District I 1625 N French Dr., Hobbs, NM 88240 District II
1301 W. Grand Avenue, Artesia, NM88210 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

Pit, Closed-Loop System, Below-Grade Tank, or

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.

| Please be advised that approval of this request does not relieve theoperator 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: Energen Resources |
|---|
| environment. Nor does approval relieve the operator of its responsibility to comply with any other applicable governmental authority's rules, regulations or ordinances. I. Operator: Energen Resources OGRID #: 162928 Address: 2010 Afton Place, Farmington, New Mexico 87401 Facility or well name: City of Farmington #1E API Number: 3004524987 OCD Permit Number: U//L or Qtr/Qtr O Section 35 Township 30N Range 13W County: San Juan Center of Proposed Design: Latitude 36.56761 Longitude -108.17142 NAD: 1927 X 1983 Surface Owner: Federal State Private Tribal Trust or Indian Allotment |
| Operator:Energen Resources |
| Address: |
| API Number:3004524987 |
| U/L or Qtr/Qtr O Section 35 Township 30N Range 13W County: San Juan Center of Proposed Design: Latitude 36.56761 Longitude -108.17142 NAD: 1927 X 1983 Surface Owner: Federal State Private Tribal Trust or Indian Allotment 2. Pit: Subsection F or G of 19.15.17.11 NMAC |
| Center of Proposed Design: Latitude 36.56761 Longitude -108.17142 NAD: 1927 X 1983 Surface Owner: Federal State Private Tribal Trust or Indian Allotment 2. Pit: Subsection F or G of 19.15.17.11 NMAC |
| Surface Owner: Federal State Private Tribal Trust or Indian Allotment 2. |
| 2. Pit: Subsection F or G of 19.15.17.11 NMAC |
| |
| □ Permanent □ Emergency □ Cavitation □ P&A □ Lined □ Unlined Liner type: Thicknessmil □ LLDPE □ HDPE □ PVC □ Other □ String-Reinforced |
| Liner Seams: Welded Factory Other |
| 4. X Below-grade tank: Subsection I of 19.15.17.11 NMAC Volume:95 bbl Type of fluid:Produced Water Tank Construction material: Steel Secondary containment with leak detection Visible sidewalls, liner, 6-inch lift and automatic overflow shut-off |
| ☐ 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: Thicknessmil ☐ HDPE ☐ PVC ☐ Other |
| Visible sidewalls and liner & Visible sidewalls only Other |

Page Lof 5

| 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 accept material are provided below. Requests regarding changes to certain siting criteria may require administrative approval from the approoffice or may be considered an exception which must be submitted to the Santa Fe Environmental Bureau office for consideration of a Applicant must attach justification for request. Please refer to 19.15.17.10 NMAC for guidance. Siting criteria does not apply to drying above-grade tanks associated with a closed-loop system. | priate district pproval. |
| 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: (Applies only to closed-loop system that use | |
| above ground steel tanks or haul-off bins and propose to implement waste removal for closure) | |
| 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 Liner Specifications and Compatibility Assessment - 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 Emergency Response Plan Oil Field Waste Stream Characterization Monitoring and Inspection Plan Erosion Control Plan Erosion Control Plan Erosion Control Plan Closure Plan - based upon the appropriate requirements of Subsection C of 19.15.17.9 NMAC and 19.15.17.13 NMAC | |
| 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 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 of ☐ Yes (If yes, please provide the information below) ☐ No | ccur on or in areas that will not be used for future ser- | vice and operations? | | |
| Required for impacted areas which will not be used for future service and operatio 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 | requirements of Subsection H of 19.15.17.13 NMA(I of 19.15.17.13 NMAC | С | | |
| Siting 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 requir considered an exception which must be submitted to the Santa Fe Environmental demonstrations of equivalency are required. Please refer to 19.15.17.10 NMAC | e administrative approval from the appropriate dist 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; Data | 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 ☐ 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 | a obtained from nearby wells | ☐ Yes ☐ No ☐ NA | | |
| 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 | nificant 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; Satellite | | ☐ Yes ☐ No | | |
| Within 500 horizontal feet of a private, domestic fresh water well or spring that less watering purposes, or within 1000 horizontal feet of any other fresh water well or s NM Office of the State Engineer - iWATERS database; Visual inspection (| pring, in existence at the time of initial application. | ☐ Yes ☐ No | | |
| Within incorporated municipal boundaries or within a defined municipal fresh water adopted pursuant to NMSA 1978, Section 3-27-3, as amended. - Written confirmation or verification from the municipality; Written approv | | ☐ Yes ☐ No | | |
| Within 500 feet of a wetland, - US Fish and Wildlife Wetland Identification map; Topographic map; Visua | 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 | and Mineral Division | ☐ Yes ☐ No | | |
| Within an unstable area. Engineering measures incorporated into the design; NM Bureau of Geology Society; Topographic map | & 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 appropriate requirements of Protocols and Procedures - based upon the appropriate requirements of 19.13 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 | uirements of 19.15.17.10 NMAC Subsection F of 19.15.17.13 NMAC propriate requirements of 19.15.17.11 NMAC ad) - based upon the appropriate requirements of 19. 5.17.13 NMAC uirements of Subsection F of 19.15.17.13 NMAC Subsection F of 19.15.17.13 NMAC rill cuttings or in case on-site closure standards cann H of 19.15.17.13 NMAC I of 19.15.17.13 NMAC | 15.17.11 NMAC | | |

| Operator Application Certification: I hereby certify that the information submitted with this application is true, accurate and complete to the best of my knowledge and belief. |
|--|
| Name (Print): Title: |
| Signature: Date: |
| e-mail address:Telephone: |
| OCD Approval: Permit Application (including cosure plan) Closure Plan (only) OCD Conditions (see attachment) OCD Representative Signature: Approval Date: Signature: OCD Permit Number: |
| Closure Report (required within 60 days of closure completion): Subsection K of 19.15.17.13 NMAC Instructions: Operators are required to obtain an approved closure plan prior to implementing any closure activities and submitting the closure report. The closure report is required to be submitted to the division within 60 days of the completion of the closure activities. Please do not complete this section of the form until an approved closure plan has been obtained and the closure activities have been completed. Closure Completion Date: |
| □ Closure Completion Date: \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\ |
| 22. Closure Method: X Waste Excavation and Removal On-Site Closure Method Alternative Closure Method Waste Removal (Closed-loop systems only) If different from approved plan, please explain. |
| 23. |
| Closure Report Regarding Waste Removal Closure For Closed-loop Systems That Utilize Above Ground Steel Tanks or Haul-off Bins Only: |
| Instructions: Please indentify the facility or facilities for where the liquids, drilling fluids and drill cuttings were disposed. Use attachment if more than two facilities were utilized. |
| Disposal Facility Name: NO WASTE DISPOSAL NECESSARY Disposal Facility Permit Number: |
| |
| Disposal Facility Name: Disposal Facility Permit Number: |
| Were the closed-loop system operations and associated activities performed on or in areas that will not be used for future service and operations? Yes (If yes, please demonstrate compliance to the items below) No |
| Required for impacted areas which will not be used for future service and operations Site Reclamation (Photo Documentation) Soil Backfilling and Cover Installation Re-vegetation Application Rates and Seeding Technique |
| 24, |
| Closure Report Attachment Checklist: Instructions: Each of the following items must be attached to the closure report. Please indicate, by a check mark in the box, that the documents are attached. X 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) X 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 Longitude NAD: 1927 1983 |
| On-site Closure Location: Latitude Longitude NAD: 1927 1983 |
| Operator Closure Certification: I hereby certify that the information and attachments submitted with this closure report is true, accurate and complete to the best of my knowledge and belief. I also certify that the closure complies with all applicable closure requirements and conditions specified in the approved closure plan. |
| Name (Print): Ed Hasely Title: Sr. Environmental Engineer . |
| Signature: 27/2/08 Date: 9/12/08 |
| e-mail address: ed.hasely@energen.com Telephone: (505) 324-4131 . |

BELOW-GRADE TANK CLOSURE REPORT

ENERGEN RESOURCES

City of Farmington #1E

CLOSURE STEPS:

- (1) Notified the surface owner (Farmington Schools) by certified mail, return receipt requested, of the plans to close the below-grade tank. ---- Letter Attached
- (2) Notified the Aztec OCD office (Brandon Powell 334-6178, Ext 15) by Email prior to the planned closure operation. ---- Email Attached
- (3) The tank contained no liquids at the time of the work.
- (4) Removed the below-grade tank for re-use in an above-ground setup.
- (5) Tested the soils beneath the below-grade tank to determine whether a release has occurred.
 - Collected a five point, composite sample;

Analyzed for BTEX, TPH and chlorides: ---- Analyses Attached

- Benzene concentration 0.001
- Total BTEX concentration 0.026 ppm
- TPH concentration 309 ppm (exceedance of determining a release)
- Chloride concentration 29 ppm
- (6) The soil analyses showed that the soils exceeded the TPH concentration (418.1 method) specified in 19.15.17 NMAC as an indication of a release. Remediated per 19.15.3.116 NMAC.
- (7) Backfilled the excavation with compacted, non-waste containing, earthen material in a manner that will prevent ponding or erosion.
- (8) The area is needed for operations as the tank will be set above ground in the same location. Seeding and final reclamation will take place upon P&A.

FINAL CLOSURE REPORT:

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



EPA METHOD 8021 AROMATIC VOLATILE ORGANICS

| Client: | Energen Res | Project #: | 03022-0001 |
|--------------------|------------------------|---------------------|------------|
| Sample ID: | City of Farmington #1E | Date Reported: | 09-09-08 |
| Laboratory Number: | 47017 | Date Sampled: | 09-02-08 |
| Chain of Custody: | 5183 | Date Received: | 09-02-08 |
| Sample Matrix: | Soil | Date Analyzed: | 09-09-08 |
| Preservative: | Cool | Date Extracted: | 09-08-08 |
| Condition: | Intact | Analysis Requested: | BTEX |

| | | Det. | Design Address of the A |
|--------------|---------------|---------|-------------------------|
| | Concentration | Limit | |
| Parameter | (ug/Kg) | (ug/Kg) | |
| | | | |
| Benzene | 1.3 | 0.9 | * |
| Toluene | 2.6 | 1.0 | |
| Ethylbenzene | 2.5 | 1.0 | ~ |
| p,m-Xylene | 14.0 | 1.2 | |
| o-Xylene | 5.8 | 0.9 | |
| Total BTEX | 26.2 | | |

ND - Parameter not detected at the stated detection limit.

| Surrogate Recoveries: | Parameter | Percent Recovery | | |
|-----------------------|---------------------|------------------|--|--|
| | Fluorobenzene | 99.0 % | | |
| | 1,4-difluorobenzene | 99.0 % | | |
| | Bromochlorobenzene | 99.0 % | | |

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:

City of Farmington #1E

Analyst

/ Muthum Review



EPA METHOD 8021 AROMATIC VOLATILE ORGANICS

| Client: | N/A | Project #: | N/A |
|--------------------|----------------|----------------|----------|
| Sample ID: | 09-09-BT QA/QC | Date Reported: | 09-09-08 |
| Laboratory Number: | 47017 | Date Sampled: | N/A |
| Sample Matrix: | Soil | Date Received: | N/A |
| Preservative: | N/A | Date Analyzed: | 09-09-08 |
| Condition: | N/A | Analysis: | BTEX |
| | | | |

| Calibration and | J-Calire | C-Cal/RF | %Diff. | Blank | Detect- |
|-------------------------|-------------|-------------|---------------|-------|---------|
| Detection Limits (ug/L) | | Accept Rang | je 0:≟15% = . | Conc | Limit |
| Benzene | 7.4922E+007 | 7.5072E+007 | 0.2% | ND | 0.1 |
| Toluene | 5.3517E+007 | 5.3624E+007 | 0.2% | ND | 0.1 |
| Ethylbenzene | 4.2797E+007 | 4.2883E+007 | 0.2% | ND | 0.1 |
| p,m-Xylene | 8.9921E+007 | 9.0101E+007 | 0.2% | ND | 0.1 |
| o-Xylene | 4 1934E+007 | 4.2018E+007 | 0.2% | ND | 0.1 |

| Duplicate@onc./(ug/Kg) | Sample D | iplicate. | %Diff= | *Accept Range | Detect-Limit |
|------------------------|----------|-----------|--------|---------------|--------------|
| Benzene | 1.3 | 1.4 | 7.7% | 0 - 30% | 0.9 |
| Toluene | 2.6 | 2.9 | 11.5% | 0 - 30% | 1.0 |
| Ethylbenzene | 2.5 | 2.7 | 8.0% | 0 - 30% | 1.0 |
| p,m-Xylene | 14.0 | 14.1 | 0.7% | 0 - 30% | 1.2 |
| o-Xylene | 5.8 | 6.0 | 3.4% | 0 - 30% | 0.9 |

| Sample: A Amo | untSpiked Spik | led Sample | %Re∞Very | Accept Range |
|---------------|---------------------------|--|--|--|
| 1.3 | 50.0 | 50.9 | 99.2% | 39 - 150 |
| 2.6 | 50.0 | 50.6 | 96.2% | 46 - 148 |
| 2.5 | 50.0 | 49.5 | 94.3% | · 32 - 160 |
| 14.0 | 100 | 109 | 95.6% | 46 - 148 |
| 5.8 | 50.0 | 50.8 | 91.0% | 46 - 148 |
| | 1.3 2.6 2.5 14.0 | 1.3 50.0 2.6 50.0 2.5 50.0 14.0 100 | 1.3 50.0 50.9 2.6 50.0 50.6 2.5 50.0 49.5 14.0 100 109 | 2.6 50.0 50.6 96.2% 2.5 50.0 49.5 94.3% 14.0 100 109 95.6% |

ND - Parameter not detected at the stated detection limit.

References:

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

December 1996.

Method 8021B, Aromatic and Halogenated Volatiles by Gas Chromatography Using Photoionization and/or Electrolytic Conductivity Detectors, SW-846, USEPA December 1996.

Comments:

QA/QC for Samples 47017 - 47020 and 47051 - 47052.

Analyst



EPA METHOD 418.1 TOTAL PETROLEUM HYDROCARBONS

| Client: | Energen Res | Project #: | 03022-0001 |
|----------------------|------------------------|------------------|------------|
| Sample ID: | City of Farmington #1E | Date Reported: | 09-11-08 |
| Laboratory Number: | 47017 | Date Sampled: | 09-02-08 |
| Chain of Custody No: | 5183 | Date Received: | 09-02-08 |
| Sample Matrix: | Soil | Date Extracted: | 09-09-08 |
| Preservative: | Cool | Date Analyzed: | 09-09-08 |
| Condition: | Intact | Analysis Needed: | TPH-418.1 |

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

Total Petroleum Hydrocarbons

309

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:

City of Farmington #1E.

Analyst

Mustrem Wae



EPA METHOD 418.1 TOTAL PETROLEUM HYROCARBONS QUALITY ASSURANCE REPORT

| Client: Sample ID: Laboratory Number Sample Matrix: Preservative: Condition: | : | QA/QC QA/QC 09-05-TPH.QA/Q Freon-113 N/A N/A | C 46985 | Project #: Date Reported: Date Sampled: Date Analyzed: Date Extracted Analysis Neede | : : : | N/A 09-11-08 N/A 09-09-08 09-09-08 TPH |
|--|------------------------|---|---------------------------|--|-------------------------|---|
| Calibration | I-Cal Date 08-22-08 | C-Cal Date 09-09-08 | I-Cal RF: 1,680 | C-Cal RF: 1,590 | % Difference 5.4% | Accept. Range +/- 10% |
| Blank Conc. (m TPH | g/Kg) | * , * | Concentration ND | e 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | Detection Lim | it * |
| Duplicate Conc. (mg/Kg) TPH | | | Sample 309 | Duplicate 329 | % Difference 6.5% | Accept. Range +/- 30% |
| Spike Conc. (m TPH | g/Kg) | Sample 309 | Spike Added 2,000 | Spike Result 2,150 | % Recovery 93.1% | Accept Range 80 - 120% |

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:

QA/QC for Samples 47017 - 47020, 47052 and 47097.

Analyst

Mustum Walks



Chloride

| Client: | Energen Res | Project #: | 03022-0001 |
|----------------|------------------------|-------------------|------------|
| Sample ID: | City of Farmington #1E | Date Reported: | 09-11-08 |
| Lab ID#: | 47017 | Date Sampled: | 09-02-08 |
| Sample Matrix: | Soil | Date Received: | 09-02-08 |
| Preservative: | Cool | Date Analyzed: | 09-10-08 |
| Condition: | Intact | Chain of Custody: | 5183 |

| Parameter | Concentration (mg/Kg) |
|---|-----------------------|
| , 4, 4,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,, | (1.5) |

Total Chloride

29.0

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:

City of Farmington #1E.

Analyst

CHAIN OF CUSTODY RECORD

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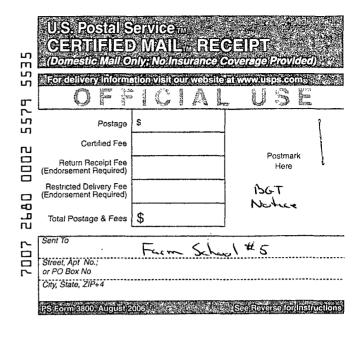


August 28, 2008

Farmington School District #5 2001 North Dustin Av. Farmington, New Mexico 87401

Re: Below Grade Tank Closure City of Farmington #1E

Dear Sir or Madam:



Energen Resources plans to close a below grade tank located on the subject well location. The surface owner where the well is located is the Farmington School District #5. New Mexico Oil Conservation Division (NMOCD) rules require notification to the surface owner of our plans to close the below grade tank. NMOCD rules and guidelines will be followed. The well is located in Unit Letter O, Section 35, Township 30N, Range 13W in San Juan County, New Mexico.

If there are any questions or concerns, please contact me at 505-330-3584.

Sincerely, SENDER: COMPLETE THIS SECTION COMPLETE THIS SECTION ON DELIVERY Complete items 1, 2, and 3. Also complete A. Signature Ed Hasely item 4 if Restricted Delivery is desired. □ Agent X Sr. Environmental Engineer Print your name and address on the reverse □ Addresse so that we can return the card to you. **Energen Resources** C. Date of Deliver Attach this card to the back of the mailpiece, or on the front if space permits. D. Is delivery address different from item 1? ☐ Yes 1. Article Addressed to: If YES, enter delivery address below: Farmington School Pistrict #5 2001 N. Dustin Av Cc: Well File Farmington NM 87401 Service Type Correspondence Certified Mail ☐ Express Mail ☐ Registered ☐ Return Receipt for Merchandise Insured Mail ☐ C.O.D. 4. Restricted Delivery? (Extra Fee) ☐ Yes 2. Article Number 7007 2680 0002 5579 5535 (Transfer from service label) PS Form 3811, February 2004 Domestic Return Receipt 102595-02-M-154

Ed Hasely

From: Ed Hasely

Sent: Tuesday, August 26, 2008 10:51 AM

To: 'Powell, Brandon, EMNRD'

Subject: City of Farmington #1E - BGT Closure

Brandon - This is to notify you that we plan to close the below-grade tank at the City of Farmington #1E well location in the near future. The well is located Unit Letter O, Sec 35 - T30N - R13W. Plans are to reset the tank in an above ground setup.

I submitted a C-144 and closure plan for this BGT yesterday. Please let me know if you have concerns w/ Energen proceeding with this closure. Thanks.

Ed Hasely

Energen Resources Corporation

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