## **Forest Oil Corporation Pit Closure Summary**

**CMU #93** 

Lea County, NM

UL. L. Sec. 28, T17S, R33E

API 30-025-01526

GPS N32 48.225 W103 40.466

Start date: 16Mar09

Finish date: 15Apr09

RECEIVED

APR 2.4 2009

HOBBSOCD

CLOSURE TO WELL FILE

**ENVIRONMENTAL ENGINEER** 

**Prepared By: Vernon K. Black** 

**Environmental Technician** 

**Hungry Horse Environmental, LLC** 

PO Box 1058

Hobbs, NM 88240

(575)-393-3386



## **Table of Contents**

1.0 Introduction	RECEIVED	pg. 1
2.0 Area Description		pg. 1
3.0 Pit Closure Process	APR 2 4 2009	pg. 1
Diagram of Pit/Location Area	HOBBSOCD	pg. 2

#### **Attachments**

Attachment	1 _	Overhead	4 Viow
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Attachment 2 – Lab Analytical & Chain of Custody

Attachment 3 - One call

Attachment 4 – Photos of Progress

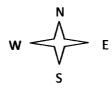
Attachment 5 - Proof of Closure Notice

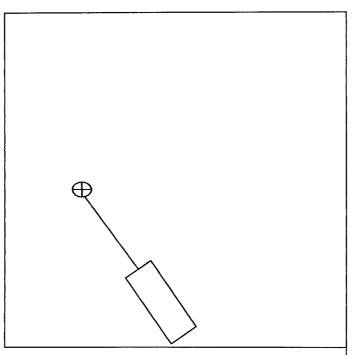
Attachment 6 - Plot Plan

Attachment 7 - C 144 w/Closure Plan

Attachment 8 – C 144 Final

Attachment 9 - C141 Initial & Final Report

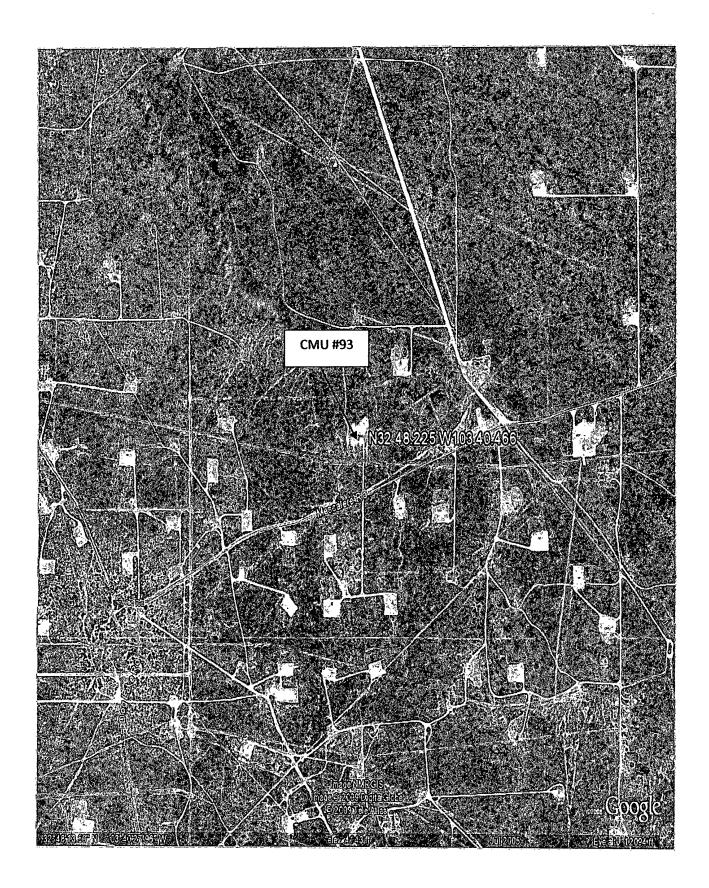




CMU #93 Center of Pit is 40' SE of Wellhead

Mescalero Road

Note: Drawing is not to scale





ANALYTICAL RESULTS FOR

HUNGRY HORSE ENVIRONMENTAL SERVICES

ATTN: VERNON K. BLACK

P.O. BOX 1058 HOBBS, NM 88241 FAX TO: (575) 391-4585

Receiving Date: 03/31/09
Reporting Date: 04/01/09

Project Owner: FOREST OIL
Project Name: CMU #93

Project Location: LEA COUNTY, NM

Sampling Date: 03/31/09

Sample Type: SOIL

Sample Condition: INTACT Sample Received By: ML

Analyzed By: ZL

			ETHYL	TOTAL
	BENZENE	TOLUENE	BENZENE	XYLENES
LAB NUMBER SAMPLE ID	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)

ANALYSIS D	ATE	04/01/09	04/01/09	04/01/09	04/01/09
H17168-1	5PT COMPOSITE 12' BGS	<0.050	<0.050	<0.050	<0.300
Quality Cont	rol	0.052	0.052	0.050	0.150
True Value C		0.050	0.050	0.050	0.150
% Recovery		104	104	100	100
Laborate management of the second	cent Difference	1.6	1.4	2.0	2.0

METHOD: EPA SW-846 8021B

TEXAS NELAP ACCREDITATION T104704398-08-TX FOR BENZENE, TOLUENE, ETHYL BENZENE, AND TOTAL XYLENES.

Chemist

04/02/09 Date



ANALYTICAL RESULTS FOR

HUNGRY HORSE ENVIRONMENTAL SERVICES

ATTN: VERNON K. BLACK

P.O. BOX 1058 HOBBS, NM 88241

FAX TO: (575) 391-4585

Receiving Date: 03/31/09 Reporting Date: 04/01/09

Project Owner: FOREST OIL Project Name: CMU #93

Project Location: LEA COUNTY, NM

Sampling Date: 03/31/09 Sample Type: SOIL

Sample Condition: INTACT Sample Received By: ML Analyzed By: AB/TR

418.1

GRO DRO TOTAL

TPH CI\*

LAB NUMBER SAMPLE ID

 $(C_6-C_{10}) (>C_{10}-C_{28})$ (mg/kg) (mg/kg)

(mg/kg)

(mg/kg)

ANALYSIS DATE	03/31/09	03/31/09	03/31/09	04/01/09
H17168-1 5PT COMPOSITE 12' BGS	<10.0	<10.0	<100	1,780
Quality Control	543	564	338	500
True Value QC	500	500	300	500
% Recovery	109	113	113	100
Relative Percent Difference	12.4	8.9	2.0	<0.1

METHODS: TPH GRO & DRO: EPA SW-846 8015 M; EPA 418.1; CI-: Std. Methods 4500-CI-B \*Analysis performed on a 1:4 w:v aqueous extract.

Chemist

Date

#### H17168 TPH2CL HHE



101 East Marland, Hobbs, NM 88240

(575) 393-2326 Fax (575) 393-2476														Page	0								
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Project Manager: V-	Back	The state of the s	Constitution, phone	Marie Commen		Marie / Ambrida	P.C	D. #:															
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<sup>†</sup> Cardinal cannot accept verbal changes. Please fax written changes to 575-393-2476.

CMU #93

From: eticket@nmonecall.org

Sent: Friday, March 06, 2009 11:54 AM

To: vk.black@hungryhorseenvironmentalservices.com

03/10/2009

Subject: Request 2009103176

NEW MEXICO ONE CALL Locate Request Confirmation

Reason Code:STANDARD LOCATE

11:48:00 AM Time:

CALLER INFORMATION

Ticket #:2009103176

Work to Begin Date:

DAVID CARTER HUNGRY HORSE LLC **Excavator Type:CONTRACTOR** 

Tel.:(575)441-5264

DIG LOCATION

City:RURAL LEA Subdivision:

Address To:

Street: CAPROCK MALJAMAR UNIT 93 Nearest Intersecting Street:

Second Intersecting Street :

Additional Dig Information: HOLLOW OUT PIT = FROM HOBBS W ON 62/180 TO 529 T/R 19.5MI TO MOSCALERO RD T/N TO END OF RD T/E 0.5MI T/L ON DIRT TO END AT LOCATION = SPOT 50FT RADIUS OF WELL & PIT

Remarks:

Township: 17S Range: 33E Section 1/4: 28 SW

Type of Work: OIL/GAS-WELL/PIT REPAIR

The following utility owners have been notified of your proposed excavation site:

CONOCO-PHILLIPS & WESTTEX 66 PIPELINE

DCP MIDSTREAM - LINUM PLAINS PIPELINE - HOBBS

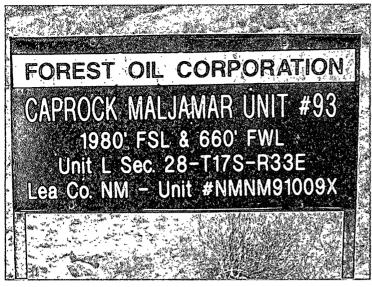
#### IMPORTANT CONFIRMATION NOTICE

Your fax request has been received and processed. It is your responsibility to review the information provided on this faxback confirmation ticket and ensure it has been correctly interpreted from your request. Notify us immediately of any

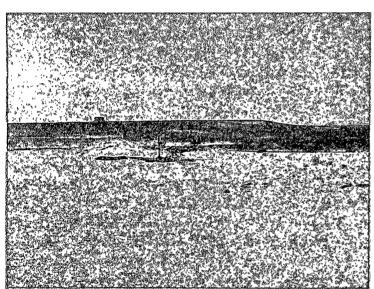
corrections or errors.

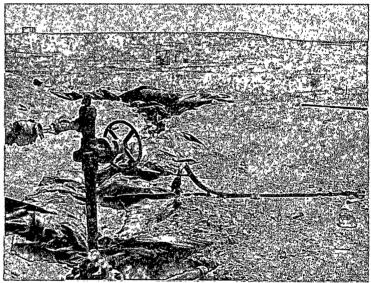
Acceptance of this faxback confirmation ticket means you accept responsibility for the accuracy of the information contained in the ticket and you agree to indemnify New Mexico One Call Systems, Inc. of all liability, claims, fees, or damages, including reasonable attorney fees arising from or resulting from the use of the

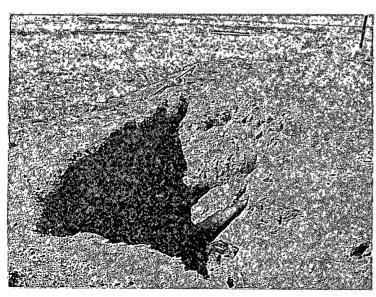
Page 1



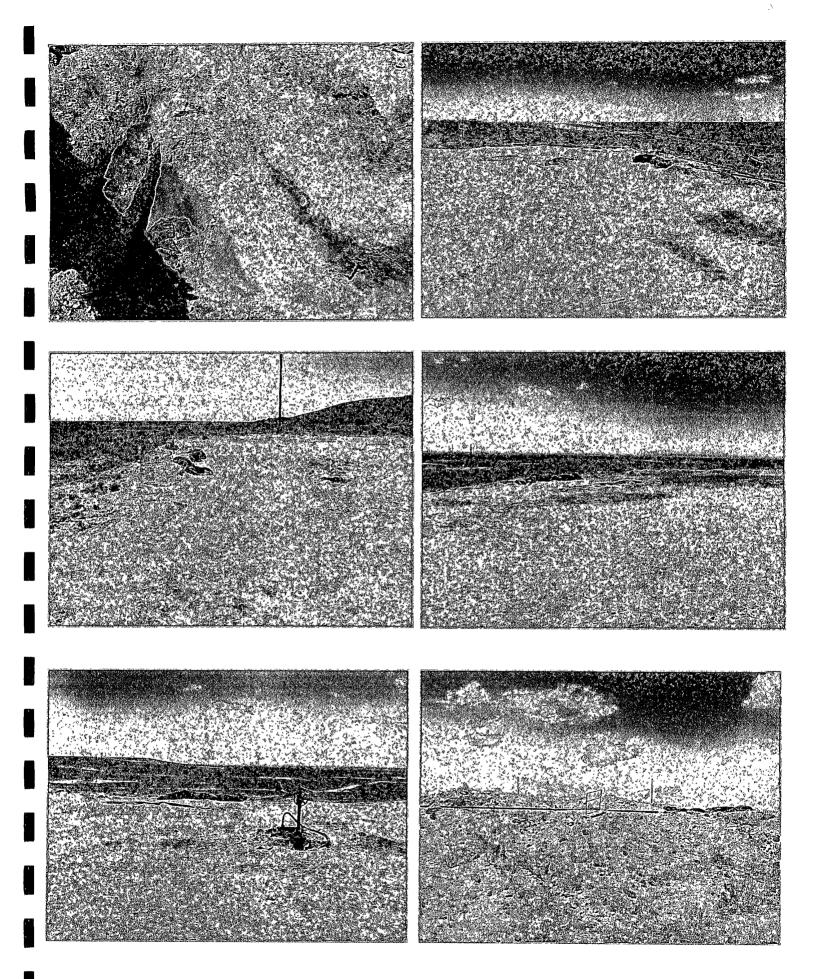












#### HUNGRY HORSE, LLC ENVIRONMENTAL SERVICES

Dirt Work \* On-Site Remediation \* Soil Testing \* Excavation

9Mar09

To: John Norris, Norris Cattle Company Reference: Pit Closures

Dear Mr. Norris,

I am writing this letter on behalf of Forest Oil Corporation to notify you of their intent to close eight workover pits located on your property. All pits are located on active well locations. The pits will be closed utilizing the waste excavation and removal process following NM OCD guidelines. The pits to be closed are listed below.

Legals	API
UL. B, Sec. 19, T17S, R33E	30-025-01479
UL. O, Sec. 28, T17S, R33E	30-025-34193
UL. E, Sec. 21, T17S, R33E	30-025-01509
<b>UL. L, Sec. 28, T17S, R33E</b> €	30-025-01526
UL. P, Sec. 17, T17S, R33E	30-025-01451
UL. J, Sec. 18, T17S, R33E	30-025-01460
UL. D, Sec. 17, T17S, R33E	30-025-01442
UL. N, Sec. 18, T17S, R33E	30-025-01466
	UL. B, Sec. 19, T17S, R33E UL. O, Sec. 28, T17S, R33E UL. E, Sec. 21, T17S, R33E UL. L, Sec. 28, T17S, R33E UL. P, Sec. 17, T17S, R33E UL. J, Sec. 18, T17S, R33E UL. D, Sec. 17, T17S, R33E

Should you have any questions, please feel free to contact myself or Mr. Rick Rickman w/Forest Oil Corporation at 575 392 9797.

Sincerely,

Vernon K. Black

HSE

**Hungry Horse Environmental Services** 

Hobbs, NM

John Mrs

The center of the pit is 40' southeast of the wellhead.

GPS **N32 48.225 W103 40.466** is center of pit

Reference drawing on page 2

# State of New Mexico Energy Minerals and Natural Resources pistrict II O1 W. Grand Avenue, Artesia, NM 88210 Department Strict III O100 Rio Brazos Road, Aztec, NM 87410 MAR 1 1 2009 Oil Conservation Division 1220 South St. Francis Dr.

istrict IV 220 S. St. Francis Dr., Santa Fe, NM 87505 HOBBSOCD

1 .... 1 111

histrict IV

Santa Fe, NM 87505

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  Modification to an existing permit  X Closure plan only submitted for an existing permitted or non-permitted 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						
ase 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 vironment. Nor does approval relieve the operator of its responsibility to comply with any other applicable governmental authority's rules, regulations or ordinances.						
perator: Forest Oil CorporationOGRID #:8041						
Address: 707 17th ST Suite 3600 Denver, CO						
acility or well name: CMU #93						
VPI Number: 30-025-01526OCD Permit Number:						
/L or Qtr/Qtr L Section 28 Township17S Range33E County: Lea_						
enter of Proposed Design: Latitude NAD: 1927 1983						
Surface Owner: Federal State x Private Tribal Trust or Indian Allotment						
Permanent						
Lined Unlined Liner type: Thickness mil LLDPE HDPE PVC Other						
iner Seams: Welded Factory Other						
Below-grade tank: Subsection I of 19.15.17.11 NMAC  (olume:bbl Type of fluid: ank Construction material:  Secondary containment with leak detection						
Alternative Method: Submittal of an exception request is required. Exceptions must be submitted to the Santa Fe Environmental Bureau office for consideration of approval.						

ender in the interest of

encing: Subsection D of 19.15.17.11 NMAC (Applies to permanent pits, temporary pits, and below-grade tanks)							
Chain link, six feet in height, two strands of barbed wire at top (Required if located within 1000 feet of a permanent residence, school, hospital,							
stitution or church)  Four foot height, four strands of barbed wire evenly spaced between one and four feet							
Alternate. Please specify							
etting: Subsection E of 19.15.17.11 NMAC (Applies to permanent pits and permanent open top tanks)							
Subsection E of 19.13.17.11 NMAC (Applies to permanent pits and permanent open top tame)  Screen Netting Other							
Monthly inspections (If netting or screening is not physically feasible)							
Thomas American (control of the control of the cont							
gns: 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							
Administrative Approvals and Exceptions:							
istifications and/or demonstrations of equivalency are required. Please refer to 19.15.17 NMAC for guidance.							
lease 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 of	office for						
onsideration of approval.    Exception(s): Requests must be submitted to the Santa Fe Environmental Bureau office for consideration of approval.							
Exception(s). Requests mass of submitted to the status of submitted to the submitted to the status of submitted to the submitted to submitted to the submitted to submitted to submitted to submitted to submitted to submitted							
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 acceptaterial are provided below. Requests regarding changes to certain siting criteria may require administrative approval from the approfifice or may be considered an exception which must be submitted to the Santa Fe Environmental Bureau office for consideration of a applicant must attack justification for request. Please refer to 19.15.17.10 NMAC for guidance. Siting criteria does not apply to drying the constant of the santa for the santa fo	priate district pproval.						
bove-grade tanks associated with a closed-loop system.  Fround water is less than 50 feet below the bottom of the temporary pit, permanent pit, or below-grade tank.	☐ Yes ☐ No						
- NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells							
Vithin 300 feet of a continuously flowing watercourse, or 200 feet of any other significant watercourse or lakebed, sinkhole, or playa	☐ Yes ☐ No						
ke (measured from the ordinary high-water mark).  - Topographic map; Visual inspection (certification) of the proposed site							
Within 300 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application.	☐ Yes ☐ No ☐ NA						
Applies to temporary, emergency, or cavitation pits and below-grade tanks)  - Visual inspection (certification) of the proposed site; Aerial photo; Satellite image							
Within 1000 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application.	Yes No						
Applies to permanent pits)  - Visual inspection (certification) of the proposed site; Aerial photo; Satellite image	∐ NA						
Within 500 horizontal feet of a private, domestic fresh water well or spring that less than five households use for domestic or stock	☐ Yes ☐ No						
vatering 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							
Within incorporated municipal boundaries or within a defined municipal fresh water well field covered under a municipal ordinance	Yes No						
adopted pursuant to NMSA 1978, Section 3-27-3, as amended.  - 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.	Yes No						
<ul> <li>Engineering measures incorporated into the design; NM Bureau of Geology &amp; Mineral Resources; USGS; NM Geological Society; Topographic map</li> </ul>							
Within a 100-year floodplain FEMA map	☐ Yes ☐ No						

emporary Pits, Emergency Pits, and Below-grade Tanks Permit Application Attachment Checklist: Subsection B of 19.15.17.9 NMAC nstructions: Each of the following items must be attached to the application. Please indicate, by a check mark in the box, that the documents are witached.
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 19.15.17.11 NMAC  Operating and Maintenance 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 Subsection C of 19.15.17.9 NMAC  nd 19.15.17.13 NMAC
Previously Approved Design (attach copy of design) API Number: or Permit Number:
i. <u>Closed-loop Systems Permit Application Attachment Checklist</u> : Subsection B of 19.15.17.9 NMAC  istructions: Each of the following items must be attached to the application. Please indicate, by a check mark in the box, that the documents are
Geologic and Hydrogeologic Data (only for on-site closure) - based upon the requirements of Paragraph (3) of Subsection B of 19.15.17.9  Siting Criteria Compliance Demonstrations (only for on-site closure) - based upon the appropriate requirements of 19.15.17.10 NMAC  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 (Please complete Boxes 14 through 18, if applicable) - based upon the appropriate requirements of Subsection C of 19.15.17.9 NMAC and 19.15.17.13 NMAC
Previously Approved Design (attach copy of design) API Number:
Previously Approved Operating and Maintenance Plan API Number:(Applies only to closed-loop system that use
bove ground steel tanks or haul-off bins and propose to implement waste removal for closure)
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 tached.  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  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 <sub>2</sub> 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
structions: Please complete the applicable boxes, Boxes 14 through 18, in regards to the proposed closure plan.  ype: Drilling x Workover Emergency Cavitation P&A Permanent Pit Below-grade Tank Closed-loop System Alternative toposed Closure Method: x 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 (Exceptions must be submitted to the Santa Fe Environmental Bureau for consideration)
Vaste Excavation and Removal Closure Plan Checklist: (19.15.17.13 NMAC) Instructions: Each of the following items must be attached to the losure plan. Please indicate, by a check mark in the box, that the documents are attached.  x Protocols and Procedures - based upon the appropriate requirements of 19.15.17.13 NMAC  x Confirmation Sampling Plan (if applicable) - based upon the appropriate requirements of Subsection F of 19.15.17.13 NMAC  x Disposal Facility Name and Permit Number (for liquids, drilling fluids and drill cuttings)  x Soil Backfill and Cover Design Specifications - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC  x Re-vegetation Plan - based upon the appropriate requirements of Subsection G of 19.15.17.13 NMAC

Vaste Removal Closure For Closed-loop Systems That Utilize Above Ground Steel Tanks or Haul-off Bins Only: (19.15.17.13. nstructions: Please indentify the facility or facilities for the disposal of liquids, drilling fluids and drill cuttings. Use attachment if	D NMAC) more than two
cilities are required.	
Disposal Facility Name: Disposal Facility Permit Number:	
Disposal Facility Name: Disposal Facility Permit Number:	
/ill any of the proposed closed-loop system operations and associated activities occur on or in areas that will not be used for future set  Yes (If yes, please provide the information below) No	vice 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 I of 19.15.17.13 NMAC  Site Reclamation Plan - based upon the appropriate requirements of Subsection G of 19.15.17.13 NMAC	ıc .
iting Criteria (regarding on-site closure methods only): 19.15.17.10 NMAC ustructions: Each siting criteria requires a demonstration of compliance in the closure plan. Recommendations of acceptable sourovided below. Requests regarding changes to certain siting criteria may require administrative approval from the appropriate distributed an exception which must be submitted to the Santa Fe Environmental Bureau office for consideration of approval. Just emonstrations of equivalency are required. Please refer to 19.15.17.10 NMAC for guidance.	trict office or may be
Fround 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
round 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
round 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 significant watercourse or lakebed, sinkhole, or playa ake (measured from the ordinary high-water mark).  - Topographic map; Visual inspection (certification) of the proposed site	☐ Yes ☐ No
Vithin 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
Vithin 500 horizontal feet of a private, domestic fresh water well or spring that less than five households use for domestic or stock vatering 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; Visual inspection (certification) of the proposed site	☐ Yes ☐ No
Vithin incorporated municipal boundaries or within a defined municipal fresh water well field covered under a municipal ordinance dopted pursuant to NMSA 1978, Section 3-27-3, as amended.  - Written confirmation or verification from the municipality; Written approval obtained from the municipality	Yes No
Vithin 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
Vithin an unstable area.  - Engineering measures incorporated into the design; NM Bureau of Geology & Mineral Resources; USGS; NM Geological Society; Topographic map	☐ Yes ☐ No
Vithin a 100-year floodplain FEMA map	☐ Yes ☐ No
Description   Plan Checklist: (19.15.17.13 NMAC)   Instructions: Each of the following items must be attached to the closure processed upon the appropriate requirements of 19.15.17.10 NMAC   Proof of Surface Owner Notice - based upon the appropriate requirements of Subsection F of 19.15.17.13 NMAC   Construction/Design Plan of Burial Trench (if applicable) based upon the appropriate requirements of 19.15.17.11 NMAC   Construction/Design Plan of Temporary Pit (for in-place burial of a drying pad) - based upon the appropriate requirements of 19.15.17.13 NMAC   Confirmation Sampling Plan (if applicable) - based upon the appropriate requirements of Subsection F of 19.15.17.13 NMAC   Waste Material Sampling Plan - based upon the appropriate requirements of Subsection F of 19.15.17.13 NMAC   Disposal Facility Name and Permit Number (for liquids, drilling fluids and drill cuttings or in case on-site closure standards can   Soil Cover Design - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC   Re-vegetation Plan - based upon the appropriate requirements of Subsection G of 19.15.17.13 NMAC   Site Reclamation Plan - based upon the appropriate requirements of Subsection G of 19.15.17.13 NMAC	0.15.17.11 NMAC

perator Application Certification:	
hereby certify that the information submitted with this application is true,	, accurate and complete to the best of my knowledge and belief.
ignature: Rick Rickman	Title: _/1/5 <i>E</i>
innoting Pick of the	Date: 3-9-09
gnature: /C/C/C X/C// //	
-mail address:	Telephone: 369-6176
CD Approval: Permit Application (including closure plan)	Curry Diam (anh.) [] OCD Conditions (and the sharest)
CD Representative Signature:	Approval Date: 3.11.09
itle: ENVIRONMENTAL ENGINEER	OCD Permit Number:
losure Report (required within 60 days of closure completion): Subs	
	prior to implementing any closure activities and submitting the closure report.  tys of the completion of the closure activities. Please do not complete this
ection of the form until an approved closure plan has been obtained and	the closure activities have been completed.
	Closure Completion Date:
N. A. A.	
losure Method: Waste Excavation and Removal On-Site Closure Method A	Alternative Closure Method  Waste Removal (Closed-loop systems only)
If different from approved plan, please explain.	_ (State to be a specific to be a specif
losure Report Regarding Waste Removal Closure For Closed-loop Sy	ystems That Utilize Above Ground Steel Tanks or Haul-off Bins Only: ds, drilling fluids and drill cuttings were disposed. Use attachment if more than
vo facilities were utilized.	is, a same frames and arm countrys were ansposed. Ose anaenment if more inan
Disposal Facility Name:	Disposal Facility Permit Number:
Disposal Facility Name:	Disposal Facility Permit Number:
Vere the closed-loop system operations and associated activities performed	
Yes (If yes, please demonstrate compliance to the items below)	
equired for impacted areas which will not be used for future service and o  Site Reclamation (Photo Documentation)	operations:
Soil Backfilling and Cover Installation	
Re-vegetation Application Rates and Seeding Technique	
losure Report Attachment Checklist: Instructions: Each of the follow	ving items must be attached to the closure report. Please indicate, by a check
tark in the box, that the documents are attached.	mg werts mad be attached to the custure report. Fleuse indicate, by a check
Proof of Closure Notice (surface owner and division)	
Proof of Deed Notice (required for on-site closure) Plot Plan (for on-site closures and temporary pits)	
Confirmation Sampling Analytical Results (if applicable)	
Waste Material Sampling Analytical Results (required for on-site clo	sure)
☐ Disposal Facility Name and Permit Number ☐ Soil Backfilling and Cover Installation	
Re-vegetation Application Rates and Seeding Technique	
Site Reclamation (Photo Documentation)	
On-site Closure Location: Latitude1	Longitude NAD: 1927 1983
perator Closure Certification:	
	osure report is true, accurate and complete to the best of my knowledge and
elief. I also certify that the closure complies with all applicable closure rec	quirements and conditions specified in the approved closure plan.
ame (Print):	•
(* ****).	Title:
gnature:	Date:
mail address:	Telephone:

#### HUNGRY HORSE, LLC ENVIRONMENTAL SERVICES

Dirt Work **On-Site Remediation** Soil Testina Excavation RECEIVED 9Mar09 MAR 1 1 2009 TO: Larry Johnson, NM OCD Dist 1 HOBBSOCD REFERENCE: Work Plan for Closure of a Temporary Pit **OPERATOR: Forest Oil Corporation LOCATION: CMU #93** API: 30-025-01526 LEGALS: UL. L, Sec 28, T17S, R33E GPS: N32 48.225 W103 40.466 **DEPTH to GROUND WATER: 150'** Protocols and Procedures: The closure of this work over pit will be accomplished by using the waste excavation and removal method. All contents of the pit to include the synthetic liner will be removed and disposed of at a division-approved facility. Confirmation Sampling: A composite sample of the excavated will be obtained and analyzed to determine the levels of Benzene, BTEX, TPH, GRO/DRO, and chlorides. All analysis will be conducted using NM OCD approved analysis methods. Disposal Facility: Lea Land SWM 131401 Soil backfill and Cover Design Specifications: The excavated area will be backfilled to the existing grade of the location using the stockpiled material that came from the original pit excavation and/or from a local source should more be required. Re-vegetation Plan: Due to the affected area being on an active well location, no re-vegetation will be conducted. Site Reclamation Plan: The excavated area will be reclaimed in a manner to match the existing grade of the location. Submitted By: Vernon K. Black, Hungry Horse Environmental Services Signature:

District I 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

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

<u>11000</u>	seu Aiteman	ive ivietnoa i	Permit or Clos	ure Plan Applica	tion				
Type of action:  Permit of a pit, closed-loop system, below-grade tank, or proposed alternative method X Closure of a pit, closed-loop system, below-grade tank, or proposed alternative method  Modification to an existing permit  Closure plan only submitted for an existing permitted or non-permitted pit, closed-loop system, below-grade tank, or proposed alternative method									
			divide al mis al a a l l						
Instructions: Please submit  Please be advised that approval of this re environment. Nor does approval relieve	equest does not relieve	e the appentant of lieb	diam at and a contract		_				
Operator: Forest Oil Corporation									
Address: 707 17 <sup>th</sup> Street Suite 3600 I	Denver, CO								
Facility or well name: CMU #93									
API Number: 30-023-01526			OCD Permit Number						
Sec	tion 28	Township 17S	Range 33F	Country LEA					
Center of Proposed Design: Lamine			Longitude		NAD: □1927 □ 1983				
Surface Owner: Federal State	X Private Tribal	Trust or Indian All	otment						
Temporary: Drilling X Workover Permanent Emergency Cav X Lined Unlined Liner type: T X String-Reinforced Liner Seams: X Welded Factory  Closed-loop System: Subsection Type of Operation: P&A Drill intent) Drying Pad Above Ground St Lined Liner Liner type: The	vitation P&A Thickness 12  Other  H of 19.15.17.11 N ling a new well  teel Tanks Haul	NMAC Workover or Drillin	Volume: 50	_bbl Dimensions: L15'_	x W8'x D5'				
☐ Lined ☐ Unlined Liner type: The Liner Seams: ☐ Welded ☐ Factory	Other	mul   LLD	PE   HDPE   PV 	C Other					
Below-grade tank: Subsection I Volume:	Type of fluid:	le sidewalls, liner, (	5-inch lift and automat	ic overflow shut-off					
Alternative Method: Submittal of an exception request is req	uired. Exceptions	must be submitted	to the Santa Fe Enviro	nmental Bureau office for	consideration of approval.				

	6.								
•	Fencing: Subsection D of 19.15.17.11 NMAC (Applies to permanent pits, temporary pits, and below-grade tanks)								
	Chain link, six feet in height, two strands of barbed wire at top (Required if located within 1000 feet of a permanent residence, school, beginstly								
ı	numerous or charety								
	Four foot height, four strands of barbed wire evenly spaced between one and four feet  Alternate. Please specify								
Ì	Michiale. Frease specify								
	7. Natting: Subsection F of 10 15 17 11 NIMAC (4 1)								
_	Netting: Subsection E of 19.15.17.11 NMAC (Applies to permanent pits and permanent open top tanks)  Screen Netting Other								
ı									
	Monthly inspections (If netting or screening is not physically feasible)								
	Signer Subsection Cof 10 15 17 11 20440								
	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								
	9. Administrative Approvals and Exceptions:								
	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 loops blank.								
-	Administrative approval(s): Requests must be submitted to the appropriate division district or the Santa Fe Environmental Burea consideration of approval.	u office for							
	Exception(s): Requests must be submitted to the Santa Fe Environmental Bureau office for consideration of approval.								
	10.								
	Siting Criteria (regarding permitting): 19.15.17.10 NMAC  Instructions: The applicant must demonstrate compliance for each siting criteria L.								
	Instructions: The applicant must demonstrate compliance for each siting criteria below in the application. Recommendations of accommendations								
7	office or may be considered an exception which must be submitted to the Santa Fe Environmental Bureau office for consideration of Applicant must attack justification for request. Please refer to 19.15.17.10 NIMAC for	approval.							
	Applicant must attach justification for request. Please refer to 19.15.17.10 NMAC for guidance. Siting criteria does not apply to drabove-grade tanks associated with a closed-loop system.	ying pads or							
į	Ground water is less than 50 feet below the bottom of the temporary pit, permanent pit, or below-grade tank.	☐ Yes ☐ No							
	- NW Office of the State Engineer - IWATERS database search; USGS; Data obtained from nearby wells								
ı	Within 300 feet of a continuously flowing watercourse, or 200 feet of any other significant watercourse or lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark).	☐ Yes ☐ No							
	- Topographic map; Visual inspection (certification) of the proposed site								
	Within 300 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application.	☐ Yes ☐ No							
ı	(Applies to temporary, emergency, or cavitation pits and below-grade tanks)  - Visual inspection (certification) of the proposed site; Aerial photo; Satellite image	□ NA							
_	Within 1000 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application.								
ı	1 Pro Pro-manus page	│							
	- Visual inspection (certification) of the proposed site; Aerial photo; Satellite image								
_ ,	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 in existence at the time of initial application.	☐ Yes ☐ No							
	TWITE Control database search, visual inspection (certification) of the proposed site								
,	Within incorporated municipal boundaries or within a defined municipal fresh water well 5-14								
ľ	dopted pursuant to NMSA 1978, Section 3-27-3, as amended.  Written confirmation or verification from the municipality; Written approval obtained from the municipality	☐ Yes ☐ No							
I,	Vithin 500 feet of a wetland.								
	- US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the proposed site	☐ Yes ☐ No							
١	Vithin the area overlying a subsurface mine.								
	<ul> <li>Written confirmation or verification or map from the NM EMNRD-Mining and Mineral Division</li> </ul>	☐ Yes ☐ No							
V	/ithin an unstable area.								
I	<ul> <li>Engineering measures incorporated into the design; NM Bureau of Geology &amp; Mineral Resources; USGS; NM Geological</li> </ul>	☐ Yes ☐ No							
γ	/ithin a 100-year floodplain.								
ı	- FEMA map	☐ Yes ☐ No							
1									

	11.
	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
	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 19.15.17.11 NMAC
	Operating and Maintenance 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 Subsection C of 19.15.17.9 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 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
	www.ciscus
	Geologic and Hydrogeologic Data (only for on-site closure) - based upon the requirements of Paragraph (3) of Subsection B of 19.15.17.9  Siting Criteria Compliance Demonstrations (only for on-site closure) - based upon the appropriate requirements of 19.15.17.10 NMAC
	L) Design 1 iail - based upon the appropriate requirements of 19.15.17.11 NMAC
	Uperating and Maintenance Plan - based upon the appropriate requirements of 19 15 17 12 NIAAC
	Closure Plan (Please complete Boxes 14 through 18, if applicable) - based upon the appropriate requirements of Subsection C of 19.15.17.9 NMAC and 19.15.17.13 NMAC
	Previously Approved Design (attach copy of design) API Number:
	Proviously Americal Countries and Advisory
	above ground steel tanks or haul-off bins and propose to implement waste removal for closure)  API Number:(Applies only to closed-loop system that use
	13.
	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
=	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
I	Certified Engineering Design Plans - based upon the appropriate requirements of 19.15.17.11 NIAAC
٦	Dike Protection and Structural Integrity Design - based upon the appropriate requirements of 10.15.17.11 NIAAC
	Li Lak Detection Design - based upon the appropriate requirements of 10 15 17 11 NAAC
	Liner Specifications and Compatibility Assessment - based upon the appropriate requirements of 19.15.17.11 NMAC  Quality Control/Quality Assurance Construction and Installation Plan
7	Uperating and Maintenance Plan - based upon the appropriate requirements of 10.15.17.12 NIAAC
	Freeboard and Overtopping Prevention Plan - based upon the appropriate requirements of 19.15.17.11 NMAC  Nuisance or Hazardous Odors, including H <sub>2</sub> 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
	14. Proposed Closure: 19.15.17.13 NMAC
ŀ	Instructions: Please complete the applicable boxes, Boxes 14 through 18, in regards to the proposed closure plan
<b>.</b>	Type: Drilling Workover Emergency Cavitation P&A Permanent Pit Below-grade Tank Closed-loop System
E,	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 (Exceptions must be submitted to the Santa Fe Environmental Bureau for consideration)
1. V	
c	Waste Excavation and Removal Closure Plan Checklist: (19.15.17.13 NMAC) Instructions: Each of the following items must be attached to the
	Protocols and Procedures - based upon the appropriate requirements are uninease.
	Committation Sampling Plan (if applicable) - based upon the appropriate requirements - Co. 1
هن	Soil Backfill and Cover Design Specifications - based upon the appropriate manifestations of the second sec
-	Site Reclamation Plan - based upon the appropriate requirements of Subsection G of 19.15.17.13 NMAC

	Waste Removal Closure For Closed-loop Systems That Utilize Above Ground Steel Tanks or	Haul-off Bins Only: (19.15.17.13.	D NMAC)					
ı,	Instructions: Please indentify the facility or facilities for the disposal of liquids, drilling fluids a facilities are required.	nd drill cuttings. Use attachment if	more than two					
	Disposal Facility Name: Disposal Facili	ty Permit Number:						
1		ty Permit Number:						
	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 Re-vegetation Plan - based upon the appropriate requirements of Subsection I of 19.15.17.13  Site Reclamation Plan - based upon the appropriate requirements of Subsection G of 19.15.1	NMAC	c					
	17.  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. R provided below. Requests regarding changes to certain siting criteria may require administrative considered an exception which must be submitted to the Santa Fe Environmental Bureau office j demonstrations of equivalency are required. Please refer to 19.15.17.10 NMAC for guidance.	e anneoval from the anneoneigte dis-	riet effice or man be					
	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 the state of the State Engineer - iWATERS database search; USGS; Data obtained from the state of the State Engineer - iWATERS database search; USGS; Data obtained from the state of th	•	☐ Yes ☐ No ☐ NA					
	Within 300 feet of a continuously flowing watercourse, or 200 feet of any other significant watercoulake (measured from the ordinary high-water mark).  - Topographic map; Visual inspection (certification) of the proposed site	urse or lakebed, sinkhole, or playa	Yes No					
	Within 300 feet from a permanent residence, school, hospital, institution, or church in existence at the Visual inspection (certification) of the proposed site; Aerial photo; Satellite image	he time of initial application.	☐ Yes ☐ No					
	Within 500 horizontal feet of a private, domestic fresh water well or spring that less than five house watering purposes, or within 1000 horizontal feet of any other fresh water well or spring, in existence - NM Office of the State Engineer - iWATERS database; Visual inspection (certification) of the state of the st	ce at the time of initial application. the proposed site	☐ Yes ☐ No					
	Within incorporated municipal boundaries or within a defined municipal fresh water well field cove adopted pursuant to NMSA 1978, Section 3-27-3, as amended.  Written confirmation or verification from the municipality; Written approval obtained from		☐ Yes ☐ No					
	Within 500 feet of a wetland.  - US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (cert	tification) 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 Div	vision	☐ Yes ☐ No					
	<ul> <li>Within an unstable area.</li> <li>Engineering measures incorporated into the design; NM Bureau of Geology &amp; Mineral Reso Society; Topographic map</li> </ul>	ources; USGS; NM Geological	☐ Yes ☐ No					
Ī	Within a 100-year floodplain FEMA map		☐ Yes ☐ No					
!	On-Site Closure Plan Checklist: (19.15.17.13 NMAC) Instructions: Each of the following items by a check mark in the box, that the documents are attached.  Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of Subsection F of Construction/Design Plan of Burial Trench (if applicable) based upon the appropriate requirements of Construction/Design Plan of Temporary Pit (for in-place burial of a drying pad) - based upon the 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 F of 1 Disposal Facility Name and Permit Number (for liquids, drilling fluids and drill cuttings or in Confirmation Sampling Plan - based upon the appropriate requirements of Subsection H of 19.15.17.13 Nmac Soil Cover Design - based upon the appropriate requirements of Subsection H of 19.15.17.13 Nmac Re-vegetation Plan - based upon the appropriate requirements of Subsection G of 19.15.17.13 Nmac Site Reclamation Plan - based upon the appropriate requirements of Subsection G of 19.15.17.13 Nmac Site Reclamation Plan - based upon the appropriate requirements of Subsection G of 19.15.17.13 Nmac Site Reclamation Plan - based upon the appropriate requirements of Subsection G of 19.15.17.13 Nmac Site Reclamation Plan - based upon the appropriate requirements of Subsection G of 19.15.17.13 Nmac Site Reclamation Plan - based upon the appropriate requirements of Subsection G of 19.15.17.13 Nmac Site Reclamation Plan - based upon the appropriate requirements of Subsection G of 19.15.17.13 Nmac Site Reclamation Plan - based upon the appropriate requirements of Subsection G of 19.15.17.13 Nmac Site Reclamation Plan - based upon the appropriate requirements of Subsection G of 19.15.17.13 Nmac Site Reclamation Plan - based upon the appropriate requirements of Subsection F of 19.15.17.13 Nmac Site Reclamation Plan - based upon the appropriate requirements of Subsection F of 19.15.17.13 Nmac Sit	5.17.10 NMAC 19.15.17.13 NMAC ments of 19.15.17.11 NMAC the appropriate requirements of 19.1 section F of 19.15.17.13 NMAC 9.15.17.13 NMAC case on-site closure standards canno NMAC	5.17.11 NMAC					

19.								
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):	Title:							
Signature:	Date:							
e-mail address:	Telephone:							
20. OCD Approval: Permit Application (including closure plan) Closure Plan	an (only) DCD Cond	ditions (see attachment)						
OCD Representative Signature:		Approval Date:						
Triales	OCD Barreit Name barre							
Title:	OCD FERBIR NUMBER:							
Closure Report (required within 60 days of closure completion): Subsection Instructions: Operators are required to obtain an approved closure plan prior to The closure report is required to be submitted to the division within 60 days of the section of the form until an approved closure plan has been obtained and the closure plan has been obtained.	o implementing any closu he completion of the closu osure activities have been	re activities. Please do not complete this completed.						
	X Closure Completion	Date 23Mar09						
22. Closure Method: X Waste Excavation and Removal  On-Site Closure Method  Alternat If different from approved plan, please explain.	ive Closure Method 🔲 \	Waste Removal (Closed-loop systems only)						
23. Closure Report Regarding Waste Removal Closure For Closed-loop Systems Instructions: Please indentify the facility or facilities for where the liquids, drill two facilities were utilized.	ling fluids and drill cutting	gs were disposed. Use attachment if more than						
Disposal Facility Name:	Disposal Facility Permit	Number:						
Disposal Facility Name:		Number:						
Were the closed-loop system operations and associated activities performed on or ☐ Yes (If yes, please demonstrate compliance to the items below) ☐ No	in areas that will not be us	ed for future service and operations?						
Required for impacted areas which will not be used for future service and operation   Site Reclamation (Photo Documentation) Soil Backfilling and Cover Installation Re-vegetation Application Rates and Seeding Technique	ons:							
24.	_							
Closure Report Attachment Checklist: Instructions: Each of the following ite mark in the box, that the documents are attached.  X Proof of Closure Notice (surface owner and division)  Proof of Deed Notice (required for on-site closure)  X Plot Plan (for on-site closures and temporary pits)  X Confirmation Sampling Analytical Results (if applicable)  Waste Material Sampling Analytical Results (required for on-site closure)  X Disposal Facility Name and Permit Number  X Soil Backfilling and Cover Installation  X Re-vegetation Application Rates and Seeding Technique  X Site Reclamation (Photo Documentation)	ms must be attached to th	e closure report. Please indicate, by a check						
	ide	NAD: □1927 □ 1983						
Operator Closure Certification: I hereby certify that the information and attachments submitted with this closure rebelief. I also certify that the closure complies with all applicable closure requirements.	port is true, accurate and cents and conditions specific	complete to the best of my knowledge and						
Name (Print): Rick Rickman	Title: H.S.E.							
Signature: Zicil Ricking	Date: 17Apr09_							
e-mail address:rdrickman@forestoil.com	Telephone	575 392 9797 office 575 369 6176 cell						

<u>District I</u> 1625 N. French Dr., Hobbs, NM 88240

State of New Mexico

Santa Fe, NM 87505

Form C-141 Revised October 10, 2003

District III

1000 Rio Brazos Road, Aztec, NM 87410

District IV

District III

Distri District IV 1220 S. St. Francis Dr., Santa Fe, NM 87505 MAR 1 8 2009 1220 South St. Francis Dr.

Submit 2 Copies to appropriate District Office in accordance with Rule 116 on back side of form

			Kel	lease Notifi	cation	and C	orrective A	ction _			
<del>-</del>						OPER.			:a:1 D	_	
Name of Company Forest Oil Corporation						Contact Rick Rickman X Initial Report Final Rep					
Address 3504 NW County Road Hobbs, NM 88240 Facility Name CMU #93						Telephone No. 575 392 9797					
						Facility Type Injection Well					
Surface Ow	Surface Owner Private Mineral Owner							AR AR			
					<del></del>			Léase	No. 30 02	25 01526	
Unit Letter	Section	Township	Range	LOCA	ATION	ON OF RELEASE					
,		Township	Kange	Feet from the	North/So	uth Line	Feet from the	East/West Line	County		
L	28	178	33E			j					
			La	titude		_				Lea	
			LA	titude		Longitud	e		se.		
Type of Relea				NAT	URE O	F RELI	EASE		wrie, 60		
Source of Rel		Produced Wat orkover Pit	ег				Release Unknow	n Volumo	Recovered		
					[	Date and H	our of Occurrence		Recovered Hour of Disco	Unknown	
Was Immedia	te Notice G	iven?	· · · · · · · · · · · · · · · · · · ·			Inknown	ua c	16Mar0	)	uvuy	
			Yes X	No Not Req	uired	f YES, To	Whom?				
By Whom?						loto as 177					
Was a Waterco	ourse Reach				11	ate and Ho	our ume Impacting th	- 11/			
			Yes X	No	-	155, 161	une impacting to	e watercourse.			
If a Watercour	se was Imp	acted, Describ	e Fully.*		L_						
N/A									· · · · ·		
l											
Describe Cause	of Problem	n and Remedi	al Action	Taken.*							
During the com	rse of closin	10 the works	i		nple from b	elow the I	iner was obtains d				
moreated that a	release had	occurred. Pit	closure a	omposite field san s per NM OCD ap	proval wil	l continue.	nici was obtained	and field tested	for chlorides. T	The field test	
D. 7											
Describe Area	Affected and	d Cleanup Ac	tion Taker	1.*							
Į.											
Thank 10											
regulations all or	that the info	rmation give	n above is	true and complete	e to the bes	t of my kn	Owledge and und				
public health or	the environ	required to rement. The ac-	eport and/	true and complete or file certain release of a C-141 report l	ase notifica	ations and	perform corrective	e actions for rele	ant to NMOCI	D rules and	
should their oper	rations have	failed to ade	quately in	or file certain released of a C-141 report I vestigate and removed to the contract of the cont	by the NM	OCD mark	ed as "Final Repo	ort" does not relie	eve the operator	y endanger	
or the environme	nt. In addi	tion, NMOCE	acceptan	of a C-141 report I vestigate and remo ice of a C-141 rep	ort does no	amination	that pose a threat	to ground water,	surface water.	human health	
icuciai, state, or	iocal laws a	and/or regulati	ions.	vestigate and remote of a C-141 rep		r reneve ti	ic operator of resp	consibility for co	mpliance with	any other	
Í	/ ,	1/1									
Signature: /	·cK	Kri K	nac			OIL CONSERVATION DIVISION					
Desiration 1 No.			- 1 - 1 - 1		┥.	Approved by District ENGINEER					
Printed Name: Ri	ck Rickma	<u>n</u>			Appro	ved by Dis	trict <b>Eulidet/IRO</b> IN	MENTAL EN	CIMETO		
Title: H.S.E.								TOTAL EN	IGINEEK		
					Approv	val Date:	3.18.09	Expiration D	ite: 5.18.	06	
-mail Address: r	drickman@	forestoil.com			- 1			- F. ation D	m. 31101		
					Conditi	ions of App	proval:	-	Attached 🗀	[	
		Phone	: 575 369	6176					Attached [		
ttach Additiona	n Sneets I	Necessary							1RP#091	3.2128	

District III 1000 Rio Brazos Road, Aztec, NM 87410 APR 2 / 2009

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
Oil Conservation Division

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505

Form C-141 Revised October 10, 2003

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### District IV 1220 S. St. Francis Dr., Santa Fe, NM 1508BSOCD **Release Notification and Corrective Action**

							OPERA	TOR		☐ Initial Report X Final Report			
ì	Name of Company Forest Oil Corp					Contact Rick Rickman							
	Address 3504 NW County Road Hobbs, NM 88240						Telephone No. 575-392 9797						
•	Facility Nar	Facility Name CMU #93						Facility Type Injection Well					
ì	Surface Ow	Surface Owner Private Mineral Owner								Lease 1	No. API 30-025-	-01526	
					LOCA	TIO	NOEDE	L EC A CUER		1		01320	
	Unit Letter	Section	Township	Feet from the		ON OF RELEASE th/South Line   Feet from the   East.							
ĺ	Omi Better	Section	Township	Range	rect from the	North	/South Line   Feet from the   East/			st/West Line   County			
	L	28	178	33E		<u> </u>					LEA		
				La	titude		Longitud	le			intates.		
					NAT	URE	OF RELI	EASE			M. 162		
'	Type of Rele	ase Produc	ced Water					Release Unknow		Volume I	Recovered Unkno	wn	
	Source of Re	lease Wor	k Over Pit					lour of Occurrence	æ		Hour of Discovery		
	Was Immedia	te Notice (	liven?				Unknown If YES, To	W/h 9		Unknown	1		
•				Yes X	No Not Rec	quired	N/A	wnom?				۸	
	By Whom?						Date and H						
	Was a Watero	course Read		Yes X	No		If YES, Vo	lume Impacting t	he Wate	rcourse.			
	If a Watercou	rse was Im	pacted, Descri	be Fully.*	:								
	21/4												
	N/A												
	Describe Cau	se of Proble	m and Remed	lial Action	Taken.*								
•													
	Describe Area	Affected a	ind Cleanup A	ction Take	en.*								
	indicated Ben	r pit area w zene. BTE)	as excavated t	o approxii RO/DRO	mately 25 L X 15 had levels well be	'Wxl elowu	2'D. A five po	int composite sar	nple was	obtained	and analyzed. Lab levels were slight!	results	
	und crosure ap	piovai was	obtained Hon	I LAUIY JU	IIISOR, NM UCD	DISUL.	with the stinii	lation that a harri	closure.	Chloride	levels were slightly c liner) be used to	y elevated	
•	encuration pri	or who care	in. Once mik	ed, closure	continueu as per	De app	proved work pl	an.	Ci (20 III	n synuicu	o inici) be used to	line the	
	**See attached	i lab analyt	ical results		<del>-</del>	the							
	I hereby certif	y that the ir	formation giv	en above	is true and comple	ete to t	he best of my l	cnowledge and ur	nderstand	that nurs	uant to NMOCD r	ulecand	
•	i ce aiumono an	voviauris a	u C 1 Cumii Cai 10	ICINNI AIN	nor me cenain re	ieace n	Offfications on	d =0===================================	· ·				
											ases which may er eve the operator of , surface water, hu		
H	or the environ	nent. In ad	dition, NMO(	CD accepta	ance of a C-141 re	eport d	e comammano oes not relieve	n that pose a thre	at to gro	und water,	, surface water, hus empliance with any	man health	
-	federal, state, o	or local law	s and/or regul	ations.				are operator of it	csponsio	iiny ioi co	impliance with any	other	
	;	0 -	$\bigcirc$				OIL CONSERVATION DIVISION						
	Signature: Kilc Kickna						The state of the s						
						- Amenda Division							
I	Printed Name: Rick Rickman						Approved by District Supervisor: ENVIRONMENTAL ENGINEER					***************************************	
	m.,						Approval Date		$\sim$		NGINEER		
	E-mail Address	s: rdrickma	n@forestoil a	\m		S.P. Martin Dutc.							
$\vdash$	- man Auures	7	negroresion.co	2111		Conditions of Approval:							
	Date: 17P	prog		Phone: 5	575 369 6176	1RP# 09.3.21				713.5			
	Attach Addition	onal Sheet	s If Necessar			l					INAT OUR	20128	