

Rec'd 5/12/09

Form C-144
July 21, 2008

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

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 #295**
API Number **30-015-35549** OCD Permit Number **208257**
U/L or Qtr/Qtr **SWNW** Section **19** Township **24S** Range **30E** County **EDDY**
Center of Proposed Design Latitude **N 32.205556** Longitude **W 103.926306** 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

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

Form C-144
Final Closure Date 8/29/08

Oil Conservation Division

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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

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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

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

- ☐ 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

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)

- ☒ 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

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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

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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

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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 _____

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

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

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

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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:** 08/29/2008

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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

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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

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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

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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 Regulatory Clerk

Signature Annette Childers Date: 4-8-09

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

Accepted for record
NMOC

MAY 29 2009

MAY 12 2009

Waste Excavation and Removal Closure Plan



BEPCO, L.P.

dba Bass Enterprises Production Co.

Poker Lake Unit #295

Section 19, 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 8, 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 #295
Section 19, 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 #295 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 (WATERS), 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 two rounds of delineation and confirmation sampling events, conducted on September 2 and September 5, 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	344 mg/kg	September 5, 2008
East Pit Wall	EEW-001	131 mg/kg	September 2, 2008
South Pit Wall	SEW-001	26 mg/kg	September 2, 2008
West Pit Wall	WEW-001	113 mg/kg	September 2, 2008
Pit Floor	NEF1-001	186 mg/kg	September 2, 2008
	NEF2-001	ND	September 2, 2008
	NEF3-001	121mg/kg	September 2, 2008
	SEF1-002	156 mg/kg	September 5, 2008
	SEF2-001	27 5mg/kg	September 2, 2008
	SEF3-001	545 mg/kg	September 2, 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 uncompacted 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 reseedling 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 live seed

Enclosed please find documentation demonstrating that the checklist requirements set forth with the Waste Excavation 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 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 #295
Section 19, 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 #295



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 July 31, 2010

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.

5 Lease Serial No
NMLC 02860

6 If Indian, Allottee or Tribe Name

SUBMIT IN TRIPLICATE – Other instructions on page 2

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

1 Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

8 Well Name and No
POKER LAKE UNIT #295

2 Name of Operator
BOPCO, L.P.

9 API Well No
30-015-35549

3a Address

P.O. box 2760, Midland Texas 79702

3b Phone No (include area code)

432-683-2277

10 Field and Pool or Exploratory Area
NASH DRAW 9DEL/BS/AVALON)

4 Location of Well (Footage, Sec, T, R, M, or Survey Description)

SWNW, SEC 19 T24S R30E, LAT N32 205556 DEG, LONG W103 926306

11 Country or Parish, State
EDDY COUNTY, NM

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

TYPE OF SUBMISSION

TYPE OF ACTION

☐ Notice of Intent

☒ Subsequent Report

☐ Final Abandonment Notice

☐ Acidize

☐ Alter Casing

☐ Casing Repair

☐ Change Plans

☐ Convert to Injection

☐ Deepen

☐ Fracture Treat

☐ New Construction

☐ Plug and Abandon

☐ Plug Back

☐ Production (Start/Resume)

☐ Reclamation

☐ Recomplete

☐ Temporarily Abandon

☐ Water Disposal

☐ Water Shut-Off

☐ Well Integrity

☒ Other PIT CLOSURE

3 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 recompleat 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 must be filed within 30 days following completion of the involved operations If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 must be filed once testing has been completed Final Abandonment Notices must 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 08/29/08
See attached NMOCD form C-144

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

Annette Childers

Title Regulatory Clerk

Signature

Annette Childers

Date

4-8-09

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Title

Date

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

Office

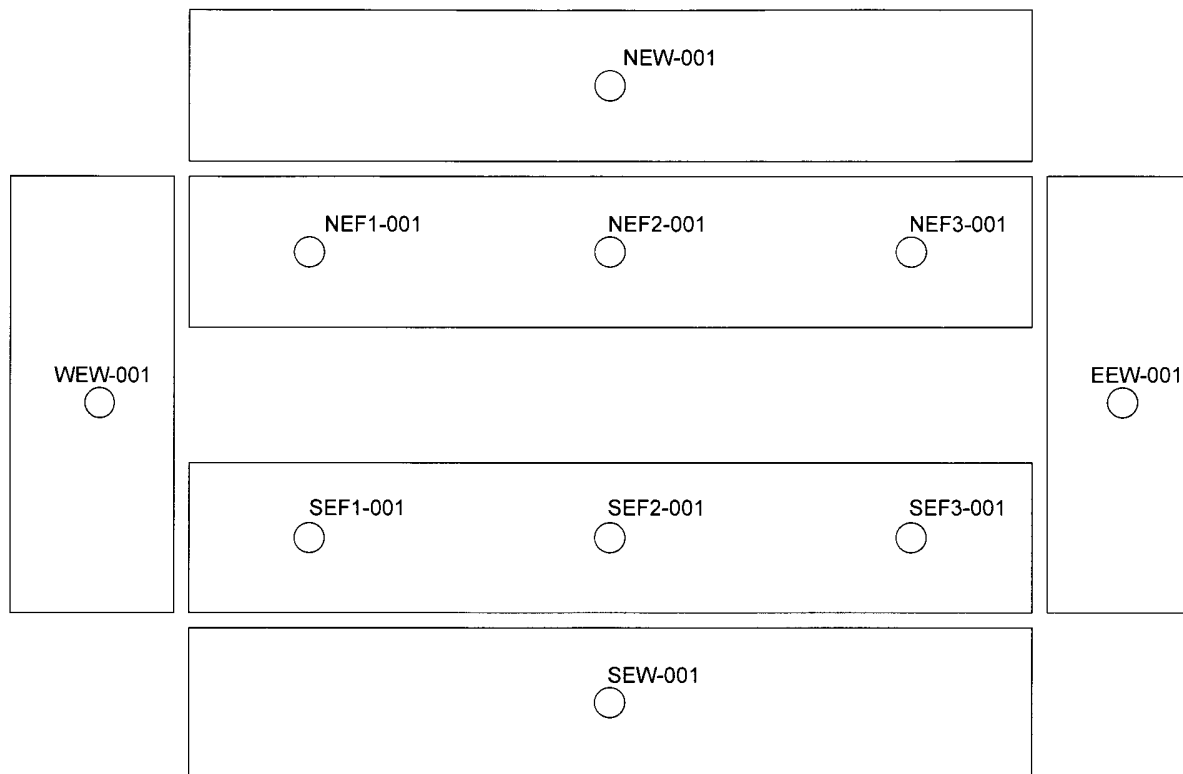
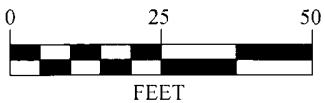
Title 18 U S C Section 1001 and Title 43 U S C Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction

Instructions on page 2)

BEPCO, L.P.
dba Bass Enterprises Production Co.
Poker Lake Unit #295
Section 19, T-24-S, R-30-E
Eddy County, New Mexico

**SITE PLAN DENOTING
PIT CLOSURE SAMPLING LOCATIONS**

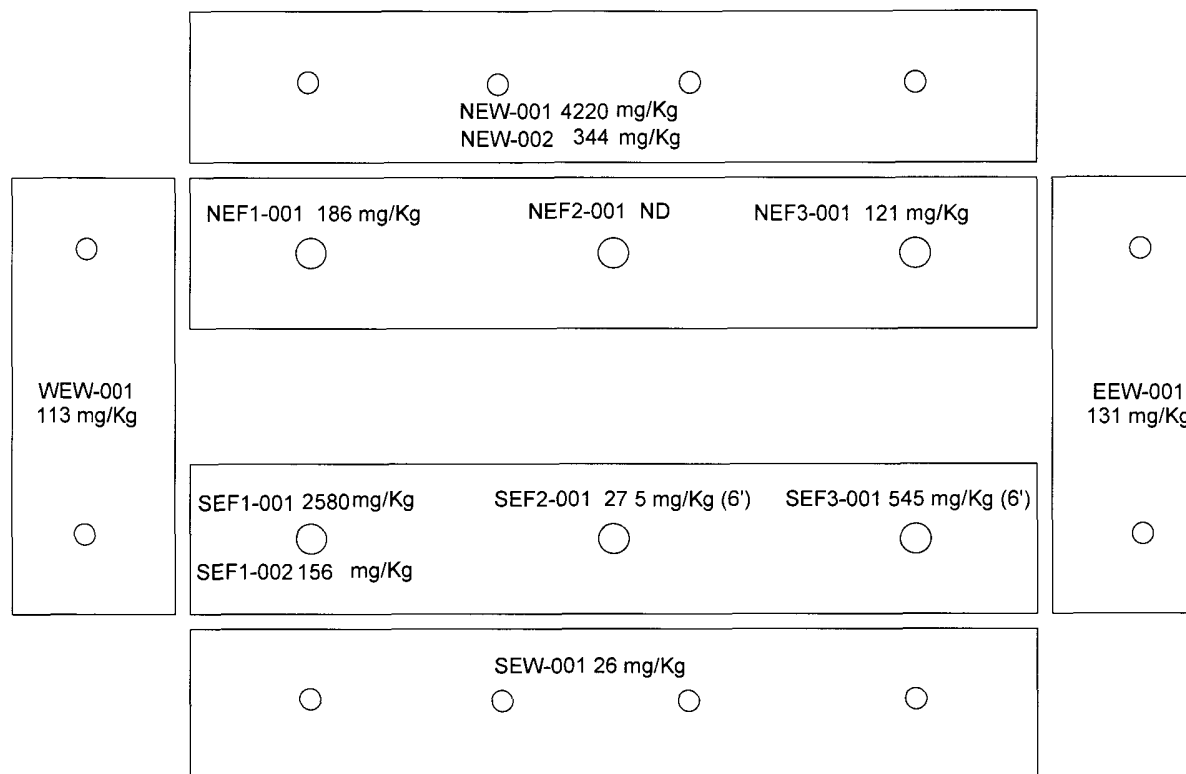
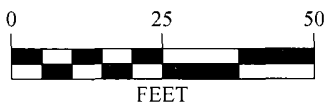
Poker Lake Unit #295



BEPCO, L.P.
Poker Lake Unit #295
Section 19, Township 24S, Range 30E
Eddy County, New Mexico

Delineation Sampling Plan

September 2, 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 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 - 09-02-08
Round Two Samples - 09-05-08



BEPCO, L.P.
Poker Lake Unit #295
Section 19, Township 24S, Range 30E
Eddy County, New Mexico

Confirmation
Sampling
Plan

BEPCO, L.P.
dba Bass Enterprises Production Co.
Poker Lake Unit #295
Section 19, T-24-S, R-30-E
Eddy County, New Mexico

SAMPLE DATA SUMMARY

Poker Lake Unit #295



BEPCO, L.P. Poker Lake Unit #295 Pit Closure
Eddy County, New Mexico

[illegible]

BEPCO, L.P.
dba Bass Enterprises Production Co.
Poker Lake Unit #295
Section 19, T-24-S, R-30-E
Eddy County, New Mexico

ANALYTICAL RESULTS
XENCO LABORATORIES
Poker Lake Unit #295

Analytical Report 311584

for

Sport Environmental Services, PLLC

Project Manager: Debi Smith

BEPCO

Poker Lake Unit 295

05-SEP-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



05-SEP-08

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

Reference: XENCO Report No: **311584**
BEPCO
Project Address: New Mexico

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 311584. 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. 311584 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 311584

Sport Environmental Services, PLLC, Midland, TX
BEPCO

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
NEF1-001	S	Sep-02-08 13:30	10 ft	311584-001
NEF2-001	S	Sep-02-08 13:32	10 ft	311584-002
NEF3-001	S	Sep-02-08 13:34	10 ft	311584-003
SEF1-001	S	Sep-02-08 13:38	6 ft	311584-004
SEF2-001	S	Sep-02-08 13:40	6 ft	311584-005
SEF3-001	S	Sep-02-08 13:42	6 ft	311584-006
SEW-001	S	Sep-02-08 13:47	6 ft	311584-007
WEW-001	S	Sep-02-08 13:50	6 ft	311584-008
NEW-001	S	Sep-02-08 13:53	6 ft	311584-009
EEW-001	S	Sep-02-08 13:55	6 ft	311584-010



Certificate of Analysis Summary 311584

Sport Environmental Services, PLLC, Midland, TX

Project Name: BEPCO

Project Id: Poker Lake Unit 295

Contact: Debi Smith

Project Location: New Mexico

Date Received in Lab: Wed Sep-03-08 08 05 am


Report Date: 05-SEP-08

Project Manager: Brent Barron, II

Analysis Requested	Lab Id	311584-001	311584-002	311584-003	311584-004	311584-005	311584-006
	Field Id	NEF1-001	NEF2-001	NEF3-001	SEF1-001	SEF2-001	SEF3-001
	Depth	10 ft	10 ft	10 ft	6 ft	6 ft	6 ft
	Matrix	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	Sampled	Sep-02-08 13 30	Sep-02-08 13 32	Sep-02-08 13 34	Sep-02-08 13 38	Sep-02-08 13 40	Sep-02-08 13 42
Anions by EPA 300/300.1	Extracted						
	Analyzed	Sep-03-08 15 15	Sep-03-08 15 15	Sep-03-08 15 15	Sep-03-08 15 15	Sep-03-08 15 15	Sep-03-08 15 15
	Units/RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
Chloride		186 5 00	ND 5 00	121 2 00	2580 50 0	27 5 10 0	545 10 0
BTEX by EPA 8021B	Extracted	Sep-03-08 10 00	Sep-03-08 10 00	Sep-03-08 10 00	Sep-03-08 10 00	Sep-03-08 10 00	Sep-03-08 10 00
	Analyzed	Sep-03-08 15 36	Sep-03-08 16 22	Sep-03-08 16 45	Sep-03-08 17 08	Sep-03-08 17 30	Sep-03-08 17 52
	Units/RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
Benzene		ND 0 0011	ND 0 0010	ND 0 0010	ND 0 0011	ND 0 0011	ND 0 0011
Toluene		ND 0 0021	ND 0 0021	ND 0 0021	ND 0 0021	ND 0 0021	ND 0 0022
Ethylbenzene		ND 0 0011	ND 0 0010	ND 0 0010	ND 0 0011	ND 0 0011	ND 0 0011
m,p-Xylenes		ND 0 0021	ND 0 0021	ND 0 0021	ND 0 0021	ND 0 0021	ND 0 0022
o-Xylene		ND 0 0011	ND 0 0010	ND 0 0010	ND 0 0011	ND 0 0011	ND 0 0011
Total Xylenes		ND	ND	ND	ND	ND	ND
Total BTEX		ND	ND	ND	ND	ND	ND
Percent Moisture	Extracted						
	Analyzed	Sep-04-08 15 00	Sep-04-08 15 00	Sep-04-08 15 00	Sep-04-08 15 00	Sep-04-08 15 00	Sep-04-08 15 00
	Units/RL	% RL	% RL	% RL	% RL	% RL	% RL
Percent Moisture		4 96	2 73	3 02	4 77	6 37 1 00	7 03 1 00
TPH By SW8015 Mod	Extracted	Sep-03-08 14 00	Sep-03-08 14 00	Sep-03-08 14 00	Sep-03-08 14 00	Sep-03-08 14 00	Sep-03-08 14 00
	Analyzed	Sep-04-08 01 32	Sep-04-08 01 59	Sep-04-08 02 25	Sep-04-08 02 51	Sep-04-08 03 17	Sep-04-08 03 43
	Units/RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
C6-C12 Gasoline Range Hydrocarbons		ND 15 8	ND 15 4	ND 15 5	ND 15 8	ND 16 0	ND 16 1
C12-C28 Diesel Range Hydrocarbons		36 5 15 8	ND 15 4	48 2 15 5	ND 15 8	ND 16 0	ND 16 1
C28-C35 Oil Range Hydrocarbons		ND 15 8	ND 15 4	ND 15 5	ND 15 8	ND 16 0	ND 16 1
Total TPH		36 5	ND	48 2	ND	ND	ND

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Brent Barron
Odessa Laboratory Director



Certificate of Analysis Summary 311584
Sport Environmental Services, PLLC, Midland, TX

Project Id: Poker Lake Unit 295

Contact: Debi Smith

Project Location: New Mexico

Project Name: BEPCO

Date Received in Lab: Wed Sep-03-08 08 05 am


Report Date: 05-SEP-08

Project Manager: Brent Barron, II

Analysis Requested	Lab Id	311584-001	311584-002	311584-003	311584-004	311584-005	311584-006
	Field Id	NEF1-001	NEF2-001	NEF3-001	SEF1-001	SEF2-001	SEF3-001
	Depth.	10 ft	10 ft	10 ft	6 ft	6 ft	6 ft
	Matrix.	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	Sampled.	Sep-02-08 13 30	Sep-02-08 13 32	Sep-02-08 13 34	Sep-02-08 13 38	Sep-02-08 13 40	Sep-02-08 13 42
TPH by EPA 418.1	Extracted	Sep-04-08 15 04	Sep-04-08 15 04	Sep-04-08 15 04	Sep-04-08 15 04	Sep-04-08 15 04	Sep-04-08 15 04
	Analyzed	Sep-04-08 15 04	Sep-04-08 15 04	Sep-04-08 15 04	Sep-04-08 15 04	Sep-04-08 15 04	Sep-04-08 15 04
	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 5	ND 10 3	14 3 10 3	ND 10 5	ND 10 7	ND 10 8

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Odessa Laboratory Director



Certificate of Analysis Summary 311584

Sport Environmental Services, PLLC, Midland, TX

Project Id: Poker Lake Unit 295

Contact: Debi Smith

Project Location: New Mexico

Project Name: BEPCO

Date Received in Lab: Wed Sep-03-08 08 05 am


Report Date: 05-SEP-08

Project Manager: Brent Barron, II

<i>Analysis Requested</i>	<i>Lab Id</i>	311584-007	311584-008	311584-009	311584-010		
	<i>Field Id</i>	SEW-001	WEW-001	NEW-001	EEW-001		
	<i>Depth</i>	6 ft	6 ft	6 ft	6 ft		
	<i>Matrix</i>	SOIL	SOIL	SOIL	SOIL		
	<i>Sampled</i>	Sep-02-08 13 47	Sep-02-08 13 50	Sep-02-08 13 53	Sep-02-08 13 55		
Anions by EPA 300/300.1	<i>Extracted</i>	Sep-03-08 15 15	Sep-03-08 15 15	Sep-03-08 15 15	Sep-03-08 15 15		
	<i>Analyzed</i>	Sep-03-08 15 15	Sep-03-08 15 15	Sep-03-08 15 15	Sep-03-08 15 15		
	<i>Units/RL</i>	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL		
Chloride		26 0 5 00	113 5 00	4220 100	131 10 0		
BTEX by EPA 8021B	<i>Extracted</i>	Sep-03-08 10 00	Sep-03-08 10 00	Sep-03-08 10 00	Sep-03-08 10 00		
	<i>Analyzed</i>	Sep-03-08 18 15	Sep-03-08 18 38	Sep-03-08 19 01	Sep-03-08 19 24		
	<i>Units/RL</i>	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL		
Benzene		ND 0 0010	ND 0 0010	ND 0 0010	ND 0 0010		
Toluene		ND 0 0020	ND 0 0021	ND 0 0020	ND 0 0020		
Ethylbenzene		ND 0 0010	ND 0 0010	ND 0 0010	ND 0 0010		
m,p-Xylenes		ND 0 0020	ND 0 0021	ND 0 0020	ND 0 0020		
o-Xylene		ND 0 0010	ND 0 0010	ND 0 0010	ND 0 0010		
Total Xylenes		ND	ND	ND	ND		
Total BTEX		ND	ND	ND	ND		
Percent Moisture	<i>Extracted</i>	Sep-04-08 15 00	Sep-04-08 15 00	Sep-04-08 15 00	Sep-04-08 15 00		
	<i>Analyzed</i>	Sep-04-08 15 00	Sep-04-08 15 00	Sep-04-08 15 00	Sep-04-08 15 00		
	<i>Units/RL</i>	% RL	% RL	% RL	% RL		
Percent Moisture		1 99 1 00	2 90 1 00	1 89 1 00	1 52 1 00		
TPH By SW8015 Mod	<i>Extracted</i>	Sep-03-08 14 00	Sep-03-08 14 00	Sep-03-08 14 00	Sep-03-08 14 00		
	<i>Analyzed</i>	Sep-04-08 04 36	Sep-04-08 05 03	Sep-04-08 05 28	Sep-04-08 05 54		
	<i>Units/RL</i>	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL		
C6-C12 Gasoline Range Hydrocarbons		ND 15 3	ND 15 4	ND 15 3	ND 15 2		
C12-C28 Diesel Range Hydrocarbons		ND 15 3	ND 15 4	ND 15 3	16 8 15 2		
C28-C35 Oil Range Hydrocarbons		ND 15 3	ND 15 4	ND 15 3	ND 15 2		
Total TPH		ND	ND	ND	16 8		

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Odessa Laboratory Director



Certificate of Analysis Summary 311584

Sport Environmental Services, PLLC, Midland, TX

Project Name: BEPCO

Project Id: Poker Lake Unit 295

Contact: Debi Smith

Project Location: New Mexico

Date Received in Lab: Wed Sep-03-08 08 05 am


Report Date: 05-SEP-08

Project Manager: Brent Barron, II

<i>Analysis Requested</i>	<i>Lab Id</i>	311584-007	311584-008	311584-009	311584-010		
	<i>Field Id</i>	SEW-001	WEW-001	NEW-001	EEW-001		
	<i>Depth</i>	6 ft	6 ft	6 ft	6 ft		
	<i>Matrix</i>	SOIL	SOIL	SOIL	SOIL		
	<i>Sampled</i>	Sep-02-08 13 47	Sep-02-08 13 50	Sep-02-08 13 53	Sep-02-08 13 55		
TPH by EPA 418.1	<i>Extracted</i>						
	<i>Analyzed</i>	Sep-04-08 15 04	Sep-04-08 15 04	Sep-04-08 15 04	Sep-04-08 15 04		
	<i>Units/RL</i>	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL		
TPH, Total Petroleum Hydrocarbons		ND 10.2	ND 10.3	ND 10.2	ND 10.2		

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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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5757 NW 158th St, Miami Lakes, FL 33014
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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



Form 2 - Surrogate Recoveries

Project Name: BEPCO

Work Orders : 311584,

Project ID: Poker Lake Unit 295

Lab Batch #: 733054

Sample: 311584-001 / 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	0.0375	0.0300	125	80-120	**
4-Bromofluorobenzene	0.0306	0.0300	102	80-120	

Lab Batch #: 733054

Sample: 311584-002 / 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	0.0271	0.0300	90	80-120	

Lab Batch #: 733054

Sample: 311584-003 / 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	0.0370	0.0300	123	80-120	**
4-Bromofluorobenzene	0.0325	0.0300	108	80-120	

Lab Batch #: 733054

Sample: 311584-004 / 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	0.0364	0.0300	121	80-120	**
4-Bromofluorobenzene	0.0288	0.0300	96	80-120	

Lab Batch #: 733054

Sample: 311584-005 / 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	0.0363	0.0300	121	80-120	**
4-Bromofluorobenzene	0.0289	0.0300	96	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

Work Orders : 311584,

Project ID: Poker Lake Unit 295

Lab Batch #: 733054

Sample: 311584-006 / 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	0.0361	0.0300	120	80-120	
4-Bromofluorobenzene	0.0287	0.0300	96	80-120	

Lab Batch #: 733054

Sample: 311584-007 / 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	0.0284	0.0300	95	80-120	

Lab Batch #: 733054

Sample: 311584-008 / 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	0.0365	0.0300	122	80-120	**
4-Bromofluorobenzene	0.0281	0.0300	94	80-120	

Lab Batch #: 733054

Sample: 311584-009 / 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	0.0365	0.0300	122	80-120	**
4-Bromofluorobenzene	0.0304	0.0300	101	80-120	

Lab Batch #: 733054

Sample: 311584-010 / 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	0.0365	0.0300	122	80-120	**
4-Bromofluorobenzene	0.0281	0.0300	94	80-120	

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

*** Poor recoveries due to dilution

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

All results are based on MDL and validated for QC purposes



Form 2 - Surrogate Recoveries

Project Name: BEPCO

Work Orders : 311584,

Project ID: Poker Lake Unit 295

Lab Batch #: 733054

Sample: 311584-010 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 0288	0 0300	96	80-120	
4-Bromofluorobenzene	0 0271	0 0300	90	80-120	

Lab Batch #: 733054

Sample: 311584-010 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 0289	0 0300	96	80-120	
4-Bromofluorobenzene	0 0269	0 0300	90	80-120	

Lab Batch #: 733054

Sample: 515038-1-BKS / BKS

Batch: 1 Matrix: Solid

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 0284	0 0300	95	80-120	
4-Bromofluorobenzene	0 0255	0 0300	85	80-120	

Lab Batch #: 733054

Sample: 515038-1-BLK / BLK

Batch: 1 Matrix: Solid

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 0375	0 0300	125	80-120	**
4-Bromofluorobenzene	0 0273	0 0300	91	80-120	

Lab Batch #: 733054

Sample: 515038-1-BSD / BSD

Batch: 1 Matrix: Solid

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 0290	0 0300	97	80-120	
4-Bromofluorobenzene	0 0261	0 0300	87	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

Work Orders : 311584,

Project ID: Poker Lake Unit 295

Lab Batch #: 733057

Sample: 311580-001 S / MS

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	88.5	100	89	70-135	
o-Terphenyl	50.1	50.0	100	70-135	

Lab Batch #: 733057

Sample: 311580-001 SD / MSD

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	94.0	100	94	70-135	
o-Terphenyl	52.7	50.0	105	70-135	

Lab Batch #: 733057

Sample: 311584-001 / 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	90.7	100	91	70-135	
o-Terphenyl	49.2	50.0	98	70-135	

Lab Batch #: 733057

Sample: 311584-002 / 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	94.8	100	95	70-135	
o-Terphenyl	50.6	50.0	101	70-135	

Lab Batch #: 733057

Sample: 311584-003 / 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	85.7	100	86	70-135	
o-Terphenyl	47.5	50.0	95	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



Form 2 - Surrogate Recoveries

Project Name: BEPCO

Work Orders : 311584,

Project ID: Poker Lake Unit 295

Lab Batch #: 733057

Sample: 311584-004 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

SURROGATE RECOVERY STUDY					
TPH By SW8015 Mod	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Analytes					
1-Chlorooctane	95.4	100	95	70-135	
o-Terphenyl	51.5	50.0	103	70-135	

Lab Batch #: 733057

Sample: 311584-005 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

SURROGATE RECOVERY STUDY					
TPH By SW8015 Mod	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Analytes					
1-Chlorooctane	95.9	100	96	70-135	
o-Terphenyl	51.8	50.0	104	70-135	

Lab Batch #: 733057

Sample: 311584-006 / 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	95.3	100	95	70-135	
o-Terphenyl	51.5	50.0	103	70-135	

Lab Batch #: 733057

Sample: 311584-007 / 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	91.8	100	92	70-135	
o-Terphenyl	49.1	50.0	98	70-135	

Lab Batch #: 733057

Sample: 311584-008 / 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	95.3	100	95	70-135	
o-Terphenyl	51.4	50.0	103	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



Form 2 - Surrogate Recoveries

Project Name: BEPCO

Work Orders : 311584,

Project ID: Poker Lake Unit 295

Lab Batch #: 733057

Sample: 311584-009 / 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	91.4	100	91	70-135	
o-Terphenyl	49.3	50.0	99	70-135	

Lab Batch #: 733057

Sample: 311584-010 / 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	96.6	100	97	70-135	
o-Terphenyl	51.2	50.0	102	70-135	

Lab Batch #: 733057

Sample: 515046-1-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	92.1	100	92	70-135	
o-Terphenyl	51.5	50.0	103	70-135	

Lab Batch #: 733057

Sample: 515046-1-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	91.7	100	92	70-135	
o-Terphenyl	50.3	50.0	101	70-135	

Lab Batch #: 733057

Sample: 515046-1-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	94.8	100	95	70-135	
o-Terphenyl	52.8	50.0	106	70-135	

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

*** Poor recoveries due to dilution

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

All results are based on MDL and validated for QC purposes



Blank Spike Recovery

Project Name: BEPCO

Work Order #: 311584

Project ID: Poker Lake Unit 295

Lab Batch #: 733047

Sample: 733047-1-BKS

Matrix: Solid

Date Analyzed: 09/03/2008

Date Prepared: 09/03/2008

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	10.0	8.52	85	75-125	

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

All results are based on MDL and validated for QC purposes



BS / BSD Recoveries

Project Name: BEPCO

Work Order #: 311584

Analyst: ASA

Date Prepared: 09/03/2008

Project ID: Poker Lake Unit 295

Date Analyzed: 09/03/2008

Lab Batch ID: 733054

Sample: 515038-1-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 1013	101	0 1	0 1052	105	4	70-130	35	
Toluene	ND	0 1000	0 0989	99	0 1	0 1026	103	4	70-130	35	
Ethylbenzene	ND	0 1000	0 1021	102	0 1	0 1060	106	4	71-129	35	
m,p-Xylenes	ND	0 2000	0 2107	105	0 2	0 2190	110	4	70-135	35	
o-Xylene	ND	0 1000	0 0958	96	0 1	0 1003	100	5	71-133	35	

Analyst: ASA

Date Prepared: 09/04/2008

Date Analyzed: 09/04/2008

Lab Batch ID: 733159

Sample: 733159-1-BKS

Batch #: 1

Matrix: Solid

Units: mg/kg

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

TPH by EPA 418.1	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											
TPH, Total Petroleum Hydrocarbons	ND	2500	2480	99	2500	2460	98	1	65-135	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



BS / BSD Recoveries

Project Name: BEPCO

Work Order #: 311584

Analyst: IRO

Date Prepared: 09/03/2008

Project ID: Poker Lake Unit 295

Date Analyzed: 09/03/2008

Lab Batch ID: 733057

Sample: 515046-1-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	879	88	1000	884	88	1	70-135	35	
C12-C28 Diesel Range Hydrocarbons	ND	1000	929	93	1000	931	93	0	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

Work Order #: 311584

Lab Batch #: 733047

Date Analyzed: 09/03/2008

QC- Sample ID: 311575-001 S

Date Prepared: 09/03/2008

Batch #: 1

Project ID: Poker Lake Unit 295

Analyst: LATCOR

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	14.9	100	129	114	75-125	

Lab Batch #: 733159

Date Analyzed: 09/04/2008

QC- Sample ID: 311583-001 S

Date Prepared: 09/04/2008

Batch #: 1

Analyst: ASA

Matrix: Soil

Reporting Units: mg/kg

MATRIX / MATRIX SPIKE RECOVERY STUDY

TPH by EPA 418.1	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	%R [D]	Control Limits %R	Flag
Analytes						
TPH, Total Petroleum Hydrocarbons	ND	2560	2500	98	65-135	

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



Form 3 - MS / MSD Recoveries

Project Name: BEPCO

Work Order #: 311584

Project ID: Poker Lake Unit 295

Lab Batch ID: 733054

QC- Sample ID: 311584-010 S

Batch #: 1 Matrix: Soil

Date Analyzed: 09/03/2008

Date Prepared: 09/03/2008

Analyst: ASA

Reporting Units: mg/kg

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY

BTEx by EPA 8021B Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Benzene	ND	0.1015	0.0841	83	0.1015	0.0819	81	2	70-130	35	
Toluene	ND	0.1015	0.0797	79	0.1015	0.0779	77	3	70-130	35	
Ethylbenzene	ND	0.1015	0.0786	77	0.1015	0.0773	76	1	71-129	35	
m,p-Xylenes	ND	0.2031	0.1627	80	0.2031	0.1608	79	1	70-135	35	
o-Xylene	ND	0.1015	0.0752	74	0.1015	0.0748	74	0	71-133	35	

Lab Batch ID: 733057

QC- Sample ID: 311580-001 S

Batch #: 1 Matrix: Soil

Date Analyzed: 09/04/2008

Date Prepared: 09/03/2008

Analyst: IRO

Reporting Units: mg/kg

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
C6-C12 Gasoline Range Hydrocarbons	ND	1250	1050	84	1250	1090	87	4	70-135	35	
C12-C28 Diesel Range Hydrocarbons	46.1	1250	1130	87	1250	1190	92	6	70-135	35	

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

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

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



Sample Duplicate Recovery

Project Name: BEPCO

Work Order #: 311584

Lab Batch #: 733047

Date Analyzed: 09/03/2008

QC- Sample ID: 311575-001 D

Reporting Units: mg/kg

Project ID: Poker Lake Unit 295

Analyst: LATCOR

Batch #: 1

Matrix: Soil

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	14.9	12.9	14	20	

Lab Batch #: 733221

Date Analyzed: 09/04/2008

QC- Sample ID: 311580-001 D

Reporting Units: %

Date Prepared: 09/04/2008

Analyst: WRU

Batch #: 1

Matrix: Soil

SAMPLE / SAMPLE DUPLICATE RECOVERY					
Percent Moisture	Parent Sample Result [A]	Sample Duplicate Result [B]	RPD	Control Limits %RPD	Flag
Analyte					
Percent Moisture	20.2	20.5	2	20	

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

All Results are based on MDL and validated for QC purposes

A Xenco Laboratories Company

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

Phone 432-553-1800

Fax 432-563 1713

Project Name Poker Lake Unit 295
Project # _____
Project Loc New Mexico
PO # _____

Report Format ☒ Standard ☐ TRRP ☐ NPDES

e-mail deb@sportenwinnen.nl

LAB # (lab use only)		FIELD CODE		Beginning Depth	Ending Depth	Date Sampled	Time Sampled	Field used	Preservation & # of Containers		Matrix		Analyze For		RUSH TAT (Per Bureau) 24, 48, 72 hrs	
ORDER #													TCLP			
													TOTAL			
01	NEF1-001	10'	9-7-08	13 30	1	X										
02	NEF2-001	10'		13 32	1	X										
03	NEF3-001	10'		13 34	1	X										
04	SEF1-001	6'		13 38	1	X										
05	SEF2-001	6'		13 40	1	X										
06	SEF3-001	6'		13 42	1	X										
07	SEW-001	6'		13 44	1	X										
08	NEW-001	6'		13 50	1	X										
09	NEW-001	6'		13 53	1	X										
10	REW-001	6'	✓	13 55	1	X										

Special Instructions

Rush CL

Relinquished by	Date	Time	Received by	Date	Time
[Signature]	9-30-08	8:05			
Reinstated by	Date	Time	Received by	Date	Time
Relinquished by	Date	Time	Received by ELOT	Date	Time
			[Signature]	9-3-08	7:05

Laboratory Comments

Sample Containers intact

VOCs Free of Headspace?

Based on container(s) []

Customary seals on container(s) []

Customary seals on cooler(s) []

Sample Hand Delivered

by []

by []

by []

Temperature Upon Receipt

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

Client Sport Env
Date/ Time 9 3 08 8 05
Lab ID # 311584
Initials al

Sample Receipt Checklist

				Client Initials
#1 Temperature of container/ cooler?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	15 °C	
#2 Shipping container in good condition?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No		
#3 Custody Seals intact on shipping container/ cooler?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	Not Present	
#4 Custody Seals intact on sample bottles/ container?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	Not Present	
#5 Chain of Custody present?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No		
#6 Sample instructions complete of Chain of Custody?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No		
#7 Chain of Custody signed when relinquished/ received?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No		
#8 Chain of Custody agrees with sample label(s)?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	ID written on Cont / Lid	
#9 Container label(s) legible and intact?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	Not Applicable	
#10 Sample matrix/ properties agree with Chain of Custody?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No		
#11 Containers supplied by ELDT?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No		
#12 Samples in proper container/ bottle?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	See Below	
#13 Samples properly preserved?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	See Below	
#14 Sample bottles intact?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No		
#15 Preservations documented on Chain of Custody?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No		
#16 Containers documented on Chain of Custody?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No		
#17 Sufficient sample amount for indicated test(s)?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	See Below	
#18 All samples received within sufficient hold time?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	See Below	
#19 Subcontract of sample(s)?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	Not Applicable	
#20 VOC samples have zero headspace?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> 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 311939

for

Sport Environmental Services, PLLC

Project Manager: Debi Smith

BEPCO, L.P.

Poker Lake Unit #295

12-NOV-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**



12-NOV-08

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

Reference: XENCO Report No: **311939**
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 311939. 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. 311939 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

Recipient of the Prestigious Small Business Administration Award of Excellence in 1994.

Certified and approved by numerous States and Agencies

A Small Business and Minority Status Company that delivers SERVICE and QUALITY

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



Sample Cross Reference 311939



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

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
SEF1-002	S	Sep-05-08 08:30	10' ft	311939-001
NEW-002	S	Sep-05-08 08:45	6' ft	311939-002



Certificate of Analysis Summary 311939

Sport Environmental Services, PLLC, Midland, TX



Project Id: Poker Lake Unit #295

Contact: Debi Smith

Project Name: BEPCO, L.P.

Date Received in Lab: Mon Sep-08-08 07 35 am

Report Date: 12-NOV-08

Project Location:


Project Manager: Brent Barron, II

<i>Analysis Requested</i>	<i>Lab Id</i>	311939-001	311939-002				
	<i>Field Id</i>	SEF1-002	NEW-002				
	<i>Depth</i>	10' ft	6' ft				
	<i>Matrix</i>	SOIL	SOIL				
	<i>Sampled</i>	Sep-05-08 08 30	Sep-05-08 08 45				
Percent Moisture	<i>Extracted</i>						
	<i>Analyzed</i>	Nov-12-08 08 12	Nov-12-08 08 12				
	<i>Units/RL</i>	% RL	% RL				
Percent Moisture		10.3	3.15				

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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Version 1.004


Brent Barron
Odessa Laboratory Director



Certificate of Analysis Summary 311939

Sport Environmental Services, PLLC, Midland, TX

Project Name: BEPCO, L.P.



Project Id: Poker Lake Unit #295

Contact: Debi Smith

Date Received in Lab: Mon Sep-08-08 07 35 am

Report Date: 12-NOV-08

Project Location:

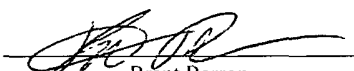
Project Manager: Brent Barron, II

<i>Analysis Requested</i>	<i>Lab Id</i>	311939-001	311939-002				
	<i>Field Id</i>	SEF1-002	NEW-002				
	<i>Depth</i>	10' ft	6' ft				
	<i>Matrix</i>	SOIL	SOIL				
	<i>Sampled</i>	Sep-05-08 08 30	Sep-05-08 08 45				
Anions by EPA 300/300.1	<i>Extracted</i>	Sep-08-08 10 52	Sep-08-08 10 52				
	<i>Analyzed</i>						
	<i>Units/RL</i>	mg/kg RL	mg/kg RL				
Chloride		156 10 0	344 10 0				

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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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(305) 823-8500	(305) 823-8555
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Blank Spike Recovery



Project Name: BEPCO, L.P.

Work Order #: 311939

Project ID: Poker Lake Unit #295

Lab Batch #: 733505

Sample: 733505-1-BKS

Matrix: Solid

Date Analyzed: 09/08/2008

Date Prepared: 09/08/2008

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	10.0	9.51	95	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 #: 311939

Lab Batch #: 733505

Date Analyzed: 09/08/2008

QC- Sample ID: 311939-001 S

Reporting Units: mg/kg

Project ID: Poker Lake Unit #295

Analyst: LATCOR

Date Prepared: 09/08/2008

Batch #: 1

Matrix: Soil

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	156	200	400	122	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 #: 311939

Lab Batch #: 733505

Date Analyzed: 09/08/2008

QC- Sample ID: 311939-001 D

Reporting Units: mg/kg

Date Prepared: 09/08/2008

Batch #: 1

Project ID: Poker Lake Unit #295

Analyst: LATCOR

Matrix: Soil

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	156	155	1	20	

Lab Batch #: 739885

Date Analyzed: 11/12/2008

QC- Sample ID: 311939-001 D

Reporting Units: %

Date Prepared: 11/12/2008

Batch #: 1

Analyst: WRU

Matrix: Soil

SAMPLE / SAMPLE DUPLICATE RECOVERY					
Percent Moisture	Parent Sample Result [A]	Sample Duplicate Result [B]	RPD	Control Limits %RPD	Flag
Analyte					
Percent Moisture	10.3	9.81	5	20	

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

Environmental Lab of Texas

A Xenco Laboratories Company

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

12600 West I-20 East
Odessa, Texas 79765

Phone 432-563-1800
Fax 432-563-1713

Project Manager Debi Sport Smith

Project Name BEPCO L P

Company Name Sport Environmental Services

Project # Poker Lake Unit #295

Company Address 502 North Big Spring Street

Project Loc _____

City/State/Zip Midland Texas 79701

PO #

Telephone No 432-683-1100 *P* Fax No 888-500-0622

Report Format ☒ Standard ☐ TRRP ☐ NPDES

Sampler Signature  e-mail debi@sportenvironmental.com

e-mail debi@sportenvironmental.com[illegible]

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

Client Sport Env Svcs
Date/ Time 09/08/08 7:35 am
Lab ID # 311939
Initials gm

Sample Receipt Checklist

			Client Initials
#1 Temperature of container/ cooler?	(Yes)	No	12.5 °C
#2 Shipping container in good condition?	Yes	No	NA
#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

Gracie Avalos

From: Sharon Longstreet [sharon@sportenvironmental.com]
Sent: Tuesday, November 11, 2008 2:21 PM
To: gracie.avalos@xenco.com; andrea.lam@xenco.com
Cc: brent.barron@xenco.com; Debi Smith
Subject: Analytical Report corrections requested

Gracie or Andrea,

I'm not sure which one of you to ask. We need a few corrections to two of the Analytical Reports we have received.

Analytical Report 311939 (For BEPCO, L.P. Poker Lake Unit #295)
The second sample NEW-002 (Lab ID sample 311939-002) the sample depth given is 16' it should be 6'. Please make the correction and resend the report.

Analytical Report 316318 (For BEPCO, L.P. Poker Lake Unit #290)
This is a second round of sampling at this site. There is no "% Moisture" data given - this is needed on our report. Please add the % Moisture readings to the report and resend.

Thank you,

Sharon Longstreet
Environmental Technician
SPORT ENVIRONMENTAL SERVICES



SHARON LONGSTREET
Environmental Technician
Sport Environmental Services, PLLC
502 North Big Spring Street
Midland, Texas 79701
sharon@sportenvironmental.com
Business 432.683.1100
Fax 888.500.0622

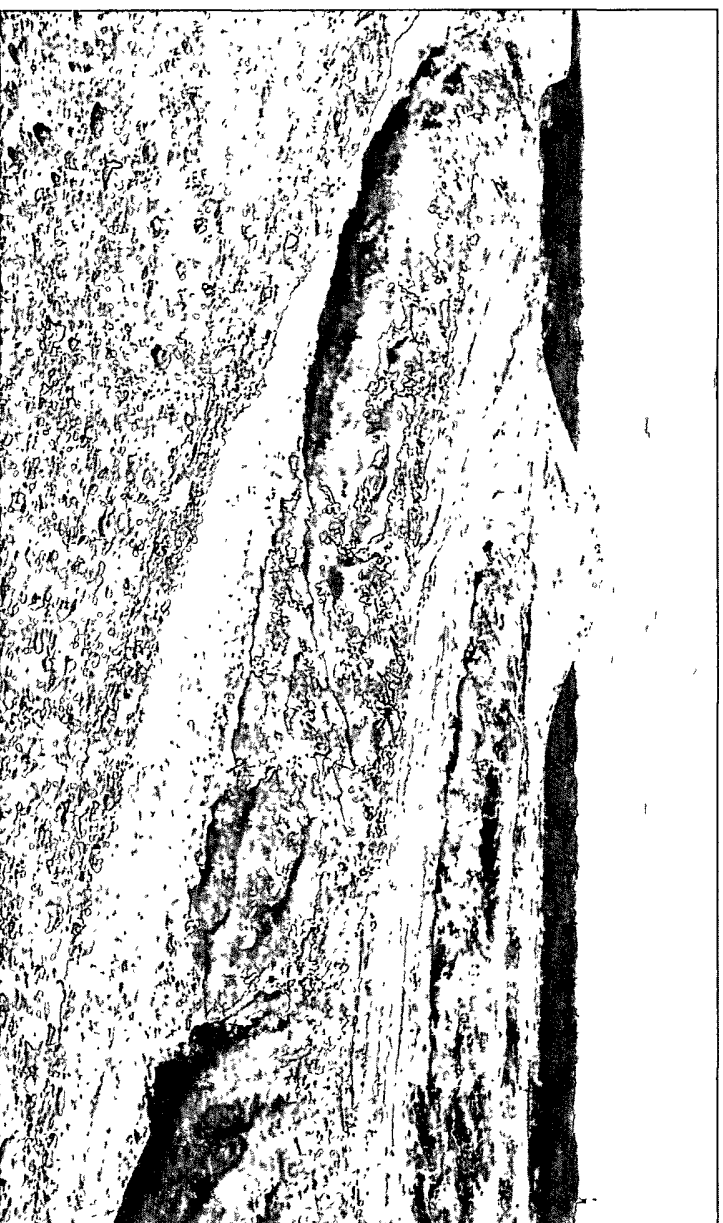
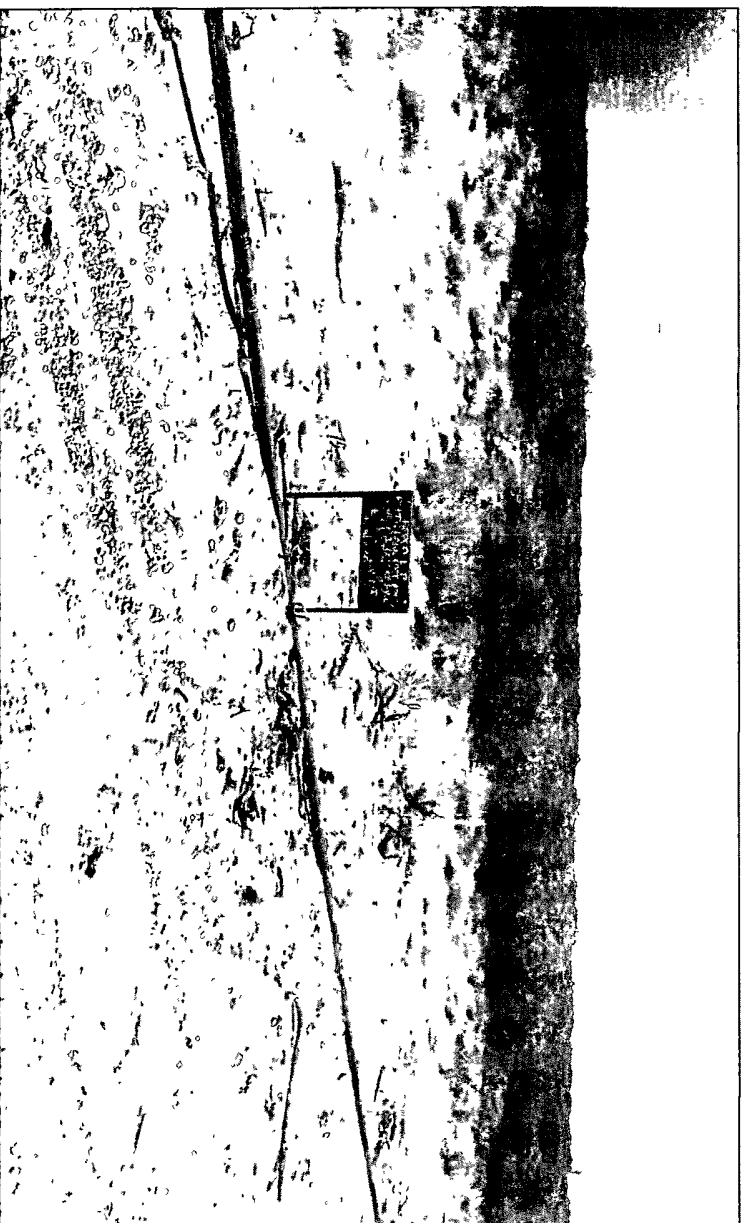
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11/11/2008

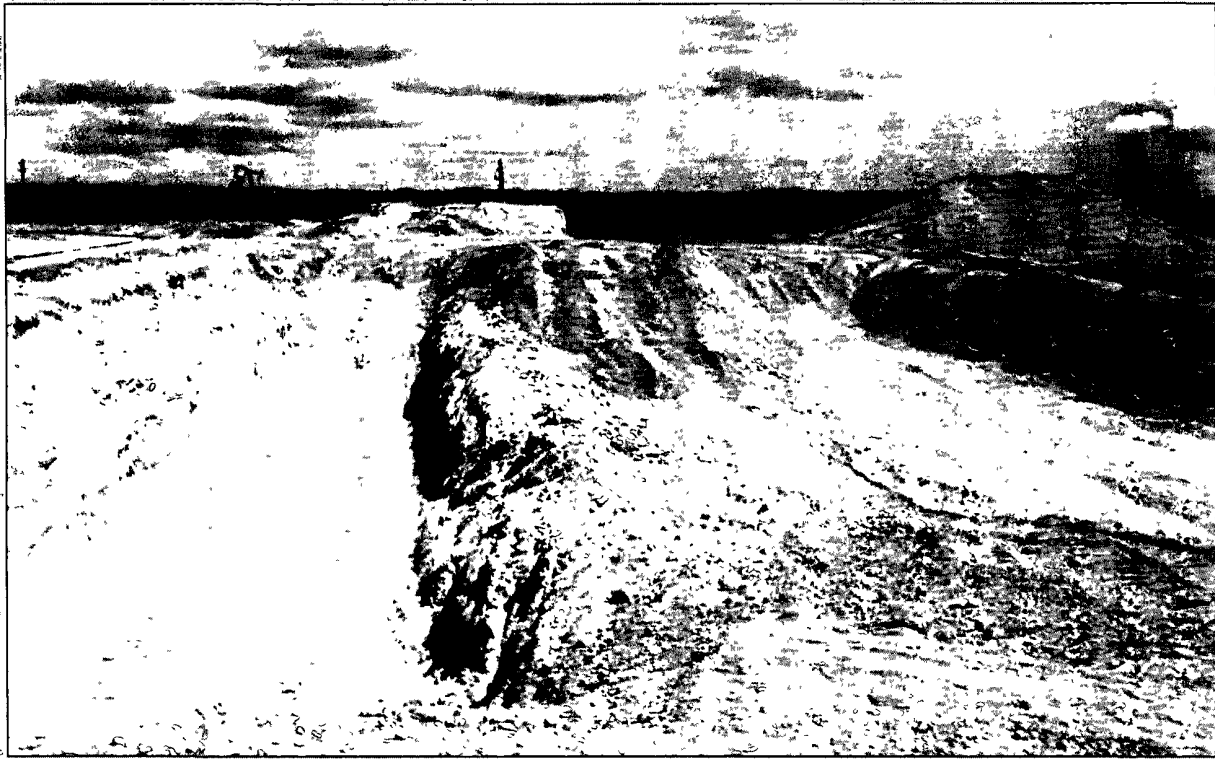
BEPCO, L.P.
dba Bass Enterprises Production Co.
Poker Lake Unit #295
Section 19, T-24-S, R-30-E
Eddy County, New Mexico

SITE PHOTOGRAPHS
TAKEN SEPTEMBER 2, 2008
Poker Lake Unit #295

BEP CO, LP – Poker Lake Unit #295
Site Photographs taken September 2, 2008
(p. 1 of 3)



BEPCO, LP - Poker Lake Unit #295
Site Photographs taken September 2, 2008
(p. 2 of 3)



BEPCO, LP – Poker Lake Unit #295
Site Photographs taken September 2, 2008
(p. 3 of 3)

