ☐ Unlined Liner type: Thickness mil ☒ LLDPE ☐ HDPE ☐ PVC ☐ Other
☐ String-Reinforced
Liner Seams: ☒ Welded ☐ Factory ☐ Other Volume: bbl Dimensions: L x W x D

3.
☐ **Closed-loop System:** Subsection H of 19.15.17.11 NMAC
Type of Operation ☐ P&A ☐ Drilling a new well ☐ Workover or Drilling (Applies to activities which require prior approval of a permit or notice of intent)
☐ Drying Pad ☐ Above Ground Steel Tanks ☐ Haul-off Bins ☐ Other
☐ Lined ☐ Unlined Liner type Thickness mil ☐ LLDPE ☐ HDPE ☐ PVC ☐ Other
Liner Seams: ☐ Welded ☐ Factory ☐ Other

4.
☐ **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

5.
☐ **Alternative Method:**
Submittal of an exception request is required. Exceptions must be submitted to the Santa Fe Environmental Bureau office for consideration of approval.

Final Closure 10/16/08

6.
Fencing: Subsection D of 19.15.17.11 NMAC (*Applies to permanent pits, temporary pits, and below-grade tanks*)

- ☐ Chain link, six feet in height, two strands of barbed wire at top (*Required if located within 1000 feet of a permanent residence, school, hospital, institution or church*)
- ☐ Four foot height, four strands of barbed wire evenly spaced between one and four feet
- ☐ Alternate. Please specify

7.
Netting: Subsection E of 19.15.17.11 NMAC (*Applies to permanent pits and permanent open top tanks*)

- ☐ Screen ☐ Netting ☐ Other
- ☐ Monthly inspections (If netting or screening is not physically feasible)

8.
Signs: Subsection C of 19.15.17.11 NMAC

- ☒ 12"x 24", 2" lettering, providing Operator's name, site location, and emergency telephone numbers
- ☒ Signed in compliance with 19.15.3.103 NMAC

9.
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.

10.
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 | <input type="checkbox"/> Yes <input type="checkbox"/> 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 | <input type="checkbox"/> Yes <input type="checkbox"/> No |
| Within 300 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application.
(<i>Applies to temporary, emergency, or cavitation pits and below-grade tanks</i>)
- Visual inspection (certification) of the proposed site; Aerial photo; Satellite image | <input type="checkbox"/> Yes <input type="checkbox"/> No
<input type="checkbox"/> NA |
| Within 1000 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application.
(<i>Applies to permanent pits</i>)
- Visual inspection (certification) of the proposed site; Aerial photo; Satellite image | <input type="checkbox"/> Yes <input type="checkbox"/> No
<input type="checkbox"/> 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 | <input type="checkbox"/> Yes <input type="checkbox"/> 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 | <input type="checkbox"/> Yes <input type="checkbox"/> No |
| Within 500 feet of a wetland.
- US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the proposed site | <input type="checkbox"/> Yes <input type="checkbox"/> No |
| Within the area overlying a subsurface mine.
- Written confirmation or verification or map from the NM EMNRD-Mining and Mineral Division | <input type="checkbox"/> Yes <input type="checkbox"/> No |
| Within an unstable area.
- Engineering measures incorporated into the design; NM Bureau of Geology & Mineral Resources; USGS; NM Geological Society; Topographic map | <input type="checkbox"/> Yes <input type="checkbox"/> No |
| Within a 100-year floodplain.
- FEMA map | <input type="checkbox"/> Yes <input type="checkbox"/> No |

11.

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 (Please complete Boxes 14 through 18, if applicable) - 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:

12.

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 (only for on-site closure) - based upon the requirements of Paragraph (3) of Subsection B of 19.15.17.9
- ☐ Siting Criteria Compliance Demonstrations (only 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 (Please complete Boxes 14 through 18, if applicable) - 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:☐ Previously Approved Operating and Maintenance Plan API Number:

(Applies only to closed-loop system that

use above ground steel tanks or haul-off bins and propose to implement waste removal for closure)

13.

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 H₂S, 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

14.

Proposed Closure: 19.15.17.13 NMAC**Instructions:** Please complete the applicable boxes, Boxes 14 through 18, in regards to the proposed closure plan.Type: ☒ Drilling ☐ Workover ☐ Emergency ☐ Cavitation ☐ P&A ☐ 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)

15.

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.

- ☒ 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
- ☒ Disposal Facility Name and Permit Number (for liquids, drilling fluids and drill cuttings)
- ☒ Soil Backfill and Cover Design Specifications - 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

16.

Waste Removal Closure For Closed-loop Systems That Utilize Above Ground Steel Tanks or Haul-off Bins Only: (19.15.17.13.D NMAC)*Instructions: Please identify the facility or facilities for the disposal of liquids, drilling fluids and drill cuttings. Use attachment if more than two facilities are required.*

Disposal Facility Name:

Disposal Facility Permit Number:

Disposal Facility Name:

Disposal Facility Permit Number:

Will any of the proposed closed-loop system operations and associated activities occur on or in areas that *will not* be used for future service and operations?☐ Yes (If yes, please provide the information below) ☐ No*Required for impacted areas which will not be used for future service and operations.*

- ☐ Soil Backfill and Cover Design Specifications - 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

17.

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.*

Ground 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

18.

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/Design Plan of Burial Trench (if applicable) based upon the appropriate requirements of 19.15.17.11 NMAC
- ☐ Construction/Design Plan of Temporary Pit (for in-place burial of a drying pad) - 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

19.
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): _____ Title: _____

Signature: _____ Date: _____

e-mail address: _____ Telephone: _____

20.
OCD Approval: ☐ Permit Application (including closure plan) ☐ Closure Plan (only) ☐ OCD Conditions (see attachment)

OCD Representative Signature: _____ **Approval Date:** _____

Title: _____ **OCD Permit Number:** _____

21.
Closure Report (required within 60 days of closure completion): Subsection K of 19.15.17.13 NMAC

Instructions: Operators are required to obtain an approved closure plan prior to implementing any closure activities and submitting the closure report. The closure report is required to be submitted to the division within 60 days of the completion of the closure activities. Please do not complete this section of the form until an approved closure plan has been obtained and the closure activities have been completed.

☒ **Closure Completion Date:** 10/16/08

22.
Closure Method:

☒ Waste Excavation and Removal ☐ On-Site Closure Method ☐ Alternative Closure Method ☐ Waste Removal (Closed-loop systems only)
☐ If different from approved plan, please explain.

23.
Closure Report Regarding Waste Removal Closure For Closed-loop Systems That Utilize Above Ground Steel Tanks or Haul-off Bins Only:

Instructions: Please identify the facility or facilities for where the liquids, drilling fluids and drill cuttings were disposed. Use attachment if more than two facilities were utilized.

Disposal Facility Name: _____

Disposal Facility Permit Number: _____

Disposal Facility Name: _____

Disposal Facility Permit Number: _____

Were the closed-loop system operations and associated activities performed on or in areas that *will not* be used for future service and operations?

☐ Yes (If yes, please demonstrate compliance to the items below) ☐ No

Required for impacted areas which will not be used for future service and operations:

- ☐ Site Reclamation (Photo Documentation)
☐ Soil Backfilling and Cover Installation
☐ Re-vegetation Application Rates and Seeding Technique

24.
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.*

- ☒ Proof of Closure Notice (surface owner and division)
☐ Proof of Deed Notice (required for on-site closure)
☒ Plot Plan (for on-site closures and temporary pits)
☒ Confirmation Sampling Analytical Results (if applicable)
☐ Waste Material Sampling Analytical Results (required for on-site closure)
☒ Disposal Facility Name and Permit Number
☒ Soil Backfilling and Cover Installation
☒ Re-vegetation Application Rates and Seeding Technique
☒ Site Reclamation (Photo Documentation)

On-site Closure Location: Latitude _____ Longitude _____ NAD: ☐ 1927 ☐ 1983

25.
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): Annette Childers Title: Administrative Assitant

Signature: Annette Childers Date: 2-16-09

e-mail address: machilders@basspet.com Telephone: (432) 683-2277

Accepted for record
NMOCD

MAY 29 2009

APR - 6 2009

Waste Excavation and Removal Closure Plan



BEPCO, L.P.
dba Bass Enterprises Production Co.
Poker Lake Unit #162
Section 6, T-24-S, R-30-E
Eddy County, New Mexico



SPORT ENVIRONMENTAL SERVICES, PLLC

502 N. Big Spring Street, Midland, Texas 79701

Business: 432.683.1100 Fax: 888.500.0622

April 1, 2009

Mr. Mike Bratcher
State of New Mexico
Oil Conservation Division
1301 W. Grand
Artesia, NM 88210

Re: **Waste Excavation and Removal Closure Report**
BOPCO, L.P., Poker Lake Unit #162
Section 6, T-24-S, R-30-E
Eddy County, New Mexico

Dear Mr. Bratcher,

On behalf of BOPCO, L.P., Sport Environmental Services is providing the enclosed "Waste Excavation and Removal Closure" report and C-144 closure form for BOPCO, L.P.'s Poker Lake Unit #162 pit location. The company has undergone a name change since the time of pit closure, explaining the previous use of BEPCO, L.P. throughout previously filed and attached documents.

In an effort to fully delineate the pit location both horizontally and vertically, extensive soil investigation was conducted. Attached please find a site plan denoting sample locations along with the associated analytical results. Each soil sample was analyzed for **Total Petroleum Hydrocarbons** (C₆-C₁₂ Gasoline Range Hydrocarbons or GRO; C₁₂-C₁₈ Diesel Range Hydrocarbons or DRO; C₂₈-C₃₅ Oil Range Hydrocarbons; and Total TPH) using Methods 418.1 and 8015M, **Chlorides (Cl)** EPA Method 300/300.1, and **Total BTEX** (Benzene; Toluene; Ethylbenzene; m,p-Xylene; o-Xylene, Total Xylenes, and total BTEX) using the Method 8021B/5030. This pit was sampled per the requirements set forth in NMAC 19.15.17.13 B(1)(b).

In summary, the TPH and Combined DRO and GRO fraction levels within all soil samples analyzed were below the regulatory limit. According to the New Mexico Oil Conservation Division and the New Mexico Office of the State Engineer iWATERS, groundwater is greater than 100 feet below ground surface (100' bgs) resulting in a soil chloride limitation of 1000 mg/kg. Analytical results demonstrate chloride levels are below the regulatory limitation.

There were a total of three rounds of delineation and confirmation sampling events, conducted on August 14, August 20, and October 16, 2008. Analytical results for each soil sample and the date the sample was determined clean are provided below and also condensed for your convenience within the attached **Sample Data Summary**. As required, email transmissions demonstrating 48-hour notification of sampling events and equipment mobilization are available upon request.

Sample location	Sample ID	Chloride Level	"Clean" Date
North Pit Wall	NEW-002	ND	August 20, 2008
East Pit Wall	EEW-002	70.2 mg/kg	October 16, 2008
South Pit Wall	SEW-001	519 mg/kg	August 14, 2008
West Pit Wall	WEW-001	505 mg/kg	August 14, 2008
Pit Floor	NEF1-3-001	843 mg/kg	August 14, 2008
	SEF1-3-001	138 mg/kg	August 14, 2008

Big D Environmental performed excavation and removal activities associated with the pit waste material. All excavated waste was disposed of off-site at a NMOCD permitted and approved facility, Controlled Recovery Inc. (Permit #R-9166). Waste manifesting documentation is maintained by Big D Environmental. The area was subsequently backfilled with unimpacted caliche and a two foot layer of topsoil.

During the reclamation phase of the pit closure, the site was reclaimed to a natural condition that blends with the surrounding topography; involving restoring the original landform or creating a landform that approximates and blends in with the surrounding landform. Disturbed areas will be re-vegetated to native species, controlling erosion, controlling invasive non-native plants and noxious weeds. A soil cover design consisting of the background thickness of topsoil or one foot of suitable material to establish vegetation at the site, whichever is greater has been provided. The soil cover was constructed to mimic the existing grade and prevent ponding of water and erosion of the cover material.

James Amos of the BLM has requested that reseeding take place in late June 2009, during the monsoonal season, for optimal vegetative growth. BLM Seed Mixture 2, for Sandy Sites, will be applied using the broadcast method. When broadcasting the seed, the pounds per acre will be doubled. As required by NMAC 19.15.17.13(I)(2), successful reclamation is considered to be 70% re-growth of the native perennial vegetative cover (un-impacted by overgrazing, fire or other intrusion damaging to native vegetation) 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. During the two growing seasons, that prove viability, there will be no artificial irrigation of the vegetation. Repeat seeding or planting will occur, until required vegetation coverage is successfully achieved. Evaluation of growth will not be made before completion of at least one full growing season after seeding. Photographs of existing vegetation were taken prior to constructing the drilling pit location, as a tool to confirm re-growth of 70% native vegetative coverage.

Species to be planted in pounds of pure live seed* per acre:

<u>Species</u>	<u>lb/acre</u>
Sand dropseed (Sporobolus cryptandrus)	1.0
Sand love grass (Eragrostis trichodes)	1.0
Plains bristlegrass (Setaria macrostachya)	2.0

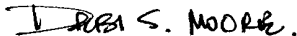
*Pounds of pure live seed:

Pounds of seed **X** percent purity **X** percent germination = pounds pure life seed

Enclosed please find documentation demonstrating that the checklist requirements set forth with the Waste and Removal Closure Plan Form C-144, Box 15 have been met. The closure report consists of protocols and procedures, delineation and confirmation sampling plans, disposal facility name and permit number, soil backfill and cover design specifications, re-vegetation plan and site reclamation plan.

If you have any questions or comments with regard to this matter, please contact me at my office (432.683.1100) or on my cell (432.553.8555). I would be more than happy to review this closure report with you.

Sincerely,

Debi S. Moore.

Debi Sport Moore, M.E., R.E.P.A.
President

Enclosures: Waste Excavation and Removal Closure Report

cc. Mr. William R. Dannels
C.K. "Buddy" Jenkins
BOPCO, L.P.
dba Bass Enterprises Production Co.
P.O. Box 2760
Midland, TX 79702

BEPCO, L.P.
dba Bass Enterprises Production Co.
Poker Lake Unit #162
Section 6: T-24-S. R-30-E
Eddy County, New Mexico

**Form C-144 Pit Closure
and
Form 3160-5 BLM Sundry Notice**
Poker Lake Unit #162



The Oilfield Waste Disposal Experts.SM



Disposal Facility Name

Controlled Recovery, Inc

Permit Number

R-9166

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No 1004-0137
Expires: March 31, 2007

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE- Other instructions on reverse side.

1. Type of Well
☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator
BEPCO, L.P.

3a. Address
P.O. BOX 2760 Midland, TX 79702

3b. Phone No. (include area code)
432-683-2277

4. Location of Well (Footage, Sec, T, R, M., or Survey Description)
UL C, SEC 6 T24S R30E, LAT N32.252028 DEG, LONG W103.923389

5. Lease Serial No.
NMLC 03075

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.

8. Well Name and No.
Poker Lake Unit #162

9. API Well No.
30-015-35522

10. Field and Pool, or Exploratory Area
Nash Draw (DEL/BS/Avalon)

11. County or Parish, State
EDDY COUNTY, NM

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other Pit Closure
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleate horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleation in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

Pit was closed to meet regulatory requirements written under 19.15.17.13 NMAC temporary pit Waste Excavation and Removal on 10/16/08. See attached NMOCD Form C-144.

14. I hereby certify that the foregoing is true and correct
Name (Printed/Typed)

Annette Childers

Title **Administrative Assistant.**

Signature

Annette Childers

Date

2-16-09

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Title

Date

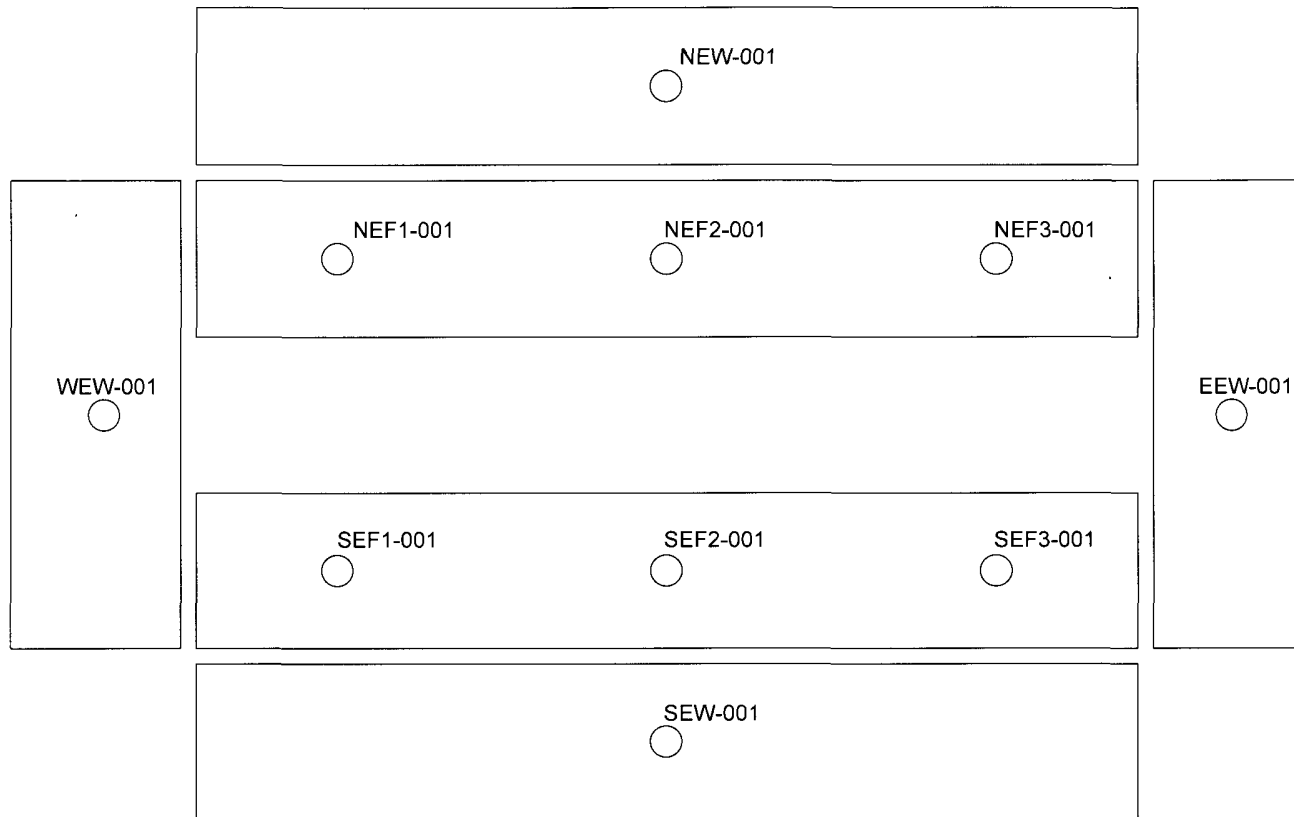
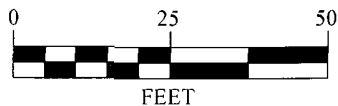
Office

Title 18 USC Section 1001 and Title 43 USC Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on page 2)

BEPCO, L.P.
dba Bass Enterprises Production Co.
Poker Lake Unit #162
Section 6, T-24-S, R-30-E
Eddy County, New Mexico

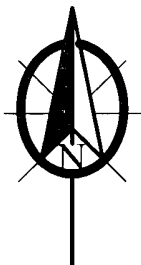
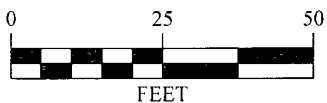
**SITE PLAN DENOTING
PIT CLOSURE SAMPLING LOCATIONS**
Poker Lake Unit #162



BEPCO, L.P.
Poker Lake Unit #162
Section 6, Township 24S, Range 30E
Eddy County, New Mexico

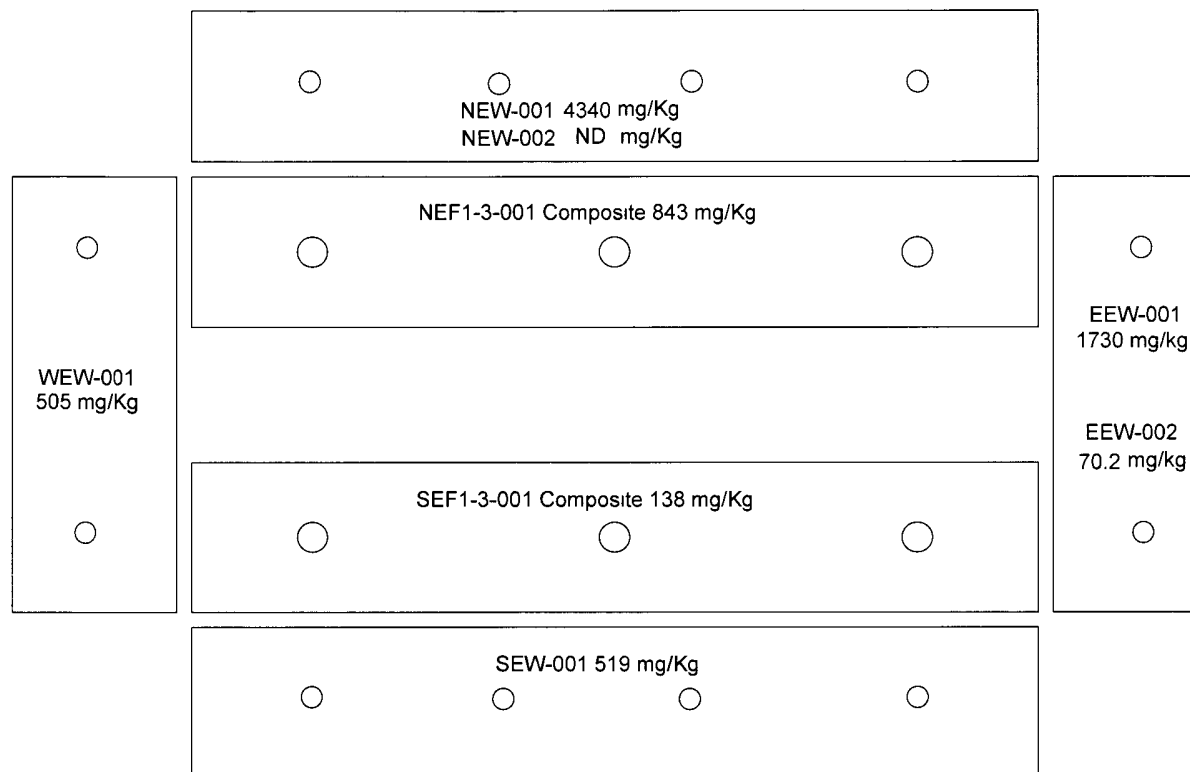
Delineation Sampling Plan

August 13, 2008



Note All wall samples were composite samples. Initial round of sampling methods SW8015 Mod and EPA 418.1 for TPH, EPA 300/300.1 for chlorides and 8021B/5030 for BTEX were run during the analysis. Chlorides were the only ones that came back above the required limits. All analysis shown were mg/Kg Chlorides.

Round One Samples - 08-14-08
Round Two Samples - 08-20-08
10-16-08



BEPCO, L.P.
Poker Lake Unit #162
Section 6, Township 24S, Range 30E
Eddy County, New Mexico

Confirmation
Sampling
Plan

BEPCO, L.P.
dba Bass Enterprises Production Co.
Poker Lake Unit #162
Section 6, T-24-S, R-30-E
Eddy County, New Mexico

SAMPLE DATA SUMMARY

Poker Lake Unit #162



Sample Data Summary

p. 1 of 1

Project Name: **BEPCO, L.P. - Poker Lake Unit #162**
 Project Location: **Eddy County, New Mexico**

					Analytical Results													
					Methods: SW8015 Mod and EPA 418.1 (TPH), EPA 8021B (BTEX), EPA 300/300.1 (Cl)													
Sample ID	Lab ID	Matrix	Date Sampled	Date Received	Carbon Ranges C6-C12 (mg/kg dry)	Carbon Ranges C12-C28	Carbon Ranges C28-C35	Total Hydrocarbons, SW8015 Mod	Total Hydrocarbons, EPA 418.1	Benzene	Toluene	Ethylbenzene	Xylene (p/m)	Xylene (o)	Total Xylenes	Total BTEX	Chloride (Cl) (mg/kg wet)	% Moisture
SEF1-001		Soil	8/14/2008 8:30	8/14/2008 12:25														
SEF2-001		Soil	8/14/2008 8:40	8/14/2008 12:25														
SEF3-001		Soil	8/14/2008 8:50	8/14/2008 12:25														
SEF1-3-001 Composite	310098-004				ND	ND	ND	ND	ND	ND	ND	ND	0.0022	ND	0.0022	0.0022	138	7.51
NEF1-001		Soil	8/14/2008 9:00	8/14/2008 12:25														
NEF2-001		Soil	8/14/2008 9:10	8/14/2008 12:25														
NEF3-001		Soil	8/14/2008 9:20	8/14/2008 12:25														
NEF1-3-001 Composite	310098-008				ND	24.8	ND	24.8	ND	ND	ND	ND	ND	0.0012	0.0012	0.0012	843	11.1
NEW-001	310098-009	Soil	8/14/2008 9:30	8/14/2008 12:25	99.6	414	ND	513.6	ND	ND	0.0133	0.0266	0.0755	0.0330	0.1085	0.1484	4340	2.25
SEW-001	310098-010	Soil	8/14/2008 9:40	8/14/2008 12:25	ND	21.1	ND	21.1	ND	ND	ND	ND	ND	ND	ND	ND	519	2.96
WEW-001	310098-011	Soil	8/14/2008 9:50	8/14/2008 12:25	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	505	3.84
EEW-001	310098-012	Soil	8/14/2008 10:00	8/14/2008 12:25	42.6	225	ND	267.6	ND	0.0018	0.0354	0.0469	0.1354	0.0633	0.1987	0.2828	1730	21.2

[illegible]

[illegible]

BEPCO, L.P.
dba Bass Enterprises Production Co.
Poker Lake Unit #162
Section 6, T-24-S, R-30-E
Eddy County, New Mexico

ANALYTICAL RESULTS
ENVIRONMENTAL LAB OF TEXAS
AND XENCO LABORATORIES
Poker Lake Unit #162

Analytical Report 310098

for

Sport Environmental Services, PLLC

Project Manager: Debi Smith

BEPCO L.P.

Poker Lake Unit # 162

15-AUG-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



15-AUG-08

Project Manager: **Debi Smith**
Sport Environmental Services, PLLC
502 North Big Spring Street
Midland, TX 79701

Reference: XENCO Report No: **310098**
BEPCO L.P.
Project Address:

Debi Smith:

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 310098. 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. 310098 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 310098



Sport Environmental Services, PLLC, Midland, TX
BEPCO L.P.

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
SEF1-3-001 Composite	S	Aug-14-08 00:00		310098-004
NEF1-3-001 Composite	S	Aug-14-08 00:00		310098-008
NEW-001	S	Aug-14-08 09:30	12 ft	310098-009
SEW-001	S	Aug-14-08 09:40	12 ft	310098-010
WEW-001	S	Aug-14-08 09:50	12 ft	310098-011
EEW-001	S	Aug-14-08 10:00	12 ft	310098-012

Project Id: Poker Lake Unit # 162

Contact: Debi Smith

Project Location:

Date Received in Lab: Thu Aug-14-08 12:25 pm


Report Date: 15-AUG-08

Project Manager: Brent Barron, II

<i>Analysis Requested</i>	<i>Lab Id:</i>	310098-004	310098-008	310098-009	310098-010	310098-011	310098-012
	<i>Field Id:</i>	SEF1-3-001 Composite	NEF1-3-001 Composite	NEW-001	SEW-001	WEW-001	EEW-001
	<i>Depth:</i>			12 ft	12 ft	12 ft	12 ft
	<i>Matrix:</i>	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	<i>Sampled:</i>	Aug-14-08 00 00	Aug-14-08 00 00	Aug-14-08 09 30	Aug-14-08 09 40	Aug-14-08 09 50	Aug-14-08 10 00
Anions by EPA 300/300.1	<i>Extracted:</i>						
	<i>Analyzed:</i>	Aug-14-08 17 00	Aug-14-08 17 00	Aug-14-08 17 00	Aug-14-08 17 00	Aug-14-08 17 00	Aug-14-08 17 00
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
Chloride		138 5 41	843 11 2	4340 51 2	519 10 3	505 10 4	1730 31 7
BTEX by EPA 8021B	<i>Extracted:</i>	Aug-14-08 13 33	Aug-14-08 13 33	Aug-14-08 13 33	Aug-14-08 13 33	Aug-14-08 13 33	Aug-14-08 13 33
	<i>Analyzed:</i>	Aug-15-08 00 47	Aug-15-08 01 11	Aug-15-08 01 35	Aug-15-08 01 59	Aug-15-08 02 22	Aug-15-08 02 46
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
Benzene		ND 0 0011	ND 0 0011	ND 0 0010	ND 0 0010	ND 0 0010	0 0018 0 0013
Toluene		ND 0 0022	ND 0 0023	0 0133 0 0020	ND 0 0021	ND 0 0021	0 0354 0 0025
Ethylbenzene		ND 0 0011	ND 0 0011	0 0266 0 0010	ND 0 0010	ND 0 0010	0 0469 0 0013
m,p-Xylenes		0 0022 0 0022	ND 0 0023	0 0755 0 0020	ND 0 0021	ND 0 0021	0 1354 0 0025
o-Xylene		ND 0 0011	0 0012 0 0011	0 0330 0 0010	ND 0 0010	ND 0 0010	0 0633 0 0013
Total Xylenes		0 0022	0 0012	0 1085	ND	ND	0 1987
Total BTEX		0 0022	0 0012	0 1484	ND	ND	0 2828
Percent Moisture	<i>Extracted:</i>						
	<i>Analyzed:</i>	Aug-15-08 08 30	Aug-15-08 08 30	Aug-15-08 08 30	Aug-15-08 08 30	Aug-15-08 08 30	Aug-15-08 08 30
	<i>Units/RL:</i>	% RL	% RL	% RL	% RL	% RL	% RL
Percent Moisture		7.51	11 1	2 25	2.96	3 84	21 2
TPH By SW8015 Mod	<i>Extracted:</i>	Aug-15-08 10 09	Aug-15-08 10 09	Aug-15-08 10 09	Aug-15-08 10 09	Aug-15-08 10 09	Aug-15-08 10 09
	<i>Analyzed:</i>	Aug-15-08 14 10	Aug-15-08 14 36	Aug-15-08 15 02	Aug-15-08 15 28	Aug-15-08 15 54	Aug-15-08 16 21
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
C6-C12 Gasoline Range Hydrocarbons		ND 16 2	ND 16 9	99 6 15 3	ND 15 5	ND 15 6	42 6 19 0
C12-C28 Diesel Range Hydrocarbons		ND 16 2	24 8 16 9	414 15 3	21 1 15 5	ND 15 6	225 19 0
C28-C35 Oil Range Hydrocarbons		ND 16 2	ND 16 9	ND 15 3	ND 15 5	ND 15 6	ND 19 0
Total TPH		ND	24 8	513 6	21 1	ND	267 6

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.

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Brent Barron
Odessa Laboratory Director

Project Id: Forker Lake Unit # 162

Contact: Debi Smith

Date Received in Lab: Thu Aug-14-08 12:25 pm

Report Date: 15-AUG-08


Project Manager: Brent Barron, II

Project Location:

Analysis Requested	Lab Id:	310098-004	310098-008	310098-009	310098-010	310098-011	310098-012
	Field Id:	SEF1-3-001 Composite	NEF1-3-001 Composite	NEW-001	SEW-001	WEW-001	EEW-001
	Depth:			12 ft	12 ft	12 ft	12 ft
	Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	Sampled:	Aug-14-08 00:00	Aug-14-08 00:00	Aug-14-08 09:30	Aug-14-08 09:40	Aug-14-08 09:50	Aug-14-08 10:00
TPH by EPA 418.1	Extracted:						
	Analyzed:	Aug-14-08 15:23	Aug-14-08 15:23	Aug-14-08 15:23	Aug-14-08 15:23	Aug-14-08 15:23	Aug-14-08 15:23
	Units/RL:	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
TPH, Total Petroleum Hydrocarbons		ND 10.00	ND 10.00	ND 10.00	ND 10.00	ND 10.00	ND 10.00

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.
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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

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(210) 509-3334	(210) 509-3335
(813) 620-2000	(813) 620-2033
(305) 823-8500	(305) 823-8555
(770) 449-8800	(770) 449-5477

Project Name: BEPCO L.P.

Work Order #: 310098

Project ID: Poker Lake Unit # 162

Lab Batch #: 731148

Sample: 310098-004 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Analytes					
1,4-Difluorobenzene	0.0360	0.0300	120	80-120	
4-Bromofluorobenzene	0.0293	0.0300	98	80-120	

Lab Batch #: 731148

Sample: 310098-008 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Analytes					
1,4-Difluorobenzene	0.0358	0.0300	119	80-120	
4-Bromofluorobenzene	0.0316	0.0300	105	80-120	

Lab Batch #: 731148

Sample: 310098-008 S / MS

Batch: 1 Matrix: Soil

Units: mg/kg

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Analytes					
1,4-Difluorobenzene	0.0311	0.0300	104	80-120	
4-Bromofluorobenzene	0.0266	0.0300	89	80-120	

Lab Batch #: 731148

Sample: 310098-008 SD / MSD

Batch: 1 Matrix: Soil

Units: mg/kg

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Analytes					
1,4-Difluorobenzene	0.0297	0.0300	99	80-120	
4-Bromofluorobenzene	0.0290	0.0300	97	80-120	

Lab Batch #: 731148

Sample: 310098-009 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Analytes					
1,4-Difluorobenzene	0.0376	0.0300	125	80-120	**
4-Bromofluorobenzene	0.0462	0.0300	154	80-120	**

** 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



Form 2 - Surrogate Recoveries

Project Name: BEPCO L.P.



Work Order #: 310098

Project ID: Poker Lake Unit # 162

Lab Batch #: 731148

Sample: 310098-010 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0352	0.0300	117	80-120	
4-Bromofluorobenzene	0.0296	0.0300	99	80-120	

Lab Batch #: 731148

Sample: 310098-011 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0347	0.0300	116	80-120	
4-Bromofluorobenzene	0.0281	0.0300	94	80-120	

Lab Batch #: 731148

Sample: 310098-012 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0387	0.0300	129	80-120	**
4-Bromofluorobenzene	0.0520	0.0300	173	80-120	**

Lab Batch #: 731148

Sample: 513937-1-BKS / BKS

Batch: 1 Matrix: Solid

Units: mg/kg

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0273	0.0300	91	80-120	
4-Bromofluorobenzene	0.0308	0.0300	103	80-120	

Lab Batch #: 731148

Sample: 513937-1-BLK / BLK

Batch: 1 Matrix: Solid

Units: mg/kg

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0351	0.0300	117	80-120	
4-Bromofluorobenzene	0.0279	0.0300	93	80-120	

** 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

Project Name: BEPCO L.P.

Work Order #: 310098

Project ID: Poker Lake Unit # 162

Lab Batch #: 731148

Sample: 513937-1-BSD / BSD

Batch: 1 Matrix: Solid

Units: mg/kg

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0288	0.0300	96	80-120	
4-Bromofluorobenzene	0.0288	0.0300	96	80-120	

Lab Batch #: 731174

Sample: 310098-004 / 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	87.4	100	87	70-135	
o-Terphenyl	48.9	50.0	98	70-135	

Lab Batch #: 731174

Sample: 310098-008 / 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	83.8	100	84	70-135	
o-Terphenyl	46.4	50.0	93	70-135	

Lab Batch #: 731174

Sample: 310098-009 / 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	76.4	100	76	70-135	
o-Terphenyl	44.7	50.0	89	70-135	

Lab Batch #: 731174

Sample: 310098-010 / 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	75.6	100	76	70-135	
o-Terphenyl	42.0	50.0	84	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.

Project Name: BEPCO L.P.
Work Order #: 310098
Project ID: Poker Lake Unit # 162
Lab Batch #: 731174
Sample: 310098-011 / 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	77.4	100	77	70-135	
o-Terphenyl	43.1	50.0	86	70-135	

Lab Batch #: 731174
Sample: 310098-012 / 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	78.0	100	78	70-135	
o-Terphenyl	44.4	50.0	89	70-135	

Lab Batch #: 731174
Sample: 513957-1-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	77.1	100	77	70-135	
o-Terphenyl	46.2	50.0	92	70-135	

Lab Batch #: 731174
Sample: 513957-1-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	77.8	100	78	70-135	
o-Terphenyl	43.7	50.0	87	70-135	

Lab Batch #: 731174
Sample: 513957-1-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	76.2	100	76	70-135	
o-Terphenyl	44.3	50.0	89	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

Project Name: BEPCO L.P.

Work Order #: 310098

Project ID: Poker Lake Unit # 162

Lab Batch #: 731080

Sample: 731080-1-BKS

Matrix: Solid

Date Analyzed: 08/14/2008

Date Prepared: 08/14/2008

Analyst: LATCOR

Reporting Units: mg/kg

Batch #: 1

BLANK /BLANK SPIKE RECOVERY STUDY

Anions by EPA 300/300.1	Blank Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Control Limits %R	Flags
Analytes						
Chloride	ND	10.0	9.74	97	75-125	

Lab Batch #: 731062

Sample: 731062-1-BKS

Matrix: Solid

Date Analyzed: 08/14/2008

Date Prepared: 08/14/2008

Analyst: LATCOR

Reporting Units: mg/kg

Batch #: 1

BLANK /BLANK SPIKE RECOVERY STUDY

TPH by EPA 418.1	Blank Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Control Limits %R	Flags
Analytes						
TPH, Total Petroleum Hydrocarbons	ND	2500	2260	90	65-135	

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

All results are based on MDL and validated for QC purposes

Project Name: BEPCO L.P.

Work Order #: 310098

Analyst: ASA

Date Prepared: 08/14/2008

Project ID: Poker Lake Unit # 162

Date Analyzed: 08/14/2008

Lab Batch ID: 731148

Sample: 513937-1-BKS

Batch #: 1

Matrix: Solid

Units: mg/kg

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

BTEX by EPA 8021B	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											
Benzene	ND	0 1000	0 1060	106	0 1	0 1094	109	3	70-130	35	
Toluene	ND	0.1000	0 1059	106	0 1	0 1089	109	3	70-130	35	
Ethylbenzene	ND	0 1000	0 1172	117	0 1	0 1198	120	2	71-129	35	
m,p-Xylenes	ND	0 2000	0 2427	121	0 2	0 2481	124	2	70-135	35	
o-Xylene	ND	0 1000	0 1120	112	0 1	0 1136	114	1	71-133	35	

Analyst: IRO

Date Prepared: 08/15/2008

Date Analyzed: 08/15/2008

Lab Batch ID: 731174

Sample: 513957-1-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	842	84	1000	835	84	1	70-135	35	
C12-C28 Diesel Range Hydrocarbons	ND	1000	940	94	1000	835	84	12	70-135	35	

Relative Percent Difference RPD = $200 * [(C-F)/(C+F)]$

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: BEPCO L.P.

Work Order #: 310098

Lab Batch #: 731080

Date Analyzed: 08/14/2008

Date Prepared: 08/14/2008

Project ID: Poker Lake Unit # 162

Analyst: LATCOR

QC- Sample ID: 309984-001 S

Batch #: 1

Matrix: Soil

Reporting Units: mg/kg

MATRIX / MATRIX SPIKE RECOVERY STUDY

Inorganic Anions by EPA 300		Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	%R [D]	Control Limits %R	Flag
Analytes							
Chloride		553	228	837	125	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

Work

Lab

Date

Report

Ben

Tol

Eth

m-p

o-X

Lab

Date

Report

TPH

Matrix Spike
Relative Percent
ND = Not Determined
Applicable?



Sample Duplicate Recovery



Project Name: BEPCO L.P.

Work Order #: 310098

Lab Batch #: 731080

Project ID: Poker Lake Unit # 162

Date Analyzed: 08/14/2008

Date Prepared: 08/14/2008

Analyst: LATCOR

QC- Sample ID: 309984-001 D

Batch #: 1

Matrix: Soil

Reporting Units: mg/kg

SAMPLE / SAMPLE DUPLICATE RECOVERY

Anions by EPA 300/300.1	Parent Sample Result [A]	Sample Duplicate Result [B]	RPD	Control Limits %RPD	Flag
Analyte					
Chloride	553	557	1	20	

Lab Batch #: 731071

Date Analyzed: 08/15/2008

Date Prepared: 08/15/2008

Analyst: MOV

QC- Sample ID: 310039-001 D

Batch #: 1

Matrix: Soil

Reporting Units: %

SAMPLE / SAMPLE DUPLICATE RECOVERY

Percent Moisture	Parent Sample Result [A]	Sample Duplicate Result [B]	RPD	Control Limits %RPD	Flag
Analyte					
Percent Moisture	0.977	0.947	3	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 KE

12600 West I-20 East
Odessa, Texas 79765

Project Manager:

DEBBIE SPACK SMITH

Pro

Company Name

SPACK ENVIRONMENTAL SERVICES

Company Address:

P

City/State/Zip:

Telephone No:

Fax No:

Report

Sampler Signature:

Chuck Daniels

e-mail:

(lab use only)

ORDER #:

310098

LAB # (lab use only)	FIELD CODE	Beginning Depth	Ending Depth	Date Sampled	Time Sampled	Field Filtered	Total # of Containers	Preservation & # of Containers								Matrix	
								Ice	HNO ₃	HCl	H ₂ SO ₄	NaOH	Na ₂ SO ₄	None	Other (Specify)	DW=Drinking Water SL=Sludge	GW=Groundwater S=Soil/Solid
<i>01</i>	<i>SEF1-001</i>		<i>18'</i>	<i>8-14-08</i>	<i>8:30</i>		<i>1</i>	<i>X</i>								<i>S</i>	
<i>02</i>	<i>SEF2-001</i>		<i>18'</i>		<i>8:40</i>		<i>1</i>	<i>X</i>								<i>S</i>	
<i>03</i>	<i>SEF3-001</i>		<i>18'</i>		<i>8:50</i>		<i>1</i>	<i>X</i>								<i>S</i>	
<i>04</i>	<i>NEF1-001</i>		<i>18'</i>		<i>9:00</i>		<i>1</i>	<i>X</i>								<i>S</i>	
<i>05</i>	<i>NEF2-001</i>		<i>18'</i>		<i>9:10</i>		<i>1</i>	<i>X</i>								<i>S</i>	
<i>06</i>	<i>NEF3-001</i>		<i>18'</i>		<i>9:20</i>		<i>1</i>	<i>X</i>								<i>S</i>	
<i>07</i>	<i>NEW-001</i>		<i>12'</i>		<i>9:30</i>		<i>1</i>	<i>X</i>								<i>S</i>	
<i>08</i>	<i>SEW-001</i>		<i>12'</i>		<i>9:40</i>		<i>1</i>	<i>X</i>								<i>S</i>	
<i>09</i>	<i>NEW-001</i>		<i>12'</i>		<i>9:50</i>		<i>1</i>	<i>X</i>								<i>S</i>	
<i>10</i>	<i>FEW-001</i>		<i>12'</i>		<i>10:00</i>		<i>1</i>	<i>X</i>								<i>S</i>	

Special Instructions:

Relinquished by <i>Chuck Daniels</i>	Date <i>8-14-08</i>	Time <i>12:25</i>	Received by	Date	Time
Relinquished by	Date	Time	Received by	Date	Time
Relinquished by	Date	Time	Received by ELDT: <i>Andrea Lamm</i>	Date <i>8-14-08</i>	Time <i>12</i>

#1	Temperature of container/ cooler?	<u>Yes</u>	No	5.5 °C	
#2	Shipping container in good condition?	<u>Yes</u>	No		
#3	Custody Seals intact on shipping container/ cooler?	Yes	No	<u>Not Present</u>	
#4	Custody Seals intact on sample bottles/ container?	Yes	No	<u>Not Present</u>	
#5	Chain of Custody present?	<u>Yes</u>	No		
#6	Sample instructions complete of Chain of Custody?	<u>Yes</u>	No		
#7	Chain of Custody signed when relinquished/ received?	<u>Yes</u>	No		
#8	Chain of Custody agrees with sample label(s)?	Yes	No	<u>ID written on Cont. Lid</u>	
#9	Container label(s) legible and intact?	Yes	No	<u>Not Applicable</u>	
#10	Sample matrix/ properties agree with Chain of Custody?	<u>Yes</u>	No		
#11	Containers supplied by ELOT?	<u>Yes</u>	No		
#12	Samples in proper container/ bottle?	<u>Yes</u>	No	See Below	
#13	Samples properly preserved?	<u>Yes</u>	No	See Below	
#14	Sample bottles intact?	<u>Yes</u>	No		
#15	Preservations documented on Chain of Custody?	<u>Yes</u>	No		
#16	Containers documented on Chain of Custody?	<u>Yes</u>	No		
#17	Sufficient sample amount for indicated test(s)?	<u>Yes</u>	No	See Below	
#18	All samples received within sufficient hold time?	<u>Yes</u>	No	See Below	
#19	Subcontract of sample(s)?	Yes	No	<u>Not Applicable</u>	
#20	VOC samples have zero headspace?	<u>Yes</u>	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

Analytical Report 310673

for

Sport Environmental Services, PLLC

Project Manager: Debi Smith

BEPCO, L.P.

Poker Lake Unit #162

22-AUG-08



E84880

12600 West I-20 East Odessa, Texas 79765

Texas certification numbers:

Houston, TX T104704215 - Odessa/Midland, TX T104704215-08-TX

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



22-AUG-08

Project Manager: **Debi Smith**
Sport Environmental Services, PLLC
502 North Big Spring Street
Midland, TX 79701

Reference: XENCO Report No: **310673**
BEPCO, L.P.
Project Address:

Debi Smith:

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 310673. 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. 310673 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 310673



Sport Environmental Services, PLLC, Midland, TX
BEPCO, L.P.

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
NEW-002	S	Aug-20-08 13:15	12 ft	310673-001

Project Id: Poker Lake Unit #162

Contact: Debi Smith

Project Location:

Subject: CO,

Date Received in Lab: Thu Aug-21-08 08:18 am

Report Date: 22-AUG-08

Project Manager: Brent Barron, II

Analysis Requested	Lab Id:	310673-001					
	Field Id:	NEW-002					
	Depth:	12 ft					
	Matrix:	SOIL					
Anions by EPA 300/300.1	Sampled:	Aug-20-08 13 15					
	Extracted:						
	Analyzed:	Aug-21-08 15.45					
Chloride	Units/RL:	mg/kg RL					
		ND 25 0					

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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9701 Harry Hines Blvd , Dallas, TX 75220
5332 Blackberry Drive, Suite 104, San Antonio, TX 78238
2505 N Falkenburg Rd , Tampa, FL 33619
5757 NW 158th St, Miami Lakes, FL 33014
6017 Financial Dr , Norcross, GA 30071

Phone	Fax
(281) 589-0692	(281) 589-0695
(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



Blank Spike Recovery



Project Name: BEPCO, L.P.

Work Order #: 310673

Project ID:

Poker Lake Unit #162

Lab Batch #: 731928

Sample: 731928-1-BKS

Matrix: Solid

Date Analyzed: 08/21/2008

Date Prepared: 08/21/2008

Analyst: LATCOR

Reporting Units: mg/kg

Batch #: 1

BLANK /BLANK SPIKE RECOVERY STUDY

Anions by EPA 300/300.1 Analytes	Blank Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Control Limits %R	Flags
Chloride	ND	100	94.3	94	75-125	

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

All results are based on MDL and validated for QC purposes



Form 3 - MS Recoveries



Project Name: BEPCO, L.P.

Work Order #: 310673

Lab Batch #: 731928

Project ID: Poker Lake Unit #162

Date Analyzed: 08/21/2008

Date Prepared: 08/21/2008

Analyst: LATCOR

QC- Sample ID: 310673-001 S

Batch #: 1

Matrix: Soil

Reporting Units: mg/kg

MATRIX / MATRIX SPIKE RECOVERY STUDY

Inorganic Anions by EPA 300		Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	%R [D]	Control Limits %R	Flag
Analytes							
Chloride		ND	500	545	109	75-125	

Matrix Spike Percent Recovery [D] = $100 \times (C-A)/B$

Relative Percent Difference [E] = $200 \times (C-A)/(C+B)$

All Results are based on MDL and Validated for QC Purposes



Sample Duplicate Recovery



Project Name: BEPCO, L.P.

Work Order #: 310673

Lab Batch #: 731928

Project ID: Poker Lake Unit #162

Date Analyzed: 08/21/2008

Date Prepared: 08/21/2008

Analyst: LATCOR

QC- Sample ID: 310673-001 D

Batch #: 1

Matrix: Soil

Reporting Units: mg/kg

SAMPLE / SAMPLE DUPLICATE RECOVERY					
Anions by EPA 300/300.1	Parent Sample Result [A]	Sample Duplicate Result [B]	RPD	Control Limits %RPD	Flag
Analyte					
Chloride	ND	ND	NC	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 REC

12600 West I-20 East
Odessa, Texas 79765

Project Manager: Debi Sport Smith

Proje

Company Name Sport Environmental Services

F

Company Address: 502 N Big Spring Street

Pro

City/State/Zip Midland Texas 79701

Telephone No 432-683-1100

Fax No: 888-500-0622

Report F

Sampler Signature Chuck Daniels

e-mail: debi@sportenvironmental.com

(lab use only)		ORDER #:		3/10013		Preservation & # of Containers										Matrix		
LAB # (lab use only)	FIELD CODE	Beginning Depth	Ending Depth	Date Sampled	Time Sampled	Field Filtered	Total # of Containers	Ice	HNO ₃	HCl	H ₂ SO ₄	NaOH	Na ₂ S O	None	Other (Specify)	Drinking Water SL-Sludge	GW = Groundwater S= Soil-Solid	NP=Non-Portable Specify Other
01	NEW-002		12'	8/20/2008	13:15		1	X										

Special Instructions:

Relinquished by <u>Debi S. Smith</u>	Date <u>8/21/08</u>	Time <u>8:18am</u>	Received by	Date	Time
Relinquished by	Date	Time	Received by	Date	Time
Relinquished by	Date	Time	Received by <u>ELDT</u>	Date <u>8/21/08</u>	Time <u>8:1</u>

#1	Temperature of container/ cooler?	YES	NO	~112	
#2	Shipping container in good condition?	YES	No		
#3	Custody Seals intact on shipping container/ cooler?	YES	No	Not Present	
#4	Custody Seals intact on sample bottles/ container?	YES	No	Not Present	
#5	Chain of Custody present?	YES	No		
#6	Sample instructions complete of Chain of Custody?	YES	No		
#7	Chain of Custody signed when relinquished/ received?	YES	No		
#8	Chain of Custody agrees with sample label(s)?	YES	No	ID written on Cont./ Lid	
#9	Container label(s) legible and intact?	YES	No	Not Applicable	
#10	Sample matrix/ properties agree with Chain of Custody?	YES	No		
#11	Containers supplied by ELOT?	YES	No		
#12	Samples in proper container/ bottle?	YES	No	See Below	
#13	Samples properly preserved?	YES	No	See Below	
#14	Sample bottles intact?	YES	No		
#15	Preservations documented on Chain of Custody?	YES	No		
#16	Containers documented on Chain of Custody?	YES	No		
#17	Sufficient sample amount for indicated test(s)?	YES	No	See Below	
#18	All samples received within sufficient hold time?	YES	No	See Below	
#19	Subcontract of sample(s)?	YES	No	Not Applicable	
#20	VOC samples have zero headspace?	YES	No	Not Applicable	

Variance Documentation

Contact: _____ Contacted by: _____ Date/ Time: _____

Regarding: _____

Corrective Action Taken.

Check all that Apply:

- ☐ See attached e-mail/ fax
☐ Client understands and would like to proceed with analysis
☐ Cooling process had begun shortly after sampling event

Analytical Report 314973

for

Sport Environmental Services, PLLC

Project Manager: Debi Smith

BEPCO, L.P.

Poker Lake Unit # 162

20-OCT-08



12600 West I-20 East Odessa, Texas 79765

Texas certification numbers:

Houston, TX T104704215 - Odessa/Midland, TX T104704215-08-TX

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



20-OCT-08

Project Manager: **Debi Smith**
Sport Environmental Services, PLLC
502 North Big Spring Street
Midland, TX 79701

Reference: XENCO Report No: **314973**
BEPCO, L.P.
Project Address:

Debi Smith:

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 314973. 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. 314973 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 314973



Sport Environmental Services, PLLC, Midland, TX
BEPCO, L.P.

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
EEW-002	S	Oct-16-08 12:30	6' - 6' ft	314973-001

Project Id: 10000 Lake # 16

Contact: Debi Smith

Project Name: EPCO, Inc.

Date Received in Lab: Fri Oct-17-08 07:39 am

Report Date: 20-OCT-08


Project Location:

Project Manager: Brent Barron, II

Analysis Requested	Lab Id:	314973-001					
	Field Id:	EEW-002					
	Depth:	6'-6' ft					
	Matrix:	SOIL					
	Sampled:	Oct-16-08 12:30					
Anions by EPA 300/300.1	Extracted:						
	Analyzed:	Oct-17-08 10:19					
	Units/RL:	mg/kg RL					
Chloride		70.2 5.00					

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.

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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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(210) 509-3334	(210) 509-3335
(813) 620-2000	(813) 620-2033
(305) 823-8500	(305) 823-8555
(770) 449-8800	(770) 449-5477



Blank Spike Recovery



Project Name: BEPCO, L.P.

Work Order #: 314973

Project ID: Poker Lake Unit # 162

Lab Batch #: 737493

Sample: 737493-1-BKS

Matrix: Solid

Date Analyzed: 10/17/2008

Date Prepared: 10/17/2008

Analyst: LATCOR

Reporting Units: mg/kg

Batch #: 1

BLANK /BLANK SPIKE RECOVERY STUDY

Anions by EPA 300/300.1	Blank Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Control Limits %R	Flags
Analytes						
Chloride	ND	10.0	9.40	94	75-125	

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

All results are based on MDL and validated for QC purposes



Form 3 - MS Recoveries



Project Name: BEPCO, L.P.

Work Order #: 314973

Lab Batch #: 737493

Project ID: Poker Lake Unit # 162

Date Analyzed: 10/17/2008

Date Prepared: 10/17/2008

Analyst: LATCOR

QC- Sample ID: 314943-001 S

Batch #: 1

Matrix: Solid/Solid

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	8430	3500	12500	116	75-125	

Matrix Spike Percent Recovery [D] = $100 \times (C-A)/B$

Relative Percent Difference [E] = $200 \times (C-A)/(C+B)$

All Results are based on MDL and Validated for QC Purposes



Sample Duplicate Recovery



Project Name: BEPCO, L.P.

Work Order #: 314973

Lab Batch #: 737493

Date Analyzed: 10/17/2008

QC- Sample ID: 314943-001 D

Reporting Units: mg/kg

Date Prepared: 10/17/2008

Batch #: 1

Project ID: Poker Lake Unit # 162

Analyst: LATCOR

Matrix: Solid/Solid

SAMPLE / SAMPLE DUPLICATE RECOVERY

Anions by EPA 300/300.1	Parent Sample Result [A]	Sample Duplicate Result [B]	RPD	Control Limits %RPD	Flag
Analyte					
Chloride	8430	8120	4	20	

Spike Relative Difference RPD $200 * |(B-A)/(B+A)|$
All Results are based on MDL and validated for QC purposes

#1	Temperature of container/ cooler?	<u>Yes</u>	No	11.0 °C
#2	Shipping container in good condition?	<u>Yes</u>	No	
#3	Custody Seals intact on shipping container/ cooler?	Yes	No	<u>Not Present</u>
#4	Custody Seals intact on sample bottles/ container?	Yes	No	<u>Not Present</u>
#5	Chain of Custody present?	<u>Yes</u>	No	
#6	Sample instructions complete of Chain of Custody?	<u>Yes</u>	No	
#7	Chain of Custody signed when relinquished/ received?	<u>Yes</u>	No	
#8	Chain of Custody agrees with sample label(s)?	Yes	No	<u>ID written on Cont. Lid</u>
#9	Container label(s) legible and intact?	Yes	No	<u>Not Applicable</u>
#10	Sample matrix/ properties agree with Chain of Custody?	<u>Yes</u>	No	
#11	Containers supplied by ELOT?	<u>Yes</u>	No	
#12	Samples in proper container/ bottle?	<u>Yes</u>	No	See Below
#13	Samples properly preserved?	<u>Yes</u>	No	See Below
#14	Sample bottles intact?	<u>Yes</u>	No	
#15	Preservations documented on Chain of Custody?	<u>Yes</u>	No	
#16	Containers documented on Chain of Custody?	<u>Yes</u>	No	
#17	Sufficient sample amount for indicated test(s)?	<u>Yes</u>	No	See Below
#18	All samples received within sufficient hold time?	<u>Yes</u>	No	See Below
#19	Subcontract of sample(s)?	Yes	No	<u>Not Applicable</u>
#20	VOC samples have zero headspace?	Yes	No	<u>Not Applicable</u>

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

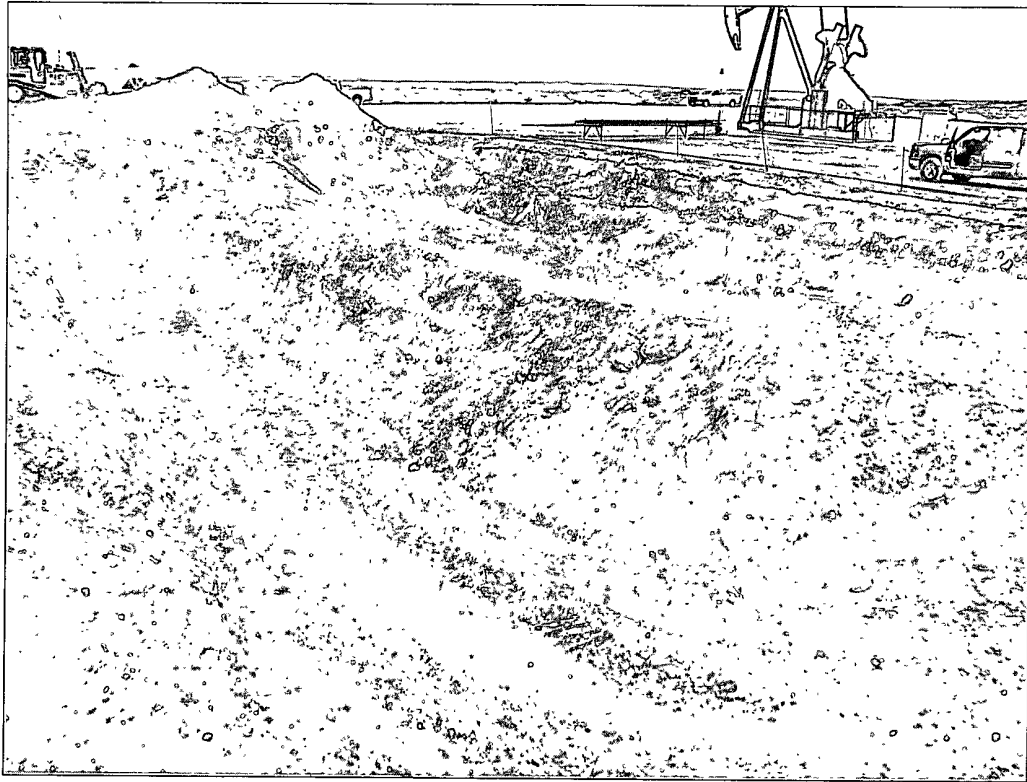
BEPCO. L.P.
dba Bass Enterprises Production Co.
Poker Lake Unit #162
Section 6, T-24-S, R-30-E
Eddy County, New Mexico

SITE PHOTOGRAPHS
TAKEN AUGUST 14 and SEPTEMBER 5, 2008
Poker Lake Unit #162

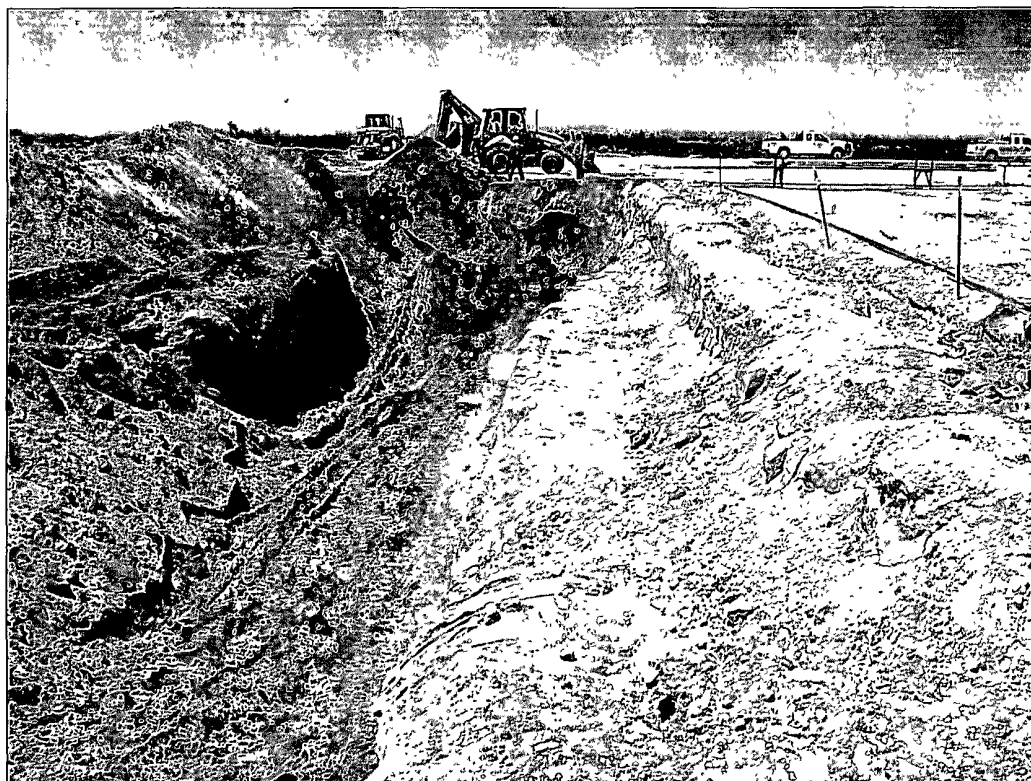
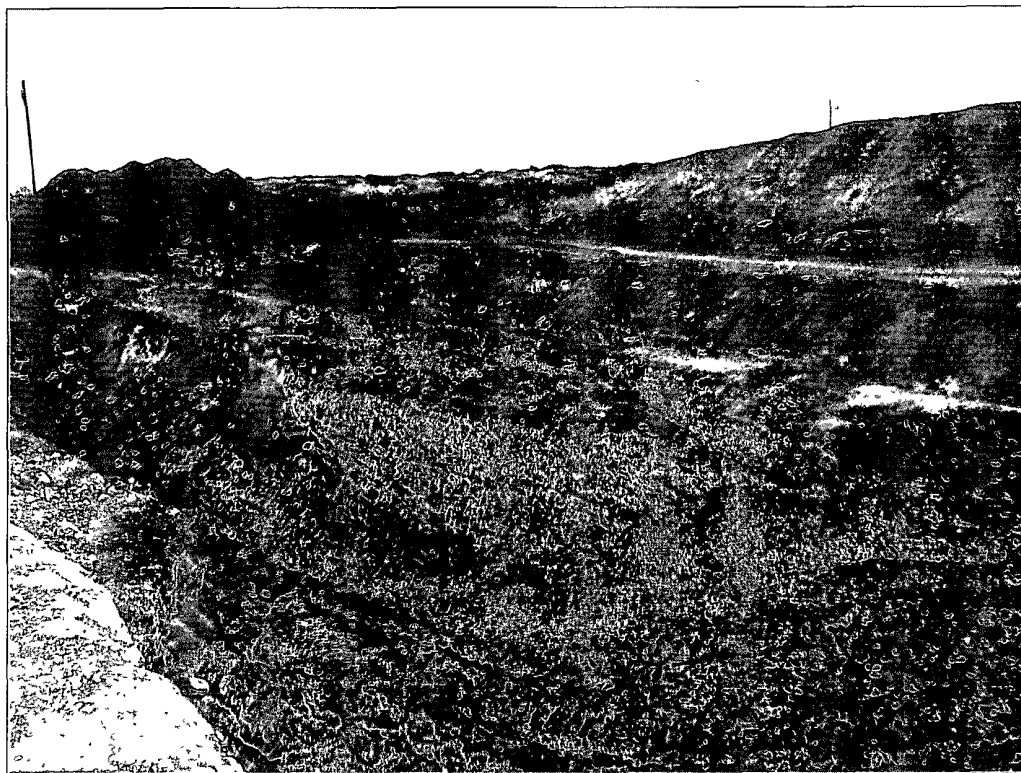
BEP CO, LP - Poker Lake Unit #162
Site Photographs taken August 14, 2008
(p. 1 of 4)



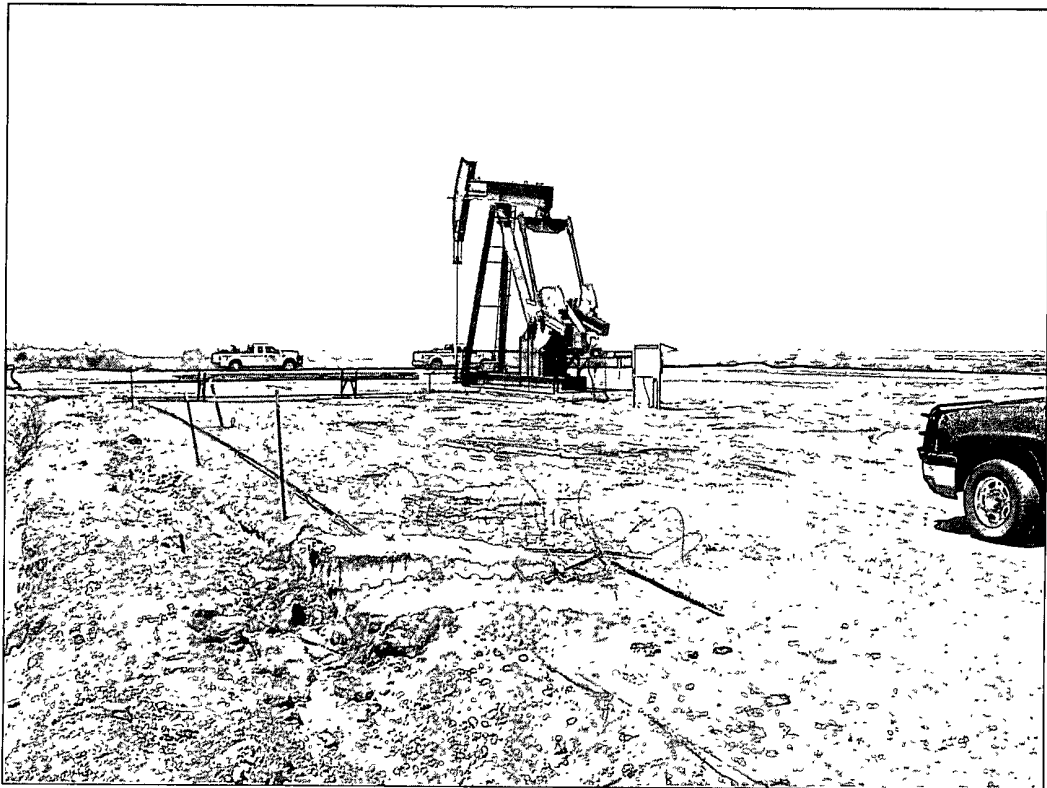
BEPCO, LP – Poker Lake Unit #162
Site Photographs taken August 14, 2008
(p. 2 of 4)



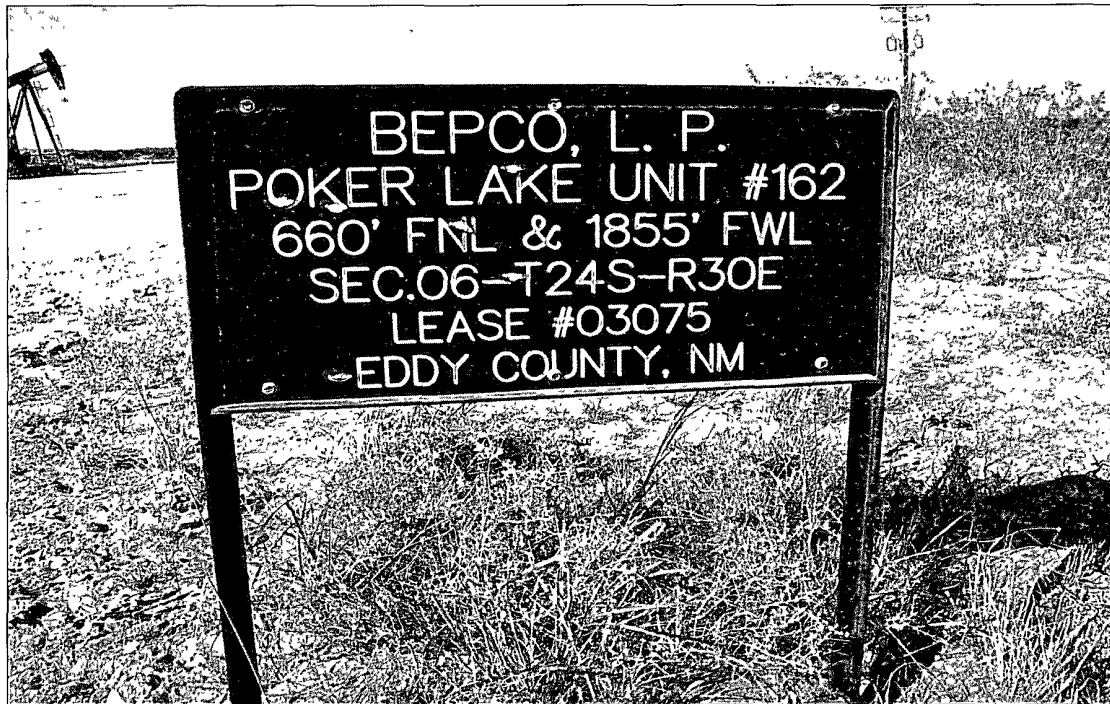
BEPCO, LP – Poker Lake Unit #162
Site Photographs taken August 14, 2008
(p. 3 of 4)



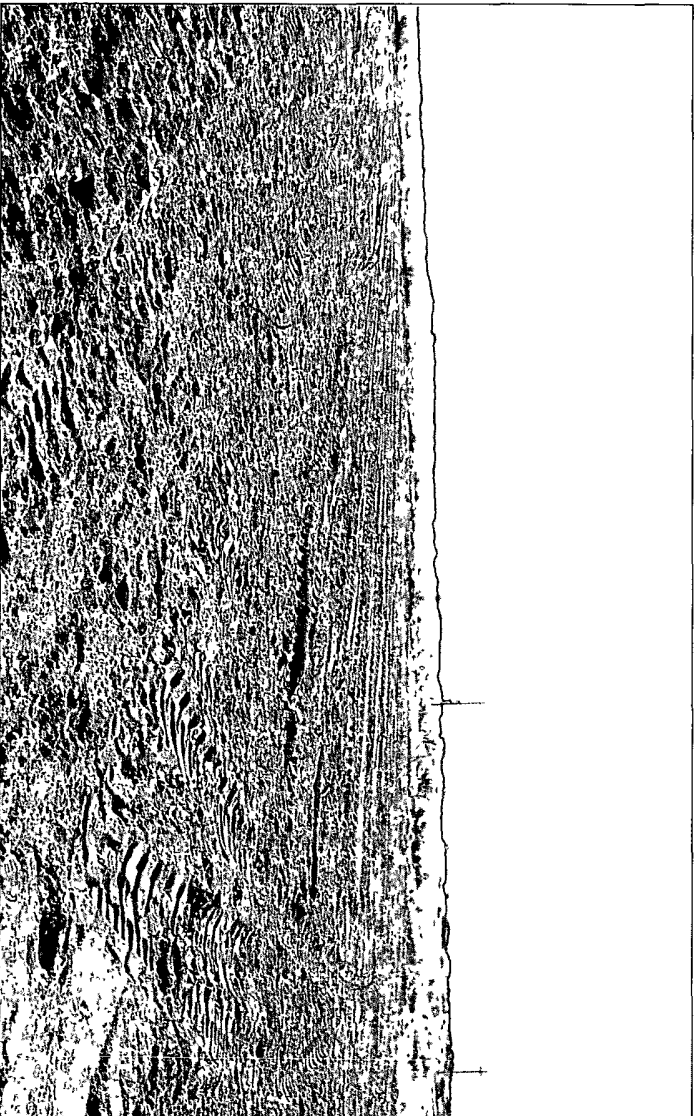
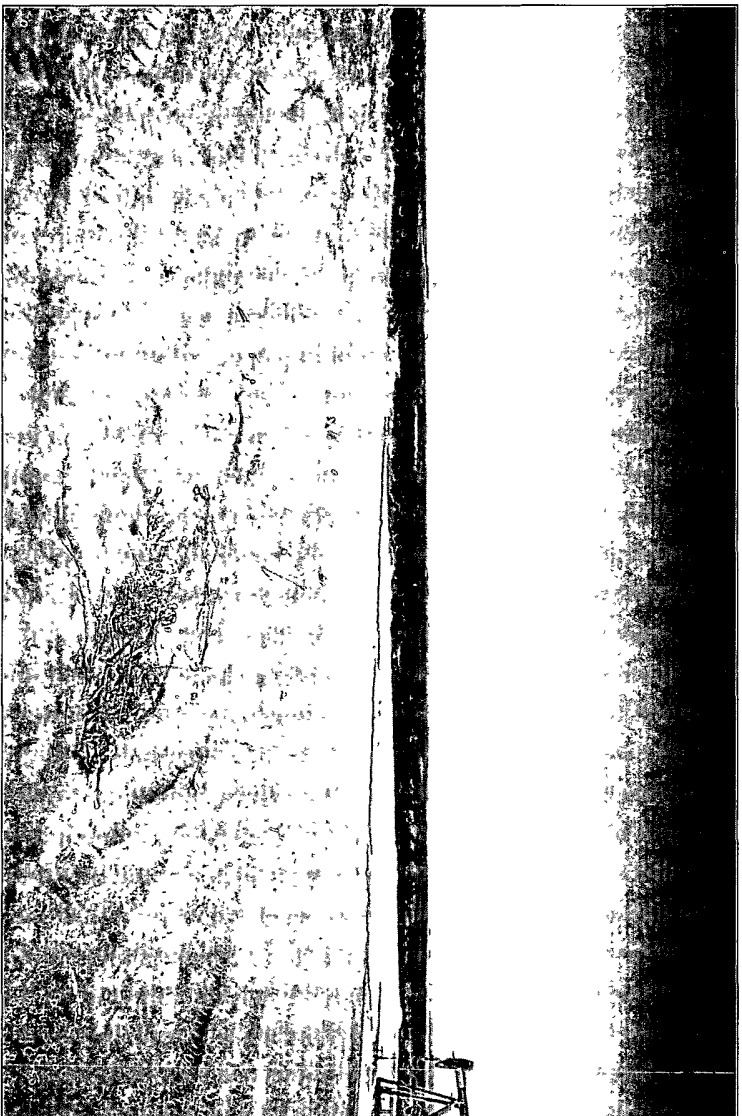
BEPCO, LP – Poker Lake Unit #162
Site Photographs taken August 14, 2008
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BEPCO, LP – Poker Lake Unit #162
Site Photographs taken September 5, 2008
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BEPCO, LP – Poker Lake Unit #162
Site Photographs taken September 5, 2008
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BEP CO, LP – Poker Lake Unit #162
Site Photographs taken September 5, 2008
(p. 3 of 3)

