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 Fo, NM 87505

Alternative Method:

1 6

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

1220 S St. Francis Dr., Santa Fc. NM 8/305	Santa Fe, NM 87505	District Office
Proposed Alternative N Type of action ☐ Permit of a pit, clo	existing permit ubmitted for an existing permitted	Plan Application OIL CONS. DIV.
Instructions: Please submit one application (Form C		-
Please be advised that approval of this request does not relieve theorems of the responsibilities. Nor does approval relieve the operator of its responsibilities.		
Operator Energen Resources Address 2010 Afton Place, Farmington, New Mexico 8740	OGRID#	162928
Facility or well name		
API Number <u>3003906733</u>	OCD Permit Number	
U/L or Qtr/Qtr D Section 6 Township	26N Range 05W Count	y <u>Rio Arriba</u>
Center of Proposed Design Latitude 36 52099	_ Longitude107_40647	NAD □1927 ⊠ 1983
Surface Owner ☐ Federal ☐ State ☐ Private ☒ Tribal Trus	t or Indian Allotment	
Pit: Subsection F or G of 19 15 17 11 NMAC Temporary □ Drilling □ Workover □ Permanent □ Emergency □ Cavitation □ P&A □ Lined □ Unlined Liner type Thicknessmil □ String-Reinforced Liner Seams □ Welded □ Factory □ Other		
Closed-loop System: Subsection H of 19 15 17 11 NMA	3	
Type of Operation	over or Drilling (Applies to activities values of Drilling (Applies to activities values of Drilling Other	-
4		
X Below-grade tank: Subsection I of 19 15 17 11 NMAC	Produced Water	
Volumebbl Type of fluid Tank Construction material		
Secondary containment with leak detection Visible signal.		overflow shut-off
☐ Visible sidewalls and line: ※ Visible sidewalls only ☐		
Linei type Thickness mil HDPE	PVC Other	
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)	hospital,
Four foot height, four strands of barbed wire evenly spaced between one and four feet	
Alternate Please specify	
Netting: Subsection E of 19 15 17 11 NMAC (Applies to permanent pits and permanent open top tanks) ☐ Screen ☐ Netting ☐ Other	
Monthly inspections (If netting or screening is not physically feasible)	
8	
Signs: Subsection C of 19 15 17 11 NMAC	
12"x 24", 2" lettering, providing Operator's name, site location, and emergency telephone numbers	
Signed in compliance with 19 15 3 103 NMAC	
9 Administrative Approvals and Exceptions:	
Justifications and/or demonstrations of equivalency are required Please refer to 19 15 17 NMAC for guidance 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	office for
consideration of approval Exception(s) Requests must be submitted to the Santa Fe Environmental Bureau office for consideration of approval	
10 Setting Criteria (consulting consulting value), 10 15 17 10 NMAC	
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 acceptance.	
material are provided below. Requests regarding changes to certain siting criteria may require administrative approval from the appro office 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 dry 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	Yes No
lake (measured from the ordinary high-water mark) - Topographic map, Visual inspection (certification) of the proposed site	
Within 300 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application	☐ Yes ☐ No
(Applies to temporary, emergency, or cavitation pits and below-grade tanks) - Visual inspection (certification) of the proposed site, Aerial photo, Satellite image	□ NA
Within 1000 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application	Yes No
(Applies to permanent pits) - Visual inspection (certification) of the proposed site, Aerial photo, Satellite image	□ NA
Within 500 horizontal feet of a private, domestic fresh water well or spring that less than five households use for domestic or stock	☐ Yes ☐ No
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	
Within incorporated municipal boundaries or within a defined municipal fresh water well field covered under a municipal ordinance	☐ Yes ☐ No
adopted pursuant to NMSA 1978, Section 3-27-3, as amended - Written confirmation or verification from the municipality, Written approval obtained from the municipality	
Within 500 feet of a wetland	Yes No
- US Fish and Wildlife Wetland Identification map, Topographic map, Visual inspection (certification) of the proposed site	
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	☐ Yes ☐ No
Society, Topographic map	
Within a 100-year floodplain - FEMA map	☐ Yes ☐ No

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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
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 H₂S, Prevention Plan
Emergency Response Plan
Oil Field Waste Stream Characterization
☐ Monitoring and Inspection Plan ☐ Erosion Control Plan
Closure Plan - based upon the appropriate requirements of Subsection C of 19 15 17 9 NMAC and 19 15 17 13 NMAC
14
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 X 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)
15
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 13 NMAC
Site Reclamation Plan - based upon the appropriate requirements of Subsection G of 19 15 17 13 NMAC

From C-144 (al Conservation Division Page 3 of 5)

Waste Removal Closure For Closed-loop Systems That Utilize Above Ground Steel Tanks or Haul Instructions: Please indentify the facility or facilities for the disposal of liquids, drilling fluids and dr.				
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 occur on or in areas that \(\subseteq \text{ Yes} \) (If yes, please provide the information below) \(\subseteq \subseteq \text{ No} \)	t will not be used for future serv	rice and operations?		
Required for impacted areas which will not be used for future service and operations Soil Backfill and Cover Design Specifications based upon the appropriate requirements of Subsection I of 19 15 17 13 NM. Site Reclamation Plan - based upon the appropriate requirements of Subsection G of 19 15 17 13 NM.	AC	2		
Siting Criteria (regarding on-site closure methods only): 19 15 17.10 NMAC Instructions: Each siting criteria requires a demonstration of compliance in the closure plan. Recomprovided below. Requests regarding changes to certain siting criteria may require administrative approximately an exception which must be submitted to the Santa Fe Environmental Bureau office for condemonstrations of equivalency are required. Please refer to 19.15.17.10 NMAC for guidance.	roval from the appropriate disti	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 obtained from nearby	y 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 obtained from nearb	by 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 obtained from nearby	by wells	☐ Yes		
Within 300 feet of a continuously flowing watercourse, or 200 feet of any other significant watercourse (lake (measured from the ordinary high-water mark) - Topographic map, Visual inspection (certification) of the proposed site	or lakebed, sınkhole, or playa	Yes No		
Within 300 feet from a permanent residence, school, hospital, institution, or church in existence at the tire. Visual inspection (certification) of the proposed site, Aerial photo, Satellite image.	ne of initial application	☐ Yes ☐ No		
Within 500 horizontal feet of a private, domestic fresh water well or spring that less than five households watering purposes, or within 1000 horizontal feet of any other fresh water well or spring, in existence at - NM Office of the State Engineer - 1WATERS database, Visual inspection (certification) of the p	the time of initial application	☐ Yes ☐ No		
Within incorporated municipal boundaries or within a defined municipal fresh water well field covered adopted pursuant to NMSA 1978, Section 3-27-3, as amended - Written confirmation or verification from the municipality, Written approval obtained from the results of the section of the sec	·	Yes No		
Within 500 feet of a wetland - US Fish and Wildlife Wetland Identification map, Topographic map, Visual inspection (certification)	ation) 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	n	☐ Yes ☐ No		
 Within an unstable area Engineering measures incorporated into the design, NM Bureau of Geology & Mineral Resource Society, Topographic map 	es, 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 multiply a check mark in the box, that the documents are attached. Sting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19 15 17 Proof of Surface Owner Notice - based upon the appropriate requirements of Subsection F of 19 1 Construction/Design Plan of Burial Trench (if applicable) based upon the appropriate requirement Construction/Design Plan of Temporary Pit (for in-place burial of a drying pad) - based upon the 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 Disposal Facility Name and Permit Number (for liquids, drilling fluids and drill cuttings or in case Soil Cover Design - based upon the appropriate requirements of Subsection H of 19 15 17 13 NM Re-vegetation Plan - based upon the appropriate requirements of Subsection I of 19 15 17.13 NM. Site Reclamation Plan - based upon the appropriate requirements of Subsection G of 19.15 17.13 NM.	7 10 NMAC 5 17 13 NMAC tts of 19 15 17 11 NMAC appropriate requirements of 19 on F of 19 15 17 13 NMAC 5 17 13 NMAC e on-site closure standards cann AC AC	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 closure plan) Closure Plan (only) OCD Conditions (see attachment) OCD Representative Signature: Approval Date: 1/1/2012 Title: OMP [Sance Office Office 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: 11/17/11
Closure Method: 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 Permyt Number
Disposal Facility Name 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
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) 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 O
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 12/1/1
e mail address — ed hocals@anargen.com Telenhone (505) 324-4131

BELOW-GRADE TANK CLOSURE REPORT

ENERGEN RESOURCES Jicarilla West #6

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 below-grade 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	ND
TPH (418.1)	100	101 (exceedance)
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.

Not applicable.

(8) <u>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</u>

Attached. Proceeded per 19.15.29 and 19.15.30.

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.



October 28, 2011

Jicarilla Apache Nation Environmental Protection Office P.O. Box 507 Dulce, NM 87528

Attn: Mr. Hobson Sandoval, Environmental Specialist

CERTIFIED MAIL RECEIPT
(Domestic Mail Only; No Insurance Coverage Provided)

For delivery information visit our website at www.usps.com.

Postage \$

Certified Fee (Endorsement Required)

Restricted Delivery Fee (Endorsement Required)

Total Postage & Fees \$

Sent To

Street, Apt. No.;
or PO Box No.

City, State, ZIP+4

ist

Re:

Below Grade Tank Closure

Jicarilla West #6

Dear Sirs:

Energen Resources plans to close a below grade tank located on the subject location. You are on record as the surface owner where this tank is located. 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 D, Section 6, Township 26N, Range 5W in Rio Arriba County, New Mexico.

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

Sincerely,

Ed Hasely

Sr. Environmental Engineer

Energen Resources

Cc:

Well File

Correspondence

آرو ل وير گرد COMPLETE THIS SECTION ON DELIVERY SENDER: COMPLETE THIS SECTION A. Signature ■ Complete items 1, 2, and 3. Also complete Agent item 4 if Restricted Delivery is desired. Print your name and address on the reverse □ Addresse Date of Deliver 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. D. Is delivery address different from Item 1? 1. Article Addressed to: If YES, enter delivery address below: Vicarilla Apadre Nation EP6 3. Service Type Certified Mail ☐ Express Mail ☐ Return Receipt for Merchandis □ Registered □ C.O.D. ☐ Insured Mail 4. Restricted Delivery? (Extra Fee) ☐ Yes 2 Article Number 11 2820 0000 5800 (Transfer, from serv 7009 102595-02-M-15 PS Form 3811, February 2004 Domestic Return Receipt

Ed Hasely

From:

Ed Hasely

Sent:

Friday, October 28, 2011 7 52 AM

To:

'Brandon Powell'

Cc: Subject: 'hsandoval_99@yahoo com', Billy Stalcup Jicarilla West #6 BGT Closure Notification

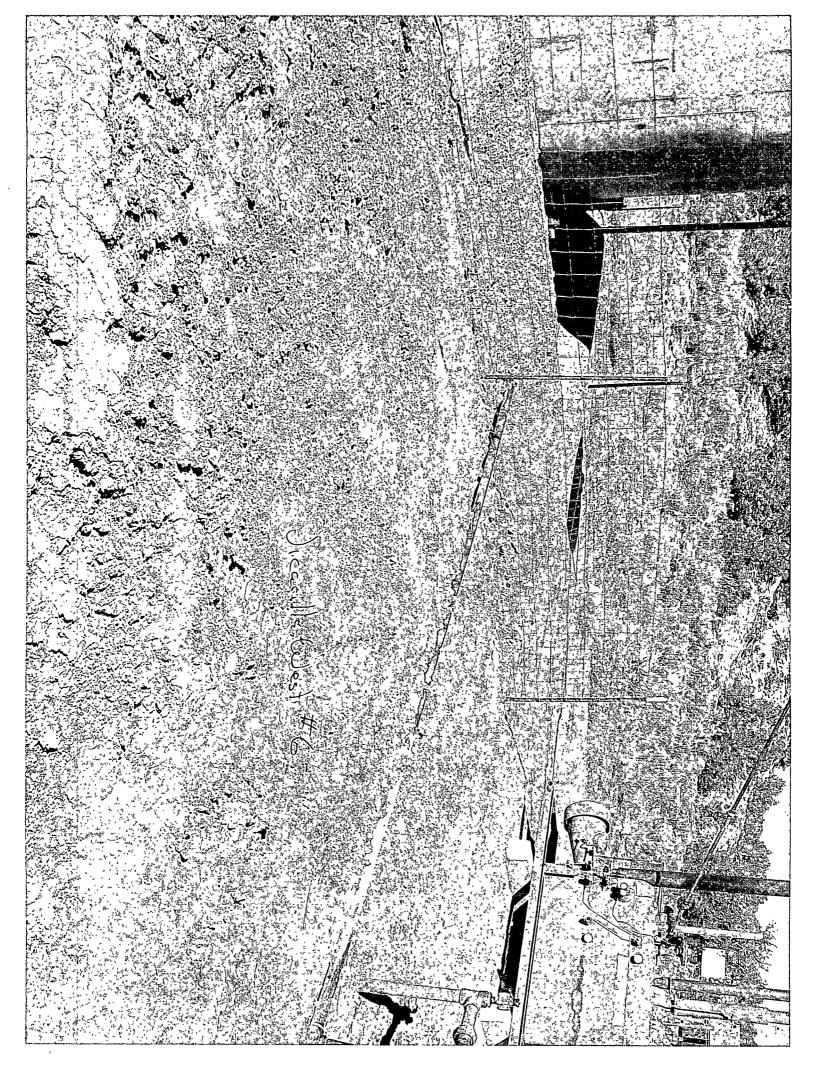
Brandon – Energen plans to close the listed BGT in the near future. Let me know if you have any questions. Thanks.

Jica rilla West #6 - Unit Letter D, Section 6, Township 26N, Range 5W

Ed Hasely

Energen Resources Corporation

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







OTL CONS. DIV.

DIST. 3

December 1, 2011

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

Jicarilla 35 #7 Re:

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.

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

Proof of Closure Notice

Photo

Jicarilla EPO Cc:

> Jicarilla O&G HSE File Facility File Correspondence



RCVD DEC 2'11

December 1, 2011

OIL CONS. DIV.

DIST. 3

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

Jicarilla West #6 Re:

C-141 Submittal

Below Grade Tank Closure - Release Submittal

Dear Mr. Powell:

Enclosed is the final C-141 Form for the possible release identified during a Below-Grade Tank closure on the subject well location.

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-141

Lab Reports

Cc: Hobson Sandoval – Jicarilla EPO

Bryce Hammond – Jicarilla Oil and Gas

HSE File Facility File Correspondence 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 ubmit 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

I			OPERATOR	₹	Initial	Report		Report			
Name of Company: Energen Resources, Inc			Contact: E	d Hasely							
			Telephone No: 50	05-324-4131							
Facility Name: Jicarilla West #6 (API 3003906733)			I	Facility Type: Or	ıl/Gas Well Site						
Surface Owner: Jicarilla Mineral Owner			ner:	Jicarılla		Lease No	. Jicarılla	West			
	LOCATION OF RELEASE										
Unit Letter D	Section 6	Township 26N	Range 5W	Feet from the 950	No:	rth/South Line rth	Feet from the 900	East/West L West		nty Arrıba	
	Latitude 36.52099 Longitude -107 40647										
				NATUI	RE (OF RELEASI					
Type of Releas						Volume of Relea	· - · · · · · · · · · · · · · · · · · · ·	Volume Recovered: 0 bbls			
Source of Rele	ase: Produc	tion Pit Tank				Date and Hour of Unknown	of Occurrence:	Date and H	lour of Dis	covery:	
Was Immedia	te Notice Gi	ven?	es 🗌 N	lo 🛭 Not Requi	red	If YES, To Who	m?				
By Whom?						Date and Hour:					
Was a Waterc	ourse Reach					If YES, Volume	Impacting the W	atercourse. 1	NA		
			es 🛛 N	lo							
If a Watercou	If a Watercourse was Impacted, Describe Fully.* NA RCVD DEC 2'11 OIL CONS. DIV. DIST. 3										
over 100 ppm i	rneath the ta	nk during the long of a release	oelow-gra	de tank closure sh	owed	i TPH (Method 418	31) results of 101	ppm Accordu	ng to the Pi	t Rule, any res	sult
Describe Area The sample tes attached					no re	emediation is necess	sary The area was	s backfilled w/	clean soils	Lab analyses	s are
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 of 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 of 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	2/He	w/									
Printed Name Ed Hasely Approved by District Supervisor											
Title	Sr Enviro	nmental Engir	ieer		A	Approval Date		Expiration Da	nte		
E-mail Address cd hasely@energen com Conditions of Approval Attached											
Date 12/1/11	<u> </u>	hone 505-324	-4131 / 50	05-330-3584(cell)						-	

^{*} Attach Additional Sheets If Necessary



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

Client:	Energen Resources	Project #:	03022-0168
Sample ID:	BGT	Date Reported:	11-09-11
Laboratory Number	60199	Date Sampled:	11-03-11
Chain of Custody No:	12894	Date Received:	11-04-11
Sample Matrix:	Soil	Date Extracted:	11-04-11
Preservative:	Cool	Date Analyzed [.]	11-07-11
Condition:	Intact	Analysis Requested:	8015 TPH

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

ND - Parameter not detected at the stated detection limit.

References:

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

Waste, SW-846, USEPA, December 1996

Comments:

Jicarilla West #6

Review



EPA METHOD 8021 AROMATIC VOLATILE ORGANICS

Client	Energen Resources		Project #		03022-0168
Sample ID.	BGT		Date Reported:		11-08-11
Laboratory Number.	60199		Date Sampled.		11-03-11
Chain of Custody	12894		Date Received.		11-04-11
Sample Matrix	Soil		Date Analyzed.		11-07-11
Preservative ⁻	Cool		Date Extracted.		11-04-11
Condition:	Intact		Analysis Requested.		BTEX
			Dilution:		10
				Det.	
	1	Concentration		Limit	
Parameter		(ug/Kg)		(ug/Kg)	
Benzene		ND		0.9	
Toluene		ND		1.0	
Ethylbenzene		ND		1.0	
p,m-Xylene		ND		1.2	
o-Xylene		ND		0.9	

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	80.9 %
	1,4-difluorobenzene	89.0 %
	Bromochlorobenzene	80.9 %

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 West #6

Analyst

Review



EPA METHOD 418.1 TOTAL PETROLEUM HYDROCARBONS

Client:	Energen Resources	Project #:	03022-0168
Sample ID:	BGT	Date Reported	11-08-11
Laboratory Number:	60199	Date Sampled:	11-03-11
Chain of Custody No	12894	Date Received	11-04-11
Sample Matrix	Soil	Date Extracted:	11-07-11
Preservative:	Cool	Date Analyzed:	11-07-11
Condition:	Intact	Analysis Needed:	TPH-418.1

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

Total Petroleum Hydrocarbons

101

7.2

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 West #6

Review

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Chloride

Client: **Energen Resources** Project # 03022-0168 **BGT** Sample ID: Date Reported: 11-08-11 Lab ID#: 60199 Date Sampled 11-03-11 Soil Date Received: Sample Matrix. 11-04-11 Preservative: Cool Date Analyzed. 11-07-11 Condition. Intact Chain of Custody: 12894

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:

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Review

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