District! ... 1625 N. French Dr., Hobbs, NM 88240 <u>District II</u> 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 provides control to the Santa Fe Environmental Bureau office and provides control to the propriate NMOCD.

provide a copy to the appropriate NMOCD District Office

4	1	W	7

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 X 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 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. T. Operator: Energen Resources OGRID #: 162928 Address. 2010 Afton Place, Farmington, New Mexico 87401 Facility or well name: Jicarilla 94.8 API Number: 3003922811 OCD Permit Number: Rio Arriba
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. T. Operator: Energen Resources OGRID #: 162928 Address. 2010 Afton Place, Farmington, New Mexico 87401 Facility or well name: Jicarilla 94.8 API Number: 3003922811 OCD Permit Number:
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: Jicarilla 94 8 API Number: 3003922811 OCD Permit Number:
Operator: Energen Resources OGRID #: 162928 Address. 2010 Afton Płace, Farmington, New Mexico 87401 Facility or well name: Jicarilla 94 8 API Number: 3003922811 OCD Permit Number:
Facility or well name:
API Number:
API Number: 3003922811 OCD Permit Number:
U/L or Otr/Otr D Section 24 Township 27N Range 03W County Rio Arriba
572 of Qin Qin Qin 5000000 1000000 10000000000
Center of Proposed Design: Latitude <u>36.56394</u> Longitude <u>-107.10145</u> NAD: ☐1927 ☑ 1983
Surface Owner. ☐ Federal ☐ State ☐ Private ☒ Tribal Trust or Indian Allotment
2.
Pit: Subsection F or G of 19 15 17.11 NMAC
Temporary: Drilling Workover
☐ Permanent ☐ Emergency ☐ Cavitation ☐ P&A
☐ Lined ☐ Unlined Liner type Thickness mil ☐ LLDPE ☐ HDPE ☐ PVC ☐ Other
☐ String-Reinforced
Liner Seams: Welded Factory Other Volume: bbl Dimensions: L x W x D
3.
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)
Driving Bod About Crowned Steel Tonks All Houle of Direct Other
Driving Bod About Crowned Steel Tonks All Houle of Direct Other
□ 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 □ PVC □ Other
□ 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 □ PVC □ Other
□ 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 □ PVC □ Other
□ 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 □ PVC □ Other
□ 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 □ PVC □ Other
□ 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 □ PVC □ Other
Drying Pad

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

Alternative Method:

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 of 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 appropriate 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 19.15.17.11 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: or Permit 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 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 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 X 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 I of 19.15.17.13 NMAC Site Reclamation 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 Groun 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:				
Will any of the proposed closed-loop system operations and associated activities				
Yes (If yes, please provide the information below) No Required for impacted areas which will not be used for future service and operations Soil Backfill and Cover Design Specifications based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC Re-vegetation Plan - based upon the appropriate requirements of Subsection G of 19.15.17.13 NMAC Site Reclamation Plan - based upon the appropriate requirements of Subsection G of 19.15.17.13 NMAC				
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 requested an exception which must be submitted to the Santa Fe Environmen demonstrations of equivalency are required. Please refer to 19.15.17.10 NMAC	te closure plan. Recommendations of acceptable sour uire administrative approval from the appropriate distr tal Bureau office for consideration of approval. Justij	ict 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; D	ata 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; D	ata 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, D	ata obtained from nearby wells	☐ Yes ☐ No☐ NA		
Within 300 feet of a continuously flowing watercourse, or 200 feet of any other slake (measured from the ordinary high-water mark). - Topographic map; Visual inspection (certification) of the proposed site	significant watercourse or lakebed, sinkhole, or playa	Yes No		
Within 300 feet from a permanent residence, school, hospital, institution, or chur - Visual inspection (certification) of the proposed site; Aerial photo; Satell		☐ Yes ☐ No		
Within 500 horizontal feet of a private, domestic fresh water well or spring that I watering purposes, or within 1000 horizontal feet of any other fresh water well o NM Office of the State Engineer - iWATERS database; Visual inspection	r spring, in existence at the time of initial application.	Yes No		
Within incorporated municipal boundaries or within a defined municipal fresh wadopted pursuant to NMSA 1978, Section 3-27-3, as amended. - Written confirmation or verification from the municipality; Written appr	·	Yes No		
Within 500 feet of a wetland - US Fish and Wildlife Wetland Identification map; Topographic map; Vis	sual 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-Mini	ng and Mineral Division	☐ Yes ☐ No		
 Within an unstable area. Engineering measures incorporated into the design; NM Bureau of Geold Society; Topographic map 	ogy & 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 following items must be attached to the closure plan. Please indicate, by a check mark in the box, that the documents are attached. Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19.15.17.10 NMAC Proof of Surface Owner Notice - based upon the appropriate requirements of Subsection F of 19.15.17.13 NMAC Construction/Design Plan of Burial Trench (if applicable) based upon the appropriate requirements of 19.15.17.11 NMAC Construction/Design Plan of Temporary Pit (for in-place burial of a drying pad) - based upon the appropriate requirements of 19.15.17.13 NMAC 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 Waste Material Sampling Plan - 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 or in case on-site closure standards cannot be achieved) Soil Cover Design - based upon the appropriate requirements of Subsection I of 19.15.17.13 NMAC Re-vegetation Plan - based upon the appropriate requirements of Subsection I of 19.15.17.13 NMAC				

19. 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:
20. OCD Approval: Permit Application (including closure plan) Closure Plan (only) OCD Conditions (see attachment)
OCD Representative Signature: Approval Date: 10/20/2011
Title: Compliance VOFFice/ 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.
X Closure Completion Date: 9/2/09
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
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) \(\subseteq \) 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. 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
25. 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: Date: 10/9/09
a mail address and hosely@apargen.com Tolonhone: (505) 324-4131

BELOW-GRADE TANK CLOSURE REPORT

ENERGEN RESOURCES

Jicarilla 94 #8

CLOSURE STEPS:

- (1) Notified the surface owner (Jicarilla) that the below-grade tank will be closed.
- (2) The tank contained no liquids at the time of the work.
- (3) Removed the below-grade tank. The tank was reused in an above-ground setup.
- (4) Tested the soils beneath the below-grade tank to determine whether a release has occurred.
 - Collected composite sample;

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

- Benzene concentration 0.0018
- Total BTEX concentration 0.0545 ppm
- TPH concentration (418.1) 8.0 ppm
- Chloride concentration 60 ppm
- (6) The soil analyses showed that the soils were **below** the concentrations specified in 19.15.17 NMAC as an indication of a release.
- (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 a tank was set above ground in the same location. Seeding and final reclamation will take place upon P&A.



October 2, 2009 Project No. 03022-0156

Phone: (505) 793-7606

Mr. Bill Stalcup Energen Resources 2010 Afton Place Farmington, NM 87401

RE: BELOW GRADE TANK CLOSURE DOCUMENTATION

JICARILLA 94 #8 WELL SITE, RIO ARRIBA COUNTY, NEW MEXICO

Dear Mr. Stalcup,

Enclosed please find the field notes and analytical results for below-grade tank (BGT) closure activities performed at the Jicarilla 94 #8 well site located in Section 24, Township 27N, Range 3W, Rio Arriba County, New Mexico. A five-point composite was collected from directly beneath the BGT. The sample was analyzed in the field for total petroleum hydrocarbons (TPH) using USEPA Method 418.1 and for organic vapors using a Photo Ionization Detector (PID). Additionally, the sample was placed into a four (4)-ounce glass jar, capped headspace free, and transported on ice under chain of custody to Envirotech's laboratory to be analyzed for benzene and BTEX using USEPA Method 8021 and for Total Chloride using USEPA Method 4500. The sample returned results below the regulatory standards of 100 ppm TPH, 0.2 ppm benzene, 50 ppm BTEX and 250 ppm chlorides, confirming a release had not occurred at this site. Therefore, excavation was not required. Envirotech, Inc. recommends no further action in regards to this incident.

We appreciate the opportunity to be of service. If you have any questions or require additional information, please contact our office at (505) 632-0615.

Respectfully Submitted,

ENVIROTECH, INC.

Joshua M. Kirchner

Sr. Environmental Scientist jkirchner@envirotech-inc.com

Enclosures:

Field Notes

Analytical Results

Cc:

Client File No. 03022

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PAGE NO: OF			MW17	01ecl 5 (600) 362-15]]]]		ENTAL SPECIAL	rsi.
DATE STARTED: 917/9				armington, NM C	37401	LAT:		
DATE FINISHED: 9/2/9				AT INTO VIEW		LONG:		
				SURE VE				
LOCATION: NAME: Tican	19 94	WELL#:	8	TEMP PIT:	PERMAN		BGT:	· · · · · · · · · · · · · · · · · · ·
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QINTOUTAGE. 790 FILE Y	701WC	CNII. K	-60 M	1 02	31. ////			
EXCAVATION APPROX:	FT. X		FT. X			CUBIC YAR	DAGE: ~	
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CONSTRUCTION MATERIAL:	<u>~</u>	API: 300		VITH LEAK I				,
LOCATION APPROXIMATELY:	115	_		FROM WELI		•		
DEPTH TO GROUNDWATER: 7, 0	——————————————————————————————————————	<u> </u>	3	IROM WEEL	JIII/100			
TEMPÖRARY PIT - GROUNDWAT								
BENZENE $\leq 0.2 \text{ mg/kg}$, BTEX $\leq 50 \text{ mg/kg}$	kg, GRO & DR	O FRACTIO	N (8015) ≤ 50	00 mg/kg, TPH ((418.1) ≤ 2500	mg/kg, CHLOF	RIDES ≤ 500 mg/kg	
TEMPORARY PIT - GROUNDWAT BENZENE ≤ 0.2 mg/kg, BTEX ≤ 50 mg/k			√ (8015) ≤ 50	0 mg/kg, TPH (4	418.1) ≤ 2500 :	mg/kg, CHLOR	IDES ≤ 1000 mg/kg	
PERMANENT PIT OR BGT								
BENZENE ≤ 0.2 mg/kg, BTEX ≤ 50 mg/l	kg, TPH (418.1)) ≤ 100 mg/kg	, CHLORIDI	ES ≤ 250 mg/kg				
			FIEL	D.418.1 ANAL	YSIS			
TIME	SAMPLE LD	LAB NO.	GHT	mL FREON	DILUTION	READING	CALC.	
	200 STD	1	-	70	-	2	2 (
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36				9. ©				
LAB SAMPLES SAMPLE ID ANALYSIS RESULTS BENZENE BTEX	NOTES:							
GRO & DRO								
CHLORIDES								
	WORKORDF	R #	_	WHO ORDER	ED		_	



EPA METHOD 418.1 TOTAL PETROLEUM HYDROCARBONS

Client:

Energen Resources

Sample No.:

Sample ID: Sample Matrix: composite

Soil Preservative:

Cool

Condition:

Cool and Intact

Project #:

03022-0156

Date Reported:

10/2/2009

Date Sampled:

9/2/2009

Date Analyzed:

9/2/2009

Analysis Needed:

TPH-418.1

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

Total Petroleum Hydrocarbons

8.0

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:

Energen Resources Jicirilla 94 # 8

Instrument calibration checked against 200 ppm standard. Zeroed before each sample



EPA METHOD 8021 AROMATIC VOLATILE ORGANICS

Client.	Energen	Project #.	03022-0156
Sample ID:	1	Date Reported:	09-14-09
Laboratory Number:	51545	Date Sampled:	09-02-09
Chain of Custody:	7895	Date Received:	09-04-09
Sample Matrix:	Soil	Date Analyzed:	09-14-09
Preservative ⁻	Cool	Date Extracted:	09-11-09
Condition:	Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)	
Damana	4.0	0.0	
Benzene	1.8	0.9	
Toluene	10.7	1.0	
Ethylbenzene	10.7	1.0	
p,m-Xylene	19.5	1.2	
o-Xylene	11.8	0.9	
Total BTEX	54.5		

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	96.0 %
	1,4-difluorobenzene	96.0 %
	Bromochlorobenzene	96.0 %

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:

Jicarilla 94 #8

Analyst

Review



Chloride

Client:	Energen	Project #:	03022-0156
Sample ID:	1	Date Reported:	09-11 - 09
Lab ID#:	51545	Date Sampled:	09-02-09
Sample Matrix:	Soil	Date Received:	09-04-09
Preservative:	Cool	Date Analyzed:	09-09-09
Condition:	Intact	Chain of Custody:	7895

Parameter	Concentration (mg/Kg)

Total Chloride

60

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 94 #8.

Analyst

Thistle of Wa

October 9, 2009

New Mexico Oil Conservation Division 1000 Rio Brazos Road Aztec, New Mexico 87410 Attn: Brandon Powell

Re: Jicarilla 94 #8

Below Grade Tank Closure

Dear Mr. Powell:

Enclosed is the final C-144 Form for the Below-Grade Tank closure on the subject well location.

Envirotech conducted the sampling and their report and laboratory analyses are included. As we discussed yesterday, I failed to notify the NMOCD prior to the closure work being conducted. The landowner (Dixon Sandoval – Jicarilla) was verbally notified prior to the work. I am aware of my oversight and have made changes to my work practices to prevent this from happening in the future.

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

Sincerely,

Ed Hasely Sr. Environmental Engineer Energen Resources

Attachments: Final C-144

Closure Report Lab Reports

Cc: HSE File Facility File

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 Form C-141 Revised October 10, 2003 Submit 2 Copies to appropriate

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

Release Notification and Corrective Action

					OPERATOR	<u> </u>	Initial F	Report		
Name of Company: Energen Resources, Inc.				Contact: E						
Address: 2010 Afton Place, Farmington, NM 87401				Telephone No: 5	Telephone No: 505-324-4131					
			Facility Type: O	Facility Type: Oil/Gas Well Site						
			* '11							
Surface Owner: Jicarilla Mineral Owner:				er: Jicarilla	Jicarilla Lease No.					
LOCATION OF RELEASE										
Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Lin			
D	24	27N	3 W					Rio Arriba		
Latitude_36.56394_ Longitude107.10145_										
NATURE OF RELEASE										
Type of Relea		EASE				Volume of Release:		Volume Recovered:		
Source of Rele	Source of Release:				Date and Hour	Date and Hour of Occurrence:		Date and Hour of Discovery:		
Was Immedia	te Notice Gi	iven?			If YES, To Who	m?		·		
		Y	es 🔲 h	Not Require	ed			0192021222		
By Whom?					Date and Hour:			/A 12 / \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \		
Was a Watero	Was a Watercourse Reached? Yes No			If YES, Volume	If YES, Volume Impacting the Watercourse.					
If a Watercou	rse was Imr	acted. Descri	be Fully.	*			l'o	2 octiedad		
If a Watercourse was Impacted, Describe Fully.* 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 -										
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.										
Signature: ENHALI				<u>O</u>	OIL CONSERVATION DIVISION					
Printed Name:	Ed Hasely	/		14.5	Approved by Distri	Approved by District Supervisor.				
Title [.]	Sr. Enviro	onmental Engi	neer		Approval Date		::			
E-mail Addres	s: <u>ed hasely@</u>	Venergen.com			Conditions of Appr	roval:	A	uttached		
Date. 10/14/1	1 1	Phone: 505-32	4-4131/5	05-330-3584(cell)						

^{*} Attach Additional Sheets If Necessary

