District I'

1625 N. French Dr., Hobbs, NM 88240

1626 N. French Dr., Hobbs, NM 88240

1627 N. French Dr., Hobbs, NM 88240

1627 N. French Dr., Hobbs, NM 88240

1628 N. French Dr., Hobbs, NM 88240

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

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

environment. Nor does approval relieve the operator of its responsibility to com	ply with any other applicable governmental authority's rules, regulations or ordinances.			
Operator: COG OPERATING LLC	OGRID #:229137 /			
Address: 550 WEST TEXAS, SUITE 1300 MIDLAND, TX 79701				
Facility or well name: ORION FEDERAL #312				
API Number: 30-005-28001 / OCD Permit Number: P1-00[37				
U/L or Qtr/Qtr ULP Section 13 Township 15S Range 31E County: CHAVES				
Center of Proposed Design: Latitude N/A Longitude N/A NAD: 1927 1983				
Surface Owner: Federal State Trivate Tribal Trust or Indian Allotment				
Pit: Subsection F or G of 19.15.17.11 NMAC	☐ Closed-loop System: Subsection H of 19.15.17.11 NMAC			
Temporary: Drilling Workover	☐ Drying Pad ☐ Tanks ☒ Haul-off Bins ☐ Other			
☐ Permanent ☐ Emergency ☐ Cavitation	Lined Unlined			
☐ Lined ☐ Unlined	Liner type: Thicknessmil			
Lincr type: Thicknessmil	☐ Other			
Other String-Reinforced	Seams: Welded Factory Other			
Seams: Welded Factory Other	Volume:bblyd ³			
Volume: bbl Dimensions: L x W x D	Dimensions: Lengthx Width			
Below-grade tank: Subsection I of 19.15.17.11 NMAC	Fencing: Subsection D of 19.15.17.11 NMAC			
Volume:bbl	☐ Chain link, six feet in height, two strands of barbed wire at top			
Type of fluid:	Four foot height, four strands of barbed wire evenly spaced between one and			
Tank Construction material:	four feet			
Secondary containment with leak detection	Netting: Subsection E of 19.15.17.11 NMAC			
☐ Visible sidewalls, liner, 6-inch lift and automatic overflow shut-off	☐ Screen ☐ Netting ☐ Other			
☐ Visible sidewalls and liner	☐ Monthly inspections			
☐ Visible sidewalls only	Signs: Subsection C of 19.15.17.11 NMAC			
☐ Other	12'x24', 2' lettering, providing Operator's name, site location, and			
Liner type: Thicknessmil	emergency telephone numbers			
Other	Signed in compliance with 19.15.3.103 NMAC			
Alternative Method: Submittal of an exception request is required. Exceptions must be submitted to the Santa Fe Environmental Bureau office for consideration	Administrative Approvals and Exceptions: Justifications and/or demonstrations of equivalency are required. Please refer to 19.15.17 NMAC for guidance.			
of approval.	Please check a box if one or more of the following is requested, if not leave			
	blank: Administrative approval(s): Requests must be submitted to the appropriate division district or the Santa Fe Environmental Bureau office for consideration of approval. Exception(s): Requests must be submitted to the Santa Fe Environmental Bureau office for consideration of approval.			

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. Requests regarding changes to certain siting criteria may require administrative approval from the appropriate district office or may be considered an exception which must be submitted to the Santa Fe Environmental Bureau office for consideration of approval. Applicant must attach justification for request. Please refer to 19.15.17.10 NMAC for guidance. Siting criteria does not apply to drying pads or above-grade tanks associated with a closed-loop system.			
Ground water is less than 50 feet below the bottom of the temporary pit, permanent pit, or below-grade tank. - NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells	☐ Yes ☐ No		
Within 300 feet of a continuously flowing watercourse, or 200 feet of any other 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. (Applies to temporary, emergency, or cavitation pits and below-grade tanks) - Visual inspection (certification) of the proposed site; Aerial photo; Satellite image	Yes No		
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.	☐ Yes ☐ No		
 Written confirmation or verification from the municipality; Written approval obtained from the municipality 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 19.15.17.12 NMAC Operating and Maintenance Plan - based upon the appropriate requirements of 19.15.17.19 NMAC and 19.15.17.13 NMAC Previously Approved Design (attach copy of design) API Number: or Permit Number:			
Closed-loop Systems Permit Application Attachment Checklist: Subsection B of 19.15.17.9 NMAC	o aum auto ana		
Instructions: Each of the following items must be attached to the application. Please indicate, by a check mark in the box, that the dattached. Geologic and Hydrogeologic Data (required for on-site closure) - based upon the requirements of Paragraph (3) of Subsection B of Siting Criteria Compliance Demonstrations (required for on-site closure) - based upon the appropriate requirements of 19.15.17.10 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 - based upon the appropriate requirements of Subsection C of 19.15.17.9 NMAC and 19.15.17.13 NMAC	£ 19.15.17.9		
Previously Approved Design (attach copy of design) 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, attached.	, that the 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 H ₂ S, Prevention Plan Emergency Response Plan	
☐ Oil Field Waste Stream Characterization ☐ Monitoring and Inspection Plan ☐ Erosion Control Plan ☐ Characterization 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 Type: □ Drilling □ Workover □ Emergency □ Cavitation □ Permanent Pit □ Below-grade Tank ☒ Closed-loop	System Alternative
Proposed Closure Method: Waste Excavation and Removal 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 Bu	reau for consideration)
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 accept source material are provided below. Requests regarding changes to certain siting criteria may require administrative approthe appropriate district office or may be considered an exception which must be submitted to the Santa Fe Environmental B office for consideration of approval. Justifications and/or demonstrations of equivalency are required. Please refer to 19.1 NMAC for guidance.	oval from Bureau
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
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 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	n. Yes 🗌 No
Within 500 horizontal feet of a private, domestic fresh water well or spring that less than five households use for domestic or st watering purposes, or within 1000 horizontal feet of any other fresh water well or spring, in existence at the time of initial appli - NM Office of the State Engineer - iWATERS database; Visual inspection (certification) of the proposed site	cock
Within incorporated municipal boundaries or within a defined municipal fresh water well field covered under a municipal ordinadopted pursuant to NMSA 1978, Section 3-27-3, as amended. - Written confirmation or verification from the municipality; Written approval obtained from the municipality	nance Yes No
Within 500 feet of a wetland US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the proposed s	☐ 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 Geologi Society; Topographic map 	cal Yes No
Within a 100-year floodplain FEMA map	☐ Yes ☐ No

closure plan Protoc Confii Dispo Soil B Re-ve	vation and Removal Closure Plan Checklist. Please indicate, by a check mark in the box cols and Procedures - based upon the appropriation Sampling Plan (if applicable) - based sal Facility Name and Permit Number (for liquackfill and Cover Design Specifications - based getation Plan - based upon the appropriate requeclamation Plan - based upon the appropriate	c, that the documents are attached. ate requirements of 19.15.17.13 NMAC upon the appropriate requirements of Subsectuids, drilling fluids and drill cuttings) and upon the appropriate requirements of Subsurements of Subscuirements of Subscuireme	tion F of 19.15.17.13 NMAC ection H of 19.15.17.13 NMAC IAC
		-	NMAC) Instructions: Please indentify the facility
	for the disposal of liquids, drilling fluids and		NIMAC) Instructions: Flease indentify the facility
Disposal F	acility Name: CRI OR G M INC. Dispos	sal Facility Permit Number: CRI (R9166)	G M INC (711-019-001)
			ist be attached to the closure plan. Please indicate,
Siting Proof Constr Protoc Confir Waste Dispor	criteria Compliance Demonstrations - based of Surface Owner Notice - based upon the appruction and Design of Burial Trench (if applicable and Procedures - based upon the appropriation Sampling Plan (if applicable) - based of Material Sampling Plan - based upon the appropriation Sampling Plan - based upon the appropriation Sampling Plan - based upon the appropriate requirements of the properties of the pro	upon the appropriate requirements of 19.15.17 propriate requirements of Subsection F of 19.15 able) based upon the appropriate requirement ate requirements of 19.15.17.13 NMAC upon the appropriate requirements of Subsect requirements of Subsect requirements of Subsect ropriate requirements of Subsection F of 19.1 aids, drilling fluids and drill cuttings or in cast tirements of Subsection H of 19.15.17.13 NM uirements of Subsection I of 19.15.17.13 NM uirements of Subsection I of 19.15.17.13 NM	15.17.13 NMAC ts of 19.15.17.11 NMAC ion F of 19.15.17.13 NMAC 5.17.13 NMAC e on-site closure standards cannot be achieved) IAC AC
Operator A	pplication Certification:		
I hereby cert	tify that the information submitted with this ap	plication is true, accurate and complete to the	e best of my knowledge and belief.
Name (Print)	: PHYLLIS A. EDWARDS		ATORY ANALYST
Signature:	Muyelisa 4	Edwards Date:	7-1-08
e-mail addres	ss:pedwards@conchoresourc	es.com Telephone:	432-685-4340
OCD Appro	val: Permit Application (including closur	e plan) Closure Plan (only)	/
	val: Permit Application (including closur sentative Signature:	e plan) Closure Plan (only)	Approval Date: 7/15/8
		OCD Permit Number	D. 57177
OCD Repres	sentative Signature: Selection	OCD Permit Number	PL-DD137
OCD Repres Title: Closure Rep Closure Met Waste Ex	sentative Signature: Selection	OCD Permit Number Deletion): Subsection K of 19.15.17.13 NMA	PL-DD137
Closure Rep Closure Met Waste Ex If different Closure Rep Mark in the B Proof C Plot Pl Confirm Waste Dispos Soil Ba Re-veg Site Re	ort (required within 60 days of closure com hod: coavation and Removal On-Site Closure nt from approved plan, please explain. ort Attachment Checklist: Instructions: Ea box, that the documents are attached. of Closure Notice of Deed Notice (if applicable) an mation Sampling Analytical Results Material Sampling Analytical Results al Facility Name and Permit Number ackfilling and Cover Installation getation Application Rates and Seeding Technic celamation (Photo Documentation)	OCD Permit Number Deletion): Subsection K of 19.15.17.13 NMA Closure Complement Complement Closure Method Alternative Closure Method arch of the following items must be attached to the following items must	er: PL-DD137 CC etion Date: o the closure report. Please indicate, by a check
Closure Met Waste Ex If different Proof of Proof of Plot Pl Confirm Waste Dispos Soil Ba Re-veg Site Re On-site	bott (required within 60 days of closure come to treat and Removal of Closure approved plan, please explain. bott Attachment Checklist: Instructions: Early that the documents are attached. For Closure Notice of Deed Notice (if applicable) an mation Sampling Analytical Results Material Sampling Analytical Results al Facility Name and Permit Number ackfilling and Cover Installation getation Application Rates and Seeding Technical Coloure Location: Latitude	OCD Permit Number Deletion): Subsection K of 19.15.17.13 NMA Closure Complement Complement Closure Method Alternative Closure Method arch of the following items must be attached to	er: PL-DD137 CC etion Date: o the closure report. Please indicate, by a check
Closure Rep Closure Met Waste Ex If different Proof of Proof of Proof of Posite Rep Waste Soil Ba Re-veg Site Re On-site Operator Cle I hereby certification	ort (required within 60 days of closure com hod: coavation and Removal On-Site Closure nt from approved plan, please explain. ort Attachment Checklist: Instructions: Ea box, that the documents are attached. of Closure Notice of Deed Notice (if applicable) an mation Sampling Analytical Results Material Sampling Analytical Results al Facility Name and Permit Number ackfilling and Cover Installation getation Application Rates and Seeding Technic celamation (Photo Documentation)	OCD Permit Number pletion): Subsection K of 19.15.17.13 NMA Closure Completion Method Alternative Closure Method ach of the following items must be attached to th	NAD: 1927 1983
Closure Rep Closure Met Waste Ex If different Proof of Proof of Plot Pl Confirm Waste Dispos Soil Ba Re-veg Site Re On-site Operator Cle I hereby certification	ort (required within 60 days of closure comments are attached. of Closure Notice (if applicable) an mation Sampling Analytical Results Material Sampling Analytical Results al Facility Name and Permit Number ackfilling and Cover Installation getation Application Rates and Seeding Technical Coloure Location: Latitude Location: fy that the information and attachments submit	OCD Permit Number pletion): Subsection K of 19.15.17.13 NMA Closure Completion Method Alternative Closure Method ach of the following items must be attached to th	NAD: 1927 1983
Closure Rep Closure Met Waste Ex If different Proof of Proof of Plot Pl Confirm Waste Dispos Soil Ba Re-veg Site Re On-site Operator Cle I hereby certification	ort (required within 60 days of closure comments are attached. of Closure Notice (if applicable) an mation Sampling Analytical Results Material Sampling Analytical Results al Facility Name and Permit Number ackfilling and Cover Installation getation Application Rates and Seeding Technical Course Location: Latitude osure Certification: fy that the information and attachments submit certify that the closure complies with all application with all application that the closure complies with all applications.	OCD Permit Number pletion): Subsection K of 19.15.17.13 NMA Closure Completion Method Alternative Closure Method ach of the following items must be attached to th	NAD: 1927 1983 Nac etion Date: NAD: 1927 1983

Closed Loop Operation & Maintenance Procedure

All drilling fluid circulated over shaker(s) with cuttings discharged into roll off container.

Fluid and fines below shaker(s) are circulated with transfer pump through centrifuge(s) or solids separator with cuttings and fines discharged into roll off container.

Fluid is continuously re-circulated through equipment with polymer added to aid separation of cutting fines.

Roll off containers are lined and de-watered with fluids re-circulated into system.

Additional tank is used to capture unused drilling fluid or cement returns from casing jobs.

This equipment will be maintained 24 hrs./day by solids control personnel and or rig crews that stay on location.

Cuttings will be hauled to either:

CRI (permit number R9166) or GMI (permit number 711-019-001)

dependent upon which rig is available to drill this well.

