RECEIVE	2) 2)					
District 1 1625 N. French Dr., Hobbs, NM 88240 MAY 2 1 20 Hhe	State of New Mexico	Form C-144 CLEZ July 21, 2008				
District II 1301 W. Grand Avenue, Artesia, NM \$10BBSOCD District III 1000 Rio Brazos Road, Aztee, NM 87410 District IV	Oil Conservation Division 1220 South St. Francis Dr.	For closed-loop systems that only use above ground steel tanks or haul-off bins and propose to implement waste removal for closure, submit to the appropriate NMOCD District Office.				
1220 S. St. Francis Dr., Santa Fe, NM 87505	Santa Fe, NM 87505					
Closed-Loop Sy	stem Permit or Closure Plan	Application				
(that only use above ground steel tanks or haul-off bins and propose to implement waste removal for closure)						
•	Type of action: X Permit Closure Instructions: Please submit one application (Form C-144 CLEZ) per individual closed-loop system request. For any application request other than for a					
closed-loop system that only use above ground steel tanks o	r haul-off bins and propose to implement waste	removal for closure, please submit a Form C-144.				
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.						
1. Operator: <u>Chesapeake Operating, Inc.</u>	OGRID #:	147179				
Address: P.O. Box 18496 Oklahoma City, OK 73154	I-0496					
Facility or well name: Perseus 10 Federal Com # 3H						
API Number: 30-005- 29537	OCD Permit Number:	P1-02037				
	Township 15 South Range 31 East					
Center of Proposed Design: Latitude 33.032107	Longitude103.80100	NAD: 🛛 1927 🗌 1983				
Surface Owner: 🛛 Federal 🗌 State 🗌 Private 🔲 Tribal	Trust or Indian Allotment					
2.						
Image: Subsection H of 19.15.17.11 N Operation: Image: Subsection H of 19.15.17.11 N		proval of a permit or notice of intent) $\Box P \& A$				
△ Above Ground Steel Tanks.or 🛛 Haul-off Bins	ng (Appnes to activities which require prior ap					
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						
4. <u>Closed-loop Systems Permit Application Attachment C</u> Instructions: Each of the following items must be attach	<u>Checklist</u> : Subsection B of 19.15.17.9 NMAC ted to the application. Please indicate, by a c	heck mark in the box, that the documents are				
attached. Design Plan - based upon the appropriate requirement	ents of 19.15.17.11 NMAC	-				
 Operating and Maintenance Plan - based upon the a Closure Plan (Please complete Box 5) - based upon 	appropriate requirements of 19.15.17.12 NMA the appropriate requirements of Subsection C	C 01 19.15.17.9 NMAC and 19.15.17.13 NMAC				
Previously Approved Design (attach copy of design)	API Number:					
Previously Appröved Operating and Maintenance Pla						
5. <u>Waste Removal Closure For Closed-loop Systems That Utilize Above Ground Steel Tanks or Haul-off Bins Only</u> : (19.15.17.13.D NMAC) Instructions: Please indentify the facility or facilities for the disposal of liquids, drilling fluids and drill cuttings. Use attachment if more than two facilities are required.						
Disposal Facility Name: Controlled Recovery, Inc.	Disposal Facility Pc	mit Number: NM-01-0006				
Disposal Facility Name: Sundance Disposal		mit Number: <u>NM-01-0003</u>				
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?						
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 1 of 19.15.17.13 NMAC Site Reclamation Plan - based upon the appropriate requirements of Subsection G of 19.15.17.13 NMAC						
6.						
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): Bryan Arrant		Regulatory Compl. Sp.				
Signature: Man	Date:					
e-mail address: bryan,arrant@chk.com	Telephone: (4	05)935-3782				
Form C+194 CLEZ	Oil Conservation Division	Page Lol 2				

7. <u>OČD Approva</u> l: Decimit Application (including closure p		
OCD Representàtive Signature: Geologis	Approval Date: 05/24/2010 ST OCD Permit Number: P1-02037	
8. Closure Report (required within 60 days of closure comple Instructions: Operators are required to obtain an approved	<u>etion)</u> : Subsection K of 19.15.17.13 NMAC closure plan prior to implementing any closure activities and submitting the closure report. within 60 days of the completion of the closure activities. Please do not complete this	
^{9.} <u>Closure Report Regarding Waste Removal Closure For Cl</u> Instructions: Please indentify the facility or facilities for wh two facilities were utilized.	losed-loop Systems That Utilize Above Ground Steel Tanks or Haul-off Bins Only: here the liquids, drilling fluids and drill cuttings were disposed. Use attachment if more that	
Disposal Facility Name:	Disposal Facility Permit Number:	
Disposal Eacility Name:	Disposal Facility Permit Number:	
Were the closed-loop system operations and associated activit Yes (If yes, please demonstrate compliance to the items	ties performed on or in areas that <i>will not</i> be used for future service and operations? s below) in No	
Required for impacted areas which will not be used for future Site Reclamation (Photo Documentation) Soil Backfilling and Cover Installation Re-vegetation Application Rates and Seeding Techniqu	·	
 <u>Operator Closure Certification</u>: I hereby certify that the information and attachments submitte belief. I also certify that the closure complies with all application 	d with this closure report is true, accurate and complete to the best of my knowledge and ble closure requirements and conditions specified in the approved closure plan.	
Name (Print):	Title:	
Signature:	Date:,	
e-mail address:	Télephone:	

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Chesapeake Operating, Inc.'s Closed Loop System Perseus 10 Federal Com. # 3H Unit H, Sec. 10, T-15-S R-31-E Chaves Co., NM API # TBD

Equipment & Design:

Chesapeake Operating, Inc. is to use a closed loop system with roll-off steel pits. (2) Derrick FLC-503 linear motion shale shakers

(1) NOV 2-cone/10" desander

(1) NOV 16-cone /4" desilter

(1) 400 bbl "frac tank" for fresh water

(1) 500 bbl "frac tank" brine water

For additional information, please see attached page.

Operations & Maintenance:

During each and every tour, the rig's drilling crew will inspect and monitor closely the drilling fluids contained within the steel pits and visually monitor any spill which may occur.

Within 48 hours should a spill, release or leak occur, the NMOCD District I office in Hobbs (575-393-6161) will be notified. Please note that notifications may be made earlier to the district office should a greater release occur.

Closure:

During and after drilling operations, liquids (which apply), all drill cuttings and drilling fluids will be hauled and disposed to the Controlled Recovery, Inc.'s location.

The permit number for Controlled Recovery, Inc. is: NM-01-0006 The alternative disposal facility will be Sundance Disposal. Their permit # is: NM-01-0003.



RIC 120 SPECIFICATIONS

HOISTING & ROTATING EQUIPMENT

	1		
Drawworks	Oilwell 760 rated @ 1000 hp driven by (2) Caterpillar D379 rated @		
•	@ 550 hp / 1200 rpm		
Auxiliary Brake	Parmac 342 hydromatic		
Rotary Table	National C-275 (27-1/2") chain-driven by drawworks		
Traveling Block	Continental Emsco RA-44 (350 ton)		
Hook	Web Wilson Hydra Hook (350 ton), unitized with traveling block		
Świvel	Oilwell PC-300 (300 ton)		
Pipe-Ĥandling	Varco ST-80 "Iron Roughneck" powered by Aberdeen Dynamics		
,	18114-2 hydraulic power unit rated @ 60 hp		

MAST & SUBSTRUCTUR		MUD SYSTEM	
Mast Design Height Capacity Substructure Design Floor Height Clear Height Capacities	Veristic Technologies Cantilever 142' 573k Static Hook Load (10 lines) Veristic Technologies Box-on-Box 23' 19' 573k Casing / 370k Setback	Mud Pumps Charging Pumps Process Pit Suction Pit Trip Tank	 (2) Oilwell A-1100-PT triplex rated @ 1100 hp, each driven by (1) Caterpillar 3508B rated @ 900 hp (2) 6x5x14 @ 60 hp / 1200 rpm (424 bbl) three-compartment w/ (2) 10 hp mud agitators (473 bbl) three-compartment w/ (4) 10 hp mud agitators (128 bbl) one-compartment
TRANSPORT Estimated Loads	30 (less tubulars)	Trip Tank Pump Shale Shakers Degasser	 (12) bbi; one-comparatent w/ (1) 10 hp mud agitator 4x3x13 @ 30 hp / 1200 rpm (2) Derrick FLC-503 linear-motion Double Life DAD-DP atmospheric
POWER PACKAGE Drawworks Mud Pumps Light Plant Generators	(2) Cat D379 rated @ 550 hp (2) Cat 3508B rated @ 900 hp (2) Cat C-18 rated @ 630 hp (2) Marathon rated @ 425 kW / 607 kVA / 0.7 pf	Degasser Desander Desander Pump Desilter Desilter Pump Mud Mixing Pumps	NOV 2-cone / 10" 6x5x14 @ 75 hp / 1200 rpm NOV 16-cone / 4" 6x5x14 @ 75 hp / 1200 rpm (2) 6x5x14 @ 75 hp / 1200 rpm
BOP EQUIPMENT Annular Single Ram Double Rám Accumulator Choke Manifold	Shaffer 13-5/8" 5M Spherical None Shaffer 13-5/8" 5M SL Koomey 6-station / 200 gallon Cameron 4-1/16" 5M	TUBULARS Drill Pipe	5" 19.50# G-105
STORAGE CAPACITIES Drilling Water Diesel	400 bb! 11,250 gallons	Drill Collars	5" 19.50# S-135 5" HWDP As needed for normal drilling operations

