District I 1625 N Freich Dr., Hobbs, NM 88240 District [] 1301 W Grand Avenue, Artesia, NM88210 District III 1000 Rio Brazos Road, Aztec, NM 87410 District IV 1220 S St Francis Dr, Santa Fe, NM 87505

## State of New Mexico Energy Minerals and Natural Resources Department Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505

For temporary pits, closed-loop systems, and below-grade tanks, submit to the appropriate NMOCD District Office.

For permanent pits and exceptions submit to the Santa Fe Environmental Bureau office and provide a copy to the appropriate NMOCD District Office

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Pit, Closed-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 ease 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 vironment. 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 '. OGRID # 162928
Operator       Energen Resources       .       OGRID #       162928         Address       2010 Afton Place, Farmington, New Mexico 87401       .       .
Faculty or well name Burrell 29-9-3 #1
API Number 3004527863 OCD Permit Number
J/L or Qtr/Qtr H Section 3 Township 29N Range 09W County San Juan
Center of Proposed Design Latitude 36 75507 Longitude -107 76111 NAD. ☐1927 ☑ 1983
Surface Owner 🔲 Federal 🔲 State 🔯 Private 🔲 Tribal Trust or Indian Allotment
Pit: Subsection I' oi G of 19 15 17 11 NMAC    Pemporary
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 nitent)  Drying Pad Above Ground Steel Tanks Haul-off Bins Other  Lined Unlined Liner type Thicknessmil LLDPE HDPE PVC Other  Linet Seams Welded Factory Other
X Below-grade tank: Subsection I of 19 15 17 11 NMAC  Volume

Alternative Method:

140rm C-144

Linei type Thickness\_

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

Page Lof 5 Oil Conservation Division

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 acceptant material are provided below. Requests regarding changes to certain siting criteria may require administrative approval from the approach 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.	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 ☐ NA
Within 1000 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application (Applies to permanent pits)  - Visual inspection (certification) of the proposed site, Aerial photo; Satellite image	☐ Yes ☐ No ☐ 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
<ul> <li>Within an unstable area</li> <li>Engineering measures incorporated into the design, NM Bureau of Geology &amp; Mineral Resources; USGS; NM Geological Society, Topographic map</li> </ul>	☐ Yes ☐ No
Within a 100-year floodplain - FEMA map	☐ Yes ☐ No

11
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   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 <sub>2</sub> S, Prevention Plan   Emergency Response Plan   Oil Field Waste Stream Characterization   Monitoring and Inspection 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 X Below-grade Tank Closed-loop System Alternative
Proposed Closure Method X Waste Excavation and Removal
<ul> <li>☐ Waste Removal (Closed-loop systems only)</li> <li>☐ On-site Closure Method (Only for temporary pits and closed-loop systems)</li> </ul>
☐ 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
**She rectaination Fian - based upon the appropriate requirements of Subsection O of 19.13 1/13 NMAC

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 the disposal of liquids, drilling fluids and drill cuttings. Use		
facilities are required.	•	
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 will not be use Yes (If yes, please provide the information below) No	d for future service 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 H of 19 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	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 closure plan. Recommendations of provided below. Requests regarding changes to certain siting criteria may require administrative approval from the a considered an exception which must be submitted to the Santa Fe Environmental Bureau office for consideration of demonstrations of equivalency are required. Please refer to 19.15.17.10 NMAC for guidance.	appropriate district 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 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 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 obtained from nearby wells	☐ Yes ☐ No ☐ NA	
Within 300 feet of a continuously flowing watercourse, or 200 feet of any other significant watercourse or lakebed, sink lake (measured from the ordinary high-water mark)  - Topographic map, Visual inspection (certification) of the proposed site	hole, or playa Yes No	
Within 300 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial app - Visual inspection (certification) of the proposed site, Aerial photo, Satellite image	lication.  Yes No	
Within 500 horizontal feet of a private, domestic fresh water well or spring that less than five households use for domest watering purposes, or within 1000 horizontal feet of any other fresh water well or spring, in existence at the time of initial NM Office of the State Engineer - iWATERS database, Visual inspection (certification) of the proposed site		
Within incorporated municipal boundaries or within a defined municipal fresh water well field covered under a municipal adopted pursuant to NMSA 1978, Section 3-27-3, as amended  - Written confirmation or verification from the municipality; Written approval obtained from the municipality	al ordinance Yes No	
Within 500 feet of a wetland - US Fish and Wildlife Wetland Identification map, Topographic map, Visual inspection (certification) of the projection.	posed site	
Within the area overlying a subsurface mine - Written confirmation or verification or map from the NM EMNRD-Mining and Mineral Division	☐ Yes ☐ No	
<ul> <li>Within an unstable area</li> <li>Engineering measures incorporated into the design, NM Bureau of Geology &amp; Mineral Resources; USGS, NM G Society, Topographic map</li> </ul>	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 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 1  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  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  Soil Cover Design - 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	I NMAC prements of 19 15 17 11 NMAC 7 13 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
January Date
e-mail address Telephone
OCD Approval: Permit Application (including closure plan) Closure Plan (only) OCD Conditions (see attachment)
OCD Representative Signature: Kelley Approval Date: 1/17/2012
Title: Compliance Office OCD Permit Number:
LONG CONTRACTOR CONTRA
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: 2/5/09
22
Closure Method:
X Waste Excavation and Removal  On-Site Closure Method  Alternative Closure Method  Waste Removal (Closed-loop systems only)
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
25 Operator Cleaure Cartification
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 2/10/09 Date 2/10/09
Duto -41-1
e-mail address — ed hasely@energen.com Telephone: (505) 324-4131

# BELOW-GRADE TANK CLOSURE REPORT

#### **ENERGEN RESOURCES**

#### Burrell 29-9-3 #1

## **CLOSURE STEPS:**

- (1) Notified the surface owner (BLM) that the below-grade tank will be closed. ---- Letter Attached
- (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 0.0047 ppm
- Total BTEX concentration 0 0363 ppm
- TPH concentration (418.1) 20.2 ppm
- Chloride concentration 20 ppm
- (5) The soil analyses showed that the soils were **below** the concentrations specified in 19.15.17 NMAC as an indication of a release
- (6) Backfilled the excavation with compacted, non-waste containing, earthen material in a manner that will prevent ponding or erosion.
- (7) 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.

#### **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 <sup>.</sup>	Energen	Project #	03022-0001
Sample ID	Burrell 29-9-3 #1	Date Reported:	01-27-09
Laboratory Number.	48823	Date Sampled:	01-20-09
Chain of Custody	6229	Date Received:	01-22-09
Sample Matrix:	Soil	Date Analyzed.	01-26-09
Preservative	Cool	Date Extracted <sup>-</sup>	01-23-09
Condition:	Intact	Analysis Requested.	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)	, 1197
			***************************************
Benzene	4.7	0.9	
Toluene	5.3	1.0	
Ethylbenzene	7.0	1.0	
p,m-Xylene	10.5	1.2	
o-Xylene	8.8	0.9	
Total BTEX	36.3		

ND - Parameter not detected at the stated detection limit

Surrogate Recoveries:	Parameter	Percent Recovery	
	Fluorobenzene	98.0 %	
	1,4-difluorobenzene	98.0 %	
	Bromochlorobenzene	98.0 %	

References<sup>1</sup>

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:

**Below Grade Tanks** 

Analyst

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

Client.	Energen	Project #:	03022-0001
Sample ID:	Santa Rosa 29-9-3 #1	Date Reported:	01-26-09
Laboratory Number:	48823	Date Sampled:	01-20-09
Chain of Custody No:	6229	Date Received:	01-22-09
Sample Matrix:	Soil	Date Extracted:	01-23-09
Preservative:	Cool	Date Analyzed:	01-23-09
Condition:	Intact	Analysis Needed:	TPH-418.1

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

**Total Petroleum Hydrocarbons** 

20.2

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:

Below Grade Tanks.



#### Chloride

Client.	Energen	Project #:	03022-0001
Sample ID <sup>.</sup>	Burrell 29-9-3 #1	Date Reported:	01-26-09
Lab ID#:	48823	Date Sampled:	01-20-09
Sample Matrix.	Soil	Date Received:	01-22-09
Preservative.	Cool	Date Analyzed:	01-23-09
Condition:	Intact	Chain of Custody:	6229

Parameter Concentration (mg/Kg)

Total Chloride 20

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 Below Grade Tanks.

Analyst

Review Malter



November 25, 2008

Bureau of Land Management 1235 La Plata Highway Farmington, New Mexico 87401 Attn: Mr. Jim Lavoto

Re:

Below Grade Tank Closures

Multiple Locations

Dear Mr. Lavoto:

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

5397

0000

1490

7007

Certified Fee

Return Receipt Fee (Endorsement Required)

Restricted Delivery Fee (Endorsement Required)

Total Postage & Fees

or PO Box No

BLM

Postmark

Multiple BGT

BURRELL 29-9-3 #1 FC - Unit Letter H, Section 3, Township 29N, Range 9W
FEDERAL 29-9-15 #1 FC - Unit Letter B, Section 15, Township 29N, Range 9W
SANTA ROSA 29-9-17 #3 FC - Unit Letter C, Section 17, Township 29N, Range 9W
SANTA ROSA 29-9-4 #4 FC - Unit Letter P, Section 4, Township 29N, Range 9W
SANTA ROSA 29-9-8 #3 FC - Unit Letter F, Section 8, Township 29N, Range 9W
SANTA ROSA 29-9-8 #4 FC - Unit Letter I, Section 8, Township 29N, Range 9W
SANTA ROSA 29-9-9 #3 FC - Unit Letter F, Section 9, Township 29N, Range 9W
SANTA ROSA 9 #1 FC - Unit Letter G Section 9 Townshin 29N Range 9W Multiple BGT Clusures

SENDER: COMPLETE THIS SECTION

Complete items 1, 2, and 3. Also complete

If there are any questions or c

Sincerely,

Ed Hasely

Sr. Environmental Engineer

Energen Resources

<ul> <li>Print your name and address on the reverse so that we can return the card to you.</li> <li>Attach this card to the back of the mailpiece, or on the front if space permits.</li> </ul>							
Article Addressed to:							
BLM 1235 La Plata Huy Farmington, NM 87401 Attn: Jin Laudes							

COMPLETE THIS S	ECTION ON DEL	IVERY
A. Signalure  B. Preceived by Pril	Callon Mamey	☐ Agent ☐ Addres
D. Is delivery address If YES, enter deliv		
		Ch., ministrano e NO
3. Service Type  Certified Mail Registered Insured Mail	☐ Express Mai ☐ Return Rece ☐ C.O D.	il eipt for Merchand

4 Restricted Delivery? (Extra Fee)

Energen Resources Corporation, an Eri

2. Article Number (Transfer from service la

7007 1490 0000 5397 4387

PS Form 3811, February 2004

Domestic Return Receipt

☐ Yes



November 3, 2011

New Mexico Oil Conservation Division 1000 Rio Brazos Road

Aztec, New Mexico 87410

Attn: Jonathan Kelly

3149 Burrell 29-9-3 #1 and Federal 29-9-15 #1 Re:

C-141 / Photo Submittal

Dear Mr. Kelly:

Enclosed are the C-141 Forms and closure photos for the subject Below-Grade Tank closures.

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: C-141 Forms

Photos

**HSE File** Cc:

> Facility File Correspondence

<u>District 1</u> 1625 N French Dr , Hobbs, NM 88240 District II 1301 W Grand Avenue, Artesia, NM 88210 District III
1000 Rio Brazos Road, Aztee, NM 87410 District IV 1220 S St Francis Dr , Santa Fe, NM 87505

\* Attach Additional Sheets If Necessary

## State of New Mexico Energy Minerals and Natural Resources

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505

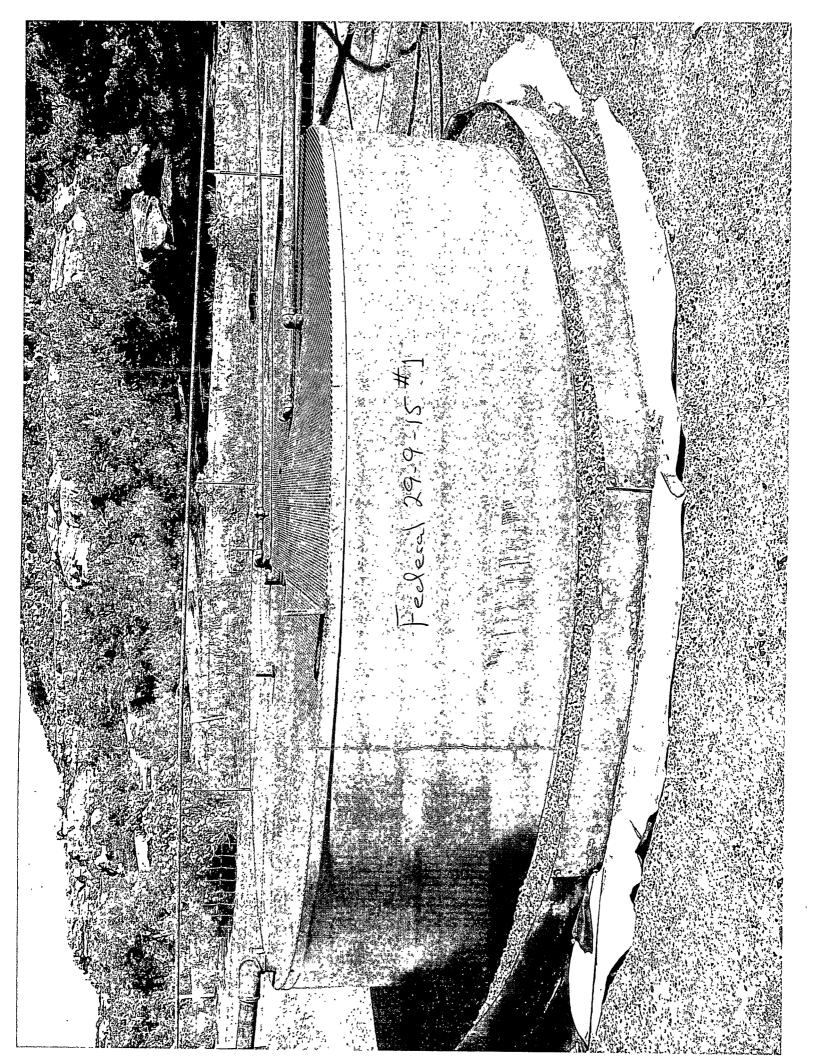
Revised October 10, 2003

Form C-141

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

## **Release Notification and Corrective Action**

						OPERATOR					
Name of Co						······································	d Hasely				
Address: 2010 Afton Place, Farmington, NM 87401						lephone No: 5					
Facility Name: Burrell 29-9-3 #1					Fa	Facility Type: Oıl/Gas Well Site					
Surface Owner: Federal Mineral Owner					er: F	ederal		Lease No.			
LOCATION OF RELEASE											
Unit Letter H	Section 3	Township 29N	Range 9W	Feet from the	Norti	h/South Line	Feet from the	East/West Lin	County San Juan		
Latitude Longitude											
				NATUR	RE O	F RELEAS	E				
Type of Relea	se: NO REL	EASE			1	Volume of Release: Volum			e Recovered:		
Source of Rela	ease:				1	Date and Hour	of Occurrence:	Date and Ho	r of Discovery:		
Was Immedia	te Notice G	iven?	/as	No Not Requir		If YES, To Who	m?	,.L			
		ا ل		Not Requir					23456>		
By Whom? Was a Watero	ource Peac	had?		,,, <u>,,</u> ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		Date and Hour:	Impacting the W	atarcourse		30	
was a water	ourse Reac		Yes 🗌 1	No	'	If YES, Volume Impacting the Watercourse.					
If a Watercou	rse was Imp	oacted, Descr	ibe Fully.	*				83	FALCO E COSTA	- 2	
By Whom?  Was a Watercourse Reached?  Yes No  If YES, Volume Impacting the Watercourse.  PECFIVED  Oil CONS DIV DIST 3  Oil CONS DIV DIST 3  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 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	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 & March						OIL CONSERVATION DIVISION					
						Approved by District Supervisor.					
Title Sr Environmental Engineer						proval Date		Expiration Date			
E-mail Address ed hasely@energen com						nditions of Appr	oval	A	ttached		
Date 11/2/11 Phone 505-324-4131 / 505-330-3584(cell)											



# **BELOW-GRADE TANK CLOSURE REPORT**

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#### **ENERGEN RESOURCES**

#### Burrell 29-9-3 #1

#### **CLOSURE STEPS:**

- (1) Notified the surface owner (BLM) that the below-grade tank will be closed. ---- Letter Attached
- (2) Failed to notify the NM Oil Conservation Division prior to closure. ---- The NMOCD will be notified in advance of future closures
- (2) The tank contained no liquids at the time of the work so not disposal of liquids were required.
- (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 0047 ppm
- Total BTEX concentration 0.0363 ppm
- TPH concentration (418 1) 20 2 ppm
- Chloride concentration 20 ppm
- (5) The soil analyses showed that the soils were **below** the concentrations specified in 19 15.17 NMAC as an indication of a release
- (6) Backfilled the excavation with compacted, non-waste containing, earthen material in a manner that will prevent ponding or crosion.
- (7) 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 and be deferred to BLM requirements per the BLM/OCD MOU.

## **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.