

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 CLEZ  
July 21, 2008

For closed-loop systems that only use above ground steel tanks or haul-off bins and propose to implement waste removal for closure, submit to the appropriate NMOCD District Office.

**Closed-Loop System Permit or Closure Plan Application**

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

Type of action: ☐ Permit ☒ Closure

Instructions: Please submit one application (Form C-144 CLEZ) per individual closed-loop system request. For any application request other than for a closed-loop system that only use above ground steel tanks or haul-off bins and propose to implement waste removal for closure, please submit a Form C-144.

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: Armstrong Energy Corporation OGRID #: 001092  
Address: P.O. Box 1973, Roswell, NM  
Facility or well name: North Park Federal #1  
API Number: 30-005-62559 OCD Permit Number: 211199  
U/L or Qtr/Qtr D Section 20 Township 11S Range 27E County: Chaves  
Center of Proposed Design: Latitude 33.35494 Longitude 104.26488 NAD: ☒ 1927 ☐ 1983  
Surface Owner: ☒ Federal ☐ State ☐ Private ☐ Tribal Trust or Indian Allotment

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2. ☒ **Closed-loop System:** Subsection H of 19.15.17.11 NMAC  
Operation: ☐ Drilling a new well ☐ Workover or Drilling (Applies to activities which require prior approval of a permit or notice of intent) ☒ P&A  
☒ Above Ground Steel Tanks or ☐ Haul-off Bins

3. **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

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4. **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.  
☒ Design Plan - based upon the appropriate requirements of 19.15.17.11 NMAC  
☐ Operating and Maintenance Plan - based upon the appropriate requirements of 19.15.17.12 NMAC  
☐ Closure Plan (Please complete Box 5) - based upon the appropriate requirements of Subsection C of 19.15.17.9 NMAC and 19.15.17.13 NMAC  
☐ Previously Approved Design (attach copy of design) API Number: \_\_\_\_\_  
☐ Previously Approved Operating and Maintenance Plan API Number: \_\_\_\_\_

5. **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: Gandy-Marley, Inc. Disposal Facility Permit Number: NM-711-1-002  
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

6. **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): Bruce A. Stubbs Title: Vice President-Operations  
Signature: [Signature] Date: 02/23/11  
e-mail address: bastubbs@armstrongenergycorp.com Telephone: 575-625-2222

7. **OCD Approval:** ☒ Permit Application (including closure plan) ☐ Closure Plan (only) 06/15/2011  
**OCD Representative Signature:** [Signature] **Approval Date:** 02/24/2011  
**Title:** DIST II Supervisor **OCD Permit Number:** 211199

8. **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:** 05-27-11

9. **Closure Report Regarding Waste Removal Closure For Closed-loop Systems That Utilize Above Ground Steel Tanks or Haul-off Bins Only:**  
*Instructions: Please indentify 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:** Gandy-Marley, Inc. **Disposal Facility Permit Number:** NM-711-1-002  
**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

10. **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):** Bruce A. Stubbs **Title:** Vice President - Operations  
**Signature:** [Signature] **Date:** 6-14-11  
**e-mail address:** bastubbs@armstrongenergycorp.com **Telephone:** 575-625-2222

## **SURFACE RECLAMATION/RESTORATION REQUIREMENTS**

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6. Upon removal of the surfacing material, the access road and well pad shall be ripped a maximum of 16 inches deep (Ripping depth will be determined by depth of soil shown in the Soil Conservation Service Survey Handbook).
7. All culverts and other road structures (e.g.: cattleguard, H-Braces, signs, etc.) shall be removed and properly disposed of.
8. All over-burden material shall be replaced in the cut areas, ditches, lead-off ditches and any other excavated earthwork shall be back filled.
9. An earthen berm shall be constructed at the entrance of the road to prevent vehicular traffic on the reclaimed road.

### **V. SEEDING REQUIREMENTS:**

**A. No topsoil stockpile is required on this well pad.**

B. The reclaimed area(s) shall be seeded with the seed mixture that was determined by the Roswell Field Office for the Desired Plant Community on this well site.

C. The same seed mixture shall be used for the reclamation of the access road and well pad.

D. The planting of the seed shall be done in accordance with the following seeding requirements:

1. The topsoil soil shall be plowed under with soil turning equipment and the plowed surface shall be disked before seeding. Seed shall be planted using a drill equipped planter with a depth regulator to ensure proper depth of planting where drilling is possible. The seed mixture shall be evenly and uniformly planted over the disturbed area. Smaller/heavier seed has a tendency to drop to the bottom of the drill and is planted first; the holder shall take appropriate measures to ensure this

does not occur. Where drilling is not possible, seed shall be broadcast and the area shall be raked or chained to cover the seed. When broadcasting the seed, the pounds per acre noted below are to be doubled.

2. The holder shall seed all the disturbed areas with the DPC seed mixture listed below. The seed mixture shall be planted in the amounts specified in pounds of pure live seed per acre, (Pounds of pure live seed per acre: pounds of seed X percent purity X percent germination = pounds pure live seed). There shall be no primary or secondary noxious weeds in the seed mixture.

In accordance with State law(s) the seed should be tested for purity and viability within nine (9) months prior to sell. Commercial seed shall be either certified or registered seed. The seed mixture container shall be tagged in accordance with State law(s) and the certified seed tag shall be made available for inspection by the Authorized Officer.

## SURFACE RECLAMATION/RESTORATION REQUIREMENTS

4 of 5 pages

### 3. **Desired Plant Community** seed mixture to be planted in pounds of pure live seed per acre:

Soil: Sotim-Simona association, moderately undulating

Ecological Site: Shallow Sand SD-3; Ecological Site: Sandy SD-3

<u>Common Name and Preferred Variety</u>	<u>Scientific Name</u>	<u>Pounds of Pure Live Seed Per Acre</u>
Black grama	<i>(Bouteloua eriopoda)</i>	3.00 lbs.
or Blue grama,	<i>(Bouteloua gracilis)</i>	
Sideoats grama	<i>(Bouteloua curtipendula)</i>	2.00 lbs.
Sand dropseed	<i>(Sporobolus cryptandrus)</i>	1.50 lbs.
or Mesa dropseed	<i>(S. flexuosus)</i>	
or Spike dropseed	<i>(S. contractus)</i>	
Desert or Scarlet	<i>(Sphaeralcea ambigua)</i>	1.00 lb.
Globemallow	or <i>(S. coccinea)</i>	
Croton	<i>(Croton spp.)</i>	<u>1.00 lb.</u>
TOTAL POUNDS PURE LIVE SEED PER ACRE		8.50 lbs.

IF ONE SPECIES IS NOT AVAILABLE, INCREASE ALL OTHERS PROPORTIONATELY  
Use no less than 4 species, including 1 forb. No less than 8.5 pounds (lbs) per acre shall be applied.

E. The recommended time to seed is from June 15<sup>th</sup> through September 15<sup>th</sup>. The optimum seeding time is in mid-July. Successive seeding should be done either late in the fall (Sept. 15<sup>th</sup> - Nov. 15<sup>th</sup>, before freeze up) or early as possible the following spring to take advantage of available ground moisture. However, the holder may seed immediately after completing surface abandonment requirements.

F. The seeding of the disturbed areas shall be repeated until a vegetative thicket is established on the access road and well pad. The Authorized Officer shall make the determination when the regrowth on the disturbed areas is satisfactory.

G. The holder shall be responsible for the establishment of vegetation on the access road and well pad. Evaluation of vegetative growth will not be made before the completion of the first growing season after seeding. The Authorized Officer reserves the right to require reseeding at a specific time if seed does not germinate after one growing season. Waiver of this requirement would be considered if diligent attempts to revegetate the disturbed areas have failed and the Authorized Officer determines that further attempts to replant the access road and well pad are futile.

H. Contact Mr. Randy Legler at (505) 627-0215 to witness the seeding operations, two (2) days prior to seeding the disturbed areas.

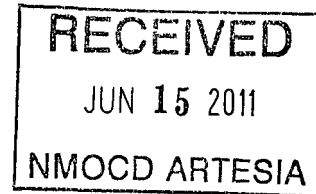
**I. Invasive and Noxious Weeds Requirement:**

1. The holder shall be held responsible if noxious weeds become established within the reclaimed areas. Evaluation of the growth of noxious weeds shall be made upon discovery. Weed control will be required on the disturbed land where noxious weeds exist, which includes the road, pad, associated pipeline corridor/routes, and adjacent land affected by the establishment of weeds due to this action. The holder is responsible for consultation with the Authorized Officer for acceptable weed control methods, which include following EPA and BLM requirements and policy.
2. The holder shall insure that the equipment and or vehicles that will be used to reclaim the access roads and well pad are not polluted with invasive and noxious weed seed. Transporting of invasive and noxious weed seed could occur if the equipment and vehicles were previously used in noxious weed infested areas. In order to prevent the spread of noxious weeds, the Authorized Officer shall require that the equipment and vehicles be cleaned with either high pressure water or air prior to reclamation of the access roads and well pad.



500 North Main Street, Suite 200  
P.O. Box 1973  
Roswell, New Mexico 88202-1973  
(575) 625-2222  
Fax (575) 622-2512

June 14, 2011



Oil Conservation Division  
1301 W. Grand Avenue  
Artesia, New Mexico 88210

Re: C-144 CLEZ - Closure Plan Application  
North Park Federal #1  
Chaves County, New Mexico

Dear Sir/Madam:

Enclosed is a Closure Plan Application (Form C-144 CLEZ) for the North Park Federal #1 along with an attached copy of the seeding requirements.

If you have any questions, please contact Bruce Stubbs at 505-625-2222.

Sincerely,

ARMSTRONG ENERGY CORPORATION

By: Irma Cunningham  
Irma Cunningham, Geo Tech

Enclosures