District I
1625 N French Dr , Hobbs, NM 88240
District II
1301 W Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S St. Francis Dr , Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources Department
Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-144
June 24, 2008

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

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

opened under Rule 50
AUG 27 2008
OCD-ARTESIA

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

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

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

Operator: **BEPCO, L.P.** OGRID #: **001801**

Address: **P.O. BOX 2760 Midland, TX 79702**

Facility or well name: **Big Eddy Unit #171**

API Number: **30-015-35591** OCD Permit Number:

U/L or Qtr/Qtr **SWNW** Section **25** Township **22S** Range **28E** County: **Eddy**

Center of Proposed Design: Latitude **N 32.361389** Longitude **W 104.047306** NAD: ☐ 1927 ☐ 1983

Surface Owner: ☒ Federal ☐ State ☐ Private ☐ Tribal Trust or Indian Allotment

Data indicates Ground Water may be encountered at less than 100'. Proposal for onsite trench burial of pit contents is denied.

☒ **Pit:** Subsection F or G of 19.15.17.11 NMAC

Temporary: ☒ Drilling ☐ Workover

☐ Permanent ☐ Emergency ☐ Cavitation ☐ Steel Pit

☒ Lined ☐ Unlined

Liner type: Thickness **20 mil** ☒ LDPE ☐ HDPE ☐ PVC

☐ Other _____ ☐ String-Reinforced

Seams: ☐ Welded ☐ Factory ☐ Other _____

Volume: 12,500 bbl Dimensions: L_____ x W_____ x D_____

☐ **C** NMAC

☐ D

☐ Li

Liner t _____mil ☐ LLDPE ☐ HDPE ☐ PVC

☐ Other _____

Seams: ☐ Welded ☐ Factory ☐ Other _____

Volume: _____bbl _____yd³

Dimensions: Length_____ x Width_____

☐ **Below-grade tank:** Subsection I of 19.15.17.11 NMAC

Volume: _____bbl

Type of fluid: _____

Tank Construction material: _____

☐ Secondary containment with leak detection

☐ Visible sidewalls, liner, 6-inch lift and automatic overflow shut-off

☐ Visible sidewalls and liner

☐ Visible sidewalls only

☐ Other _____

Liner type: Thickness _____mil ☐ HDPE ☐ PVC

☐ Other _____

Fencing: Subsection D of 19.15.17.11 NMAC

☐ Chain link, six feet in height, two strands of barbed wire at top

☒ Four foot height, four strands of barbed wire evenly spaced between one and four feet

Netting: Subsection E of 19.15.17.11 NMAC

☐ Screen ☐ Netting ☐ Other _____

☐ Monthly inspections

Signs: Subsection C of 19.15.17.11 NMAC

☒ 12"x24", 2" lettering, providing Operator's name, site location, and emergency telephone numbers

☒ Signed in compliance with 19.15.3.103 NMAC

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

Administrative Approvals and Exceptions:
Justifications and/or demonstrations of equivalency are required. Please refer to 19.15.17 NMAC for guidance.

Please check a box if one or more of the following is requested, if not leave blank:

☐ Administrative approval(s): Requests must be submitted to the appropriate division district or the Santa Fe Environmental Bureau office for consideration of approval.

☐ Exception(s): Requests must be submitted to the Santa Fe Environmental Bureau office for consideration of approval.

denial

Siting Criteria (regarding permitting): 19.15.17.10 NMAC

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

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

Temporary Pits, Emergency Pits, and Below-grade Tanks Permit Application Attachment Checklist: Subsection B of 19.15.17.9 NMAC

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

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

☒ Previously Approved Design (attach copy of design) API Number: **30-015-35591** or Permit Number: _____

Closed-loop Systems Permit Application Attachment Checklist: Subsection B of 19.15.17.9 NMAC

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

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

NMAC

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

Permanent Pits Permit Application Checklist: Subsection B of 19.15.17.9 NMAC

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

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

Proposed Closure: 19.15.17.13 NMAC

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

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

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

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

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

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

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

Disposal Facility Name: _____ Disposal Facility Permit Number: _____

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

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

Operator Application Certification:

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

Name (Print): **Annette Childers** Title: **Administrative Assistant**

Signature: Annette Childers Date: 8-26-08

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

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

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

Title: DENIED

Data indicates Ground Water may be encountered at less than 100'. Proposal for onsite trench burial of pit contents is denied.

Permit Number: _____

Closure Report (required within 60 (5.17.13 NMAC

☐ **Closure Completion Date:** _____

Closure Method:

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

☐ If different from approved plan, please explain.

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

- ☐ Proof of Closure Notice
- ☐ Proof of Deed Notice (if applicable)
- ☐ Plot Plan
- ☐ Confirmation Sampling Analytical Results
- ☐ Waste Material Sampling Analytical Results
- ☐ 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

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 Assistant**

Signature: Annette Childers Date: 8-26-08

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

BEPCO, L.P.
Big Eddy Unit #171
Section 25, T-22-S, R-28-E
Eddy County, NM

API# 30-015-35591

SITING CRITERIA

Satellite images, iWATERS database search and topographic maps are attached to prove compliance with 19.15.17.10 NMAC SITTING REQUIREMENTS.

CONSTRUCTION AND DESIGN OF BURIAL TRENCH

The on-site trench shall have a properly constructed foundation and side walls consisting of a firm, unyielding base, free of rocks, debris, sharp edges or irregularities to prevent the liner from rupturing or tearing. The properly constructed pit will consist of the following dimensions 250' x 150' x 20' and will contain a 20 mil LDPE or greater pit liner. The outer edges of the liner will be secured for the placement of the excavated waste material into the trench and the outer edges of the trench liner will overlap the waste material prior to the proper installation of the geomembrane cover.

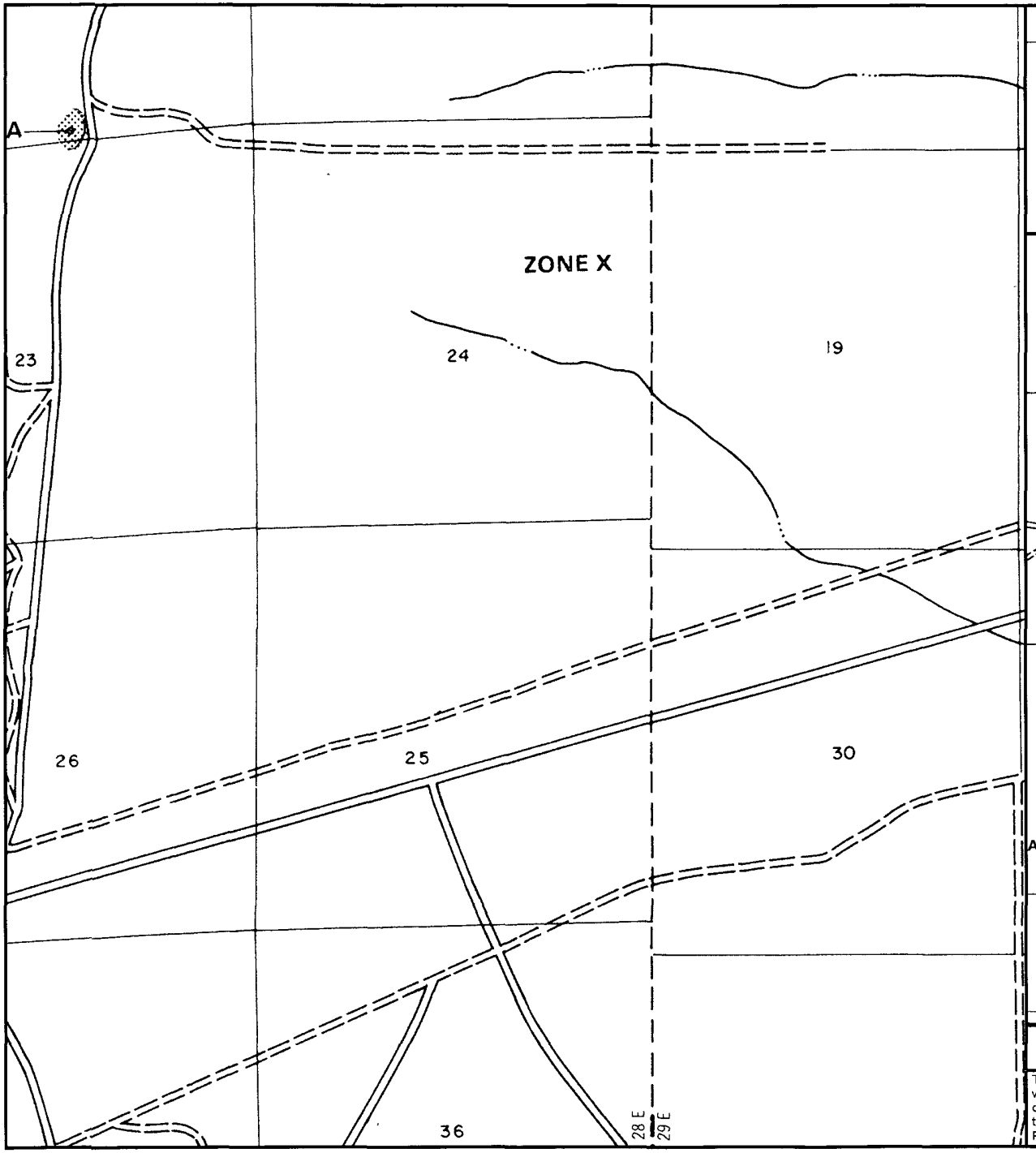
CONFIRMATION SAMPLING PLAN

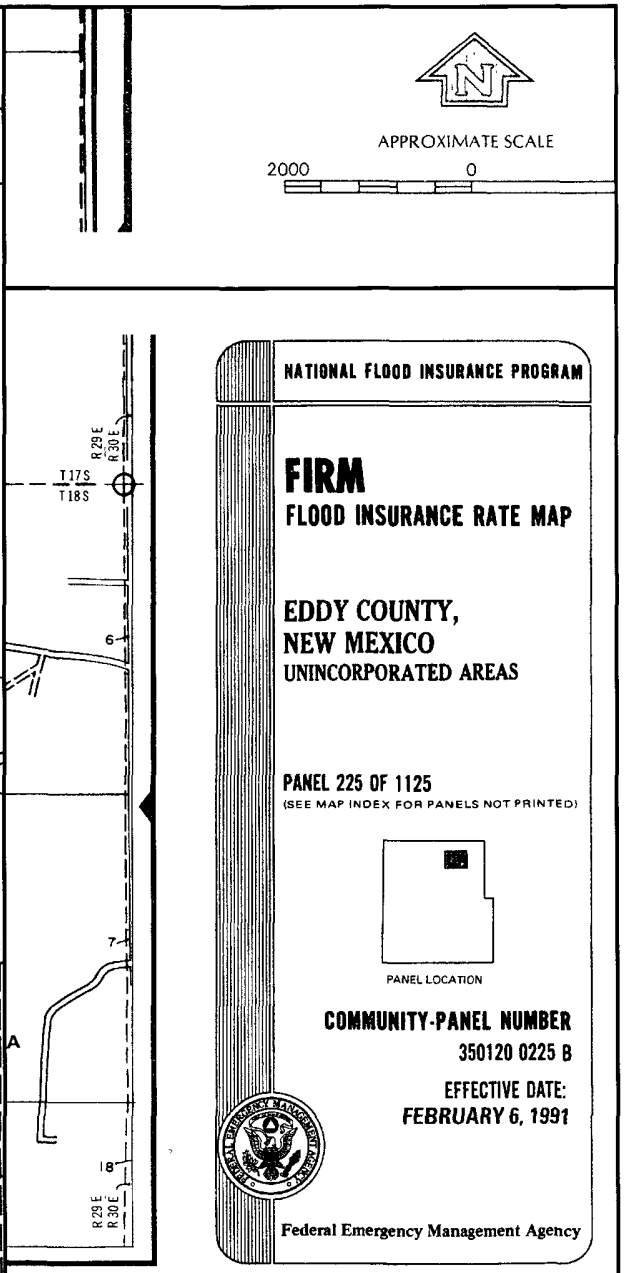
A five point aliquot soil sample will be collected from the excavation floor and walls. To ensure the soil does not exceed acceptable concentrations of Benzene (EPA SW-846 method 8021B or 8260B), Total BTEX (EPA SW-846 Method 8021B or 826B), TPH (EPA SW-843 method 418.1), GRO and DRO combined fraction (EPA SW 846 method 8015M0), and Chlorides (EPA method 300.1). After sampling program is completed, the temporary pit will be backfilled with native, earthen material, contoured and re-vegetated, described in attached SITE RECLAMATION PLAN.

WASTE MATERIAL SAMPLING PLAN

Prior to placing the contents from the temporary pit into the on-site burial trench, the contents shall be stabilized or solidified to a bearing capacity sufficient to support the final cover of the trench burial. The contents of the temporary pit will be mixed with soil at a ratio no greater than 3:1. After the treatment or stabilization of the pit content, a five point, composite sample will be obtained to demonstrate that the contents do not exceed acceptable concentrations of Benzene (EPA SW-846 method 8021B or 8260B), Total BTEX (EPA SW-846 Method 8021B or 826B), TPH (EPA SW-843 method 418 1), GRO and DRO combined fraction (EPA SW 846 method 8015M0), and Chlorides (EPA method 300 1). Due to the ground water depth >100', chloride limitations will be 1000 ppm. Plan B. After the waste material sampling has been completed and the results do not meet afore mentioned sampling guidelines, the material shall be removed and shipped to Controlled Recovery, Inc.

Refer to 19.15.17.13
F.(3)(c)(d)(e)





APPROXIMATE SCALE

2000 0

NATIONAL FLOOD INSURANCE PROGRAM

FIRM

FLOOD INSURANCE RATE MAP

EDDY COUNTY, NEW MEXICO

UNINCORPORATED AREAS

PANEL 225 OF 1125

(SEE MAP INDEX FOR PANELS NOT PRINTED)

PANEL LOCATION

COMMUNITY-PANEL NUMBER

350120 0225 B

EFFECTIVE DATE:

FEBRUARY 6, 1991

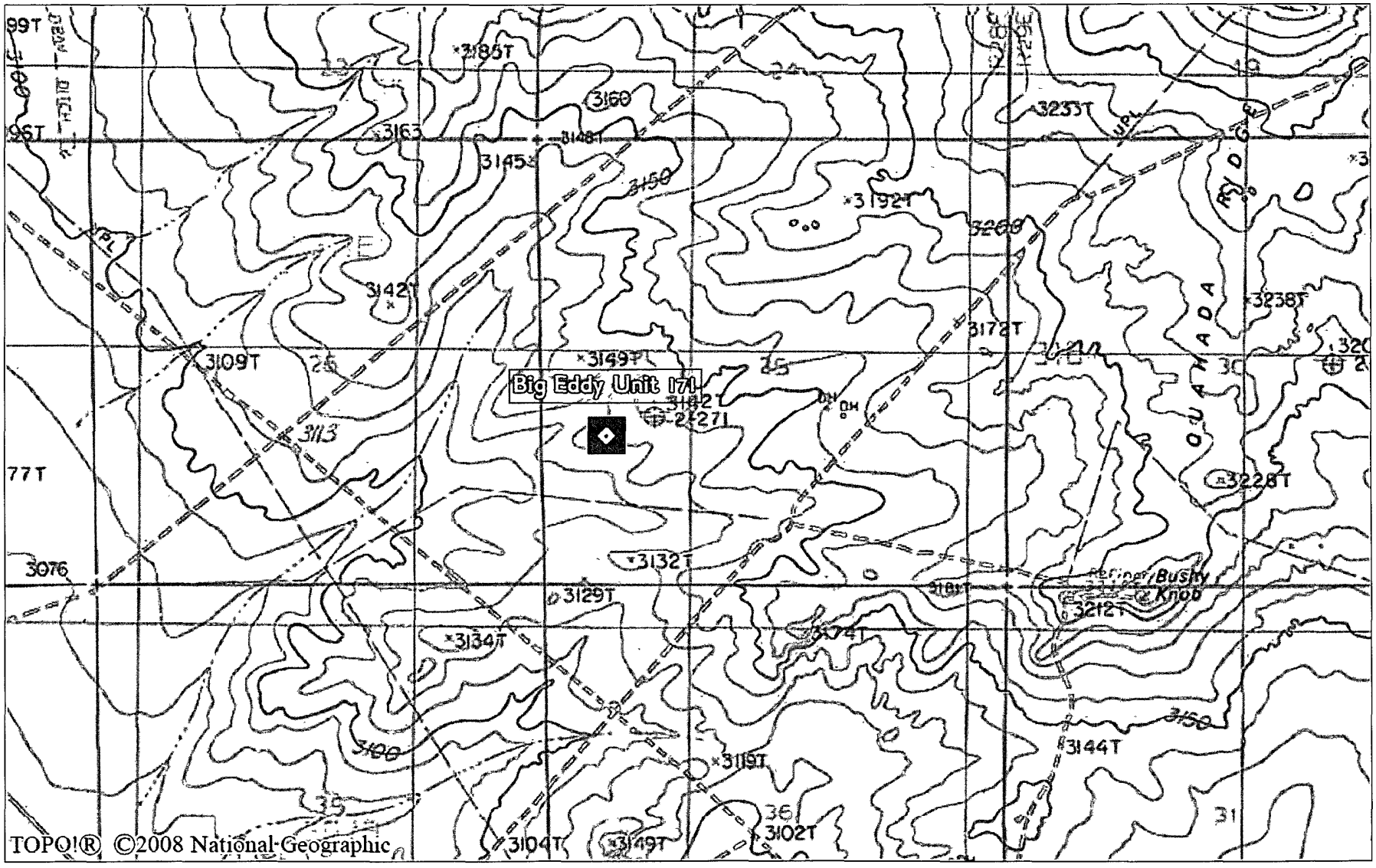
Federal Emergency Management Agency

BEPCO, L.P.
Big Eddy Unit #171
Section 25, Township 22S, Range 28E
Eddy County, New Mexico

FEMA 100 YEAR FLOOD PLAIN

July 8, 2008

Drawing Not To Scale



NAT GEO MAPS

0 5 1 MILES

1000 0 1000 2000 3000 4000 5000 FEET

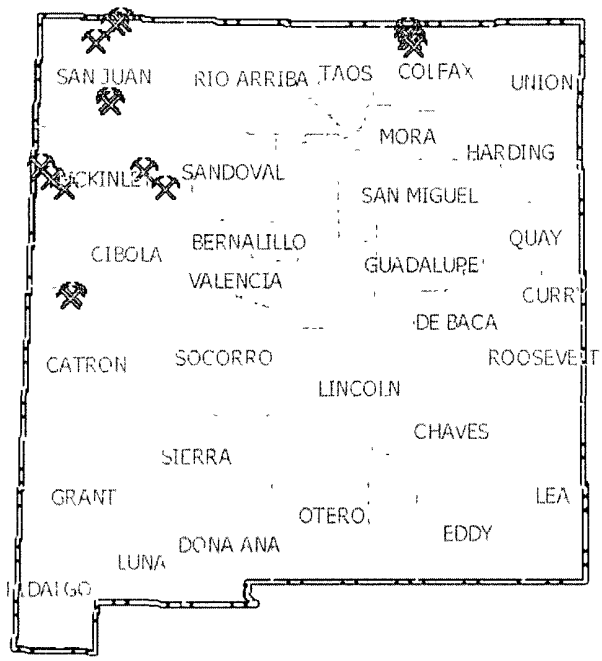
1 .5 0 KILOMETERS 1

1000 0 METERS 1000

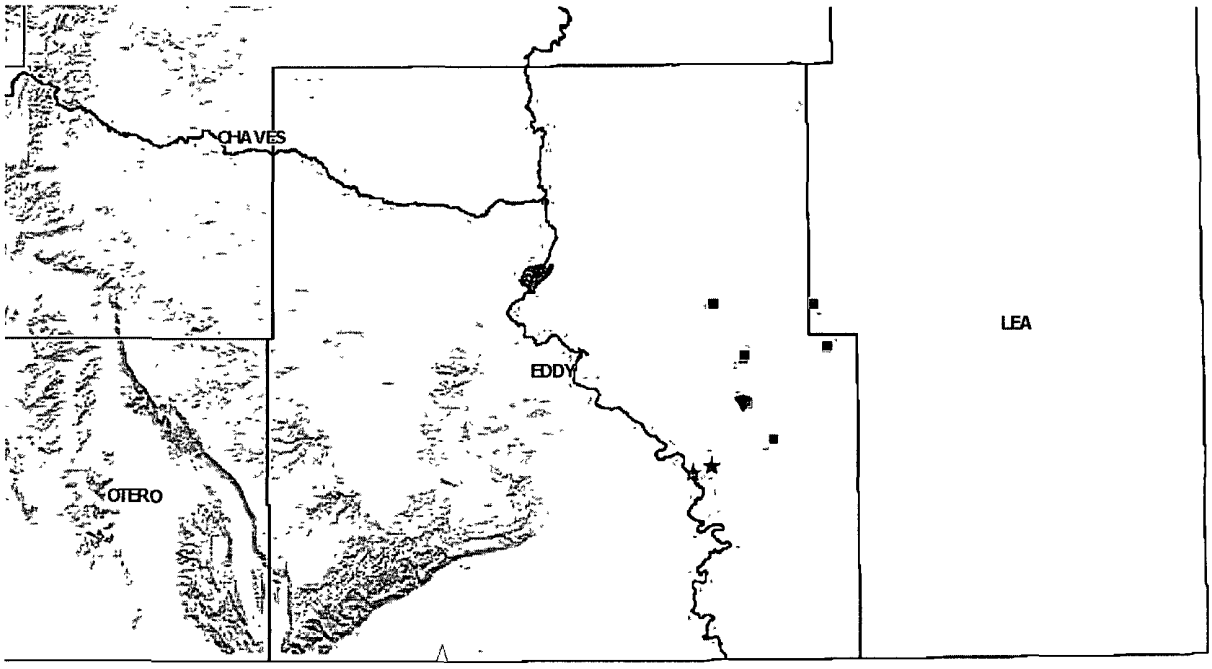
NEW MEXICO ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

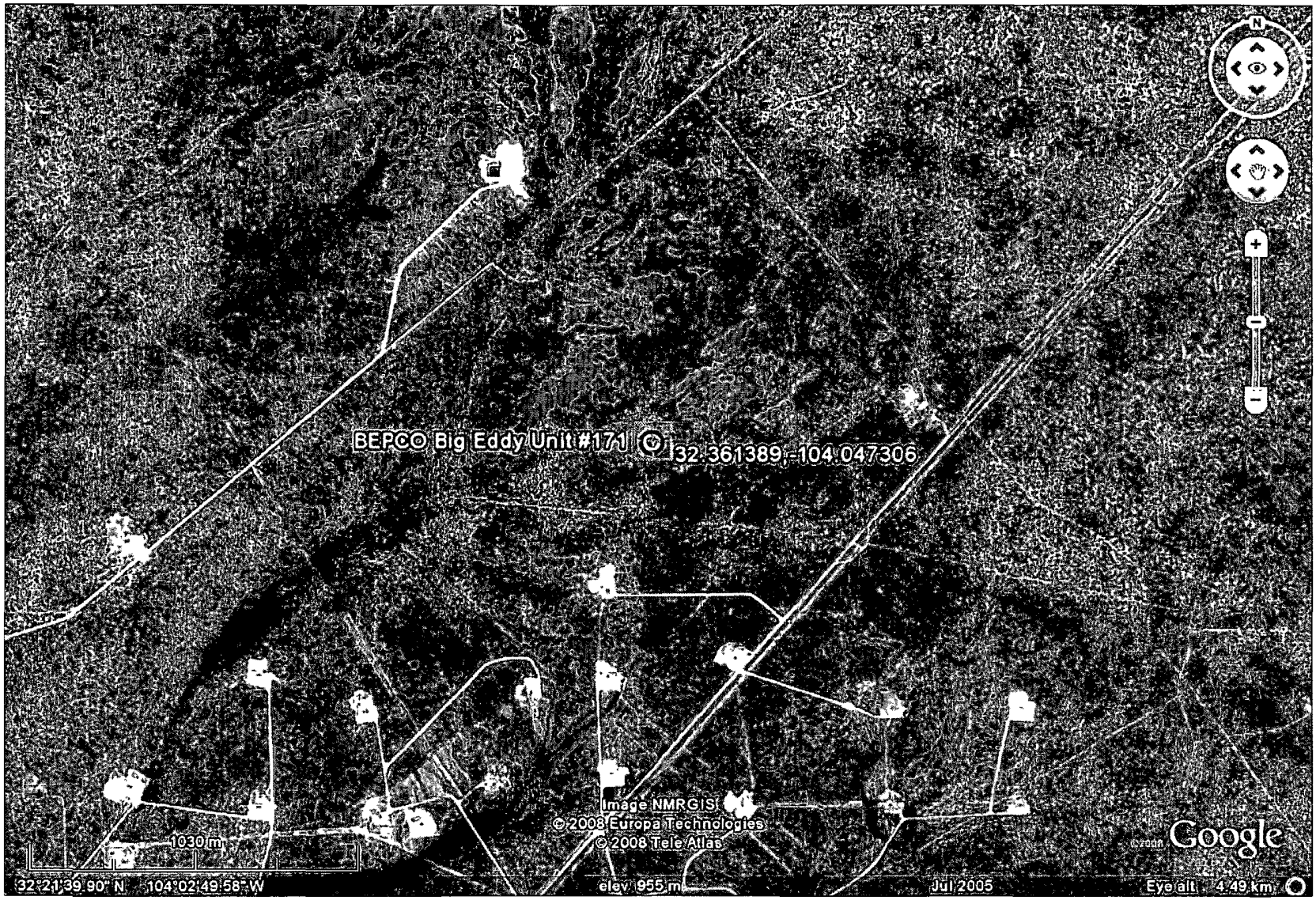
MINING AND MINERALS DIVISION

Coal Mine Locations



Mines, Mills and Quarries Locations





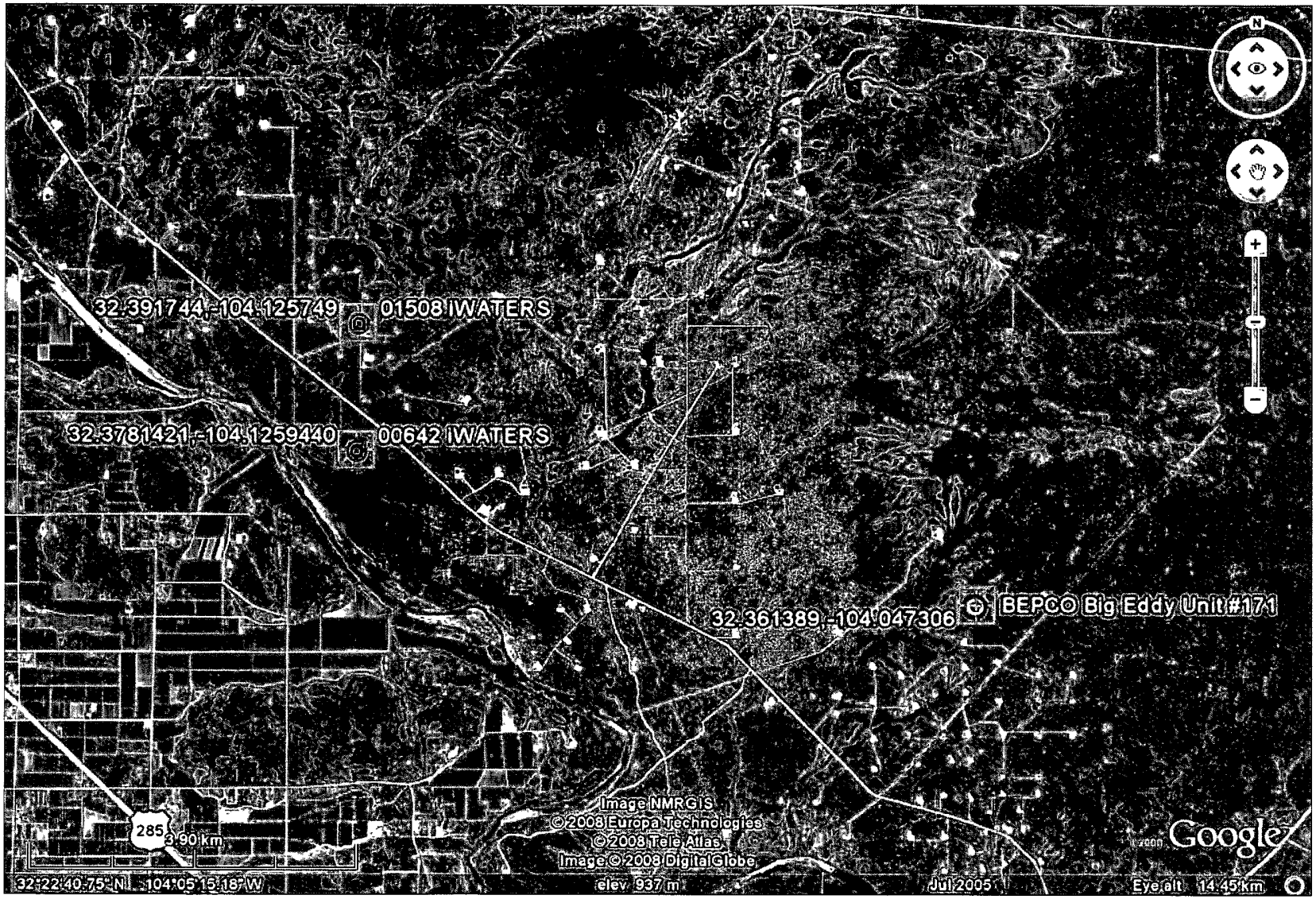
SPORT ENVIRONMENTAL SERVICES

BEPCO, L.P.
Big Eddy Unit #171
Section 25, Township 22S, Range 28E
Eddy County, New Mexico

SATELLITE IMAGE

July 15, 2008

Drawing Not To Scale



BEPCO, L.P.
Big Eddy Unit #171
Section 25, Township 22S, Range 28E
Eddy County, New Mexico

WATER WELL LOCATIONS

July 15, 2008

Drawing Not To Scale

New Mexico Office of the State Engineer
POD Reports and Downloads

Township 22S Range 28E Sections 1-30

NAD27 X Y Zone ☐ Search Radius

County ☐ Basin ☐ Number Suffix

Owner Name (First) (Last) ○Non-Domestic ○Domestic ◉All

POD / Surface Data Report | Avg Depth to Water Report | Water Column Report

Clear Form | iWATERS Menu | Help

POD / SURFACE DATA REPORT 07/07/2008

(quarters are 1=NW 2=NE 3=SW 4=SE)
(quarters are biggest to smallest

DB File Nbr	Use	(acre ft per annum) Diversion	Owner	POD Number	Source	Tws	Rng	Sec	q q q	X Y are in Feet Zone	X	Y	UTM are in Meters) UTM Zone	Easting	Northing	Start Date	Finish Date	Depth Well	Depth (in fe Water
C 00035	IRR	0	SPENCE R T	C 00035	Shallow	22S	28E	32	3 3 3				13	583127	3578762	06/01/1948	06/10/1948	146	
C 00035 A	IRR	0	KELLEY P O	C 00035	Shallow	22S	28E	32	3 3 3				13	583127	3578762	06/01/1948	06/10/1948	146	
C 00036	IRR	0	R T SPENCE	C 00036	Shallow	22S	28E	32	2 3 3				13	583916	3579583	08/02/1948	10/13/1948	106	
C 00052	IRR	0	LOPEZ CRUZ R	C 00052		22S	28E	30	4 4 3				13	582707	3580371				
C 00212	IRR	794.46	HAROLD FAULK	C 00212	Shallow	22S	28E	32	3 3 3				13	583127	3578762	06/04/1957	03/31/1947	146	30
				C 00213	Shallow	22S	28E	32	1 4 1				13	583517	3579775	02/04/1965	02/20/1965	200	35
C 00213	IRR	0	HAROLD FAULK	C 00212	Shallow	22S	28E	32	3 3 3				13	583127	3578762	06/04/1957	03/31/1947	146	30
				C 00213	Shallow	22S	28E	32	1 4 1				13	583517	3579775	02/04/1965	02/20/1965	200	35
C 00214	IRR	0	HAROLD FAULK	C 00214		22S	28E	32	3 3 2				13	583327	3579962		12/31/1946	200	
C 00236	DOM	3	HAROLD FAULK	C 00236	Shallow	22S	28E	32	3 2 2				13	583723	3579372			80	39
C 00434	IRR	0	SPENCE R T	C 00434		22S	28E	32	3 1				13	583223	3579265				
C 00642	DOM	0	VALLEY LAND CO	C 00642	Shallow	22S	28E	19					13	582220	3582687			200	
C 00815	EXP	0	VALLEY LAND CO	C 00815		22S	28E	30	2 1				13	582398	3581680				
C 00816	EXP	0	VALLEY LAND CO	C 00816		22S	28E	30	2 3				13	582402	3581277				
C 00817	EXP	0	VALLEY LAND CO	C 00817		22S	28E	30	2 2				13	582794	3581680				
C 01206	IRR	0	CRUZ P LOPEZ	C 01206		22S	28E	30	4 4				13	582808	3580472				
C 01405	DOM	3	CRUZ R LOPEZ	C 01405		22S	28E	30	4 4 4				13	582907	3580371				
C 01457	IRR	0	LOPEZ CRUZ R	C 01457		22S	28E	30	4 4				13	582808	3580472				
C 01508	PPO	3	AMOCO PRODUCTION COMPANY	C 01508	Shallow	22S	28E	18	4 1 1				13	582206	3584195	08/24/1973	08/25/1973	180	
C 01819	EXP	0	CITY OF CARLSBAD	C 01819 M		22S	28E	29	2 1 1				13	583878	3581796				
				C 01819 M-2		22S	28E	29	3 1 1				13	583100	3580974				
				C 01819 M-3		22S	28E	29	3 2 1				13	583497	3580983				
				C 01819 M-4		22S	28E	29	4 1 4				13	584094	3580791				
				C 01819 M-5		22S	28E	28	3 3 1				13	581698	3580604				
				C 01819 M-6		22S	28E	32	2 2 2				13	584510	3580134				
				C 01819 M-7		22S	28E	33	1 4 1				13	585119	3579801				
				C 01819 M-8		22S	28E	29	1 3 4				13	583295	3581177				
				C 01819 M-9		22S	28E	30	2 1 3				13	582297	3581579				
C 02005	STK	3	SAMMY & ANN CLARK	C 02005		22S	28E	02	1 1 1				13	587908	3588317				
C 02006	STK	3	SAMMY & ANN CLARK	C 02006		22S	28E	09	3 2 3				13	585023	3585647				
C 02010	STK	3	HENRY H GRANDI	C 02010		22S	28E	15	3 4				13	586763	3583748				
C 02578	DOM	0	PATRICK AND CAROLE EDEAL	C 02578		22S	28E	13	1 2 2				13	590114	3585090			150	
C 02840	EXP	0	BRANTLEY BROS	C 02840		22S	28E	31	1 3 2				13	581721	3579758			220	
C 03040	DOM	3	BRANTLEY FARMS	C 03040	Shallow	22S	28E	31	1 3 4				13	581658	3579603	03/15/2004	03/17/2004	72	42
C 03094	DOM	3	HAROLD FAULK	C 03094	Shallow	22S	28E	32	1 3 3				13	583117	3579567	11/24/2004	11/28/2004	138	53
C 03101	PPO	0	MEWBOURNE OIL CO	C 03040	Shallow	22S	28E	31	1 3 4				13	581658	3579603	03/15/2004	03/17/2004	72	42
C 03131	PPO	0	NADEL & GUSSMAN OIL	C 03131		22S	28E	32	3 3 3				13	583127	3578762				
C 03135	PRO	0	PATTERSON DRILLING	C 03040	Shallow	22S	28E	31	1 3 4				13	581658	3579603	03/15/2004	03/17/2004	72	42
C 03184	DOM	3	DAVID FAULK	C 03184	Shallow	22S	28E	32	2 3 3				13	583916	3579533	09/29/2006	10/02/2006	157	30
C 03191	PPO	0	NADEL & GUSSMAN	C 00212	Shallow	22S	28E	32	3 3 3				13	583127	3579762	06/04/1957	03/31/1947	146	30
C 03278	PRO	0	NADEL AND GUSSMAN PERMIAN LLC	C 03040	Shallow	22S	28E	31	1 3 4				13	581659	3579603	03/15/2004	03/17/2004	72	42
C 03331	STK	3	BRANTLEY BROS	C 03331 POD1		22S	28E	31	2 1 4				13	582510	3579966				
C 03334	PPO	0	MEWBOURNE OIL	C 03040	Shallow	22S	28E	31	1 3 4				13	581658	3579603	03/15/2004	03/17/2004	72	42
C 03382	PPO	0	NOVA MUD	C 03040	Shallow	22S	28E	31	1 3 4				13	581658	3579603	03/15/2004	03/17/2004	72	42

Record Count 44

SITE RECLAMATION PLAN

RECLAMATION OBJECTIVE

(This reclamation objective is in accordance with Surface Operating Standards and Guidelines for Oil and Gas Exploration and Development: Based upon the appropriate requirements of 19.15.17.13 NMAC)

Oil and gas development is one of many uses of the public lands and resources While development may have a short- or long-term effect on the land, successful reclamation can insure the effect is not permanent. At final abandonment, well locations, production facilities, and access roads must undergo "final" reclamation so that the character and productivity of the land and water are restored.

The long-term objective of final reclamation is to set the course for eventual ecosystem restoration, including the restoration of the natural vegetation community, hydrology, and wildlife habitats. In most cases, this means returning the land to a condition approximating or equal to that which existed prior to the disturbance.

The reclamation process involves restoring the original landform or creating a landform that approximates and blends in with the surrounding landform. It also involves revegetating disturbed areas to native species, controlling erosion, controlling invasive non-native plants and noxious weeds, and monitoring results

Reclamation generally can be judged successful when a self-sustaining, vigorous, diverse, native (or otherwise approved) plant community is established on the site, with a plant density sufficient to control erosion and non-native plant invasion and to re-establish wildlife habitat or forage production. Erosion control is generally sufficient when adequate groundcover is reestablished, water naturally infiltrates into the soil, and gullying, headcutting, slumping, and deep or excessive rilling is not observed. The site must be free of State- or county-listed noxious weeds, oilfield debris, contaminated soil, and equipment.

RECLAMATION PLAN

A reclamation plan is included in the Surface Use Plan of Operations and should discuss plans for final reclamation. Reclamation is required of any surface previously disturbed The operator should submit a new plan with the Notice of Intent to Abandon (NIA) or Subsequent Report Plug and Abandon (SRA) using the Sundry Notices and Reports on Wells Form 3160-5 when abandoning wells and other facilities that do not have an approved reclamation plan Additional reclamation measures may be required based on the conditions existing at the time of abandonment and made a part of the conditions of approval of the NIA or SRA. Earthwork for final reclamation generally must be completed within 6 months of plugging.

Pit Reclamation The site will be reclaimed to a natural condition that blends with the rest of the reclaimed pad area In addition, the reclaimed pit will be restored to a safe and stable condition.

Site Preparation and Revegetation Disturbed areas will be revegetated after the site has been satisfactorily prepared. Site preparation will include respreading topsoil to an adequate depth, described by the sections below, and may also include ripping, tilling, disking on contour, and dozer track-imprinting. Seeding will be accomplished by drilling on the contour whenever practical or by other approved methods such a dozer track-walking followed by broadcast seeding. Seeding will be performed according to the application specifications outlined by the BLM BLM Seed Mixture 2 for sandy sites is to be applied as addressed below.

Soil Cover Designs

The soil cover for site reclamation shall consist of one or more of the following parameters:

(A) The soil cover for closures where the operator has removed the pit contents or remediated the contaminated soil to the divisions' satisfaction shall consist of the background thickness of topsoil or one foot of suitable material to establish vegetation at the site, whichever is greater.

(B) The soil cover for burial-in-place or trench burial shall consist of a minimum of four feet of compacted, non-waste containing, earthen material. The soil cover shall include either the background thickness of topsoil or one foot of suitable material to establish vegetation at the site, whichever is greater.

(C) The holder shall construct the soil cover to the site's existing grade and prevent ponding of water and erosion of the cover material.

Re-vegetation Procedure, using BLM Seed Mixture 2, for Sandy Sites

The holder will begin seeding the first growing season after the holder closes a pit or trench or is no longer using a drying pad, below-grade tank or an area associated with a closed-loop system, pit or below-grade tank, including access roads. Seeding shall be accomplished by drilling on the contour whenever practical or by other division-approved methods. The holder will seed all disturbed areas with the seed mixture listed below The seed mixture shall be planted in the amounts specified in pounds of pure live seed (PLS)* per acre. There shall be no primary or secondary noxious weeds in the seed mixture. Seed will be tested and the viability testing of seed will be done in accordance with State Law(s) and within nine (9) months prior to purchase. Commercial seed will be either certified or registered seed. The seed container will be tagged in accordance with State law(s) and available for inspection by the authorized officer.

Seed will be planted using a drill equipped with a depth regulator to ensure proper depth of planting where drilling is possible. The seed mixture will be evenly and uniformly planted over the disturbed area (smaller/heavier seeds have a tendency to drop to the bottom of the drill and are planted first). The holder will take appropriate measures to ensure that this does not occur. Where drilling is not possible, seed will be broadcast and the area shall be raked or chained to cover the seed When broadcasting the seed, the pounds per acre are to be doubled The holder shall obtain coverage that equals 70% of the native perennial vegetative cover (un-impacted by overgrazing, fire or other intrusion damaging to native vegetation) consisting of at least three native plants 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 The holder will repeat seeding or planting as necessary, until it successfully achieves the required vegetation cover. Evaluation of growth will not be made before completion of at least one full growing season after seeding.

When conditions are not favorable for the establishment of vegetation, such as periods of drought, the holder may delay seeding or planting, with the division's approval, until soil moisture conditions become favorable. However, the division may require the holder to use additional cultural techniques such as mulching, fertilizing, irrigating, fencing, or other practices to establish re-vegetation The holder may propose an alternative to the re-vegetation plan if the holder demonstrates that the proposed alternative effectively prevents erosion, and protects fresh water, human health, and the environment. The proposed alternative shall be agreed upon by the surface owner The holder will then submit the

proposed alternative, with written documentation, that the surface owner agrees to the alternative, to the division for approval.

The holder will notify the division when it has seeded or planted and when it successfully achieves re-vegetation

BLM Seed Mixture 2, for Sandy Sites

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

Species	lb/acre
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

WELL RECLAMATION

Pit Locations, On-Site Burial Locations, and Drying Pads

Once the holder has closed a pit or trench, or is no longer using a drying pad, below-grade tank or an area associated with a closed-loop system, pit, trench or below-grade tank, the holder will reclaim the pit location, drying pad location, below-grade tank location, or trench location and all areas associated with the closed-loop system, pit, trench or below-grade tank, including associated access roads, to a safe and stable condition that blends with the surrounding, undisturbed area. The holder shall substantially restore the impacted surface area to the condition that existed prior to oil and gas operations by placement of the soil cover as stated previously, recontour the location and associated areas to a contour that approximates the original contour, and blends with the surrounding topography and re-vegetate the site as stated previously.

Final Reclamation Restoration of the original landform is a key element in ensuring that the effects of oil and gas development are not permanent. To achieve final reclamation, the well site will be recontoured to original contour or a contour that blends with the surrounding landform, stockpiled topsoil redistributed, and the site revegetated.

In recontouring areas that have been surfaced with gravel or similar materials (caliche), the material must be removed from the well location or buried deep in the recontoured cut to prevent possible surface exposure. All excavations and pits will be closed in accordance with New Mexico Oil Conservation Division standards and graded to conform to the surrounding terrain.

Salvaged topsoil must be respread evenly over the surfaces to be revegetated The topsoiled site will be prepared to provide a seedbed for reestablishment of desirable vegetation.

Water breaks and terracing will only be installed when absolutely necessary to prevent erosion of fill material

CRI
CONTROLLED RECOVERY, INC

The Oilfield Waste Disposal Experts.℠

Disposal Facility Name

Controlled Recovery, Inc

Permit Number

R-9166