 District I 1625 N. French Dr., Hobbs, NM 88240 District II 811 S. First St., 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	Form C-144 Revised June 6, 2013 For temporary pits, below-grade tanks, and multi-well fluid management pits, submit to the appropriate NMOCD District Office. For permanent pits submit to the Santa Fe Environmental Bureau office and provide a copy to the appropriate NMOCD District Office.
A Proposed Alte	<u>Pit, Below-Grade Tank, or</u> ernative Method Permit or Closure I	Plan Application
Type of action: Below Permi Closu Modif Closu or proposed alternative met	v grade tank registration t of a pit or proposed alternative method re of a pit, below-grade tank, or proposed alternat fication to an existing permit/or registration re plan only submitted for an existing permitted o hod	r non-permitted pit, below-grade tank,
Please be advised that approval of this request does n	one application (Form C-144) per individual pit, below ot relieve theoperator of liability should operations result of its responsibility to comply with any other applicable g	in pollution of surface water, ground water or the
	OGRID #: on, NM 87401	
API Number: 30-045-35144 U/L or Qtr/Qtr M Section 7	OCD Permit Number: Township <u>24N</u> Range <u>9W</u> Co <u>9 N</u> Longitude <u>107.83658 W</u> Tribal Trust or Indian Allotment	ounty: <u>San Juan</u>
String-Reinforced	·	
3. Below-grade tank: Subsection I of 19.15.1 Volume: bbl Type of Tank Construction material: Secondary containment with leak detection Visible sidewalls and liner Visible sidewalls	7.11 NMAC	RCVD JAN 29'14 OIL CONS. DIV. verflow shut-off DIST. 3
Alternative Method:	xceptions must be submitted to the Santa Fe Environme	•
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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 19.15.16.8 NMAC

Variances and Exceptions:

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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:

- * 🛛 Variance(s): Requests must be submitted to the appropriate division district for consideration of approval.
- Exception(s): Requests must be submitted to the Santa Fe Environmental Bureau office for consideration of approval.

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 acceptable source material are provided below. Siting criteria does not apply to drying pads or above-grade tanks.

General siting	
Ground water is less than 25 feet below the bottom of a low chloride temporary pit or below-grade tank.	□ Yes □ No □ NA
Ground water is less than 50 feet below the bottom of a Temporary pit, permanent pit, or Multi-Well Fluid Management pit. NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells	☐ Yes ☐ No ☐ NA
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. (Does not apply to below grade tanks) Written confirmation or verification from the municipality; Written approval obtained from the municipality	🗋 Yes 🗌 No
Within the area overlying a subsurface mine. (Does not apply to below grade tanks) 	Yes No
Within an unstable area. (Does not apply to below grade tanks) - 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. (Does not apply to below grade tanks) - FEMA map	Yes No
Below Grade Tanks	
Within 100 feet of a continuously flowing watercourse, significant watercourse, lake bed, sinkhole, wetland or playa lake (measured from the ordinary high-water mark). - Topographic map; Visual inspection (certification) of the proposed site	🗋 Yes 🗌 No
 Within 200 horizontal feet of a spring or a fresh water well used for public or livestock consumption;. NM Office of the State Engineer - iWATERS database search; Visual inspection (certification) of the proposed site 	🗋 Yes 🗌 No
Temporary Pit using Low Chloride Drilling Fluid (maximum chloride content 15,000 mg/liter)	
Within 100 feet of a continuously flowing watercourse, or any other significant watercourse or within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark). (Applies to low chloride temporary pits.) - Topographic map; Visual inspection (certification) of the proposed site	🗋 Yes 🗌 No
Within 300 feet from a occupied permanent residence, school, hospital, institution, or church in existence at the time of initial	🗋 Yes 🗌 No
application. Visual inspection (certification) of the proposed site; Aerial photo; Satellite image	
Within 200 horizontal feet of a spring or a private, domestic fresh water well used by less than five households for domestic or stock watering purposes, or 300feet of any other fresh water well or spring, in existence at the time of the initial application. NM Office of the State Engineer - iWATERS database search; Visual inspection (certification) of the proposed site	🗋 Yes 🗌 No

Within 100 feet of a wetland. US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the prop	oosed site 🗌 Yes	🗌 No
Temporary Pit Non-low chloride drilling fluid		
Within 300 feet of a continuously flowing watercourse, or any other significant watercourse, or within 200 feet of any lak or playa lake (measured from the ordinary high-water mark).	kebed, sinkhole,	
- 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 appli- 	TYes	🗌 No
Within 500 horizontal feet of a spring or a private, domestic fresh water well used by less than five households for domes watering purposes, or 1000 feet of any other fresh water well or spring, in the existence at the time of the initial application - NM Office of the State Engineer - iWATERS database search; Visual inspection (certification) of the proposed side	on;	🗌 No
 Within 300 feet of a wetland. US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the prop 	oosed site Yes	🗌 No
Permanent Pit or Multi-Well Fluid Management Pit		
Within 300 feet of a continuously flowing watercourse, or 200 feet of any other significant watercourse, or lakebed, sinkly lake (measured from the ordinary high-water mark).		
- Topographic map; Visual inspection (certification) of the proposed site	Yes	🗌 No
Within 1000 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	Dication.	🗌 No
Within 500 horizontal feet of a spring or a fresh water well used for domestic or stock watering purposes, in existence at t initial application.	the time of	
- NM Office of the State Engineer - iWATERS database search; Visual inspection (certification) of the proposed si	ite Yes	🗌 No
Within 500 feet of a wetland. - US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the prop	oosed site Yes] No
 10. Temporary Pits, Emergency Pits, and Below-grade Tanks Permit Application Attachment Checklist: Subsection Instructions: Each of the following items must be attached to the application. Please indicate, by a check mark in the attached. Hydrogeologic Report (Below-grade Tanks) - based upon the requirements of Paragraph (4) of Subsection B of 19. Hydrogeologic Data (Temporary and Emergency Pits) - based upon the requirements of Paragraph (2) of Subsection Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19.15.17.10 NMAC Design Plan - based upon the appropriate requirements of 19.15.17.12 NMAC Closure Plan (Please complete Boxes 14 through 18, if applicable) - based upon the appropriate requirements of Su and 19.15.17.13 NMAC Previously Approved Design (attach copy of design) API Number: or Permit Number 	e box, that the documents at 15.17.9 NMAC n B of 19.15.17.9 NMAC ubsection C of 19.15.17.9 N	мас
11. Multi-Well Fluid Management Pit 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 attached. 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 A List of wells with approved application for permit to drill associated with the pit. Closure Plan (Please complete Boxes 14 through 18, if applicable) - based upon the appropriate requirements of Subsection B of 19.15.17.9 NMAC Hydrogeologic Data - based upon the requirements of Paragraph (4) of Subsection B of 19.15.17.9 NMAC Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19.15.17.10 NMAC Previously Approved Design (attach copy of design) API Number: or Permit Number	ubsection C of 19.15.17.9 N	MAC
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^{12.} <u>Permanent Pits Permit Application Checklist</u> : Subsection B of 19.15.17.9 NMAC <i>Instructions: Each of the following items must be attached to the application. Please indicate, by a check mark in the box, that the attached.</i>	documents are
 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	·
13. <u>Proposed Closure</u> : 19.15.17.13 NMAC <i>Instructions: Please complete the applicable boxes, Boxes 14 through 18, in regards to the proposed closure plan.</i>	
Typé: Drilling Workover Emergency Cavitation P&A Permanent Pit Below-grade Tank Multi-well Fl	luid Management Pit
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)	
Alternative Closure Method	
 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 C 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 H of 19.15.17.13 NMAC Site Reclamation Plan - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC 	
15. 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 acceptable sour provided below. Requests regarding changes to certain siting criteria require justifications and/or demonstrations of equivalency. P 19.15.17.10 NMAC for guidance.	
Ground water is less than 25 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 25-50 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 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 100 feet of a continuously flowing watercourse, or 200 feet of any other significant watercourse, 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. Visual inspection (certification) of the proposed site; Aerial photo; Satellite image 	🗌 Yes 🗌 No
Within 300 horizontal feet of a private, domestic fresh water well or spring used for domestic or stock watering purposes, in existence at the time of initial application · · NM Office of the State Engineer - iWATERS database; Visual inspection (certification) of the proposed site	🗌 Yes 🗍 No
Written confirmation or verification from the municipality; Written approval obtained from the municipality	🗋 Yes 🗌 No
Within 300 feet of a wetland. US Fish and Wildlife Wetland Identification map; Topographic map; 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	
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 adopted pursuant to NMSA 1978, Section 3-27-3, as Written confirmation or verification from the 	s amended. he municipality; Written approval obtained from the municipality	🗌 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 Society; Topographic map 	design; NM Bureau of Geology & Mineral Resources; USGS; NM Geo	·
Within a 100-year floodplain. FEMA map		☐ Yes ☐ No ☐ Yes ☐ No
16. On-Site Closure Plan Checklist: (19 15 17 13 NM	AAC) Instructions: Each of the following items must be attached to the	he closure plan Please indicate
 Proof of Surface Owner Notice - based upon t Construction/Design Plan of Burial Trench (i Construction/Design Plan of Temporary Pit (f Protocols and Procedures - based upon the app Confirmation Sampling Plan (if applicable) - I Waste Material Sampling Plan - based upon th Disposal Facility Name and Permit Number (i Soil Cover Design - based upon the appropria Rc-vegetation Plan - based upon the appropria 	based upon the appropriate requirements of 19.15.17.10 NMAC the appropriate requirements of Subsection E of 19.15.17.13 NMAC if applicable) based upon the appropriate requirements of Subsection K for in-place burial of a drying pad) - based upon the appropriate require	ments of 19.15.17.11 NMAC
17. Operator Application Certification: I hereby certify that the information submitted with	this application is true, accurate and complete to the best of my knowle	edge and belief.
Name (Print): <u>Kurt Fagrelius</u>	Title: <u>VP-Land & Exploration</u>	
Signature: Kurt Farmin	Date: January 27, 2014	
e-mail address: <u>kfagrelius@duganproduction.com</u>	Telephone: <u>505-325-1821</u>	
18. OCD Approval: Permit Application (including OCD Representative Signature: OVAL Title: GMO hance OVAL	g closure rfan) Closure Plan (only) OCD Conditions (see atta Approval Dat OCD Permit Number:	e: 1 2/5/2014
^{19.} Closure Report (required within 60 days of closur Instructions: Operators are required to obtain and The closure report is required to be submitted to the	re completion): 19.15.17.13 NMAC approved closure plan prior to implementing any closure activities an e division within 60 days of the completion of the closure activities. F has been obtained and the closure activities have been completed.	d submitting the closure report. Please do not complete this
	Closure Completion Date:	
section of the form until an approved closure plan	Closure Completion Date:	
section of the form until an approved closure plan		al (Closed-loop systems only)
section of the form until an approved closure plan a 20. Closure Method: Waste Excavation and Removal On-Site C If different from approved plan, please explain. 21. Closure Report Attachment Checklist: Instruction mark in the box, that the documents are attached. Proof of Closure Notice (surface owner and d Proof of Deed Notice (required for on-site clos Plot Plan (for on-site closures and temporary p Confirmation Sampling Analytical Results (if Waste Material Sampling Analytical Results (if Disposal Facility Name and Permit Number Soil Backfilling and Cover Installation Re-vegetation Application Rates and Seeding	Closure Method Alternative Closure Method Waste Remova Cons: Each of the following items must be attached to the closure report livision) posure for private land only) pits) f applicable) (required for on-site closure)	
section of the form until an approved closure plan a 20. Closure Method: Waste Excavation and Removal On-Site C If different from approved plan, please explain. 21. Closure Report Attachment Checklist: Instruction mark in the box, that the documents are attached. Proof of Closure Notice (surface owner and d Proof of Deed Notice (required for on-site clos Plot Plan (for on-site closures and temporary p Confirmation Sampling Analytical Results (if Waste Material Sampling Analytical Results (if Disposal Facility Name and Permit Number Soil Backfilling and Cover Installation	Closure Method Alternative Closure Method Waste Remova Cons: Each of the following items must be attached to the closure report division) bsure for private land only) pits) f applicable) (required for on-site closure) g Technique	

Name (Print):	cable closure requirements and conditions specified in the approved closure plan. Title:	
Signature:		
e-mail address:	Telephone:	· · · · · · · · · · · · · · · · · · ·
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8. Variances and Exceptions Attachment:

A variance to change the requirements of the burial marker is requested.

The variance request will read as follows: A steel marker will be set at the center of the on-site burial following onsite-pit closure (see application for administrative approval). The marker will be (24" X 24") and will have the "operator name" and that it designates an "on-site burial" lettering welded on the top side. The marker will be set at ground level and attached to a 4" diameter pipe that is cemented in a hole three feet deep. When the well is abandoned, a steel riser that is 4" in diameter, extending 4' above the ground will be welded to the pipe anchored in cement below the surface. The riser will have lettering welded on side showing the operator name, well number, location (UL, Sec., Twp. and Rge.) and that it designates an on-site burial location.

At all times during the production phase of the well, there will be a well sign showing the following: operator name, well name, lease number, API number, Qtr/Qtr, Sec., Twp., Rge., Latitude, Longitude, county, state and an emergency phone number on location.