 <u>District 1</u> 1625 N. French Dr., Hobbs, NM 88240 <u>District 11</u> 811 S. First St., Artesia, NM 88210 <u>District 111</u> 1000 Rio Brazos Road, Aztec, NM 87410 <u>District 1V</u> 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.
	Pit, Below-Grade Tank, or	
Proposed Alte	ernative Method Permit or Closure I	Plan Application
Type of action: Below Permi	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	
Instructions: Please submit o	me application (Form C-144) per individual pit, below	-grade tank or alternative request
environment. Nor does approval relieve the operator	ot relieve the operator of liability should operations result is of its responsibility to comply with any other applicable go	in pollution of surface water, ground water or the overnmental authority's rules, regulations or ordinances.
1. Operator: <u>Dugan Production Corp.</u>	OGRID #:	006515
	on, NM 87401	
1	· · · · · · · · · · · · · · · · · · ·	
	OCD Permit Number:	
	Township <u>24N</u> Range <u>9W</u> Co	
	<u>6 N</u> Longitude <u>107.82612 W</u>	
		NAD. []1927 [] 1983
Surface Owner: 🛛 Federal 🗌 State 🗌 Private		· · · · · · · · · · · · · · · · · · ·
Lined Unlined Liner type: Thickness	MAC P&A Multi-Well Fluid Management L mil LLDPE HDPE PVC O Volume:bb	ther
3.		
Below-grade tank: Subsection I of 19.15.1		
Volume:bbl Type of	fluid:	RCVD JAN 29'14
Tank Construction material:		OIL CONS. DIV.
	Visible sidewalls, liner, 6-inch lift and automatic o	
Visible sidewalls and liner 🗌 Visible side	walls only Other	
Liner type: Thicknessm	il 🗌 HDPE 🛄 PVC 🛄 Other	
4. Alternative Method: Submittal of an exception request is required. E	acceptions must be submitted to the Santa Fe Environme	ental Bureau office for consideration of approval.
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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:

7.

8.

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
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)	🗋 Yes 🗌 No
Within the area overlying a subsurface mine. (Does not apply to below grade tanks) - Written confirmation or verification or map from the NM EMNRD-Mining and Mineral Division	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 application.	🗌 Yes 🗌 No
- 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

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Within 100 feet of a wetland. US Fish and Wildlife Wetland Identification	n map; Topographic map; Visual inspection (ce	rtification) of the proposed site	Yes No
Temporary Pit Non-low chloride dril	ling fluid		
Within 300 feet of a continuously flowing watercour or playa lake (measured from the ordinary high-wate - Topographic map; Visual inspection (certifie	er mark).	hin 200 feet of any lakebed, sinkhole,	Yes 🗌 No
Within 300 feet from a permanent residence, school, - Visual inspection (certification) of the property		the time of initial application.	□ Yes □ No
Within 500 horizontal feet of a spring or a private, d watering purposes, or 1000 feet of any other fresh w - NM Office of the State Engineer - iWATER		of the initial application;	Yes No
Within 300 feet of a wetland. - US Fish and Wildlife Wetland Identification	n map; Topographic map; Visual inspection (ce	rtification) of the proposed site	Yes 🗍 No
Permanent Pit or Multi-Well Fluid M	<u> Ianagement Pit</u>		
Within 300 feet of a continuously flowing watercour lake (measured from the ordinary high-water mark). - Topographic map; Visual inspection (certified		ourse, or lakebed, sinkhole, or playa	🗌 Yes 🗌 No
Within 1000 feet from a permanent residence, schoo - Visual inspection (certification) of the propo		t the time of initial application.	🗌 Yes 🗌 No
Within 500 horizontal feet of a spring or a fresh water in the second se	er well used for domestic or stock watering put	poses, in existence at the time of	
initial application. - NM Office of the State Engineer - iWATER	S database search; Visual inspection (certificat	ion) of the proposed site	🗌 Yes 🗌 No
Within 500 feet of a wetland. - US Fish and Wildlife Wetland Identification	map; Topographic map; Visual inspection (ce	rtification) of the proposed site	Yes No
 Hydrogeologic Report (Below-grade Tanks) - Hydrogeologic Data (Temporary and Emergen Siting Criteria Compliance Demonstrations - b Design Plan - based upon the appropriate requi Operating and Maintenance Plan - based upon Closure Plan (Please complete Boxes 14 througe) and 19.15.17.13 NMAC Previously Approved Design (attach copy of destination) 	tey Pits) - based upon the requirements of Para based upon the appropriate requirements of 19.1 irements of 19.15.17.11 NMAC the appropriate requirements of 19.15.17.12 N gh 18, if applicable) - based upon the appropria	graph (2) of Subsection B of 19.15.17.9 15.17.10 NMAC MAC ate requirements of Subsection C of 19.	15.17.9 NMAC
11.			
Multi-Well Fluid Management Pit Checklist: Sul Instructions: Each of the following items must be a attached. Design Plan - based upon the appropriate required operating and Maintenance Plan - based upon A List of wells with approved application for Closure Plan (Please complete Boxes 14 througe and 19.15.17.13 NMAC Hydrogeologic Data - based upon the requirem Siting Criteria Compliance Demonstrations - based	attached to the application. Please indicate, by nirements of 19.15.17.11 NMAC in the appropriate requirements of 19.15.17.12 N permit to drill associated with the pit. agh 18, if applicable) - based upon the appropri- nents of Paragraph (4) of Subsection B of 19.1.	MAC ate requirements of Subsection C of 19 5.17.9 NMAC	
Previously Approved Design (attach copy of des	sign) API Number:	or Permit Number:	
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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 	
2 Quality Control/Quality Assurance Construction and Installation Plan	
 Operating and Maintenance Plan - based upon the appropriate requirements of 19.15.17.12 NMAC Freeboard and Overtopping Prevention Plan - based upon the appropriate requirements of 19.15.17.11 NMAC 	
Nuisance or Hazardous Odors, including H ₂ S, Prevention Plan	
 Emergency Response Plan Oil Field Waste Stream Characterization 	
Monitoring and Inspection Plan	
 Erosion Control Plan Closure Plan - based upon the appropriate requirements of Subsection C of 19.15.17.9 NMAC and 19.15.17.13 NMAC 	
13.	
<u>Proposed Closure</u> : 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 🗌 Multi-well Fl	luid Management Pit
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	
Waste Excavation and Removal Closure Plan Checklist: (19.15.17.13 NMAC) Instructions: Each of the following items must be a 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 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	
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	🗌 Yes 🗌 No
at the time of initial application.	
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 a - Written confirmation or verification from the	amended. municipality; Written approval obtained from the mu	nicipality Yes No
Within the area overlying a subsurface mine. - Written confirmation or verification or map fi	rom the NM EMNRD-Mining and Mineral Division	🗌 Yes 🗍 No
	esign; NM Bureau of Geology & Mineral Resources;	USGS; NM Geological
Society, Topographic map Within a 100-year floodplain		Yes No
FEMA map		🗌 Yes 🗌 No
 Proof of Surface Owner Notice - based upon th Construction/Design Plan of Burial Trench (if Construction/Design Plan of Temporary Pit (fc Protocols and Procedures - based upon the app Confirmation Sampling Plan (if applicable) - b Waste Material Sampling Plan - based upon th Disposal Facility Name and Permit Number (fc Soil Cover Design - based upon the appropriate Re-vegetation Plan - based upon the appropriate Site Reclamation Plan - based upon the appropriate 	attached. ased upon the appropriate requirements of 19.15.17.19 be appropriate requirements of Subsection E of 19.15. applicable) based upon the appropriate requirements or in-place burial of a drying pad) - based upon the app	D NMAC 17.13 NMAC of Subsection K of 19.15.17.11 NMAC propriate requirements of 19.15.17.11 NMAC 3 NMAC n-site closure standards cannot be achieved) C
Operator Application Certification: I hereby certify that the information submitted with t	his application is true, accurate and complete to the be	est of my knowledge and belief.
Name (Print): Kurt Fagrelius	Title:	& Exploration
Signature: Kurt Fordin	Date: Januar	<u>y 27, 2014</u>
e-inail address: <u>kfagrelius@duganproduction.com</u>	Telephone: <u>50</u>	5-325-1821
18. OCD Approval: Permit Application (including, OCD Representative Signature: OTA Title: OTA	Cosure plan (only) Closure Plan (only) OCD Con	Approval Date: <u>Approval 9</u>
section of the form until an approved closure plan h	pproved closure plan prior to implementing any clos division within 60 days of the completion of the clos	ure activities. Please do not complete this a completed.
 20. Closure Method: Waste Excavation and Removal On-Site Cl If different from approved plan, please explain. 	osure Method 🔲 Alternative Closure Method 🗌	Waste Removal (Closed-loop systems only)
21. Closure Report Attachment Checklist: Instruction mark in the box, that the documents are attached. Proof of Closure Notice (surface owner and diterright of the proof of Deed Notice (required for on-site closures and temporary provide the proof of Deed Notice (required for on-site closures and temporary provide the proof of Deed Notice (required for on-site closures and temporary provide the proof of Deed Notice (required for on-site closures and temporary provide the proof of Deed Notice (required for on-site closures and temporary provide the proof of Deed Notice (required for on-site closures and temporary provide the proof of Deed Notice (required for on-site closures and temporary provide the proof of Deed Notice (required for on-site closures and temporary provide the proof of Deed Notice (required for on-site closures and temporary provide the proof of Deed Notice (required for on-site closures and temporary provide the proof of Deed Notice (required for on-site closures and temporary provide the proof of Deed Notice (required for on-site closures and temporary provide the proof of Deed Notice (required for on-site closures and temporary provide the proof of Deed Notice (required for on-site closures and temporary provide the proof of Deed Notice (required for on-site closures and temporary provide the proof of Deed Notice (required for on-site closures and temporary provide the proof of Deed Notice (required for on-site closures and temporary provide the proof of Deed Notice (required for on-site closures and temporary provide the provide	vision) sure for private land only) its) applicable) required for on-site closure)	
On-site Closure Location: Latitude	T 14 T	NAD: 🔲 1927 🛄 1983
	Longitude	NAD: []1927 [] 1983

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Lhereby certify that the information and attachments submitted w belief. I also certify that the closure complies with all applicable $\frac{1}{2}$ Name (Print):	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.