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Intervention: Prime Splication (Prime C.M.4 CEE.2) per influided cloud-long parties request. For any application request of the form (C.M.4) Prices be abried that approval of this request does an influence the operator of lishibility should operations result in pollution of artifice water, required the form (C.M.4) Operator: Energen Resources: Corporation OGRID #: [62928] Address: 2010 Afton Place, Farmington, NM 07401 Facility or well name: Jicarilla 96 #6A API Number: 30:039-21273 OCD Permit Number: U.L or Oth/OP D. Section 12 Township Zongitude 107,09943 NAD: [1927] KI1983 Surface Owner: Indiation of of 19.15.17.11 NMAC Pression: Control (19.16.27.3) Operator: Control (19.15.17.11 NMAC RCUD MAR 12.7.3) Workover or Drilling (Applies to activities which require prior approval of a permit or notice of intent) P&A Signa: Subsection H of 19.15.17.11 NMAC DIST. 3 Consult of the following town match eater the conjoint of the optication. Providing Operator name, site location, and emergency telephone numbers UIL CONS, DU, Signa: Subsection C of 19.15.17.11 NMAC DIST. 3 Consult of the following town match eater the conjoint requirements of 19.15.17.9 NMAC DIST. 3 <tr< td=""><td></td><td>el tanks or haul-off bins and propose to imple</td><td>ement waste removal for closure)</td></tr<>		el tanks or haul-off bins and propose to imple	ement waste removal for closure)	
Operator: Energen Resources Corporation OGRID #: 162928 Address: 2010 Afton Place, Farmington, NM 87401 Faility oved Iname: Jittane: Jittane: Address: 2010 Afton Place, Farmington, NM 87401 Faility oved Iname: Jittane: Mittane: API Number: 30-039-21273 OCD Permit Number: Center of Proposed Design: Latitude 36.5035 Longitude Surface Owner: Federal Subsection H of 19.15.17.11 NMAC Operation Operation: Defining a new well Workover or Drilling (Applies to activities which require prior approval of a permit or notice of intent) P&A State: Subsection K of 19.15.17.11 NMAC RCWD MAR 12.11.3 Departation: Subsection C of 19.15.17.11 NMAC Bit CORS, DIV. Signed in compliance with 19.15.3.103 NMAC DIST. Signed in compliance with 19.15.3.103 NMAC Districtions: Each of the following items must be attached to the application. Plass indicate, by a check mark in the box, that the documents are attached. Qoperating and Maintenance Plan: Subsection C of 19.15.17.13 NMAC Doperating and Maintenance Plan: Subsection C of 19.15.17.13 NMAC Oporenting and Maintenan	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			
Facility or well name: Jicarilla 96 #84 API Number: 30-039-21273 OCD Permit Number: U/L or QurQtr D				
API Number: 30-039-21273 OCD Permit Number: U/L or QurQtr D Section 12 Township 26. Range 03.4 County: Rio Arriba Center of Proposed Design: Latitude 36.5035 Longitude 107.09943 NAD: [] 1983 Surface Owner: Federal Ditaling a new well Workvore 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 E	Address: 2010 Afton Place, Farmir	ngton, NM 87401	·	
U/L or Qir/Qir	Facility or well name: Jicarilla 96 #8	3A		
Center of Proposed Design: Latitude 36.5035 Longitude 107.09943 NAD. [] 1927 [2] 1983 Surface Owner: Federal State Private [2] Tribal Trust or Indian Allotment 2 Cleased-loop System: Subsection H of 19.15.17.11 NMAC PEA 2 Above Ground Steel Tanks or Haul-off Bins PEA 3 Sugar: Subsection C of 19.15.17.11 NMAC PEA 2 Sugred in compliance with 19.15.3.03 NAD. [] PEA 3 Signed in compliance with 19.15.3.03 NAD. [] PEA 4 Sugred in compliance with 19.15.3.03 NAD. [] PEA 6 Cleased-loop Systems Permit Application Attachment Checklist: Subsection B of 19.15.17.9 NMAC 10 It 27.24", 2" lettering, providing Operator's name, site location, and emergency telephone numbers DIST, 3 6 Cleased-loop Systems Permit Application Attachment Checklist: Subsection C of 19.15.17.9 NMAC 10 Design Plan - based upon the appropriate requirements of 19.15.17.11 NMAC Deperating and Maintenance Plan - based upon the appropriate requirements of Subsection C of 19.15.17.9 NMAC and 19.15.17.13 NMAC 10 Cleaser Plan - based upon the appropriate requirements of Subsection C of 19.15.17.9 NMAC and 19.15.17.13 NMAC 10 <	API Number: 30-039-21273	OCD Permit Number:		
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□ 12"x 24", 2" lettering, providing Operator's name, site location, and emergency telephone numbers DIL CONS. DIV. ☑ Signed in compliance with 19.15.3.103 NMAC DIST. 3 ¹ Clased-loop. Systems Permit Application Attachment Checklist: Subsection B of 19.15.17.9 NMAC <i>Instructions:</i> 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 Subsection C of 19.15.17.9 NMAC and 19.15.17.13 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 indentify the facility or facilities for the disposal of fliquids, drilling fluids and drill cuttings. Use attachment if more than two facilities or required. Disposal Facility Name: I-N-T Environmental. Inc. Disposal Facility Permit Number: MM-1-0011 Disposal Facility Name: I-N-T Environmen	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			
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 Operating and Maintenance Plan - based upon the appropriate requirements of 19.15.17.12 NMAC Operating and Maintenance Plan - based upon the appropriate requirements of Subsection C of 19.15.17.9 NMAC and 19.15.17.13 NMAC Operating and Maintenance Plan - based upon the appropriate requirements of Subsection C of 19.15.17.9 NMAC and 19.15.17.13 NMAC Operating and Maintenance Plan API Number: Previously Approved Design (attach copy of design) API Number: Previously Approved Operating and Maintenance Plan API Number: Previously Approved Operating the facility of facility facil		me, site location, and emergency telephone number	6778 JEFA85 57888	
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 Degrating and Maintenance Plan - based upon the appropriate requirements of 19.15.17.12 NMAC Previously Approved Design (attach copy of design) API Number: Previously Approved Design (attach copy of design) API Number: Previously Approved Operating and Maintenance Plan API Number: Waste Removal Closure For Closed-loop Systems That Littize Above Ground Steel Tanks or Haul-off Bins Only: (19.15.17.13 NMAC) Isoposal Facility Vame: Envirotech Disposal Facility Permit Number: <u>NN-1-0011</u> Disposal Facility Name: <u>Invirotech Disposal Facility Permit Number</u> ; <u>NN-1-0011</u> Disposal Facility Name: <u>Invirotech Jack of future service and operations</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: Site Recation Plan - based upon the appropriate requirements of Subsection I of 19.15.17.13 NMAC Foregration Plan - based upon the appropriate requirements of Subsection I of 19.15.17.13 NMAC Cover Design Specifications - based upon the appropriate requirements of Subsection I of 19.15.17.13 NMAC Foregration Plan - based upon the appropriate requirements of Subsection I of 19.15.17.13 NMAC Foregration Plan - based upon the appropriate requirements of Subsection I of 19.15.17.13 NMAC Foregration Plan - based upon the appropriate requirements of Subsection I of 19.15.17.13 NMAC Foregration Plan - based upon the appropriate requirements of Subsection I of 19.15.17.13 NMAC Foregration Plan - based upon the appropriate requirements of Subsection I of 19.15.17.13 NMAC Foregration Plan - based upon the appropriate requirements of Subsection I of 19.15.17.13 NMAC Foregration Plan - based upon the appropriate requirements of Subsection I of 19.15.17.13 NMAC Foregration Plan - based upon the appropriate requirements of	X Signed in compliance with 19.15.3.103 NMA	C	DIST. 3	
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 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 Name: 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: Invirotech Disposal Facility Permit Number: WM-1-0011 Disposal Facility Name: Invirotech 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: Pyse (If yes, please provide the information below) MNo 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 I of 19.15.17.13 NMAC Bereator Application Certification: <td colspan="4">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 19.15.17.11 NMAC Image: Operating and Maintenance Plan - based upon the appropriate requirements of 19.15.17.12 NMAC Image: Operating and Maintenance Plan - based upon the appropriate requirements of 19.15.17.12 NMAC Image: Operating and Maintenance Plan - based upon the appropriate requirements of 19.15.17.12 NMAC Image: Operating and Plan Plan - based upon the appropriate requirements of Subsection C of 19.15.17.9 NMAC and 19.15.17.13 NMAC Image: Operating Approved Design (attach copy of design) API Number:</td>	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 19.15.17.11 NMAC Image: Operating and Maintenance Plan - based upon the appropriate requirements of 19.15.17.12 NMAC Image: Operating and Maintenance Plan - based upon the appropriate requirements of 19.15.17.12 NMAC Image: Operating and Maintenance Plan - based upon the appropriate requirements of 19.15.17.12 NMAC Image: Operating and Plan Plan - based upon the appropriate requirements of Subsection C of 19.15.17.9 NMAC and 19.15.17.13 NMAC Image: Operating Approved Design (attach copy of design) API Number:			
Disposal Facility Name: Image: 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? Press (If yes, please provide the information below) Image: 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 Soil Backfill and Cover Design Specifications - based upon the appropriate requirements of Subsection I of 19.15.17.13 NMAC Bit Reclamation Plan - based upon the appropriate requirements of Subsection G of 19.15.17.13 NMAC Comperator 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 Signature: Date: 3/8/13 e-mail address: aklem@energen.com Telephone: 505.324.4163	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 indentify the facility or facilities for the disposal of liquids, drilling fluids and drill cuttings. Use attachment if more than two facilities are required			
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:				
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): Adam Klem Signature: Date: 3/8/13 e-mail address: aklem@energen.com Telephone: 505.324.4163	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?			
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 Signature: Date: aklem@energen.com Telephone:	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			
Signature: Date: 3/8/13 e-mail address:	Operator Application Certification:			
e-mail address:aklem@energen.com Telephone:505.324.4163	Name (Print): Adam Klem	Title: Di	strict Engineer	
e-mail address: _aklem@energen.com Telephone:505.324.4163		Date:	3/8/13	
	-			
	e-mail address:ak remeener gen. com	Telephone	505.324.4163	

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OCD Representative Signature:	e Plan (only) Approval Date: <u>3/21/2013</u> 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.			
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: Disposal Facility Permit Number:			
Disposal Facility Name: Dispos	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)			
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):	Title:		
Signature:	_ Date:		
e-mail address:	Telephone:		

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 KCl 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.
- 3. 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.