

For KCC Use: 2-12-2012  
 Effective Date: 1  
 District #: \_\_\_\_\_  
 SGA?  Yes  No

KANSAS CORPORATION COMMISSION  
 OIL & GAS CONSERVATION DIVISION

Form C-1  
 March 2010

Form must be Typed  
 Form must be Signed  
 All blanks must be Filled

NOTICE OF INTENT TO DRILL

Must be approved by KCC five (5) days prior to commencing well  
 Form KSONA-1, Certification of Compliance with the Kansas Surface Owner Notification Act, MUST be submitted with this form.

Expected Spud Date: 02-10-12  
month day year

OPERATOR: License# 3180  
 Name: Deutsch Oil Company  
 Address 1: 8100 E. 22nd Street North, bldg. 600  
 Address 2: \_\_\_\_\_  
 City: Wichita State: Ks Zip: 67226 + \_\_\_\_\_  
 Contact Person: Kent Deutsch  
 Phone: 316-681-3567

CONTRACTOR: License# Maverick Drilling LLC  
 Name: 34233

Spot Description: 205 ft. south and 50 ft. <sup>West</sup> east of  
 - NE - NE - NE Sec. 2 Twp. 30 S. R. 24  E  W  
(Q/Q/Q/Q)  
535 feet from  N /  S Line of Section  
380 feet from  E /  W Line of Section

Is SECTION:  Regular  Irregular?  
 (Note: Locate well on the Section Plat on reverse side)

County: Clark  
 Lease Name: Hertlein Well #: 1-2

Field Name: \_\_\_\_\_  
 Is this a Prorated / Spaced Field?  Yes  No

Target Formation(s): Mississippi  
 Nearest Lease or unit boundary line (in footage): 380 ft.

Ground Surface Elevation: 2576 feet MSL  
 Water well within one-quarter mile:  Yes  No

Public water supply well within one mile:  Yes  No  
 Depth to bottom of fresh water: 240

Depth to bottom of usable water: 440  
 Surface Pipe by Alternate:  I  II

Length of Surface Pipe Planned to be set: 540 ft.  
 Length of Conductor Pipe (if any): \_\_\_\_\_

Projected Total Depth: 5500 ft.  
 Formation at Total Depth: Mississippi

Water Source for Drilling Operations:  
 Well  Farm Pond  Other: \_\_\_\_\_

DWR Permit #: \_\_\_\_\_  
 (Note: Apply for Permit with DWR )

Will Cores be taken?  Yes  No  
 If Yes, proposed zone: \_\_\_\_\_

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AFFIDAVIT

The undersigned hereby affirms that the drilling, completion and eventual plugging of this well will comply with K.S.A. 55 et. seq.  
 It is agreed that the following minimum requirements will be met:

1. Notify the appropriate district office **prior** to spudding of well;
2. A copy of the approved notice of intent to drill **shall be** posted on each drilling rig;
3. The minimum amount of surface pipe as specified below **shall be set** by circulating cement to the top; in all cases surface pipe **shall be set** through all unconsolidated materials plus a minimum of 20 feet into the underlying formation.
4. If the well is dry hole, an agreement between the operator and the district office on plug length and placement is necessary **prior to plugging**;
5. The appropriate district office will be notified before well is either plugged or production casing is cemented in;
6. If an ALTERNATE II COMPLETION, production pipe shall be cemented from below any usable water to surface within **120 DAYS** of spud date.  
 Or pursuant to Appendix "B" - Eastern Kansas surface casing order #133,891-C, which applies to the KCC District 3 area, alternate II cementing must be completed within 30 days of the spud date or the well shall be plugged. **In all cases, NOTIFY district office** prior to any cementing.

I hereby certify that the statements made herein are true and to the best of my knowledge and belief.

Date: 01-27-12 Signature of Operator or Agent: [Signature] Title: Owner

For KCC Use ONLY  
 API # 15 - 025-21538-0000  
 Conductor pipe required None feet  
 Minimum surface pipe required 460 feet per ALT.  I  II  
 Approved by: [Signature] 2-7-2012  
 This authorization expires: 2-7-2013  
(This authorization void if drilling not started within 12 months of approval date.)  
 Spud date: \_\_\_\_\_ Agent: \_\_\_\_\_

Remember to:

- File Certification of Compliance with the Kansas Surface Owner Notification Act (KSONA-1) with Intent to Drill;
- File Drill Pit Application (form CDP-1) with Intent to Drill;
- File Completion Form ACO-1 within 120 days of spud date;
- File acreage attribution plat according to field proration orders;
- Notify appropriate district office 48 hours prior to workover or re-entry;
- Submit plugging report (CP-4) after plugging is completed (within 60 days);
- Obtain written approval before disposing or injecting salt water.
- If well will not be drilled or permit has expired (See: authorized expiration date) please check the box below and return to the address below.

Well will not be drilled or Permit Expired Date: \_\_\_\_\_  
 Signature of Operator or Agent: \_\_\_\_\_

Mail to: KCC - Conservation Division,  
 130 S. Market - Room 2078, Wichita, Kansas 67202

2  
30  
24  
 E  
 W

For KCC Use ONLY

API # 15 - 02521538-0000

IN ALL CASES PLOT THE INTENDED WELL ON THE PLAT BELOW

In all cases, please fully complete this side of the form. Include items 1 through 5 at the bottom of this page.

Operator: Deutsch Oil Company
Lease: Hertlein
Well Number: 1-2
Field:

Location of Well: County: Clark
535 feet from N / S Line of Section
380 feet from E / W Line of Section
Sec. 2 Twp. 30 S. R. 24 E W

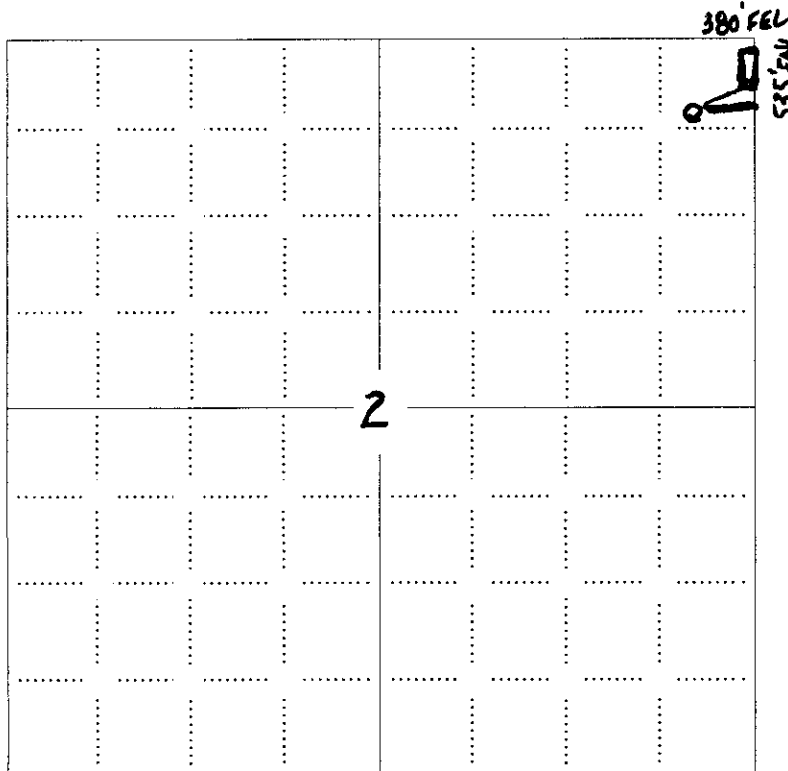
Number of Acres attributable to well:
QTR/QTR/QTR/QTR of acreage: - NE - NE - NE

Is Section: Regular or Irregular

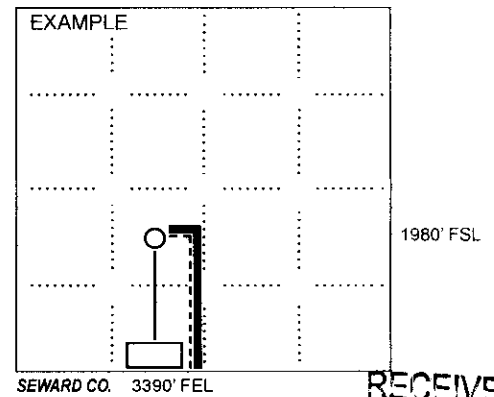
If Section is Irregular, locate well from nearest corner boundary.
Section corner used: NE NW SE SW

PLAT

Show location of the well. Show footage to the nearest lease or unit boundary line. Show the predicted locations of lease roads, tank batteries, pipelines and electrical lines, as required by the Kansas Surface Owner Notice Act (House Bill 2032). You may attach a separate plat if desired.



LEGEND
Well Location (circle)
Tank Battery Location (rectangle)
Pipeline Location (solid line)
Electric Line Location (dashed line)
Lease Road Location (thick solid line)



NOTE: In all cases locate the spot of the proposed drilling locaton.

In plotting the proposed location of the well, you must show:

- 1. The manner in which you are using the depicted plat by identifying section lines, i.e. 1 section, 1 section with 8 surrounding sections, 4 sections, etc.
2. The distance of the proposed drilling location from the south / north and east / west outside section lines.
3. The distance to the nearest lease or unit boundary line (in footage).
4. If proposed location is located within a prorated or spaced field a certificate of acreage attribution plat must be attached: (C0-7 for oil wells; CG-8 for gas wells).
5. The predicted locations of lease roads, tank batteries, pipelines, and electrical lines.

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### CERTIFICATION OF COMPLIANCE WITH THE KANSAS SURFACE OWNER NOTIFICATION ACT

This form must be submitted with all Forms C-1 (Notice of Intent to Drill); CB-1 (Cathodic Protection Borehole Intent); T-1 (Request for Change of Operator Transfer of Injection or Surface Pit Permit); and CP-1 (Well Plugging Application). Any such form submitted without an accompanying Form KSONA-1 will be returned.

Select the corresponding form being filed:  C-1 (Intent)  CB-1 (Cathodic Protection Borehole Intent)  T-1 (Transfer)  CP-1 (Plugging Application)

OPERATOR: License # 3180  
Name: Deutsch Oil Company  
Address 1: 8100 E. 22nd Street North, bldg. 600  
Address 2: \_\_\_\_\_  
City: Wichita State: Ks Zip: 67226 + \_\_\_\_\_  
Contact Person: Kent Deutsch  
Phone: ( 316 ) 681-3567 Fax: ( 316 ) 681-1469  
Email Address: kent@deutschoil.com

Well Location:  
NE NE NE Sec. 2 Twp. 30 S. R. 24  Eas  West  
County: Clark  
Lease Name: Hertlein Well #: 1-2

If filing a Form T-1 for multiple wells on a lease, enter the legal description of the lease below:

**Surface Owner Information:**

Name: Hertlein Trust (Barbara Keener)  
Address 1: P.O. Box 1827  
Address 2: \_\_\_\_\_  
City: Ardmore State: Ok Zip: 73402 + \_\_\_\_\_

When filing a Form T-1 involving multiple surface owners, attach an additional sheet listing all of the information to the left for each surface owner. Surface owner information can be found in the records of the register of deeds for the county, and in the real estate property tax records of the county treasurer.

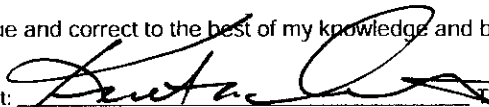
If this form is being submitted with a Form C-1 (Intent) or CB-1 (Cathodic Protection Borehole Intent), you must supply the surface owners and the KCC with a plat showing the predicted locations of lease roads, tank batteries, pipelines, and electrical lines. The locations shown on the plat are preliminary non-binding estimates. The locations may be entered on the Form C-1 plat, Form CB-1 plat, or a separate plat may be submitted.

**Select one of the following:**

- I certify that, pursuant to the Kansas Surface Owner Notice Act (House Bill 2032), I have provided the following to the surface owner(s) of the land upon which the subject well is or will be located: 1) a copy of the Form C-1, Form CB-1, Form T-1, or Form CP-1 that I am filing in connection with this form; 2) if the form being filed is a Form C-1 or Form CB-1, the plat(s) required by this form; and 3) my operator name, address, phone number, fax, and email address.
- I have not provided this information to the surface owner(s). I acknowledge that, because I have not provided this information, the KCC will be required to send this information to the surface owner(s). To mitigate the additional cost of the KCC performing this task, I acknowledge that I am being charged a \$30.00 handling fee, payable to the KCC, which is enclosed with this form.

If choosing the second option, submit payment of the \$30.00 handling fee with this form. If the fee is not received with this form, the KSONA-1 form and the associated Form C-1, Form CB-1, Form T-1, or Form CP-1 will be returned.

I hereby certify that the statements made herein are true and correct to the best of my knowledge and belief.

Date: 01-27-12 Signature of Operator or Agent:  Title: Owner

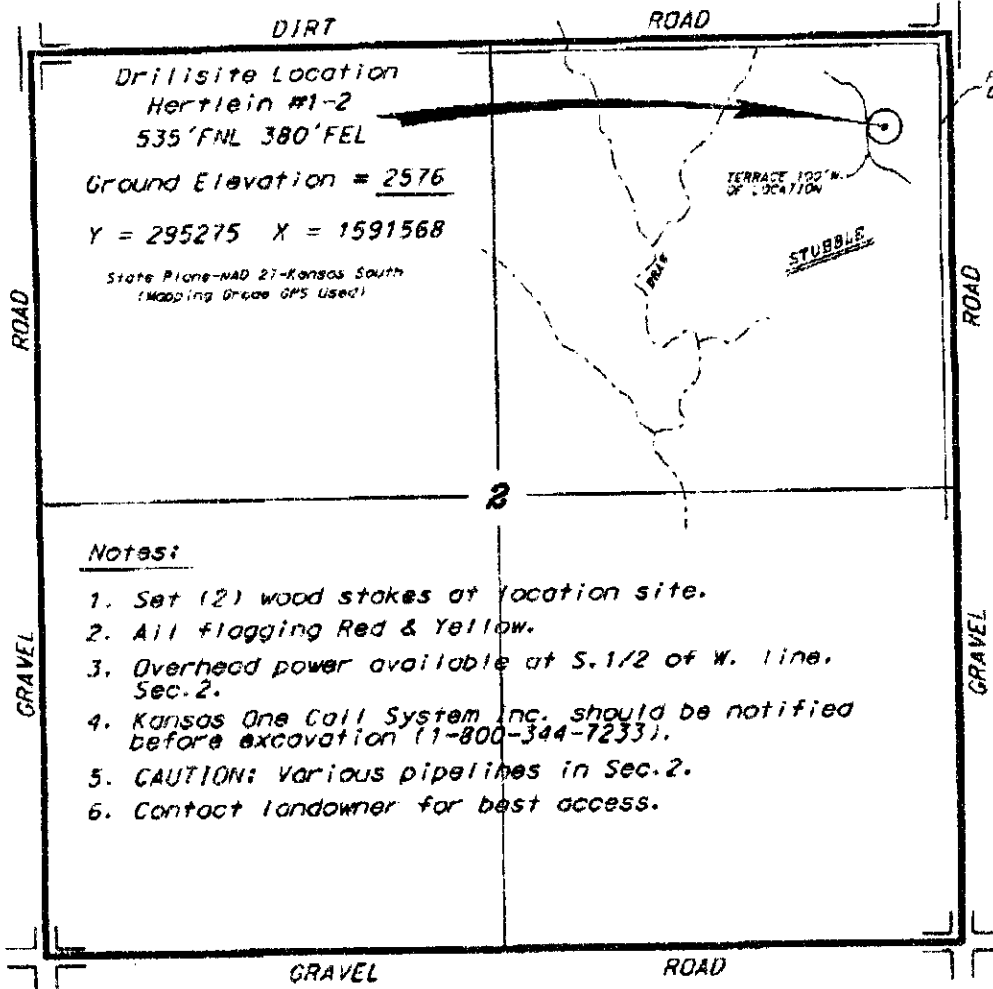
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DEUTSCH OIL COMPANY  
HERTLEIN LEASE  
NE 1/4, SECTION 2, T30S, R24W  
CLARK COUNTY, KANSAS

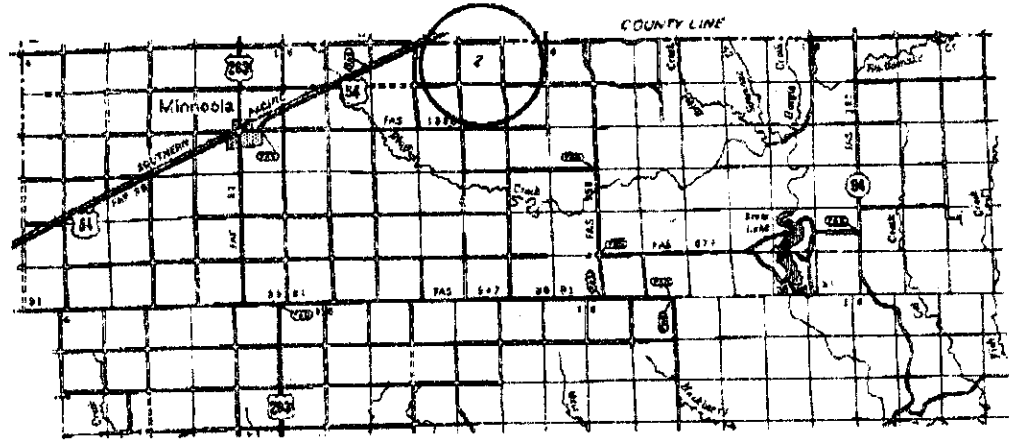
15-02521538-0000



Notes:

1. Set (2) wood stakes at location site.
2. All flagging Red & Yellow.
3. Overhead power available at S. 1/2 of W. line, Sec. 2.
4. Kansas One Call System Inc. should be notified before excavation (1-800-344-7233).
5. CAUTION: Various pipelines in Sec. 2.
6. Contact landowner for best access.

ingress and egress to location as shown on this plan is for access only and may not be legally opened for public use. Contact landowner, relevant and county road department for access.



• Contouring data is based upon the best maps and photographs available to us and upon a regular section of land containing 360 acres.  
 • Substrate section lines were determined using the normal standards of care of oilfield surveyors operating in the State of Kansas. The section corners, which include the precise section lines were not necessarily located, and the exact location of the drill site location in the section is not guaranteed. Therefore, the operator securing this service and accepting this plan and all other parties, including themselves, shall hold Central Kansas Oilfield Services, Inc., the officers and employees harmless from all losses, costs and expenses and said activities released from any liability from incidents or consequential damages.  
 • Elevations derive from National Geodetic Vertical Datum.

Date January 24, 2012

CENTRAL KANSAS OILFIELD SERVICES, INC. (820)792-1977

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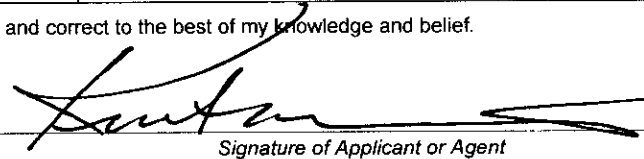
JAN 27 2012

KCC WICHITA

**KANSAS CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION  
APPLICATION FOR SURFACE PIT**

Form CDP-1  
May 2010  
Form must be Typed

*Submit in Duplicate*

Operator Name: <b>Deutsch Oil Company</b>		License Number: <b>3180</b>	
Operator Address: <b>8100 E. 22nd Street North, bldg. 600</b>		<b>Wichita Ks 67226</b>	
Contact Person: <b>Kent Deutsch</b>		Phone Number: <b>316-681-3567</b>	
Lease Name & Well No.: <b>Hertlein 1-2</b>		Pit Location (QQQQ): <u>SW - NE - NE - NE</u>	
Type of Pit: <input type="checkbox"/> Emergency Pit <input type="checkbox"/> Burn Pit <input type="checkbox"/> Settling Pit <input checked="" type="checkbox"/> Drilling Pit <input type="checkbox"/> Workover Pit <input type="checkbox"/> Haul-Off Pit <i>(If WP Supply API No. or Year Drilled)</i>		Pit is: <input checked="" type="checkbox"/> Proposed <input type="checkbox"/> Existing If Existing, date constructed: _____ Pit capacity: <b>600</b> (bbls)	
Is the pit located in a Sensitive Ground Water Area? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		Chloride concentration: _____ mg/l <i>(For Emergency Pits and Settling Pits only)</i>	
Is the bottom below ground level? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		Artificial Liner? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
How is the pit lined if a plastic liner is not used? <b>Mud (bentonite gel)</b>			
Pit dimensions (all but working pits): <u>100</u> Length (feet) <u>75</u> Width (feet)		<input type="checkbox"/> N/A: Steel Pits	
Depth from ground level to deepest point: <u>4</u> (feet)		<input type="checkbox"/> No Pit	
If the pit is lined give a brief description of the liner material, thickness and installation procedure.		Describe procedures for periodic maintenance and determining liner integrity, including any special monitoring.	
Distance to nearest water well within one-mile of pit: <u>1533</u> feet    Depth of water well <u>200</u> feet		Depth to shallowest fresh water <u>240 150</u> feet. Source of information: <input type="checkbox"/> measured <input type="checkbox"/> well owner <input type="checkbox"/> electric log <input checked="" type="checkbox"/> RDWR	
<b>Emergency, Settling and Burn Pits ONLY:</b> Producing Formation: _____ Number of producing wells on lease: _____ Barrels of fluid produced daily: _____ Does the slope from the tank battery allow all spilled fluids to flow into the pit? <input type="checkbox"/> Yes <input type="checkbox"/> No		<b>Drilling, Workover and Haul-Off Pits ONLY:</b> Type of material utilized in drilling/workover: <u>Drilling Mud</u> Number of working pits to be utilized: <u>4</u> Abandonment procedure: <u>Remove free fluids, allow to dry the backfill.</u> Drill pits must be closed within 365 days of spud date.	
I hereby certify that the above statements are true and correct to the best of my knowledge and belief.			
_____ Date		 Signature of Applicant or Agent	
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<b>KCC OFFICE USE ONLY</b>			
Date Received: <u>1-27-12</u>		Permit Number: _____	
Permit Date: <u>2-7-12</u>		Lease Inspection: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
<input type="checkbox"/> Liner		<input type="checkbox"/> Steel Pit	
<input checked="" type="checkbox"/> RFAC		<input checked="" type="checkbox"/> RFAS	

15-025-21538-0000

Conservation Division  
Finney State Office Building  
130 S. Market, Rm. 2078  
Wichita, KS 67202-3802



Phone: 316-337-6200  
Fax: 316-337-6211  
<http://kcc.ks.gov/>

Mark Sievers, Chairman  
Ward Loyd, Commissioner  
Thomas E. Wright, Commissioner

Sam Brownback, Governor

February 7, 2012

Deutsch Oil Company  
8100 E. 22<sup>nd</sup> St North Bldg. 600  
Wichita, KS 67226

Re: Drilling Pit Application  
Hertlein Lease Well No. 1-2  
NE/4 Sec. 02-30S-24W  
Clark County, Kansas

Dear Sir or Madam:

District staff has inspected the above referenced location and has determined that the reserve pit shall be constructed **without slots**, the bottom shall be flat and reasonably level, and the free fluids must be removed. The fluids are to be removed from the reserve pit as soon as the Hutchinson Salt section has been drilled through and displacement of the fluids into the reserve pit has occurred. The fluids should be removed again within 96 hours after drilling operations have ceased. Please keep pits away from any draws/drainage.

**If production casing is set all completion fluids shall be removed from the working pits daily. NO completion fluids or non-exempt wastes shall be placed in the reserve pit.**

The fluids should be taken to an authorized disposal well. Please call the District Office at (620) 225-8888 when the fluids have been removed. Please file form CDP-5 (August 2008), Exploration and Production Waste Transfer, within 30 days of fluid removal. Conservation division forms are available through our office and on the KCC web site:  
[www.kcc.state.ks.us/conservation/forms](http://www.kcc.state.ks.us/conservation/forms).

**A copy of this letter should be posted in the doghouse along with the approved Intent to Drill.** If you have any questions or concerns please feel free to contact the undersigned at the above address.

Sincerely,

Kathy Haynes  
Environmental Protection and Remediation Department

cc: File