District L 1625 M French Dr, Hobbs, NM 88240 District IL 1301 W Grand Avenue, Artesia, NM 88210 District IIL 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

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 Closure of a pit, closed-loop system, below-grade tank, or proposed alternative method Modification to an existing permit Closure plan only submitted for an existing permitted or non-permitted pit, closed-loop system, below-grade tank, or proposed alternative method
Instructions Please submit one application (Form C-144) per individual pit, closed-loop system, below-grade tank or alternative request Please be advised that approval of this request does not relieve the operator of liability should operations result in pollution of surface water, ground water or the environment. Nor does approval relieve the operator of its responsibility to comply with any other applicable governmental authority's rules, regulations or ordinances.
Operator Energen Resources Corporation OGRID# 162928 Address 2010 Afton Place, Farmington, NM 87401 Facility or well name. Carracas 8 B #16H
API Number. 30-039-31059 OCD Permit Number U/L or Qtr/Qtr L
Permanent Drilling Workover RCVD JAN 5 '12 Degramanent Distribution P&A OIL CONS. DIV. 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
Closed-loop System: Subsection H of 19 15 17 11 NMAC Type of Operation P&A Drilling a new well Workover or Drilling (Applies to activities which require prior approval of a permit or notice of intent) Drying Pad Above Ground Steel Tanks Haul-off Bins Other Lined Unlined Liner type Thickness mil LLDPE HDPE PVC Other Liner Seams Welded Factory Other Other Liner Seams Welded Factory Other Other Constant Co
Below-grade tank Subsection I of 19.15.17 11 NMAC Volume:

Alternative Method:

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

6								
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)	ol, hospital,							
Four foot height, four strands of barbed wire evenly spaced between one and four feet								
Alternate. Please specify								
7								
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								
Administrative approval(s). Requests must be submitted to the appropriate division district or the Santa Fe Environmental Bur consideration of approval	eau office for							
Exception(s). Requests must be submitted to the Santa Fe Environmental Bureau office for consideration of approval								
10								
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 ac material are provided below. Requests regarding changes to certain siting criteria may require administrative approval from the application of the solution of the submitted to the Santa Fe Environmental Bureau office for consideration of 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.	propriate district of approval.							
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								
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							
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
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
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 Climatological Factors and Compatibility Assessment - based upon Quality Control/Quality Assurance Construction and Installation Plan the appropriate requirements of 19.15 17 11 NMAC 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 Frield 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 Below-grade Tank Closed-loop System Alternative Proposed Closure Method Waste Excavation and Removal Waste Removal (Closed-loop systems only) On-site Closure Method (Only for temporary pits and closed-loop systems) In-place Burial On-site Trench Burial Alternative Closure Method (Exceptions must be submitted to the Santa Fe Environmental Bureau for consideration)
Waste Excavation and Removal Closure Plan Checklist: (19 15 17 13 NMAC) Instructions: Each of the following items must be attached to the closure plan. Please indicate, by a check mark in the box, that the documents are attached. Protocols and Procedures - based upon the appropriate requirements of 19 15.17.13 NMAC Confirmation Sampling Plan (if applicable) - based upon the appropriate requirements of Subsection F of 19 15 17 13 NMAC Disposal Facility Name and Permit Number (for liquids, drilling fluids and drill cuttings) Soil Backfill and Cover Design Specifications - based upon the appropriate requirements of Subsection H of 19 15 17 13 NMAC Re-vegetation Plan - based upon the appropriate requirements of Subsection G of 19 15 17.13 NMAC

,	Waste'Removal Closure For Closed-loop Systems That Utilize Above Groundstructions Please indentify the facility or facilities for the disposal of liquidity facilities are required	and Steel Tanks or Haul-off Bins Only (19 15 17 13 Is, drilling fluids and drill cuttings Use attachment if mo	O NMAC) re than two								
	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 will not be used for future service and operations? 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 I 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 NMA Instructions: Each siting criteria requires a demonstration of compliance in provided below. Requests regarding changes to certain siting criteria may re be considered an exception which must be submitted to the Santa Fe Environ and/or demonstrations of equivalency are required. Please refer to 19.15.17.	the closure plan. Recommendations of acceptable sou quire administrative approval from the appropriate dist amental Bureau office for consideration of approval. J	rict office or may								
	Ground water is less than 50 feet below the bottom of the buried waste - NM Office of the State Engineer - 1WATERS 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		☐ 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								
	Within 300 feet of a continuously flowing watercourse, or 200 feet of any other lake (measured from the ordinary high-water mark) - Topographic map, Visual inspection (certification) of the proposed sit		☐ Yes ☐ No								
	Within 300 feet from a permanent residence, school, hospital, institution, or chi - Visual inspection (certification) of the proposed site, Aerial photo, Sa		☐ Yes ☐ No								
	Within 500 horizontal feet of a private, domestic fresh water well or spring that watering purposes, or within 1000 horizontal feet of any other fresh water well NM Office of the State Engineer - iWATERS database, Visual inspec	or spring, in existence at the time of initial application.	☐ Yes ☐ No								
	Within incorporated municipal boundaries or within a defined municipal fresh adopted pursuant to NMSA 1978, Section 3-27-3, as amended. - Written confirmation or verification from the municipality, Written approximately	•	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-M	ining and Mineral Division	☐ Yes ☐ No								
	Within an unstable area - Engineering measures incorporated into the design, NM Bureau of Ge Society, Topographic map	cology & 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 by a check mark in the box, that the documents are attached	of the following items must be attached to the closure pla	n Please indicate,								
	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 19.15.17.11 NMAC Protocols and Procedures - based upon the appropriate requirements of 9 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 H of 19.15.17.13 NMAC Re-vegetation Plan - based upon the appropriate requirements of Subsection G of 19.15.17.13 NMAC										

10								
Operator Application Certification. I hereby certify that the information submitted with this application is true, according to the content of the content	curate 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)	•							
OCD Representative Signature:	Approval Dat	te: 1/09/2012						
Title: Compliance Office	OCD Permit Number:	,						
Closure Report (required within 60 days of closure completion) Subsection Instructions: Operators are required to obtain an approved closure plan price report. The closure report is required to be submitted to the division within 6 complete this section of the form until an approved closure plan has been obtain	or to implementing any clo 00 days of the completion of tained and the closure act	osure activities and submitting the closure of the closure activities. Please do not ivities have been completed.						
	🗷 Closure Comple	tion Date: 12/27/11						
Closure Method Waste Excavation and Removal On-Site Closure Method Alterna If different from approved plan, please explain	tive Closure Method	Waste Removal (Closed-loop systems only)						
Closure Report Regarding Waste Removal Closure For Closed-loop System Instructions: Please indentify the facility or facilities for where the liquids, at than two facilities were utilized. Disposal Facility Name	rilling fluids and drill cut	ttings were disposed. Use attachment if more						
Disposal Facility Name	•							
Disposari acinty rame	Disposar racinty remit							
Were the closed-loop system operations and associated activities performed on Yes (If yes, please demonstrate compliance to the items below)		e used for future service and operations?						
Required for impacted areas which will not be used for future service and oper Site Reclamation (Photo Documentation) Soil Backfilling and Cover Installation Re-vegetation Application Rates and Seeding Technique	ations							
Closure Report Attachment Checklist Instructions Each of the following a 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 Lon		the closure report Please indicate, by a check 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). Anna Stotts	Title Regula	atory Analyst						
Signature MMCCroff	Date	12/29/11						
e-mail address <u>astotts@energen.com</u>	Telephone	505-324-4154						

Submit to Approp Five Copies District I				E	State of New Mexico Energy, Minerals and Natural Resources						Form C-105 July 17, 2008						
1625 N French D District II	r , Hobbs, N	M 882	240							1. WELL API NO.							
1301 W Grand A	venue, Artes	ıa, NM	1 88210		OIL CC) NSERV	ATION	DIVIS	ON	-	30-039-31059						
1000 Rio Brazos Rd , Aztec, NM 87410 District IV					122	20 South S	St. Fran	cis Dr.			2. Type Of Lease						
1220 S St Franci	s Dr , Santa	Fe, NN	A 87505		S:	anta Fe, N	VM 875	505			3. State Oil & Gas Lease No.						
WELL (COMPL	ETIC	ON OR RE	ECO	MPLETION	REPOR	T AND	LOG				222°7,	((1,5)				
4 Reason for fi	ling										5 Lease N				ame		
COMPL	ETION R	EPOI	RT (Fill in bo	oxes #1	l through #31 fo	r State and I	Fee wells	only)		1	Carra	acas	8B				
C-144 CLOSURE ATTACHMENT (Fill in boxes #1 through #9, #15 Date Rig Released and #32 and/or #33, attach this and the plat to the C-144 closure report in accordance with 19 15 17 13 K NMAC) 6 Well Number #16H																	
9 Type of Completion NEW WELL WORKOVER DEEPENING PLUGBACK DIFFERENT RESERVOIR OTHER pit closure																	
8 Name of Ope		_									9 OGRID		ber				
Energen 10 Address of		es (Corporati	on.							162	2928	or Wildes	nt .			
2010 Aft	•	e .	Farmingt	Ωn.	NM 87401									nd Coal			
12 Location	Unit Lett		Section		Township	Range	Lo	t	Feet 1	from the	N/S Line	1		E/W Line	County		
Surface					-												
ВН																	
13 Date Spudd	led 14	Date	e T D Reach	ed	15 Date Rig 10/22/			16	Date Co	mpleted (F	Ready to Pro	duce)	17 RT,	Elevations GR, etc)	(DF & RKB,		
18 Total Meas	ured Depth	of W	'ell	·	19 Plug Bac		Depth	20	Was Dir	ectional S	urvey Made	2	l Type	Electric and	d Other Logs Run		
22 Producing I	nterval(s),	of thi	s completion	- Top,	, Bottom, Name			•				•					
23.					CASING R		(Repo	rt all s	trings			•					
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26. Perforation	n record (ir	iterva	I, size, and nu	ımber)				27. A	CID. SI	HOT. FR	ACTURE,	CEM	ENT. S	OEEZE. E	TC		
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28.						PR	ODUC	TION									
Date First Produ	uction		Producti	ion Me	ethod (Flowing					p)			Well Sta	itus (Prod	or Shut-in)		
Date of Test		Hour	s Tested	'	Choke Size	Prod'n Fo Test Perio		Oıl - Bbl		Gas - M	CF W	√ater -	Bbl	Gas - C	Oil Ratio		
Flow Tubing Press		Casıı	ng Pressure		Calculated 24- Hour Rate	Oıl - Bbl		Gas -	MCF	Wat	er - Bbl		Oil Grav	/ity - API - ₍	(Corr)		
29 Disposition	of Gas (S	old, u	sed for fuel, v	vented	, etc)	<u> </u>		_!			30	Test V	Vitnessed	l By			
31 List Attach	ments						· · · · · · · · · · · · · · · · · · ·				L						
32 If a tempor	32 If a temporary pit was used at the well, attach a plat with the location of the temporary pit																
33 If an on-site	e burial wa	s usec	at the well, i	report	the exact location	on of the on-		1		Long	ıtude			NAD.	1927 1983		
I hereby certi	fy that the	ınfo	rmation sho	wn oi	n both sides of			d comp	lete to t			ledge	and beli		., 1,00		
Signature					Printe		Anna	Stott	s	Т.+	le Regul	ator	y Anal	lyst na	12/29/11		
E-mail addres	s	a	st <u>otts@e</u>	nerg	en.com Name	; 			-	110	10			Dat			