District I 1625 N French Dr , Hobbs, NM 88240 District II 1301 W Grand Avenue, Artesia, NM88210 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 I can System Palary Grade Tonk 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 Closure of a pit, closed-loop system, below-grade tank, or proposed alternative method Modification to an existing permit |
| Closure plan only submitted for an existing permitted or non-permitted pit, closed-loop system, below-grade tank, or proposed alternative method |
| Instructions: Please submit one application (Form C-144) per individual pit, closed-loop system, below-grade tank 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 water, ground water or the environment. Nor does approval relieve the operator of its responsibility to comply with any other applicable governmental authority's rules, regulations or ordinances |
| Operator <u>Energen Resources</u> OGRID # 162928 |
| Address 2010 Afton Place, Farmington, New Mexico 87401 |
| Facility or well name Jicarilla H 1 |
| API Number: 3003905659 OCD Permit Number. |
| U/L or Qtr/Qtr A Section 5 Township 24N Range 04W County Rio Arriba |
| Center of Proposed Design. Latitude <u>36 34446</u> Longitude <u>-107 27424</u> NAD □1927 ⋈ 1983 |
| Surface Owner: |
| 2 |
| Pit: Subsection F or G of 19 15 17 11 NMAC |
| Temporary Drilling Workover |
| ☐ Permanent ☐ Emergency ☐ Cavitation ☐ P&A |
| ☐ Lined ☐ Unlined Liner type Thicknessmil ☐ LLDPE ☐ HDPE ☐ PVC ☐ Other |
| String-Reinforced |
| Liner Seams |
| |
| ☐ 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 approval of a permit or notice of intent) |
| Drying Pad Above Ground Steel Tanks Haul-off Bins Other |
| |
| |
| Liner Seams Welded Factory Other 4. X Below-grade tank: Subsection I of 19 15 17 11 NMAC Volume bbl Type of fluid Produced Water Tank Construction material Secondary containment with leak detection Visible sidewalls, liner, 6-inch lift and automatic overflow shut-off Discourse, DN, DIST, 3 |
| X Below-grade tank: Subsection I of 19 15 17 11 NMAC |
| X Below-grade tank: Subsection I of 19 15 17 11 NMAC Volume bbl Type of fluid Produced Water Tank Construction material |
| Tank Construction material |
| Secondary containment with leak detection Visible sidewalls, liner, 6-inch lift and automatic overflow shut-off |

Alternative Method:

Liner type Thickness

Submittal of an exception request is required Exceptions must be submitted to the Santa Fe Environmental Bureau office for consideration of approval

_mɪl 🔲 HDPE 🗌 PVC 🔲 Other

 \square Visible sidewalls and liner \underline{X} Visible sidewalls only \square Other $\underline{\ }$

| 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, school, institution or church) Four foot height, four strands of barbed wire evenly spaced between one and four feet Alternate Please specify | hospital, | |
|---|---------------------|--|
| 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) | | |
| 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 | | |
| Administrative Approvals and Exceptions: Justifications and/or demonstrations of equivalency are required Please refer to 19 15 17 NMAC for guidance Please check a box if one or more of the following is requested, if not leave blank: Administrative approval(s). Requests must be submitted to the appropriate division district or the Santa Fe Environmental Bureau consideration of approval Exception(s). Requests must be submitted to the Santa Fe Environmental Bureau office for consideration of approval | office for | |
| 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 acceptable source material are provided below. Requests regarding changes to certain siting criteria may require administrative approval from the appropriate district office or may be considered an exception which must be submitted to the Santa Fe Environmental Bureau office for consideration of approval, Applicant must attach justification for request. Please refer to 19.15.17.10 NMAC for guidance. Siting criteria does not apply to drying pads or above-grade tanks associated with a closed-loop system. | | |
| 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 | |
| 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. ☐ NA | |
| 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: 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. Hydrogeologic Report (Below-grade Tanks) - based upon the requirements of Paragraph (4) of Subsection B of 19 15 17 9 NMAC Hydrogeologic Data (Temporary and Emergency Pits) - based upon the requirements of Paragraph (2) of Subsection B of 19 15 17 9 NMAC Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19 15 17 10 NMAC Design 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 Closure Plan (Please complete Boxes 14 through 18, if applicable) - 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 or Permit Number |
|---|
| 12 |
| 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. Geologic and Hydrogeologic Data (only for on-site closure) - based upon the requirements of Paragraph (3) of Subsection B of 19 15 17 9 Siting Criteria Compliance Demonstrations (only for on-site closure) - based upon the appropriate requirements of 19 15 17 10 NMAC Design Plan - based upon the appropriate requirements of 19.15.17 11 NMAC Operating and Maintenance Plan - based upon the appropriate requirements of 19 15 17 12 NMAC Closure Plan (Please complete Boxes 14 through 18, if applicable) - 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 |
| above ground steet tanks or natit-ojj bins and propose to implement waste removal jor closurej |
| 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 check mark in the box, that the documents are attached. Hydrogeologic Report - based upon the requirements of Paragraph (1) of Subsection B of 19.15 17 9 NMAC Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19 15 17 10 NMAC 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 Leak Detection Design - based upon the appropriate requirements of 19 15 17 11 NMAC Quality Control/Quality Assurance Construction and Installation Plan Operating and Maintenance 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 NMAC Nuisance or Hazardous Odors, including H ₂ S, Prevention Plan Cilimatory and Inspection Plan Cilimatory and Inspection Plan Erosion Control Plan Cilimatory and Inspection Plan Erosion Control Plan E |
| Proposed Closure: 19 15 17 13 NMAC Instructions: Please complete the applicable boxes, Boxes 14 through 18, in regards to the proposed closure plan. |
| Type Drilling Workover Emergency Cavitation P&A Permanent Pit & Below-grade Tank Closed-loop System Alternative Proposed Closure Method Waste Excavation and Removal Waste Removal (Closed-loop systems only) On-site Closure Method (Only for temporary pits and closed-loop systems) In-place Burial On-site Trench Burial Alternative Closure Method (Exceptions must be submitted to the Santa Fe Environmental Bureau for consideration) |
| Waste Excavation and Removal Closure Plan Checklist: (19 15 17 13 NMAC) Instructions: Each of the following items must be attached to 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 of 19 15 17 13 NMAC 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 H of 19 15 17 13 NMAC Re-vegetation Plan - based upon the appropriate requirements of Subsection G of 19 15 17 13 NMAC |

| Waste Removal Closure For Closed-loop Systems That Utilize Above Ground Instructions: Please indentify the facility or facilities for the disposal of liquids, facilities are required. | | |
|--|---|-----------------------|
| Disposal Facility Name | Disposal Facility Permit Number | |
| Disposal Facility Name | Disposal Facility Permit Number | |
| Will any of the proposed closed-loop system operations and associated activities o Yes (If yes, please provide the information below) No | ecur on or in areas that will not be used for future services. | vice and operations? |
| Required for impacted areas which will not be used for future service and operation Soil Backfill and Cover Design Specifications based upon the appropriate Re-vegetation Plan - based upon the appropriate requirements of Subsection Site Reclamation Plan - based upon the appropriate requirements of Subsection | e requirements of Subsection H of 19 15.17 13 NMA I of 19 15 17 13 NMAC | C |
| Sting Criteria (regarding on-site closure methods only): 19.15 17 10 NMAC Instructions: Each siting criteria requires a demonstration of compliance in the provided below. Requests regarding changes to certain siting criteria may require considered an exception which must be submitted to the Santa Fe Environmenta demonstrations of equivalency are required. Please refer to 19.15.17.10 NMAC | re administrative approval from the appropriate dist l Bureau office for consideration of approval. Justi | rict office or may be |
| Ground water is less than 50 feet below the bottom of the buried waste - NM Office of the State Engineer - iWATERS database search, USGS, Dat | a obtained from nearby wells | ☐ Yes ☐ No ☐ 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, Data | a obtained from nearby wells | Yes No |
| 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 | a obtained from nearby wells | Yes No |
| Within 300 feet of a continuously flowing watercourse, or 200 feet of any other sig- lake (measured from the ordinary high-water mark) - Topographic map; Visual inspection (certification) of the proposed site | gnificant watercourse or lakebed, sinkhole, or playa | ☐ Yes ☐ No |
| Within 300 feet from a permanent residence, school, hospital, institution, or church - Visual inspection (certification) of the proposed site, Aerial photo, Satellit | | ☐ Yes ☐ No |
| Within 500 horizontal feet of a private, domestic fresh water well or spring that les watering purposes, or within 1000 horizontal feet of any other fresh water well or some NM Office of the State Engineer - iWATERS database, Visual inspection | spring, in existence at the time of initial application | ☐ Yes ☐ No |
| Within incorporated municipal boundaries or within a defined municipal fresh wat adopted pursuant to NMSA 1978, Section 3-27-3, as amended - Written confirmation or verification from the municipality, Written approx | · | ☐ Yes ☐ No |
| Within 500 feet of a wetland - US Fish and Wildlife Wetland Identification map, Topographic map, Visu | al 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 | g and Mineral Division | Yes No |
| Within an unstable area - Engineering measures incorporated into the design, NM Bureau of Geolog Society, Topographic map | y & 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 of the by a check mark in the box, that the documents are attached. Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of Construction/Design Plan of Burial Trench (if applicable) based upon the a Construction/Design Plan of Temporary Pit (for in-place burial of a drying Protocols and Procedures - based upon the appropriate requirements of 19 1 Confirmation Sampling Plan (if applicable) - based upon the appropriate recular Waste Material Sampling Plan - 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 | purements of 19 15 17 10 NMAC f Subsection F of 19 15 17 13 NMAC ppropriate requirements of 19 15 17 11 NMAC pad) - based upon the appropriate requirements of 19 5 17 13 NMAC purements of Subsection F of 19 15 17 13 NMAC Subsection F of 19 15 17 13 NMAC drill cuttings or in case on-site closure standards cannot H of 19 15 17 13 NMAC 11 of 19 15 17 13 NMAC | 15 17 11 NMAC |

Form C-144 Oil Conservation Division Page 4 of 5

| Operator Application Certification: I hereby certify that the information submitted with this application is true, accurately. | rate and complete to the best of my knowledge and belief |
|---|--|
| Name (Print) To | itle |
| Signature | Date |
| e-mail address Telephone | |
| OCD Approval: Permit Application (including closure plan) Closure E OCD Representative Signature: | OCD Permit Number: |
| Closure Report (required within 60 days of closure completion): Subsection Instructions: Operators are required to obtain an approved closure plan prior The closure report is required to be submitted to the division within 60 days of section of the form until an approved closure plan has been obtained and the c | to implementing any closure activities and submitting the closure report. the completion of the closure activities. Please do not complete this |
| | |
| 22 Closure Method: | native Closure Method Waste Removal (Closed-loop systems only) |
| Closure Report Regarding Waste Removal Closure For Closed-loop System Instructions: Please indentify the facility or facilities for where the liquids, dri two facilities were utilized. | illing fluids and drill cuttings were disposed. Use attachment if more than |
| Disposal Facility Name | |
| Disposal Facility Name | |
| Were the closed-loop system operations and associated activities performed on o Yes (If yes, please demonstrate compliance to the items below) No | or in areas that will not be used for future service and operations? |
| Required for impacted areas which will not be used for future service and operated Site Reclamation (Photo Documentation) Soil Backfilling and Cover Installation Re-vegetation Application Rates and Seeding Technique | tions |
| Closure Report Attachment Checklist: Instructions: Each of the following is 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 Long | |
| 25 | |
| Operator Closure Certification: I hereby certify that the information and attachments submitted with this closure belief I also certify that the closure complies with all applicable closure require | report is true, accurate and complete to the best of my knowledge and ments and conditions specified in the approved closure plan |
| Name (Print) Ed Hasely | Title: Sr Environmental Engineer |
| Signature DHand | Date 12/9/10 |
| e-mail address ed hasely@energen com | Telephone (505) 324-4131 |

BELOW-GRADE TANK CLOSURE REPORT

ENERGEN RESOURCES Jicarilla H #1

CLOSURE STEPS: (Closure Report information is in **bold**)

- (1) Notify the surface owner by certified mail, return receipt requested, of the plans to close the below-grade tank. Attached
- (2) Notify the Aztec OCD office (Brandon Powell 334-6178, Ext 15) verbally or by other means at least 72 hours, but not more than one week, prior to the planned closure operation.

Attached

- (3) Remove liquids from the below-grade tank Dispose of the liquids and sludge in a division-approved facility No disposal of liquids was required.
- (4) Remove the below-grade tank for re-use in an above-ground setup or for disposal in a division-approved manner. Tank removed.
- (5) Unless the equipment is required for some other purpose, remove any on-site equipment associated with the belowgrade tank

All remaining equipment is required for operations.

- (6) Test the soils beneath the below-grade tank to determine whether a release has occurred.
 - Collect, at a minimum, a five point, composite sample;
 - Composite sample was collected.
 - Collect individual grab samples from any area that is wet, discolored or showing other evidence of a release:

No additional sampling was necessary.

Analyze for BTEX, TPH and chlorides to demonstrate

- Benzene concentration does not exceed 0.2 mg/kg, as determined by EPA SW-846 methods 8021B or 8260B
- Total BTEX concentration does not exceed 50 mg/kg, as determined by EPA SW-846 methods 8021B or 8260B
- TPH concentration does not exceed 100 mg/kg, as determined by EPA method 418 1
- Chloride concentration does not exceed 250 mg/kg, as determined by EPA method 300.1 or the background concentration, whichever is greater.

| Constituent | Limit (mg/kg) | Actual Results (mg/kg) |
|-------------|---------------|------------------------|
| Benzene | 0.2 | ND |
| Total BTEX | 50.0 | 0.007 |
| TPH (418.1) | 100 | 83.9 |
| Chlorides | 250 | 10 |

(7) IF the soil analyses show that the soils meet the concentrations specified in (6) above, backfill the excavation with compacted, non-waste containing, earthen material in a manner that will prevent ponding or erosion. If the area will not be needed for operations, reclaim the area as described in the "RECLAMATION" section.

Excavation was backfilled w/ non-waste containing, earthen material in a manner that will prevent ponding and erosion, including one foot on top soil.

(8) IF the soil analyses show that the soils exceed one or more of the concentrations specified in (6) above, notify the Aztec OCD office (Brandon Powell – 334-6178, Ext 15) and proceed per 19.15 3.116 NMAC

Not applicable.

NOTE: If groundwater is encountered at any time during the closure process, the OCD office will be notified and a specific closure plan will be submitted to the Aztec and Santa Fe OCD offices for approval **Not applicable**.

FINAL CLOSURE REPORT:

Within 60 days of closure completion, submit a closure report on form C-144, with necessary attachments to document all closure activities including sampling results.

This submittal is the closure report.

RECLAMATION:

If the area is not needed for operations, reclaim the area to a safe and stable condition that blends with the surrounding undisturbed area. Restore the impacted surface area to the condition that existed prior to oil and gas operations by placement of the soil cover, recontour the location and associated areas to a contour that approximates the original contour and blends with the surrounding topography and re-vegetate.

- (A) Construct the soil cover to the site's existing grade and prevent ponding of water and erosion of the cover material. The soil cover shall consist of the background thickness of topsoil or one foot of suitable material to establish vegetation at the site, whichever is greater.
- (B) Seed or plant the disturbed areas the first growing season after closing the below-grade tank. Drill on the contour whenever practical or by other division-approved methods. The goal is to obtain vegetative cover that equals 70% of the native perennial vegetative 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, and maintain that cover through two successive growing seasons. During the two successive growing seasons that prove viability, there shall be no artificial irrigation of the vegetation.
 - (C) Repeat seeding or planting until it successfully achieves the required vegetative cover
- (D) If conditions are not favorable for the establishment of vegetation, such as periods of drought, contact the Aztec OCD office to discuss possibly delaying seeding or planting until soil moisture conditions become favorable or using additional techniques such as mulching, fertilizing, irrigating, fencing or other practices
- **(E)** Notify the Aztec OCD office (Brandon Powell 334-6178, Ext 15) when the area has been seeded or planted <u>and</u> when it successfully achieves re-vegetation.

Area is needed for operations. Upon abandonment, seeding will be deferred to the BLM / Tribal requirements per the BLM / OCD MOU.



EPA METHOD 418.1 TOTAL PETROLEUM HYDROCARBONS

| Client: | Energen | Project #: | 03022-0168 |
|----------------------|----------------|----------------------------|------------|
| Sample ID: | Jicarilla H #1 | Date Reported [.] | 11-10-10 |
| Laboratory Number | 56439 | Date Sampled. | 11-09-10 |
| Chain of Custody No: | 10696 | Date Received: | 11-09-10 |
| Sample Matrix. | Soil | Date Extracted: | 11-10-10 |
| Preservative: | Cool | Date Analyzed: | 11-10-10 |
| Condition: | Intact | Analysis Needed: | TPH-418 1 |

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

Total Petroleum Hydrocarbons

83.9

12.3

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 BGT's

Analyst



EPA METHOD 8021 AROMATIC VOLATILE ORGANICS

| Client: | Energen | Project #: | 03022-0168 |
|-------------------------------|----------------|---------------------|-------------------|
| Sample ID: | Jicarilla H #1 | Date Reported: | 11-10-10 |
| Laboratory Number: | 56439 | Date Sampled: | 11-09-10 |
| Chain of Custody ⁻ | 10696 | Date Received: | 11 - 09-10 |
| Sample Matrix | Soil | Date Analyzed. | 11-10-10 |
| Preservative: | Cool | Date Extracted: | 11-09-10 |
| Condition: | Intact | Analysis Requested: | BTEX |
| | | Dilution: | 10 |

THE T REAL PROPERTY AND ASSESSMENT THE PROPERTY OF THE PROPERT

| Parameter | Concentration (ug/Kg) | Det. Limit (ug/Kg) | |
|------------|-----------------------|--------------------------|--|
| r arameter | (ug/Kg) | (ug/Kg) | |
| Benzene | ND | 0.9 | |

| | | 0.0 |
|--------------|-----|-----|
| Toluene | ND | 1.0 |
| Ethylbenzene | ND | 1.0 |
| p,m-Xylene | 5.6 | 1.2 |
| o-Xylene | 1.4 | 0.9 |
| | | |

Total BTEX 7.0

ND - Parameter not detected at the stated detection limit.

| Surrogate Recoveries: | Parameter | Percent Recovery | |
|-----------------------|---------------------|------------------|--|
| | Fluorobenzene | 83.7 % | |
| | 1,4-difluorobenzene | 84.5 % | |
| | Bromochlorobenzene | 98.7 % | |

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:

Jicarilla BGT's

Analyst

Revie



Chloride

| Client: | Energen | Project #: | 03022-0168 |
|----------------|----------------|-------------------|-----------------------|
| Sample ID | Jicarilla H #1 | Date Reported: | 11-10-10 |
| Lab ID#: | 56439 | Date Sampled: | 11 - 09-10 |
| Sample Matrix: | Soil | Date Received. | 11 - 09-10 |
| Preservative: | Cool | Date Analyzed: | 11-10-10 |
| Condition: | Intact | Chain of Custody: | 10696 |

| Parameter | Concentration (mg/Kg) |
|-----------|-----------------------|
| | |

Total Chloride 10

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 BGT's

vet Pa



November 3, 2010

Jicarilla Apache Nation Environmental Protection Office P.O. Box 507

Dulce, NM 87528

Attn: Mr. Dixon Sandoval, Environmental Specialist

Re:

Below Grade Tank Closures

Multiple Wells

Dear Sirs:

Energen Resources plans to close the below grade tanks located on the well locations listed below. You are on record as the surface owner where these wells are located. New Mexico Oil Conservation Division (NMOCD) rules require notification to the surface owner of our plans to close the below grade tanks. NMOCD rules and guidelines will be followed. The wells are all located in Rio Arriba County, New Mexico.

5800

2820

7009

Certij 📙

Certified Fee

Return Receipt Fee forsement Required)

Restricted Delivery Fee (Endorsement Required)

Total Postage & Fees

Postmark

Here

Jicarilla 99 #16 - Unit Letter M, Section 23, Township 26N, Range 3W

Jicarilla H #1 - Unit Letter A, Section 5, Township 24N, Range 4W

If there are any questions or concerns, please contact me at 505-324-4131.

Sincerely,

Ed Hasely

Sr. Environmental Enginee

Energen Resources

Cc:

Well Files Correspondence

| | "是一个人,但是一个人,但是一个人,但是一个人,但是一个人,但是一个人,但是一个人,但是一个人,但是一个人,但是一个人,但是一个人,但是一个人,但是一个人,也不 |
|--|--|
| Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired. Print your name and address on the reverse so that we can return the card to you. Attach this card to the back of the mailpiece, or on the front if space permits. | Afsignature MULLS DE B. Received by (F |
| 1. Article Addressed to: Jicarilla Apacha Nection | D. Is delivery addre |
| EPO PO Bey 507 | |
| Outce, NM 87528 Attn: Dixon Sandaval | 3. Service Type Certified Ma Registered Insured Mail |

| 77 | . Non-Line Care | 1 to 1 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 | |
|---|-----------------|--|--|
| COMPLETE THIS SE | CTION ON DELI | VERY | |
| Signature / | | / | |
| Show I have | | ☑ Agent | |
| Muly lll | | ✓ Addressee | |
| B. Received by (Printed Name) | | Q. Date of Delivery | |
| , | ŕ | 11-810 | |
| D. Is delivery address different from item 1? Yes | | | |
| If YES, enter delivery address below: | | | |
| | • | | |
| | | | |
| . * | | 7 | |
| qu ^{r-} | | | |
| · | <u></u> | | |
| 3. Service Type | | į | |
| Certified Mail | ☐ Express Ma | ıl | |
| ☐ Registered | ☐ Return Rece | eipt for Merchandise | |

□ C.O D.

☐ Yes

102595-02-M-1540

4. Restricted Delivery? (Extra Fee)

Energen Resources Corporation, an

2. Arti

Ed Hasely

From:

Ed Hasely

Sent:

Wednesday, November 03, 2010 10 38 AM

To: Subject:

'Powell, Brandon, EMNRD' BGT Closure Notification

Brandon – this is to notify you that Energen plans to close the BGT's on the following locations in the near future. Let me know if you have questions. Thanks.

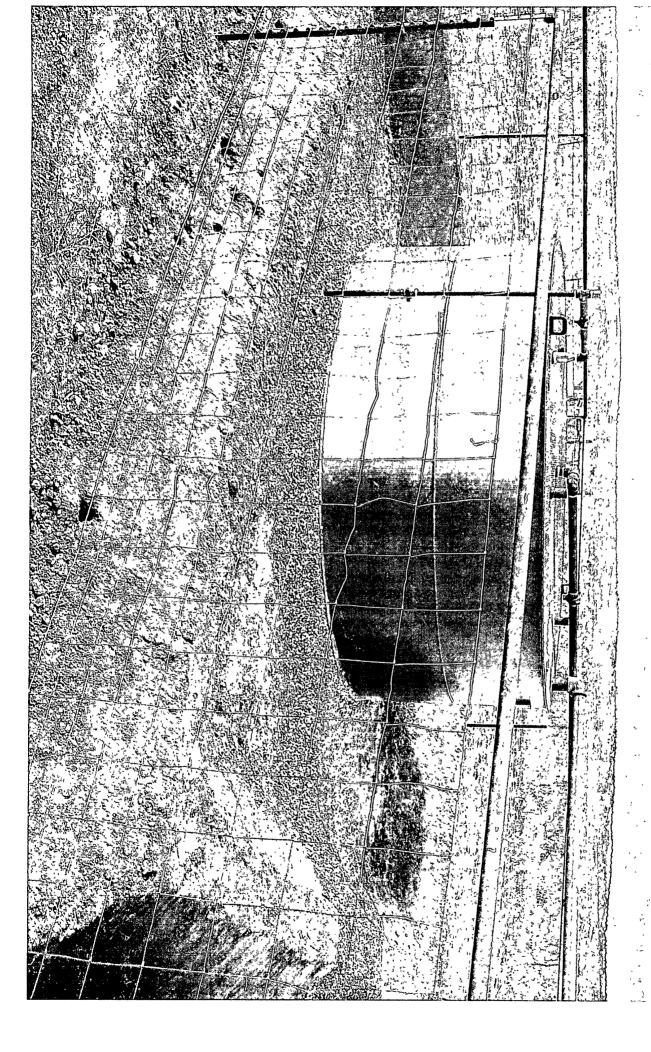
Jica rilla 99 #16 - Unit Letter M, Section 23, Township 26N, Range 3W

Jicarilla H #1 - Unit Letter A, Section 5, Township 24N, Range 4W

Ed Hasely

Energen Resources Corporation

Sr Environmental Engineer ed hasely@energen com
Office (505) 324-4131
Cell (505) 330-3584



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

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505 Revised October 10, 2003

Form C-141

Submit 2 Copies to appropriate District Office in accordance with Rule 116 on back side of form

Attached

Release Notification and Corrective Action OPERATOR Initial Report Name of Company: Energen Resources, Inc. Ed Hasely Contact: Telephone No: 505-324-4131 Address: 2010 Afton Place, Farmington, NM 87401 Facility Name: Jicarilla H #1 Facility Type: Oil/Gas Well Site Surface Owner: Tribal Mineral Owner: Tribal Lease No. LOCATION OF RELEASE North/South Line Feet from the East/West Line Unit Letter Section Township Range Feet from the County 4W 990 990 Rio Arriba Α 24N North **Latitude** 36 34446 Longitude -107.27424 NATURE OF RELEASE Type of Release: NO RELEASE Volume of Release: Volume Recovered: Source of Release: Date and Hour of Occurrence: Date and Hour of Discovery: If YES, To Whom? Was Immediate Notice Given? ☐ Yes ☐ No ☐ Not Required A151617187 By Whom? Date and Hour: If YES, Volume Impacting the Watercourse Was a Watercourse Reached? ☐ Yes ☐ No 56789 If a Watercourse was Impacted, Describe Fully.* OIL CONS. DIV. DIST. Describe Cause of Problem and Remedial Action Taken.* THERE WAS NO PROBLEM OR REMEDIAL ACTION TAKEN THIS FORM IS FILLED OUT TO SERVE AS A COVER FOR LAB ANALYSES -ONLY TO SATISFY 19 15 17 13 E(4) Describe Area Affected and Cleanup Action Taken.* I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations OIL CONSERVATION DIVISION Signature Approved by District Supervisor Printed Name Ed Hasely Title Sr Environmental Engineer Approval Date Expiration Date

Conditions of Approval

E-mail Address ed hasely@energen com

Phone 505-324-4131 / 505-330-3584(cell)

^{*} Attach Additional Sheets If Necessary