<u>District I</u> 1625 N. French Dr., Hobbs, NM 88240 District II 1301 W. Grand Avenue, 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

July 21, 2008

Form C-144 CLEZ

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.

Closed-Loop System 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: 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 or 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 wi	th any other applicable governmental authori	ty's rules, regulations or ordinances.							
Operator: Yates Petroleum Corporation	OGRID #: 025575								
Address: 105 South Fourth Street, Artesia, New Mexico 88210									
Facility or well name: Harkey 35 State #2H									
API Number: 30-015-38260 OCD Permit Number: 210914									
U/L or Qtr/Qtr <u>A</u> Section <u>35</u> Township <u>24S</u> Ran	ge 27E County: Eddy								
Center of Proposed Design: Latitude <u>N 32.178761</u> Longitude <u>W 104.153814</u> NAD: ☐1927 ☐ 1983									
Surface Owner: Federal State Private Tribal Trust or Indian Allotn	nent								
	a which receive raion arranged of a security	an matica of intent) DOA							
☐ Above Ground Steel Tanks or ☐ Haul-off Bins	s which require prior approval of a permit	or notice of intent) L P&A							
3.									
Signs: Subsection C of 19.15.17.11 NMAC		RECEIVED							
12"x 24", 2" lettering, providing Operator's name, site location, and emerger	cy telephone numbers	NOV 12 2010							
Signed in compliance with 19.15.3.103 NMAC		NOV 1 2 2010							
4. Closed-loop Systems Permit Application Attachment Checklist: Subsection	B of 19.15.17.9 NMAC	NMOCD ARTESIA							
Instructions: Each of the following items must be attached to the application.		ox, that the documents are							
attached. ☐ Design Plan - based upon the appropriate requirements of 19.15.17.11 NM	A A C								
Design Fran - based upon the appropriate requirements of 19.13.17.11 No. Operating and Maintenance Plan - based upon the appropriate requiremen									
Closure Plan (Please complete Box 5) - based upon the appropriate require	ements of Subsection C of 19.15.17.9 NM	AC and 19.15.17.13 NMAC							
Previously Approved Operating and Maintenance Plan API Number:									
5. Waste Removal Closure For Closed-loop Systems That Utilize Above Grounds.	nd Steel Tanks or Haul-off Bins Only: (1	19.15.17.13.D NMAC)							
Instructions: Please indentify the facility or facilities for the disposal of liquid	s, drilling fluids and drill cuttings. Use at	tachment if more than two							
facilities are required. Disposal Facility Name: Gandy Marley	Disposal Facility Permit Number: NA	<i>1</i> _01_0019							
Disposal Facility Name: Gandy Marley Disposal Facility Permit Number: NM-01-0019 Disposal Facility Name: CRI Disposal Facility Permit Number: R-9166									
Disposal Facility Name: Lea Land Farm Disposal Facility Permit Number: WM-1-035									
Disposal Facility Name: Sundance Services Inc. Disposal Facility Permit Number: NM-01-0003									
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									

6 Operator Application Certification:	
I hereby certify that the information submitted with this application is true, accurate an	nd complete to the best of my knowledge and belief
Name (Print): Monti Sanders	Title: Land Regulatory Technician
Signature: Manders	
e-mail address:montis@yatespetroleum.com	Telephone: <u>575-748-4244</u>
OCD Approval: Permit Application (including closure plan) Closure Plan (closure Plan) OCD Representative Signature: Title:	nly) Approval Date: ////5/20/0 D Permit Number: 2/09/4
8. Closure Report (required within 60 days of closure completion): Subsection K of Instructions: Operators are required to obtain an approved closure plan prior to import the closure report is required to be submitted to the division within 60 days of the consection of the form until an approved closure plan has been obtained and the closure	olementing any closure activities and submitting the closure report. mpletion of the closure activities. Please do not complete this
9. <u>Closure Report Regarding Waste Removal Closure For Closed-loop Systems Tha</u> <i>Instructions: Please indentify the facility or facilities for where the liquids, drilling two facilities were utilized.</i>	t Utilize Above Ground Steel Tanks or Haul-off Bins Only: Auids and drill cuttings were disposed. Use attachment if more than
Disposal Facility Name: Dis	sposal Facility Permit Number:
Disposal Facility Name: Di	sposal Facility Permit Number:
Were the closed-loop system operations and associated activities performed on or in an Yes (If yes, please demonstrate compliance to the items below) No	eas that will not be used for future service and operations?
Required for impacted areas which will not be used for future service and operations: Site Reclamation (Photo Documentation) Soil Backfilling and Cover Installation Re-vegetation Application Rates and Seeding Technique	
Operator Closure Certification: I hereby certify that the information and attachments submitted with this closure report belief. I also certify that the closure complies with all applicable closure requirements	
Name (Print):	Title:
Signature:	Date:
e-mail address:	Telephone:

Yates Petroleum Corporation Closed Loop System

Equipment Design Plan

Closed Loop System will consist of:

- 1 double panel shale shaker
- 1 (minimum) Centrifuge, certain wells and flow rates may require 2 centrifuges On certain wells, the Centrifuge will be replaced by a Clackco Settling Tank System
- 1 minimum centrifugal pump to transfer fluids
- 2-500 bbl. FW Tanks
- 1 500 bbl. BW Tank
- 1 half round frac tank 250 bbl. capacity as necessary to catch cement / excess mud returns generated during a cement job.
- 1 Set of rail cars / catch bins

Certain wells will use an ASC Auger Tank

Operation Plan

All equipment will be inspected at least hourly by rig personnel and daily by contractors' personnel.

Any spills / leaks will be reported to YPC, NMOCD, and cleaned up without delay.

Closure Plan

Drilling with Closed Loop System, haul off bins will be taken to Gandy Marley, Lea Land Farm, CRI or Sundance Services Inc.

Contingency Casing Design

If hole conditions dictate, 7" casing will be set at 8,600' MD (8,280' TVD). A 6 1/8" hole will then be drilled to 12,696' MD (8,280' TVD) where 4 1/2" casing will be set and cemented with one stage up to dv tool. After completion procedures, the 4 1/2" casing will be cut and pulled at 7700'.

2nd Intermediate

	0	ft to	1,200	ft	М	ake up Tor	que ft-lbs	Total ft =	1,200
O.D.	Wei	ght	Grade	Threads	opt.	min.	mx.		
7 inches	26	#/ft	L-80	LT&C	5110	3830	6390		
Collapse Resistance	Intern	al Yield	Joint S	Strength	Bo	dy Yield	Drift		
5,410 psi	7,240	psi	51	1 ,000 #	6	04 ,000 #	6.151		

	1,200 ft to	7,900 ft	Make up Torque ft-lbs	Total ft = 6,700
O.D.	Weight	Grade Threads	opt. min. mx.	
7 inches	26 #/ft	J-55 LT&C	3670 2750 4590	
Collapse Resistance	Internal Yield	Joint Strength	Body Yield Drift	7
4,320 psi	4,980 psi	367 ,000 #	415 ,000 # 6.151	

	7,900 ft to	8,600 ft	Make up Torqu	ue ft-lbs	Total ft =	700
O.D.	Weight	Grade Threads	opt. min.	mx.		
7 inches	26 #/ft	L-80 LT&C	5110 3830	6390		
Collapse Resistance	Internal Yield	Joint Strength	Body Yield	Drift		
5,410 psi	7,240 psi	511 ,000 #	604 ,000 #	6.151		

DV tool set at approx. 5700'

Stage I: Cement w/625sx PVL (YLD 1.41 Wt. 13) TOC=5700'.

Stage II: Lead w/600sx Lite crete (YLD 2.66 Wt. 9.9) tail w/125sx PVL (YLD 1.41 Wt 13) TOC = 0'

Production

		0	ft	to	12,696	ft] ∧	lake up Toro	ue ft-lbs	Total ft =	12,696
O.D.			eight/		Grade	Threads	opt.	min.	mx.		
4.5 inches		11	.6 #/ft		HCP-110	LT&C	3020	2270	3780		
Collapse Resistance		Inte	rnal Yi	eld	Joint St	trength	Bo	ody Yield	Drift		
8,650 psi	1	0,690) psi		279	,000#		367 ,000 #	3.875		

DV tool placed at approx. 7700' and cemented with one stage up to dv tool. After completion procedures, the

4 1/2" casing will be cut and pulled at 7700'.

Cemented w/525sx PVL (YLD 1.83 Wt 13) TOC= 7700'

Units: Feet, °, 7100ft

Elevation: Northing: Easting:

Well Name: HARKEY 35 STATE 2H Location: 0

Co: 0 Drillers: 0

Tgt TVD: 8280.00 Tgt MD: 0.00 Tgt Displ.: 0.00 Method: Minimum Curvature

Tgt Radius: 0.00 Tgt N/S: 100.00 Tgt E/W: -4620.00

VS Az: 271.24

http://www.yatespetroleum.com

Conments astille	0.00 Cherry Canyon 0.00 Brushy Canyon 0.00 Bone Springs 0.00 Avalon Shale	rt Bone Springs id Bone-Springs DP	arkey Sand	1.99 2.00 2.00 Harkey, Sand Target 0.00 Lateral TD
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