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Show (that only use above ground steel lanks as hand_fl hirs and propose to implement waste removal for closure) Type of action: Permit Closure of the only use above ground steel tanks or hat-off has and propose to implement waste removal for closure particular request when the the operator of has had propose to implement waste removal for closure particular request state that had be approved to the operator of has had propose to implement waste removal authority's nels, regulations or ordinances. Operator: Energien Resources Corporation OGRID #: 162928 Adverse: 2010 Afton Place. Fernington, NM 87401 Fernington Factor of Proposed Design: Latitude 36_25022 Longitude U.I. or Qury	District III_ 1000 Rio Brazos Road, Aztec, NM 87410 District IV_ 1220 S. St. Francis Dr., Santa Fe, NM 87505	1220 South St. Francis Dr.	ground steel tanks or haul-off bins and propose to implement waste removal for closure, submit
Type of action.	Closed-La (that only use above ground		
Address: 2010 Afton Place. Farmington, NM 87401 Facility or vell name:	Instructions: Please submit one application (closed-loop system that only use above ground Please be advised that approval of this request does n	Form C-144 CLEZ) per individual closed-loop system tanks or haul-off bins and propose to impleated to relieve the operator of liability should operations of the set of the operator of the set of the	estem request. For any application request other than for a ment waste removal for closure, please submit a Form C-14 result in pollution of surface water, ground water or the
Facility or well name:	1. Operator: Energen Resources Corpo	pration	OGRID #: <u>162928</u>
API Number: 30-039-26574 OCD Permit Number: Range 03N County: Rio_Arriba U/L or Qtr/Qtr	•		
U/L or Qir/Qir L Section 36 Township 27N Range 03W County: Rio Arriba Center of Proposed Design: Latitude 35,52802 Longitude 107.10172 NAD: []]927 [X]1983 Surface Owner: Prederal State Private [X] Tribal Trust or Indian Allotment Image: County: NAD: []]927 [X]1983 Surface Owner: Orgentation: Onliling a new well Image: Workover or Drilling (Applies to activities which require prior approval of a permit or notice of intent) P&A Xi Above Ground Steel Tanks or Haul-off Bins Image: County: RCVD JAN 25 '13 Signet Signet in compliance with 19.15.3.103 NMAC RCVD JAN 25 '13 Classed-loop Systems Permit Application. Attachment Checklist: Subsection B of 19.15.17.9 NMAC Image: County: Matched Design Plan - based upon the appropriate requirements of 19.15.17.11 NMAC RCVD JUN 19 '13. Image: County: Image: County: RCVD JUN 19 '13. Closure Plan - based upon the appropriate requirements of 19.15.17.12 NMAC RCVD JUN 19 '13. Image: County: RCVD JUN 19 '13. Closure Plan - based upon the appropriate requirements of 50.5.1.02 ULL 19 '13. IDI L CONS. DIU. IDI L CONS. DIU. <td>Facility or well name: Jicarilla 95</td> <td>#6B</td> <td>·</td>	Facility or well name: Jicarilla 95	#6B	·
Center of Proposed Design: Latitude			
Surface Owner: Pederal State Private X Tribul Trust or Indian Allotment Z Classed-laps System: Subsection H of 19.15.17.11 NMAC Operation: Plane Media Workower or Drilling (Applies to activities which require prior approval of a permit or notice of intent) P&A X Above Ground Steel Tanks or Haul-off Bins RCUD JAN 25 '1.3 X Signed: subsection C of 19.15.17.11 NMAC RCUD JAN 25 '1.3 X Signed in compliance with 19.15.3.103 NMAC DIL CDNS. DIV. X Signed in compliance with 19.15.3.103 NMAC DIST. 3 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. X Dograting and Maintenance Plan - based upon the appropriate requirements of 19.15.17.12 NMAC X Design Plan - based upon the appropriate requirements of 19.15.17.12 NMAC X Design (attach copy of design) API Number: QIL CONS. DIV. Y Previously Approved Design (attach copy of design) API Number: DIST. 3 X Neste Removal Closure For Closed-loop Systems That Util			
Image: Section System: Subsection H of 19.15.17.11 NMAC Operation: Drilling a new well Image: 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 Stars: Subsection C of 19.15.17.11 NMAC RCUD JAN 25 '1.3 Dir.2"x 24", 2" lettering, providing Operator's name, site location, and emergency telephone numbers DIL CDNS, DIV, DIST. 3 Signed in compliance with 19.15.1.03 NMAC DIST. 3 Classed-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. If Design Plan - based upon the appropriate requirements of 19.15.17.12 NMAC If Clease complete Box 5) - based upon the appropriate requirements of 19.15.17.12 NMAC If Clease complete Box 5) - based upon the appropriate requirements of 19.15.17.18 NMAC in 19.15.17.13 NMAC If Previously Approved Design (attach copy of design) API Number: Previously Approved Design (attach copy of design) API Number: Disposal Facility Name: Envirotech	•	•	107.10172 NAD: 1927 X 1983
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At organized in compliance with 17.125.100 MMAC At organized in compliance with 17.125.100 MMAC At organized in complication 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. Image: Design Plan - based upon the appropriate requirements of 19.15.17.12 NMAC Image: Design Plan - based upon the appropriate requirements of 19.15.17.12 NMAC Image: Complete Box 5) - based upon the appropriate requirements of 19.15.17.12 NMAC Image: Complete Box 5) - based upon the appropriate requirements of 19.15.17.13 NMAC Image: Complete Box 5) - based upon the appropriate requirements of 19.15.17.13 NMAC Image: Complete Box 5) - based upon the appropriate requirements of 19.15.17.13 NMAC Image: Complete Box 5) - based upon the appropriate requirements of 19.15.17.13 NMAC Image: Complete Box 5) - based upon the appropriate requirements of 19.15.17.13 NMAC Image: Complete Box 5) - based upon the appropriate requirements of 19.15.17.13 NMAC Image: Complete Box 5) - based upon the appropriate requirements of 19.15.17.13 NMAC Image: Complete Box 5) - based upon the disposal of liquids, drilling fluids and drill cuttings. Use attachment if more than two accilities are required. Disposal Facility Name: Image: Im		- · ·	numbers DIL CONS. DIV.
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Previously Approved Operating and Maintenance Plan API Number:	Previously Approved Design (attach copy of	of design) API Number:	
State 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 indentify 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: Envirotech Disposal Facility Permit Number: NM-1-0011 Disposal Facility Name: T-N-T Environmental. Inc. Disposal Facility Permit Number: WM-1-008 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) XINo 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 Stite Reclamation Plan - based upon the appropriate requirements of Subsection G of 19.15.17.13 NMAC Soil Backfill and Cover Design Specifications based upon the appropriate requirements of Subsection G of 19.15.17.13 NMAC Operator Application Certification: Interest endurement of Subsection G of 19.15.17.13 NMAC Interest certify that the information submitted with this application is true, accurate and complete to the best of my knowledge and belief. Name (Print): Adam Klem Title: District Engineer Signature: Date: 1/23/13	Previously Approved Operating and Mainte	enance Plan API Number:	
Disposal Facility Name: Envirotech Disposal Facility Permit Number: NM-1-0011 Disposal Facility Name: T-N-T Environmental. Inc. Disposal Facility Permit Number: WM-1-008 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 operation Yes (If yes, please provide the information below) INNo 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 Revegetation 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): Adam Klem Title: District Engineer Signature: Date: 1/23/13	Instructions: Please indentify the facility or fac	tems That Utilize Above Ground Steel Tank Cilities for the disposal of liquids, drilling fluids	s or Haul-off Bins Only: (19,15,17,13.D NMAC)
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) XNo 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 G of 19.15.17.13 NMAC Soil Backfill and Cover Design Specifications - based upon the appropriate requirements of Subsection G of 19.15.17.13 NMAC Operator Application Certification: Information is true, accurate and complete to the best of my knowledge and belief. Name (Print): Adam K1em Title: District Engineer Signature: Date: 1/23/13	Disposal Facility Name: Envirotech		ity Permit Number: <u>NM-1-0011</u>
Yes (If yes, please provide the information below) X 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 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): Adam K1em Signature: Date: 1/23/13	Disposal Facility Name:	mental, Inc. Disposal Facil	ity Permit Number: <u>WM-1-008</u>
Soil Backfill and Cover Design Specifications based upon the appropriate requirements of Subsection I 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): Adam K1em Signature: Date: 1/23/13	Will any of the proposed closed-loop system op Yes (If yes, please provide the informat	erations and associated activities occur on or in in below) [X] No	areas that will not be used for future service and operatio
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): Adam Klem Title: District Engineer Signature: 1/23/13	Soil Backfill and Cover Design Specific Re-vegetation Plan - based upon the ap	cations based upon the appropriate requirem propriate requirements of Subsection 1 of 19.15	.17.13 NMAC
Signature: Date: 1/23/13	6. Operator Application Certification: I hereby certify that the information submitted		
	Name (Print):	Titl	e: District Engineer
e-mail address:aklem@energen.com Telephone:505.324.4163	Signature:	Dat	e: <u>1/23/13</u>
	e-mail address: _aklem@energen.com	Tele	phone:505.324.4163

- da da to			
7. <u>OCD Approval:</u> Permit Application (including closure plan) <u>XrClosure Plan (only</u>)			
OCD Representative Signature: 051910 Kelly Approval Date: 1/29/2013			
Title: 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: 4/19/2013			
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: T-N-T Environ Mental Disposal Facility Permit Number: WM ~1 - OUP			
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) X 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): <u>Carson Johnston</u> Title: <u>Engineer</u>			
Signature: Date: Date: 6/17/2013			
e-mail address: Carson. Johnston & energen. com Telephone: 505-324-4139			

In accordance with Rule 19.15.17 NMAC, the following plan describes the general Design, Operating & Maintenance, and Closure of the proposed Closed-Loop systems for this well.

Closed-Loop Design Plan:

The Closed-Loops System will consist of one or more temporary above-ground steel tank(s) or waste pit(s) suitable for holding all cuttings and fluids circulated from the well during the planned rig operations. The tank(s) will be of sufficient volume to maintain a safe free-board between disposal of the liquids and solids from rig operations. Additional design considerations include:

- 1. This Closed-Loop System will not use a drying pad, temporary pit, below-grade tank or sump.
- 2. Fencing is not required for an above-ground closed-loop system.
- 3. It will be signed in compliance with 19.15.3.103 NMAC.
- 4. A frac tank will be on location to store fresh or KCI water.
- 5. Tanks will be placed on the active and disturbed areas of the well location and within the existing ROW footprint.

Closed-Loop Operating Plan:

The Closed-Loops System will be operated and maintained: to contain liquids and solids, to aid in the prevention of contamination of fresh water sources, in order to protect public health and the environment. The following steps will be followed to attain this goal:

- 1. The liquids in the steel tank(s) will be vacuumed out and disposed of at one of the following facilities depending on the proximity of the well and the disposal volumes: Auga Moss Pretty Lady (Permit 30-045-30922); Basin Disposal (Permit: NM-01-0005); Sunco Disposal #1 (NM 01-009) or T-N-T Environmental (NM 01-008).
- Solids in the Closed-Loop tank will be vacuumed out and disposed of at one of the following facilities depending on the proximity of the well and the disposal volumes: Envirotech (Permit Number NM-01-0011); Industrial Ecosystems Inc (Permit NM 1-10-B) or T-N-T Environmental (NM 01-008) on a periodic basis as necessary to prevent over topping.
- No hazardous waste, miscellaneous solid waste or debris will be discharged into or stored in the tank(s). Only fluids or cutting intrinsic to, used or generated by rig operations will be placed or stored in the tank(s).
- 4. The Division District office will be notified within 48 hours of the discovery of compromised integrity of the Closed-Loop System. Upon discovery of the compromised tank, repairs will be enacted immediately.
- 5. All of the above operations will be inspected each day, signed and dated and any irregularities will be recorded. During rig operations the inspection will be daily.

Closed-Loop Closure Plan:

The Closed-Loops System will be closed in accordance with 19.15.17.13. This will be done by:

- Transport for disposal all remaining liquids to one of the following facilities depending on the proximity of the disposal well and disposal volumes: Auga Moss - Pretty Lady (Permit 30-045-30922); Basin Disposal (Permit: NM-01-0005); Sunco Disposal #1 (NM 01-009) or T-N-T Environmental (NM 01-008).
- Transporting cuttings and all remaining sludge to an approved facility: Envirotech (Permit Number NM-01-0011); Industrial Ecosystems Inc (Permit NM 1-10-B) or T-N-T Environmental (NM 01-008) as reasonable as possible after the rig activities.
- 3. Removal of the tank(s) from the well location after the rig activities has been completed.
- 4. At the time of well abandonment, the site will be reclaimed and re-vegetated to pre-existing conditions when possible, or as stipulated by the landowner in a surface use agreement. Timing of reseeding, seed mix, and assessment of successful reclamation will be in compliance with conditions in APD.