"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

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.

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

| Type of action:  Permit of a pit, closed-loop system, below-grade tank, or proposed alternative method  Type of action:  Permit of a pit, closed-loop system, below-grade tank, or proposed alternative method  Closure plan only submitted for an existing permitted or non-permitted pidelow-grade tank, or proposed alternative method | native method                   |
|---|---------------------------------|
| Instructions: Please submit one application (Form C-144) per individual pit, closed-loop system, below-grade ta   | nk 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 we  | ater, ground water or the       |
| environment. Nor does approval relieve the operator of its responsibility to comply with any other applicable governmental authority's r  | ules, regulations or ordinances |
| Operator: Energen Resources Corporation OGRID #:162928  |                                 |
| Address: 2010 Afton Place, Farmington, NM 87401   |                                 |
| Facility or well name   |                                 |
| API Number: 30-039-3022 OCD Permit Number:  |                                 |
| U/L or Qtr/Qtr E Section 19 Township 25N Range 05W County:  | Rio Arriba                      |
| Center of Proposed Design Latitude 36.38575 N Longitude 107.40775 W   | NAD: □1927 🗵 1983               |
| Surface Owner.   Federal  State  Private  Tribal Trust or Indian Allotment  | Dava see                        |
| 2   | RCVD DEC 8'11                   |
| <b>X</b> Pit: Subsection F or G of 19.15.17.11 NMAC   | OIL CONS. DIV.                  |
| Temporary: X Drilling Workover  |                                 |
| Permanent Emergency Cavitation P&A  | DIST. 3                         |
| X Lined Unlined Liner type Thickness 20 mil X LLDPE HDPE PVC Other  |                                 |
| ☐ String-Reinforced   |                                 |
| Liner Seams: Welded X Factory Other Volume: 1500 bbl Dimensions: I  | 155 x W85 x D10                 |
| Closed-loop System: Subsection H of 19.15.17.11 NMAC  Type of Operation P&A Drilling a new well Workover or Drilling (Applies to activities which require prior intent)  Drying Pad Above Ground Steel Tanks Haul-off Bins Other  Lined Unlined Liner type: Thickness mil LLDPE HDPE PVC Other  Liner Seams: Welded Factory Other         |                                 |
| 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 LLDPE HDPE PVC Other     |                                 |
| \$  |                                 |

| 6 **  |                                    |
|---|------------------------------------|
| Fencing: Subsection D of 19.15.17.11 NMAC (Applies to permanent pits, temporary pits, and below-grade tanks)  |                                    |
| Chain link, six feet in height, two strands of barbed wire at top (Required if located within 1000 feet of a permanent residence, scho institution or church)   | ool, hospital,                     |
| Four foot height, four strands of barbed wire evenly spaced between one and four feet   |                                    |
| Alternate. Please specify   |                                    |
| Netting: Subsection E of 19.15.17.11 NMAC (Applies to permanent pits and permanent open top tanks)  |                                    |
| Screen Netting Other  |                                    |
| Monthly inspections (If netting or screening is not physically feasible)  |                                    |
| 8 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  |                                    |
| 9   |                                    |
| Administrative Approvals and Exceptions: Justifications and/or demonstrations of equivalency are required. Please refer to 19.15.17 NMAC for guidance.  |                                    |
| Administrative approval(s): Requests must be submitted to the appropriate division district or the Santa Fe Environmental Burconsideration of approval.   | reau office for                    |
| Exception(s): Requests must be submitted to the Santa Fe Environmental Bureau office for consideration of approval.   |                                    |
| 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 acmaterial are provided below. Requests regarding changes to certain siting criteria may require administrative approval from the applice or may be considered an exception which must be submitted to the Santa Fe Environmental Bureau office for consideration of Applicant must attach justification for request. Please refer to 19.15.17.10 NMAC for guidance. Siting criteria does not apply to drabove-grade tanks associated with a closed-loop system. | propriate district<br>of approval. |
| 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<br>☐ 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                         |
| 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: Instructions: Each of the following items must be attached to the application. Please indicate, by a checklist: Instructions: Each of the following items must be attached to the application. Please indicate, by a checklist: Instructions: Each of the following items must be attached to the application. Please indicate, by a checklist: Instructions: Each of the following items must be attached to the application. Please indicate, by a checklist: Instructions: Each of the following items must be attached to the application. Please indicate, by a checklist: Instructions: Each of the following items must be attached to the application. Please indicate, by a checklist: Instructions: Each of the following items must be attached to the application. Please indicate, by a checklist: Instructions: Each of the following items must be attached to the application. Please indicate, by a checklist: Instructions: Each of the following items must be attached to the application. Please indicate, by a checklist: Instructions: Each of the following items must be attached to the application. Please indicate, by a checklist: Instructions: Each of the following items must be attached to the application. Please indicate, by a checklist: Instructions: Each of the following items must be attached to the application. Please indicate, by a checklist: Instructions: Each of the following items must be attached to the application. Please indicate, by a checklist: Instructions: Each of the following items must be attached to the application. Please indicate, by a checklist: Instructions: Each of the following items must be attached to the application. Please indicate, by a checklist: Instructions: Each of the following items must be attached to the application. Please indicate, by a checklist: Instructions: Instructions: Instructions: Instructions: Instructions: Instructions: Instruction: Instructions: Instructions: Instructions: Instructions: Instru | ck mark in the box, that the documents are sion B of 19.15.17.9 NMAC of Subsection B of 19.15.17.9 NMAC NMAC |
|--|--|
| Treviously Approved Design (attach copy of design) Art Number of Perin   | nit 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 attached.  Geologic and Hydrogeologic Data (only for on-site closure) - based upon the requirements of Paragrap Siting Criteria Compliance Demonstrations (only for on-site closure) - 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 Boxes 14 through 18, if applicable) - based upon the appropriate requirement 19.15.17.13 NMAC  | th (3) of Subsection B of 19.15.17.9 direments of 19.15.17.10 NMAC   |
| Previously Approved Design (attach copy of design)  API Number.  |  |
| Previously Approved Operating and Maintenance Plan API Number:  above ground steel tanks or haul-off bins and propose to implement waste removal for closure)  | (Applies only to closed-loop system that use   |
| 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 checklist attached.  Hydrogeologic Report - based upon the requirements of Paragraph (1) of Subsection B of 19.15.17.9 N Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19.15.17.10 N 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 Liner Specifications and Compatibility Assessment - based upon Quality Control/Quality Assurance Construction and Installation Plan the appropriate requirements of 19.15.17.12 NMAC Freeboard and Overtopping Prevention 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 Nuisance or Hazardous Odors, including H2S, 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.   | MAC<br>NMAC<br>11 NMAC<br>19.15.17.11 NMAC<br>NMAC   |
| Proposed Closure: 19.15.17.13 NMAC  Instructions: Please complete the applicable boxes, Boxes 14 through 18, in regards to the proposed closure in the | w-grade Tank   |
| Waste Excavation and Removal Closure Plan Checklist: (19.15.17.13 NMAC) Instructions: Each of 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  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 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   | of-19.15.17 13 NMAC<br>H of 19.15 17.13 NMAC   |

| Waste Removal Closure For Closed-loop Systems That Utilize Above Gro<br>Instructions. Please indentify the facility or facilities for the disposal of liquid   | und Steel Tanks or Haul-off Bins Only: (19.15.17.13.1<br>ls, drilling fluids and drill cuttings Use attachment if mo  | D NMAC)<br>re than two |  |  |  |  |  |  |
|--|---|------------------------|--|--|--|--|--|--|
| facilities are required. Disposal Facility Name.   | Disposal Facility Permit Number:  | <u></u>                |  |  |  |  |  |  |
| Disposal Facility Name:  | Disposal Facility Permit Number:  |                        |  |  |  |  |  |  |
| Will any of the proposed closed-loop system operations and associated activiti operations?   | 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  |                        |  |  |  |  |  |  |
| Yes (If yes, please provide the information below) No  |   |                        |  |  |  |  |  |  |
| Required for impacted areas which will not be used for future service and open Soil Backfill and Cover Design Specifications based upon the appropriate requirements of Subset Site Reclamation Plan - based upon the appropriate requirements of Subset Council Site Reclamation Plan - based upon the appropriate requirements of Subset Council Site Reclamation Plan - based upon the appropriate requirements of Subset Council Site Reclamation Plan - based upon the appropriate requirements of Subset Council Site Reclamation Plan - based upon the appropriate requirements of Subset Council Site Reclamation Plan - based upon the appropriate requirements of Subset Council Site Reclamation Plan - based upon the appropriate requirements of Subset Council Site Reclamation Plan - based upon the appropriate requirements of Subset Council Site Reclamation Plan - based upon the appropriate requirements of Subset Council Site Reclamation Plan - based upon the appropriate requirements of Subset Council Site Reclamation Plan - based upon the appropriate requirements of Subset Council Site Reclamation Plan - based upon the appropriate requirements of Subset Council Site Reclamation Plan - based upon the appropriate requirements of Subset Council Site Reclamation Plan - based upon the appropriate requirements of Subset Council Site Reclamation Plan - based upon the appropriate requirements of Subset Council Site Reclamation Plan - based upon the appropriate requirements of Subset Council Site Reclamation Plan - based upon the appropriate requirements of Subset Council Site Reclamation Plan - based upon the appropriate requirements of Subset Council Site Reclamation Plan - based upon the appropriate requirements of Subset Council Site Reclamation Plan - based upon the appropriate requirements of Subset Council Site Reclamation Plan - based upon the appropriate requirements of Subset Council Site Reclamation Plan - based upon the appropriate requirements of Subset Council Site Reclamation Plan - based upon the appropriate requirements | opriate requirements of Subsection H of 19.15.17.13 NM/<br>ection I of 19.15.17.13 NMAC   | AC                     |  |  |  |  |  |  |
| Siting Criteria (regarding on-site closure methods only: 19.15.17.10 NMA Instructions: Each siting criteria requires a demonstration of compliance in provided below. Requests regarding changes to certain siting criteria may rebe considered an exception which must be submitted to the Santa Fe Environ and/or demonstrations of equivalency are required. Please refer to 19.15.17.  | the closure plan. Recommendations of acceptable sou<br>equire administrative approval from the appropriate dist<br>amental Bureau office for consideration of approval. J   | rict office or may     |  |  |  |  |  |  |
| 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<br>☐ 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   |   | ☐ Yes 👿 No<br>☐ 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 othe lake (measured from the ordinary high-water mark).  - Topographic map; Visual inspection (certification) of the proposed si   |   | Yes No                 |  |  |  |  |  |  |
| Within 300 feet from a permanent residence, school, hospital, institution, or ch - Visual inspection (certification) of the proposed site; Aerial photo; Sa  |   | ☐ Yes ☒ No             |  |  |  |  |  |  |
| Within 500 horizontal feet of a private, domestic fresh water well or spring that watering purposes, or within 1000 horizontal feet of any other fresh water well  NM Office of the State Engineer - iWATERS database; Visual inspec   | or spring, in existence at the time of initial application.   | Yes X No               |  |  |  |  |  |  |
| Within incorporated municipal boundaries or within a defined municipal fresh adopted pursuant to NMSA 1978, Section 3-27-3, as amended.  - Written confirmation or verification from the municipality; Written as  | ·   | Yes X 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-M  | fining and Mineral Division   | ☐ Yes ☒ No             |  |  |  |  |  |  |
| Within an unstable area.  - Engineering measures incorporated into the design; NM Bureau of Go Society; Topographic map  | eology & Mineral Resources; USGS; NM Geological   | ☐ Yes ☒No              |  |  |  |  |  |  |
| Within a 100-year floodplain FEMA map  |   | ☐ Yes ☐No              |  |  |  |  |  |  |
| On-Site Closure Plan Checklist: (19.15.17.13 NMAC) Instructions: Each by a check mark in the box, that the documents are attached.   | of the following items must be attached to the closure pla  | n. Please indicate,    |  |  |  |  |  |  |
| Siting Criteria Compliance Demonstrations - based upon the appropriate re Proof of Surface Owner Notice - based upon the appropriate requirements Construction/Design Plan of Burial Trench (if applicable) based upon the Construction/Design Plan of Temporary Pit (for in-place burial of a drying Protocols and Procedures - based upon the appropriate requirements of 19.  Confirmation Sampling Plan (if applicable) - based upon the appropriate requirements of Disposal Facility Name and Permit Number (for liquids, drilling fluids and Soil Cover Design - based upon the appropriate requirements of Subsection Re-vegetation Plan - based upon the appropriate requirements of Subsection Site Reclamation Plan - based upon the appropriate requirements of Subsection Site Reclamation Plan - based upon the appropriate requirements of Subsections.   | of Subsection F of 19.15.17.13 NMAC appropriate requirements of 19.15.17.11 NMAC pad) - based upon the appropriate requirements of 19.15 15.17 13 NMAC equirements of Subsection F of 19.15.17.13 NMAC of Subsection F of 19 15 17.13 NMAC I drill cuttings or in case on-site closure standards cannot in H of 19.15.17.13 NMAC on I of 19.15.17.13 NMAC |                        |  |  |  |  |  |  |

| Operator Application Certification:  I hereby certify that the information submitted with this application is true, accurate and  | d complete to the best of my knowledge and belief.  |
|---|---|
| Name (Print):   | Title:  |
| Signature:  | Date:   |
| e-mail address:   | Telephone:  |
| OCD Representative Signature:   | Plan (only) OCD Conditions (see attachment)  Approval Date: 12/13/2011  Permit Number:  |
| Closure Report (required within 60 days of closure completion): Subsection K of I Instructions: Operators are required to obtain an approved closure plan prior to impreport. The closure report is required to be submitted to the division within 60 days of complete this section of the form until an approved closure plan has been obtained an  | 9.15.17.13 NMAC lementing any closure activities and submitting the closure f the completion of the closure activities. Please do not |
| Closure Method:  Waste Excavation and Removal Con-Site Closure Method Alternative Closure If different from approved plan, please explain.  | ure Method  |
| Closure Report Regarding Waste Removal Closure For Closed-loop Systems That.  Instructions: Please indentify the facility or facilities for where the liquids, drilling flethan two facilities were utilized.  Disposal Facility Name:  | uids and drill cuttings were disposed. Use attachment if more   |
| Disposal Facility Name: Disposa   |   |
| Were the closed-loop system operations and associated activities performed on or in are  Yes (If yes, please demonstrate compliance to the items below) No  | as that will not be used for future service and operations?   |
| 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   |   |
| Closure Report Attachment Checklist: Instructions Each of the following items must mark in the box, that the documents are attached.  Proof of Closure Notice (surface owner and division) Proof of Deed Notice (required for on-site closure) Plot Plan (for on-site closures and temporary pits) Confirmation Sampling Analytical Results (if applicable) Waste Material Sampling Analytical Results (required for on-site closure) 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 36.23093 Longitude | st be attached to the closure report. Please indicate, by a check  -107.29262 NAD: □ 1927 🔀 1983                                      |
| 25  |   |
| Operator Closure Certification:  I hereby certify that the information and attachments submitted with this closure report belief. I also certify that the closure complies with all applicable closure requirements a   |   |
| Name (Print): Anna Stotts   | Title: Regulatory Analyst   |
| Signature:  | Date: 12/3/11   |
| e-mail address: astotts@energen.com   | Telephone: 505-324-4154   |

## Well Name: Jicarilla 67 #21

## Reserve Pit - Final Closure Report

The pit will be closed with in place burial. If the pit is located on private surface, the surface owner will be notified prior to closure by certified mail and the return receipt will be included in the closure packet. The OCD will be verbally or by other means notified at least 72 hours and not more then one week prior to the pit closing. The following process will be used to close the pit:

Notification to the Jicarilla Agency is included in this closure report package. Surface owner notification not required.

1) At time of closure, all free standing fluids will be removed and reused or disposed with Agua Moss LLC in the Pretty Lady #1 (Disposal API Number # 30-048-30922) or an Energen operated permitted disposal well. The contents will be solidified to a bearing capacity sufficient to support the final cover. This will be accomplished by mixing the contents with soil at a mixing ratio no greater then 3:1 soil to contents.

Fluids were removed and properly disposed in the Aqua Miss Pretty Lady #1. The pit contents were solidified by mixing the contents with soil at a mixing ratio of approximately 3:1.

2) The liner will be cut off at the mud line of the stabilized contents.

The liner was cut off at the mud line of the stabilized contents.

3) Sampling will be done by collecting a minimum of a five-point composite sample of the contents after stabilization. The sample will be analyzed for the following components (if the groundwater is less than 100 feet below the pit but greater than 50 feet, testing for chlorides will be done to the lower limit);

| Components | Tests Method              | Limit<br>(mg/Kg)     | Results<br>(mg/Kg) |
|------------|---------------------------|----------------------|--------------------|
| Benzene    | EPA SW-846 8021B or 8260B | 0.2                  | .0016              |
| BTEX       | EPA SW-846 8021B or 8260B | 50                   | .645               |
| TPH        | EPA SW-846 418.1          | 2500                 | 2256               |
| GRO/DRO    | EPA SW-846 8015M          | 500                  | 16.7               |
| Chlorides  | EPA 300.1                 | <del>500</del> /1000 | 240                |

Sampling results are listed in the above table.

4) After demonstrating that the stabilized contents are under the limits listed above, the contents will be covered with compacted non-waste containing earthen material to a minimum of three feet. If stabilized contents exceed a volume that can be covered with three feet of earth and a foot of topsoil the excess contents will be removed and sent to Envirotech (Permit NM-01-0011) or IEI Landfarm (Permit NM-01-0010B). If the stabilized contents do no meet the above stated limits the stabilized contents will all be hauled to Envirotech pursuant to excavation and removal guidelines (19.15.17.13 B1).

The contents were covered with three feet of compacted non-waste containing material.

5) After the stabilized contents have been covered, the stockpiled topsoil will be replaced to a minimum depth of one foot. Topsoil cover will be graded to prevent ponding of water and erosion of the cover material. This will be accomplished within six months of rig release.

The stockpiled topsoil was replaced to a depth of one foot and graded to prevent ponding and erosion.

6) The exact location of the on-site burial will be reported to the Aztec field office on the C-105 form. A deed notice identifying the exact location of the on-site burial will be filed with the county clerk if the pit is on private surface.

The C-105 form is attached. This pit is located on public surface. Proof of Deed notice not required unless pit is located on private surface (per NMOCD FAQ dated 10/30/09).

7) The final closure report (C-144) will be filed within 60 days of closure completion and include sampling results, plot plan, details on backfilling, covering and inspections during the life of the pit.

This closure report includes sampling results, plot plan, closure details, inspections, and photos.

8) If the pit is located on federal or tribal surface, seeding will be deferred to BLM requirements per the BLM / OCD MOU. Otherwise, the disturbed area will be seeded or planted the first growing season after closing the pit. Seed will be drilled on the contour whenever practical or by other division-approved methods. The goal is to obtain vegetative cover that equals 70% of the native cover (un-impacted by overgrazing, fire or other intrusion damaging to native vegetation) consisting of at least three native plant species,

including at least one grass but not including noxious weeds. Cover will be maintained through two successive growing seasons. During the two growing seasons that prove viability there shall be no artificial irrigation of the vegetation. Seeding or planting will continue until the required cover is reached. If conditions are not favorable to establishment of vegetation due to periods of drought or similar problems then the Aztec office of the OCD will be notified. The Aztec office of the OCD will also be notified when the disturbed ground successfully achieves re-vegetation.

# The pit is located on Federal or Tribal surface, seeding is deferred to BLM requirements per the BLM / OCD MOU.

9) Until the abandonment of the wells on the pad where the pit is located, a steel marker no less then four inches in diameter will be cemented in a hole three feet deep in the center of the onsite burial. The top of this marker will be flush with the ground. Once all wells on the pad are abandoned, a four foot tall riser will be welded on top of the marker with; operator name, lease number, well name and number, unit number, section, township and range, and a designation that it is an onsite burial location.

The marker was installed in the center of the closed pit. The marker is set flush to the ground until final abandonment. At the time of abandonment, a four foot riser will be installed and marked as follows: Energen Resources – Lease # Jicarilla Contract 67 – Jicarilla 67 #21 – Unit E – Sec. 19, T25N, R05W – Pit Burial Site.

| Submit to Appropriat                  | e District Of  | fice                                  |                           |                                    | tate of Ne                  |                        |                     |        |                    |   |                     |               | I                         | Form C-105     |
|---------------------------------------|----------------|---------------------------------------|---------------------------|------------------------------------|-----------------------------|------------------------|---------------------|--------|--------------------|---|---------------------|---------------|---------------------------|----------------|
| District I<br>1625 N French Dr., I    | lobbs, NM      | 88240                                 | E                         | nergy, Mi                          | nerals and                  | d Natı                 | ıral Re             | sour   | ces                | 1. WELL API NO.   |                     |               |                           | July 17, 2008  |
| District II.<br>1301 W Grand Aven     | ue, Artesia, l | NM 88210                              | OIL CONSERVATION DIVISION |                                    |                             |                        |                     |        | 30-039-31022       |   |                     |               |                           |                |
| District III.<br>1000 Rio Brazos Rd , | Aztec, NM      | 87410                                 |                           |                                    | JNSERVA<br>20 South S       |                        |                     | JN     | ĺ                  | 2. Type Of Lease  STATE FEE FED/IND  3. State Oil & Gas Lease No. |                     |               |                           |                |
| District IV<br>1220 S St Francis D    |                |                                       |                           |                                    | anta Fe, N                  |                        |                     |        |                    |   |                     |               |                           | ED/INDIAN      |
| 1220 by Transis b                     | - , santa i e, |                                       |                           |                                    |                             |                        |                     |        |                    |   |                     |               |                           |                |
|                                       | ·              | TION OR R                             | ECO                       | MPLETION                           | REPORT                      | AND                    | LOG                 |        |                    |   |                     |               |                           |                |
| 4 Reason for film                     | _              |                                       |                           |                                    |                             |                        |                     | ,      |                    | 5 Lease Name or Unit Agreement Name  Jicarilla 67  6 Well Number  |                     |               |                           | me             |
| _                                     |                |                                       |                           | through #31 fo                     |                             |                        |                     |        |                    |   |                     |               |                           |                |
| #33, attach this and                  | the plat to    | TACHMENT<br>the C-144 clo             | (Fill in<br>sure rep      | boxes #1 throu<br>bort in accordan | igh #9, #15 Dice with 19 15 | ate Rig R<br>5.17.13.K | Released a<br>NMAC) | nd #32 | and/or             | #21   |                     |               |                           |                |
| 9 Type of Comple                      |                | WORKOVER                              |                           | DEEPENING [                        | ☐ PLUGBA                    | ск 🗆                   | DIFFE               | RENT I | RESERVO            | OIR X C   | THER                | pit           | closur                    | 9              |
| 8. Name of Opera                      | tor            |                                       |                           | - · · ·                            |                             |                        |                     |        |                    | 9. OGRIE  | Number              |               |                           |                |
| Energen Re                            |                | Corporat                              | ion                       |                                    |                             |                        |                     |        |                    |   | 2928                | Valdage       |                           |                |
| 2010 Afton                            |                | Farming                               | -on                       | NM 87401                           |                             |                        |                     |        |                    | 11 Pools  | name or v<br>Dakot  |               |                           |                |
|                                       | Init Letter    | Section                               |                           | Township                           | Range                       | Lo                     | t                   | Feet   | from the           | N/S Line  |                     |               | E/W Line                  | County         |
| Surface                               | Ē              | 19                                    |                           | 25 N                               | 05W                         |                        |                     |        |                    |   |                     |               |                           |                |
| ВН                                    |                |                                       | ]                         |                                    |                             |                        |                     |        |                    |   |                     |               |                           |                |
| 13 Date Spudded                       | 14 D           | Date T.D. Reach                       | ied                       | 15 Date Rig<br>5/24/3              |                             |                        | 16 D                | ate Co | mpleted (F         | Ready to Pro  | duce)               |               | Elevations (<br>GR, etc ) | (DF & RKB,     |
| 18. Total Measure                     | d Depth of     | Well                                  |                           |                                    | k Measured D                | Depth                  | 20 W                | as Dir | ectional S         | urvey Made  | 21                  | Туре Е        | Electric and              | Other Logs Run |
| 22 Producing Inte                     | rval(s), of    | this completion                       | ı - Top,                  | Bottom, Name                       | :                           |                        |                     |        |                    |   | <u> </u>            | <u> </u>      |                           |                |
|                                       |                |                                       |                           | CASING D                           | FCOPD                       | (Dono                  | mt all at           |        | aat in 1           |   | L,                  |               |                           |                |
| CASING SIZ                            | Æ              | WEIGHT LB                             |                           | CASING R                           |                             |                        | rt an st<br>LE SIZE | rings  |                    | EMENTING  | G RECO              | RD            | AMC                       | OUNT PULLED    |
|                                       |                |                                       |                           |                                    |                             |                        |                     |        |                    |   |                     |               |                           |                |
|                                       |                |                                       |                           |                                    |                             |                        |                     |        |                    |   |                     |               |                           |                |
|                                       |                |                                       |                           |                                    |                             |                        |                     |        |                    |   |                     |               |                           |                |
|                                       |                |                                       |                           |                                    |                             |                        |                     |        |                    |   |                     |               |                           |                |
| 24                                    |                |                                       | LD                        | TED DECOR                          |                             |                        |                     |        | 105                |   | UDDIO               | DEC           | 000                       |                |
| SIZE                                  | ТОР            | · · · · · · · · · · · · · · · · · · · | BOT                       | ER RECOR                           | D<br>SACKS CEN              | MÉNT                   | SCI                 | REEN   | 25.<br>SIZI        |   | <u>UBING</u><br>Lde | REC<br>PTH SI |                           | PACKER SET     |
|                                       |                |                                       |                           |                                    |                             |                        |                     |        |                    |   |                     |               |                           |                |
|                                       |                |                                       |                           |                                    |                             |                        |                     |        |                    |   |                     |               |                           |                |
| 26. Perforation re                    | cord (inter    | val, size, and n                      | umber)                    |                                    |                             |                        |                     |        |                    | ACTURE,   |                     |               |                           |                |
|                                       |                |                                       |                           |                                    |                             |                        | DEPTI               | IINTE  | KVAL               | AMOU  | NI AND              | KIND          | MATERIA                   | IL USED        |
|                                       |                |                                       |                           |                                    |                             |                        |                     |        |                    |   |                     |               |                           |                |
| 28.                                   |                |                                       |                           |                                    | PRC                         | DHC                    | TION                |        |                    |   |                     |               |                           |                |
| Date First Producti                   | on             | Produc                                | tion Me                   | thod (Flowing                      |                             |                        |                     | ре рит | p)                 | <u> </u>  | W                   | ell Stat      | us (Prod o                | r Shut-ın)     |
| Date of Test                          | Н              | ours Tested                           |                           | Choke Size                         | Prod'n For<br>Test Period   | · (                    | Dil - Bbl.          |        | Gas - M            | CF W  | /ater - Bb          | ·l            | Gas - O                   | ıl Ratıo       |
| Flow Tubing                           | Ca             | asing Pressure                        | +                         | Calculated 24-                     | Oil - Bbl                   |                        | Gas - N             | //CF   | ı Wat              | er - Bbl  | 0                   | l Gravi       | ty - API -(0              | Corr )         |
| Press.                                |                |                                       |                           | Hour Rate                          |                             |                        |                     |        |                    |   |                     |               | .,                        | ,              |
| 29. Disposition of                    | Gas (Sola      | l, used for fuel,                     | vented,                   | etc)                               |                             |                        |                     |        |                    | 30.   | Test Witi           | nessed        | Ву                        |                |
| 31 List Attachme                      | nts            |                                       |                           | ·····                              |                             |                        |                     |        |                    |   |                     |               |                           |                |
| 32 If a temporary                     | pit was use    | ed at the well, a                     | attach a                  | plat with the lo                   | ocation of the              | temporar               | y pit.              |        |                    | <u></u>   |                     |               |                           |                |
| 33 If an on-site bi                   | urial was u    | sed at the well,                      | report                    | the exact location                 |                             |                        |                     |        | Ţ,                 | ·   | 107.00              |               | NAD                       | 1027 9 1002    |
| I hereby certify                      | that the in    | formuly on the                        | own or                    |                                    |                             |                        | 36.230<br>d comple  |        | Longi<br>he best o |   | 107.29<br>edge an   |               |                           | 1927 X 1983    |
| Signature 4                           | ywu            | Oto                                   | 1                         | S Printo<br>Name                   |                             | Anna                   | Stotts              | 3      | Titl               | <sub>le</sub> Regul   | atory               | Analy         | yst Date                  | 11/25/11       |
| E-mail address                        |                | astotts@e                             | nerge                     | en.com `````                       | -                           |                        |                     |        | 110                |   |                     |               |                           |                |

DISTRICT I 1625 N. French Dr., Hobbs, N.M. 88240

DISTRICT II 1301 W. Grand Avenue, Artesia, N.M. 88210

State of New Mexico
Energy, Minerals & Natural Resources Department

The State of the S

Form C-102 Revised July 10, 2010

District Office

OIL CONSERVATION DIVISION

CUNDERVALION — Farmington Field Office 1220 South St. Francis Dr. Bureau of Land Managen (E) AMENDED REPORT

FER () Submit one copy to appropriate

1000 Rio Brazos Rd., Aztec, N.M. 67410

DISTRICT III

DISTRICT IV 1220 S. St. Francis Dr., Santa Fe, NM 87505

WELL LOCATION AND ACREAGE DEDICATION PLAT

| 1 API Number<br>30 - 039 - 31022 | <sup>a</sup> Pool Code<br>71599 | Pool Name BASIN DAKOTA |               |  |
|----------------------------------|---------------------------------|------------------------|---------------|--|
| *Property Code                   | <sup>8</sup> Property           | Name                   | * Well Number |  |
| 21935                            | JICARILLA 67                    |                        |               |  |
| OGRID No.                        | Operator Name                   |                        |               |  |
| 162928                           | ENERGEN RESOURCE                | S CORPORATION          | 6623'         |  |

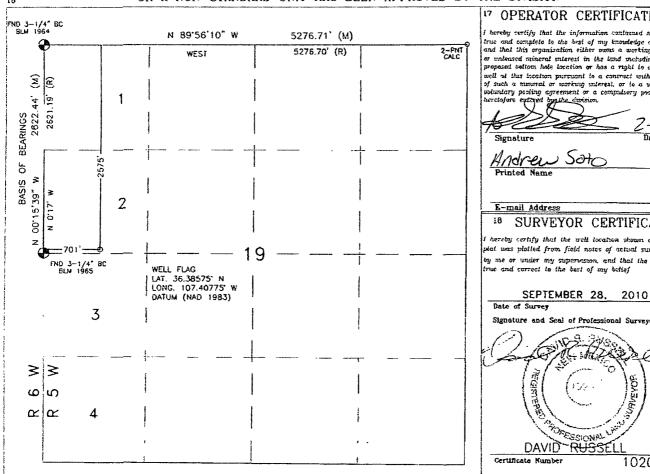
10 Surface Location

| - | UL or lot no. | Section | Township | Range | Lot Idn | Feet from the | North/South line | Feet from the | East/West line | County     |  |
|---|---------------|---------|----------|-------|---------|---------------|------------------|---------------|----------------|------------|--|
|   | Ε             | 19      | 25N      | 5W    | 2       | 2575'         | NORTH            | 701'          | WEST           | RIO ARRIBA |  |

11 Bottom Hole Location If Different From Surface

| UL or lot no. Section Township                    | Range Lot Idn                 | Feet from the North/South line | Feet from the East/West line | County |
|---|-------------------------------|--------------------------------|------------------------------|--------|
| <sup>12</sup> Dedicated Acres  W/2 - 319.24 ACRES | <sup>13</sup> Joint or Infill | "Consolidation Code            | □ Order No.                  |        |

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION



#### 17 OPERATOR CERTIFICATION

I hereby vertify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest ar unleased mineral interest in the land including the proposed sottom hole location or has a right to drill thu: proposed bettom tools exection or has a right to draft this world at that becottom parament to a contract with an ounce of such a minural or nonling unferest, or to a voluntary voluntary posting agreement or a computatory proling order heretofore extract by the invision.

## 18 SURVEYOR CERTIFICATION

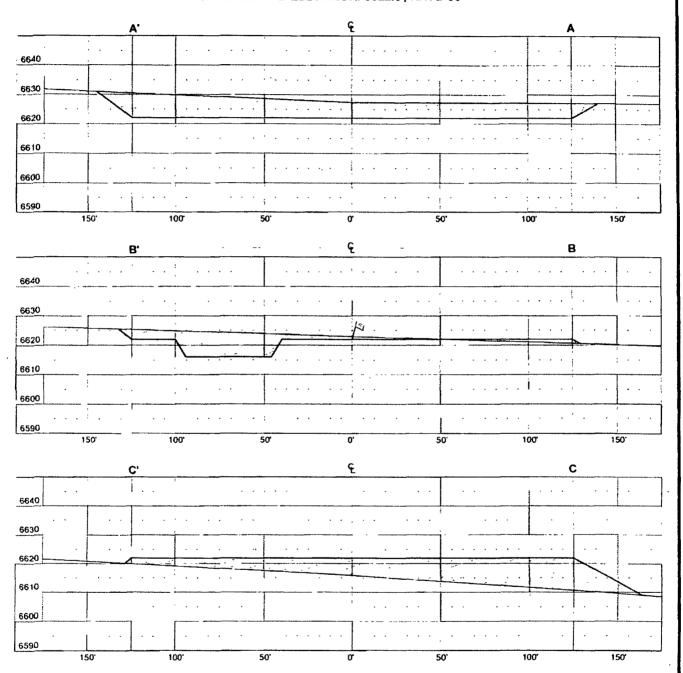
plat was plotted from field notes of actual surveys mad by me or under my supervision, and that the same is true and correct to the best of my belief

PORESSIONAL

10201

## **ENERGEN RESOURCES CORPORATION**

JICARILLA 67 #21
2575' FNL & 701' FWL
LOCATED IN THE SW/4 NW/4 OF SECTION 19,
T25N, R5W, N.M.P.M.,
RIO ARRIBA COUNTY, NEW MEXICO
GROUND ELEVATION: 6623', NAVD 88
FINISHED PAD ELEVATION: 6622.0', NAVD 88



VERT. SCALE: 1" = 30' HORZ. SCALE: 1" = 50' JOB No.: ERG293 DATE: 10/18/10





Russell Surveying 1409 W. Aztec Bivd. #2 Aztec, New Mexico 87410 (505) 334-8637

#### **WELL FLAG**

LÁTITUDE: 36.38575° N LONGITUDE: 107.40775° W

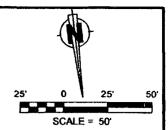
DATUM: NAD 83 CENTER OF PIT

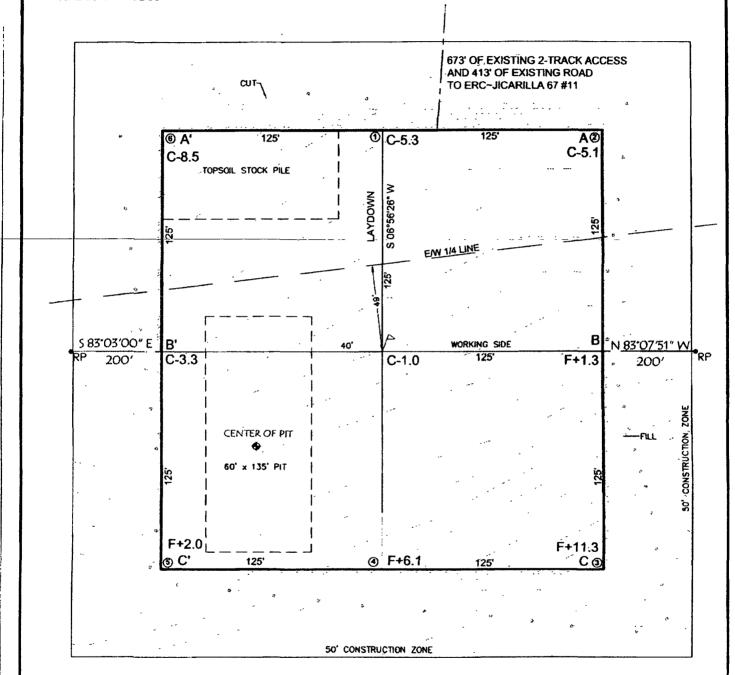
LATITUDE: 36.38586° N LONGITUDE: 107.40742° W ELEVATION: 6610.0'

:LEVATION: 6610.0 NAD83 & NAVD88

## **ENERGEN RESOURCES CORPORATION**

JICARILLA 67 #21
2575' FNL & 701' FWL
LOCATED IN THE SW/4 NW/4 OF SECTION 19,
T25N, R5W, N.M.P.M.,
RIO ARRIBA COUNTY, NEW MEXICO
GROUND ELEVATION: 6623', NAVD 88
FINISHED PAD ELEVATION: 6622.0', NAVD 88





1 FOOT CONTOUR INTERVAL SHOWN

SCALE: 1" = 50" JOB No.: ERG293 DATE: 10/18/10 DRAWN BY: GRR



Russell Surveying 1409 W. Aztec Blvd. #2 Aztec, New Mexico 87410 (505) 334-8637

### **Anna Stotts**

From:

Ed Hasely

Sent:

Tuesday, July 12, 2011 7:14 AM

To:

Anna Stotts

Subject:

FW: Reserve Pit - Jicarilla 67 #21

Attachments: Energen-Jicarilla 67 #21.pdf

FYI - Documentation that Michael contacted the Jicarilla concerning the upcoming closure of this reserve pit.

#### **Ed Hasely**

### **Energen Resources Corporation**

From: Michael Dean

Sent: Monday, July 11, 2011 7:58 AM

To: 'bbvac@windstream.net'; 'brycehammond@jicarillaoga.com'

Cc: Ed Hasely

Subject: FW: Reserve Pit - Jicarilla 67 #21

We will get set up and cover this pit as soon as possible included is copies of the samples taken from the pit.

Michael L. Dean Energen Resources Construction Foreman (505)-330-0342



## **Proof of Closure Notice**

The OCD notification on this closure was inadvertently missed by the contractor. Energen Resources notified the contractor that the notification is mandatory and must be made.



## United States Department of the Interior

# BUREAU OF INDIAN AFFAIRS Jicarilla Agency P.O. Box 167 Dulce, New Mexico 87528



AUG 0 9 2011

Mr. David M. Poage Energen Resources Corporation 2010 Afton Place Farmington, New Mexico 87401

Dear Mr. Poage:

CC:

This is in reference to your request for permission to perform work on the following location that is on TRIBAL SURFACE:

#### Jicarilla 67 #21:

Section 19, Township 25 North, Range 5 West, County of Rio Arriba, State of New Mexico

## Scope of Work:

Perform/complete dirt reclamation of the, Jicarilla 67 #21 well pad location.

The Bureau of Indian Affairs, Jicarilla Agency, hereby grants, Energen Resources Corporation and Triple F Construction & Field Service, LLC, permission to perform work on the above mentioned location.

Bureau of Indian Affairs, hereby request an Affidavit of Completion and final report, when the project is completed.

If you have any questions, please contact Kurt Sandoval, Petroleum Engineer Technician, at (575) 759-3936.

Sincerely,

Supérintendent

Ms. Deidra Florez, Triple F Construction & Field Service, LLC



## EPA METHOD 8021 AROMATIC VOLATILE ORGANICS

| Client:            | Energen Res. | Project #:          | 03022-0168 |
|--------------------|--------------|---------------------|------------|
| Sample ID:         | Reserve Pit  | Date Reported:      | 07-06-11   |
| Laboratory Number: | 58751        | Date Sampled:       | 06-29-11   |
| Chain of Custody:  | 12072        | Date Received:      | 06-30-11   |
| Sample Matrix:     | Sludge       | Date Analyzed:      | 07-05-11   |
| Preservative:      | Cool         | Date Extracted:     | 07-01-11   |
| Condition:         | Intact       | Analysis Requested: | BTEX       |
|                    |              | Dilution:           | 10         |

| Remarks   | Concentration | Det.<br>Limit |  |
|-----------|---------------|---------------|--|
| Parameter | (ug/Kg)       | (ug/Kg)       |  |
|           |               |               |  |
| Benzene   | 16            | nα            |  |

| Benzene      | 1.6  | 0.9 |
|--------------|------|-----|
| Toluene      | 15.9 | 1.0 |
| Ethylbenzene | 7.8  | 1.0 |
| p,m-Xylene   | 28.4 | 1.2 |
| o-Xylene     | 10.8 | 0.9 |
| Total BTEX   | 64.5 |     |

ND - Parameter not detected at the stated detection limit.

| Surrogate Recoveries: | Parameter           | Percent Recovery |
|-----------------------|---------------------|------------------|
|                       | Fluorobenzene       | 100 %            |
|                       | 1,4-difluorobenzene | 104 %            |
|                       | Bromochlorobenzene  | 108 %            |

References:

Method 5030B, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA,

December 1996.

Method 8021B, Aromatic Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846,

USEPA, December 1996.

Comments:

Jicarllla 67 #21

Analyst

Review



## **EPA METHOD 418.1 TOTAL PETROLEUM HYDROCARBONS**

Client: Energen Res. Project #: 03022-0168 Sample ID: Reserve Pit Date Reported: 07/01/11 58751 Date Sampled: 06/29/11 Laboratory Number: Date Received: Chain of Custody No: 12072 06/30/11 Sample Matrix: Sludge Date Extracted: 07/01/11 Preservative: Date Analyzed: 07/01/11 Cool Condition: Analysis Needed: TPH-418.1 Intact

|           | ,             | Det.    |
|-----------|---------------|---------|
|           | Concentration | Limit   |
| Parameter | (mg/kg)       | (mg/kg) |

**Total Petroleum Hydrocarbons** 

2,256

5.0

ND = Parameter not detected at the stated detection limit.

References:

Method 418.1, Petroleum Hydrocarbons, Total Recoverable, Chemical Analysis of Water

and Waste, USEPA Storet No. 4551, 1978.

Comments:

Jicarilla 67 #21

Analyst

Ph (505) 632-0615 Fr (800) 362-1879 Fx (505) 632-1865 lab@envirotech-inc.com envirotech-inc.com



## **EPA METHOD 8015 Modified** Nonhalogenated Volatile Organics **Total Petroleum Hydrocarbons**

| Client:              | Energen Res. | Project #:          | 03022-0168 |
|----------------------|--------------|---------------------|------------|
| Sample ID:           | Reserve Pit  | Date Reported:      | 07-06-11   |
| Laboratory Number:   | 58751        | Sampled:            | 06-29-11   |
| Chain of Custody No: | 12072        | Date Received:      | 06-30-11   |
| Sample Matrix:       | Sludge       | Date Extracted:     | 07-01-11   |
| Preservative:        | Cool         | Date Analyzed:      | 07-05-11   |
| Condition:           | Intact       | Analysis Requested: | 8015 TPH   |

| Parameter                    | Concentration<br>(mg/Kg) | Det.<br>Limit<br>(mg/Kg) |
|------------------------------|--------------------------|--------------------------|
| Gasoline Range (C5 - C10)    | ND                       | 0.2                      |
| Diesel Range (C10 - C28)     | 16.7                     | 0.1                      |
| Total Petroleum Hydrocarbons | 16.7                     |                          |

ND - Parameter not detected at the stated detection limit.

References:

Method 8015B, Nonhalogenated Volatile Organics, Test Methods for Evaluating Solid

Waste, SW-846, USEPA, December 1996.

Comments:

Jicarilla 67 #21

Analyst



## Chloride

Client: Energen Project #: 03022-0168 Sample ID: Reserve Pit Date Reported: 07/06/11 58751 Lab ID#: Date Sampled: 06/29/11 Sample Matrix: Sludge Date Received: 06/30/11 Cool Preservative: Date Analyzed: 07/05/11 Condition: Intact Chain of Custody: 12072

Parameter Concentration (mg/Kg)

Total Chloride 240

Reference: U.S.E.P.A., 4500B, "Methods for Chemical Analysis of Water and Wastes", 1983.

Standard Methods For The Examination of Water And Waste Water", 18th ed., 1992.

Comments: Jicarilla 67 #21

Analyst Review

5796 US Highway 64, Farmington, NM 87401 Ph (505) 632-0615 Fr (800) 362-1879 Fx (505) 632-1865 lab@envirotech-inc.com envirotech-inc.com



## Pit Inspection Log Sheet

(daily while rig is on-site, then weekly as long as liquids remain in the pit)

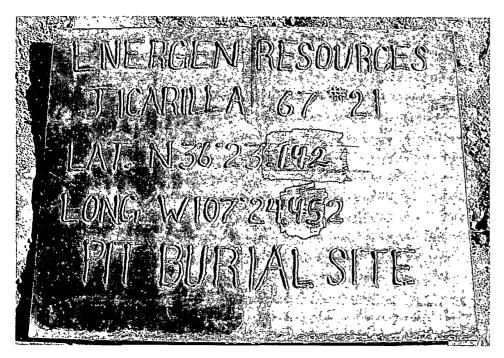
| Well Name: TICARILLA 67#2     | API: 30,7039-                         | 31022              |
|-------------------------------|---------------------------------------|--------------------|
| Name (Print): 14 cuin Hackett | Signature: The Unclutt                | Date: 5 - / 0 - // |
| Note Any Deficiencies:        |                                       |                    |
| Name (Print): Kevin Hackett   | Signature: The Hack Itt               | Date: 5-//- //     |
| Note Any Deficiencies:        |                                       |                    |
| Name (Print): Kauin Hackett   | Signature: The Hachelt                | Date: 5-12-11      |
| Note Any Deficiencies:        |                                       |                    |
| Name (Print): Krvin Hackett   | Signature: K- Hachelt                 | Date: 5-13-1/      |
| Note Any Deficiencies:        |                                       |                    |
| Name (Print): Kouin Hackett   | Signature: K- Zachett                 | Date: 5 - 14 - 1/  |
| Note Any Deficiencies:        |                                       |                    |
| Name (Print): William Began   | Signature: 15 M. Br                   | Date: 5-/5-//      |
| Note Any Deficiencies:        | 79.                                   |                    |
| Name (Print): William Began   | Signature:                            | Date: 5-16-11      |
| Note Any Deficiencies:        |                                       |                    |
| Name (Print): William Began   | Signature: Catalan (B)                | Date: 5-/7-//      |
| Note Any Deficiencies:        |                                       |                    |
| Name (Print): Kevin Hackett   | Signature: X= Pachtt                  | Date: 5-/8-/       |
| Note Any Deficiencies:        | , , , , , , , , , , , , , , , , , , , | -                  |
| Name (Print): Kevin Hackett   | Signature: The Hachelt                | Date: 5-19-11      |
| Note Any Deficiencies:        |                                       |                    |
| Name (Print): Keuin Hackett   | Signature: 2 - Hachett                | Date: 5-20-//      |
| Note Any Deficiencies:        |                                       |                    |
| Name (Print): Kevin Heckett   | Signature: K-HahAt                    | Date: 5-21-11      |
| Note Any Deficiencies:        |                                       |                    |
| Name (Print): William Begay   | Signature: Allia By                   | Date: 5-22-//      |
| Note Any Deficiencies:        |                                       |                    |
| Name (Print): Villiam Began   | Signature:                            | Date: 5 - 23-//    |
| Note Any Deficiencies:        |                                       |                    |
| Name (Print): William Began   | Signature:                            | Date: 5-24-11      |
| Note Any Deficiencies:        |                                       |                    |
| Name (Print):                 | Signature:                            | Date:              |
| Note Any Deficiencies:        |                                       |                    |



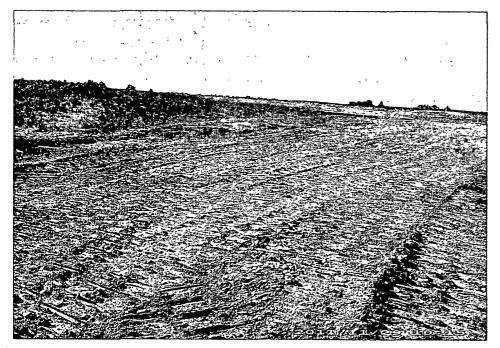
## **Pit Inspection Log Sheet**

(daily while rig is on-site, then weekly as long as liquids remain in the pit)

| Well Name:             |                                       |              | API:         |             |  |
|------------------------|---------------------------------------|--------------|--------------|-------------|--|
| Name (Print): MicHA    | EL L. DEAN                            | Signature:   | michal Ful   | Date: 6-    | 1-1/   |
| Note Any Deficiencies: | SAMPLES PIT                           | -            |              |             |  |
| Name (Print):          | lICHAEL L- DE                         | Signature:   | Michal Fu    | Date: 6-    | 9-11   |
| Note Any Deficiencies: |                                       |              |              |             |  |
| Name (Print): Mid      | CHAEL L DEAN                          | Signature:   | michal In    | Date: 6-    | 15-11  |
| Note Any Deficiencies: |                                       |              |              |             |  |
| Name (Print):          | ICHAEL C. DEA                         | √ Signature: | michal Ful   | Date: 6-    | 23-11  |
| Note Any Deficiencies: |                                       |              |              |             |  |
| Name (Print):          | MICHAEL L. D.                         | Signature:   | micha In     | Date: 7-    | 6-11   |
| Note Any Deficiencies: | TO WET TO                             | COUER        |              | ·           |  |
| Name (Print): M        | ICHMEL L. DEAN                        | Signature:   | michel ful   |             | -11-11   |
| Note Any Deficiencies: |                                       |              |              | <u> </u>    |  |
| Name (Print):          | MICHAEL L. DEA                        | Signature:   | Michal for   |             | 20-11  |
| Note Any Deficiencies: |                                       |              |              |             |  |
| Name (Print):          | Premee L. DEN                         | ✓ Signature: | Whicha La    | Date: 7-    | 29 -11   |
| Note Any Deficiencies: | STILL TO W                            | ET TO CO.    |              |             |  |
| Name (Print):          | MICHMEL LDE                           | → Signature: | wichof En    | Date: 多-    | 2-11   |
| Note Any Deficiencies: |                                       |              | / ,>-        |             |  |
| Name (Print):          | PICHAEL INDA                          | Signature:   | whicho for   | Date: 🛚 🗸 – | 8-11   |
| Note Any Deficiencies: | CALLED FOR                            | DOZER TO     | GET MOVED IN |             |  |
| Name (Print):          |                                       | Signature:   |              | Date:       |  |
| Note Any Deficiencies: |                                       |              |              |             |  |
| Name (Print):          |                                       | Signature:   |              | Date:       |  |
| Note Any Deficiencies: |                                       |              |              |             |  |
| Name (Print):          |                                       | Signature:   |              | Date:       |  |
| Note Any Deficiencies: |                                       |              |              |             |  |
| Name (Print):          |                                       | Signature:   |              | Date:       |  |
| Note Any Deficiencies: | · · · · · · · · · · · · · · · · · · · |              |              |             | · · · · · · · · · · · · · · · · · · ·              |
| Name (Print):          |                                       | Signature:   |              | Date:       |  |
| Note Any Deficiencies: |                                       |              |              |             | <del>- , , , , , , , , , , , , , , , , , , ,</del> |
| Name (Print):          |                                       | Signature:   |              | Date:       |  |
| Note Any Deficiencies: |                                       |              |              |             |  |









JICARILLA 67 #21
2575' FNL 701' FWL
SHL UNIT E SEC 19 T25N R05W
LATITUDE 36.38575°
LONGITUDE -107.40775°
API # 30-039-31022 ELEV. 6623'
LEASE # JICARILLA CONTRACT 67
RIO ARRIBA COUNTY, NEW MEXICO
BASIN DAKOTA