District I 1625 N. French Dr., Hobbs, NM District 21 811 S. First St., Artesia, NM 88 District III 1000 Rio Brazos Road, Aztec, District IV 1220 S. St. Francis Dr., Santa F	3210 NM 87410	State of New Mexico nergy Minerals and Natural Resources Department Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505	Form C-144 CLEZ Revised August 1, 2011 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 Please be advised that approval	b use above ground steel tanks of this request does not relieve	s or haul-off bins and propose to implement was e the operator of liability should operations resu	<i>test. For any application request other than for a ste removal for closure, please submit a Form C-144.</i> It in pollution of surface water, ground water or the governmental authority's rules, regulations or ordinances.
Address:1001 Fannir	n St. Ste. 800, Houston, TX 7	OGRID #	t:143199
API Number:30-03 U/L or Qtr/QtrA Center of Proposed Design:	9-21891 Section 12 Latitude	OCD Permit Number: _ Township24 N Range04 W Longitude	County:Rio Arriba NAD: □1927 🛛 1983
Surface Owner:       Federal       State       Private       Tribal Trust or Indian Allotment         Image: Subsection B of 19.15.17.11 NMAC       Image: Subsection B of 19.15.17.11 NMAC       Image: Subsection B of 19.15.17.11 NMAC         Image: Operation:       Image: Drilling a new well       Image: Workover or Drilling (Applies to activities which require prior approval of a permit or notice of intent)       Image: P&A         Image: Subsection C of 19.15.17.11 NMAC       Image: Subsection C of 19.15.17.11 NMAC       Image: Subsection C of 19.15.17.11 NMAC         Image: Subsection C of 19.15.17.11 NMAC       Image: Subsection C of 19.15.17.11 NMAC       Image: Subsection C of 19.15.17.11 NMAC         Image: Subsection C of 19.15.17.11 NMAC       Image: Subsection C of 19.15.17.11 NMAC       Image: Subsection C of 19.15.17.11 NMAC         Image: Subsection C of 19.15.17.11 NMAC       Image: Subsection C of 19.15.17.11 NMAC       Image: Subsection C of 19.15.17.11 NMAC         Image: Subsection C of 19.15.17.11 NMAC       Image: Subsection C of 19.15.17.11 NMAC       Image: Subsection C of 19.15.17.11 NMAC         Image: Subsection C of 19.15.17.11 NMAC       Image: Subsection C of 19.15.17.11 NMAC       Image: Subsection C of 19.15.17.11 NMAC         Image: Subsection C of 19.15.17.11 NMAC       Image: Subsection C of 19.15.17.11 NMAC       Image: Subsection C of 19.15.17.11 NMAC			
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CD Approval: 🔀 Permit Application (including closure plan) 🔲 Closure Plan (only)			
CD Representative Signature: ()/24/2013			
itle: <u>Compliance Office</u> OCD Permit Number:			
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:			
9. <u>Closure Report Regarding Waste Removal Closure For Closed-loop Systems That Utilize Above Ground Steel Tanks or Haul-off Bins Only:</u> 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:Envirotech Inc. Soil Remediation Facility Disposal Facility Permit Number:NM-01-0011			
Disposal Facility Name:T-n-T Environmental, Inc Disposal Facility Permit Number:NM-1-008			
Were the closed-loop system operations and associated activities performed on or in areas that <i>will not</i> 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			
<ul> <li>10.</li> <li>Operator Closure Certification:</li> <li>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.</li> </ul>			
ame (Print): Title: Title:			
gnature: Date:			
mail address: Telephone:			

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# **EnerVest Operating, LLC**

## **Closed Loop System**

#### **Closed Loop Design and Construction Plan**

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In accordance with 19.15.17.11 NMAC, EnerVest Operating, LLC. (EV) will utilize a closed loop system while performing Plug & Abandonment operations on this well site to insure the confinement of oil gas or water to prevent an uncontrolled release.

EV will use an above ground closed loop system for fluids handling and solids separation.

Design and construction considerations are:

- 1. A well sign shall be posted at the well site in accordance with 19.15.3 103 NMAC.
- 2. No drying pads or sumps will be used in conjunction with this closed loop system.
- 3. Solids that have been separated from the fluids will be hauled to a properly permitted landfarm facility.
- 4. The fluids will be conditioned for re-use as much as is practical, any fluids left over at the end of the process will be hauled to next location for re-use or hauled to a properly permitted facility for disposal.

## **Closed Loop Operating and maintenance plan**

In accordance with 19.15.17.12 NMAC, EV shall operate and maintain the closed loop system in a manner that will contain all solids and liquids, maintain the systems integrity, prevent contamination of fresh water and protect public health and the environment. This will be accomplished by the following processes:

- 1. EV shall recycle, re-use or reclaim and dispose of all fluids and solids in a manner approved by the current NMOCD rules.
- 2. EV shall not discharge into or store any hazardous waste in the closed loop system, nor shall it allow miscellaneous solid waste or debris into the closed loop system.
- 3. The pit tanks will be of sufficient volume to maintain a safe freeboard prior to the disposal of the solids and liquids from the rig operations.
- 4. Disposal of the solids and liquids will be done on a periodic basis maintaining a safe and responsible free board in the pits. The solids will be transported off the site and disposed of at a properly permitted land farm. The liquid portion of the fluids will be separated and re used where practical. Any portion that cannot be re used will be disposed of at an appropriate facility.
- 5. The closed loop system will be inspected daily while the system is in use. EV shall maintain a log of such inspections.
- 6. In the event of a leak from any of the components within the closed loop system, EV will take appropriate measures to repair the leak and contain the release and report to NMOCD the event within 48 hours of the detection of the leak or release.

# **Closure Plan**

In accordance with 19.15.17.13 NMAC EV will not use any temporary pits, drying pads or sumps in the TA operations. The closed loop system(s) and all associated activities will be performed on the well site and will not be performed on or in an area that will not be used for future service and operations of the well. The closure of the closed loop system will be performed as follows:

- 1. Upon termination of rig operations, all liquids remaining in the closed loop system will be either transported to another site for re-use or will be disposed of at an appropriate facility.
- 2. The closed loop system(s) components, including any and all of the containment tanks will be removed from the location in conjunction with the drilling or completion rig from the well site.
- 3. Upon termination of the rig operations any remaining solid materials in the closed loop system will be disposed of at a properly permitted landfarm facility.
- 4. Within sixty days from the date that EV ceases drilling activities at the well site for which the closed loop permit was issued and the closed loop equipment has been removed from the well site, EV shall complete and execute items 9 and 10 of the C-144 CLEZ and file with the NMOCD district office.