Environmental Assessment

C & H Hog Farms Inc.

03-072xxxxx

USDA

Farm Service Agency
United States Department of Agriculture

September 26, 2012
COVER SHEET

Proposed Action: The USDA, Farm Service Agency is proposing to provide Guaranteed FO funding for the following purpose:
Purchase 23.43 Acres and Construction of a Swine Farrowing Barn and a Swine Gestation Barn.

Type of Document: Class II Environmental Assessment

Lead Agency: USDA/FSA

Sponsoring Agency: N/A

Cooperating Agencies: SHPO, FWS, USFS, ADEQ, NRCS, FEMA, NPS

Further Information: Martha Gafford, FLO, FSA, 2898 Point Circle Box 2, Fayetteville, AR 72704
Lonnie D. Ewing, FLM, Fayetteville, AR

Comments: This Environmental Assessment (EA) was prepared according to USDA FSA National Environmental Policy Act (NEPA) implementation procedures found in 7 CFR 1940 G, as well as the NEPA of 1969, Public Law 91-190, 42 U.S. Code3s 4321-4347, 1 January 1970,as amended. A copy of this EA can be found at the local FSA County Office.

Written comments regarding this assessment shall be submitted to the local FSA County Office.
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Executive Summary

1.0 Introduction:

The name and address of the producer proposing this action is C & H Hog Farms Inc. of P. O. Box 45, Vendor, Arkansas in Newton County Arkansas. This is a Guaranteed Loan with Farm Credit Services of Harrison, AR. C & H Hog Farms Inc. is made up of Richard Campbell, Mary Campbell, Phillip Campbell, Julie Campbell, Tara Henson and Jason Henson. They are purchasing 23.43 acres from E. G. Campbell and are constructing one 82 foot 6 inch X 337 feet 1 inch Swine Farrowing Barn and one 117 Ft. 6 inch X 421 feet 4 inch Swine Gestation Barn. The farm will consist of 478.93 acres. It presently has a Cargill Hog operation that will shut down when the new barns are in production.

1.1 Background
The project is designed to provide FO funding for a Guaranteed loan with Farm Credit Services.

1.2 Purpose and Need
Richard Campbell, Mary Campbell, Phillip Campbell, Julie Campbell, Tara Henson and Jason Henson of C & H Hog Farms Inc. will be the primary beneficiaries of the project. This facility will allow them to produce hogs for Cargill in an up to date facility in Newton County, in Arkansas. They will be providing an agricultural service that is in great demand. This facility will allow them to produce hogs for Cargill efficiently and in modern and up to date structures. It is FSA’s position that it is common knowledge that the local integrator, Cargill, has a need for hogs such as those that will be produced at this facility. This Guaranteed loan will also benefit Farm Credit Service of Western Arkansas. FSA’s involvement will negate some of Farm Credit’s risk associated with this loan.

1.3 Regulatory Compliance
1.4 Organization of EA

2.0 Description of Proposed Action and Alternatives

Alternative designs and alternative projects were not considered for the following reasons: Alternative locations and construction of new houses was not taken into consideration until they found this location to purchase. The location is in close proximity to the integrator’s feed mill and processing plant. The applicant wishes to produce hogs for Cargill, while living in a rural area.
2.1 Proposed Action

The project is designed to purchase 23.43 acres and to construct one farrowing barn and one swine gestation barn. This project is not located in a nutrient surplus area but public notices are required because there is construction and of the number of hogs to be placed. They will be placing 2500 hogs in this facility. This requires a Class II Environmental Assessment.

2.2 Alternatives

Alternate locations would not be favorable as the proposed location is in reasonable proximity to the feed mill and processing plant as well as the applicants residences. This is a rural area with numerous farms of comparable surrounding. The proposed project will eliminate any possible impact to the environment on an alternative location.

2.2.1 No Action Alternative
If the project is not completed, the community will lose the potential financial benefits of this project: (Integrator, utility companies, swine supply companies, etc.) In addition, as this tract is located in reasonable proximity to the feed mill (less than 100 miles).

2.2.2 Alternative A
Alternative projects were not considered due to this being the most favorable location.

2.2.3 Alternative B
Alternative projects were not considered.

2.3 Resources Eliminated from Analysis
Important Land Resources, Coastal Zone Management Areas, Coastal Areas, Coastal Barriers, and Sole Source Aquifers.

3.0 Affected Environment and Environmental Consequences

3.1 Biological Resources

3.1.1 Definition of Resource
Vegetation, wildlife, and protected species including threatened and endangered species and their designated critical habitat. Any endangered species in this area will not be harmed by complying with the Comprehensive Nutrient Management Plan.
3.1.2 Affected Environment
There will be no impact to wildlife and/or any threatened or endangered species based on a clearance determination by Arkansas Fish and Wildlife. Since there is construction all environmental regulations will be followed.

3.2 Water Resources
3.2.1 Definition of Resource
Floodplains, wetlands, surface water quality, sole source aquifers, and wild and scenic rivers.
There are no wetlands on this farm and a CNMP is to be followed to ensure water quality is maintained and ensure there are no adverse impacts.

3.2.2 Affected Environment
The potential impact to the environment will be eliminated by following the Waste Management Plan. Water quality will be protected by producer’s adherence to their CNMP. There is a rural water supply on the farm. A well is proposed for the farm. That will serve as a back-up water supply. This project is not located within a Sole Source Aquifer Recharge Area.

3.3 Cultural Resources
3.3.1 Definition of Resource
Properties created by man and generally more than 50 years of age.
3.3.2 Affected Environment
SHPO has issued a blanket clearance letter for existing operations.

3.4 Soil Resources
3.4.1 Definition of Resource
Highly Erodible Soils present within the area of impact.

3.4.2 Affected Environment
According to NRCS-CPA-026E, there are no Wetlands present on the farm.

3.5 Air Quality
3.5.1 Definition of Resource
Sources of air pollution which include stationary, mobile, and agricultural sources.

3.5.2 Affected Environment
The majority of emissions will come from swine litter. Compliance with the CNMP should keep emissions to a minimum. Motor vehicle traffic will only increase during construction then there will only be transportation of the
swine and feed. No tract of land involved in this proposal is located within an area protected by the Clean Air Act. ADEQ does not require permitting regarding air quality of non-industrial projects. Applicants should comply with CNMP for land application and storage.

3.6 Socioeconomics
3.6.1 Definition of Resource
Population, housing, income, and employment of the activity area.
3.6.2 Affected Environment
There will be no noticeable increase in population as a result of this proposal. There will be no impact to the area’s public and community services as there will be no significant increase to the population after completion of this project. This project will not have an impact on the income of nearby residents.

3.7 Environmental Justice
3.7.1 Definition of Resource
Impact to minority and low income populations
3.7.2 Affected Environment
There will be no impact on minority and low income populations as a result of this project.

3.8 Important Land Resources
3.8.1 Definition of Resource
Prime farmland, unique farmland, prime forestland, and prime rangeland.
3.8.2 Affected Environment
This project does not directly or indirectly convert any important land resources.

3.9 Wilderness Areas
3.9.1 Definition of Resources
Areas determined to be “wilderness” as defined by The Wilderness Act.
3.9.2 Affected Environment
This project is not located in a Wilderness Area (map attached)

3.10 Coastal Zone Management Areas
3.10.1 Definition of Resource
Lands, water, or natural resources located in the coastal zone.
3.10.2 Affected Environment
There are no Coastal Zone Management Areas in Arkansas

3.11 Coastal
3.11.1 Definition of Resource
Lands, waters, or natural resources located along the coast.
3.11.2 Affected Environment
There are no coastal areas in Arkansas
3.12 Barriers

3.12.1 Definition of Resource
Landforms that provide protection for diverse aquatic habitats and serve as the mainland’s first line of defense against the impacts of coastal storms and erosion.

3.12.2 Affected Environment
There are no coastal barrier systems in Arkansas

4.0 Cumulative Impacts
4.1 Introduction
This section of the assessment is dedicated to the review of the possible cumulative impacts the applicant’s proposed activity may present in the Newton County area.

4.2 Past, Present, and Reasonably Foreseeable Actions
To the knowledge of the preparer, the only past activity associated with the subject property was the building of the original two swine barns. Once construction is complete for the two new swine barns the old ones will not be in operation.

4.3 Cumulative Analysis
Based upon my review of the applicant’s proposal, the activity to be completed will not present a negative environmental impact, whether it be individually or cumulatively.

5.0 Mitigation Measures
Mitigation is not required at this time. Applicants will need to comply with their CNMP.

6.0 List of Preparers
Lonnie D. Ewing, Farm Loan Manager and Martha Gafford, FLO, FSA, 2898 Point Circle Box 2, Fayetteville, AR 72704

7.0 List of Persons and Agencies Contacted
Arkansas Historic Preservation Program, Department of Arkansas Heritage, United States Fish and Wildlife Service, Natural Resources Conservation Service, Arkansas Department of Environmental Quality, the Environmental Protection Agency, and the Arkansas National Resources commission.

8.0 References
See attached documentation.
D. Jr.

D. Jr.

Date (MM-DD-YYYY)

10/25/2012

Name of Preparer

Martha Gafford

Signature of Preparer

FLC

Title of Preparer

Tom Howard

Signature of Concurring Official

J.i. fu'r-Zf

Title of Concurring Official

SLC a{l': T

Signature of SEC

Date (MM-DD-YYYY)

/ltJ -- 1-; ltJ/d--
United States Department of Agriculture  
Farm Service Agency  

FINDING OF NO SIGNIFICANT IMPACT (FONSI)  
For  
Construction of 82’6” x 337’1” Swine Farrowing Barn and 1 117’6” X 421’4” Swine Gestation Barn for C & H Hog Farms Inc. located in S26, T15N, R20W in Newton County, Arkansas.

The United States Department of Agriculture, Farm Service Agency (FSA) has prepared a Final Environmental Assessment (EA) to evaluate the environmental consequences associated with construction of 82’6” x 337’1” swine farrowing barn and 1 117’6” X 421’4” swine gestation barn for C & H Hog Farms, Inc. located in S26, T15N, R20W in Newton Co., Arkansas.

The purpose of this action is to allow C & H Hog Farms, Inc. to produce hogs for Cargill in up-to-date structures in Newton County, AR.

Proposed Action

The proposed action is to construct a 82’6” x 337’1” swine farrowing barn and 1 117’6” X 421’4” swine gestation barn. In consideration of the analysis documented in the Class II EA and the reasons outlined in this FONSI, the preferred alternative would not constitute a major State or Federal action that would significantly affect the human environment. Therefore, an Environmental Impact Statement will not be prepared. The determination is based on the following:

1. Both beneficial and adverse impacts of implementing the preferred alternative have been fully considered within the EA. The beneficial impacts outweigh any adverse impacts. Adverse cumulative impacts are expected to be minor as implementation of the preferred alternative will cause very little if any adverse impact on the area of potential effect and the human environment.

2. The preferred alternative would not significantly affect public health or safety.

3. The preferred alternative would not significantly affect any unique characteristics which includes historic and cultural resources, parklands, prime farmlands, wetlands, wild and scenic rivers, or ecologically critical areas.

4. The preferred alternative does not involve effects to the quality of the human environment that are likely to be highly controversial.

5. The preferred alternative would not impose highly uncertain or involve unique or unknown risks.

6. The preferred alternative would not establish a precedent for future actions with significant effects and does not represent a decision in principle about a future consideration.

7. The preferred alternative is not related to other actions with individually insignificant but cumulative significant impacts. The Environmental Consequences section of the Environmental Assessment discusses potential cumulative impacts of implementing the preferred alternative. Cumulative impacts of implementing the preferred alternative were determined to not be significant.

8. The preferred alternative would not adversely affect districts, sites, highways, structures, or objects listed in or eligible for listing in the National Register of Historic Places or cause loss or destruction of significant scientific, cultural, or historical resources. Consultation with the State Historic Preservation Office was completed.

9. The preferred alternative would not have adverse effects on threatened or endangered species or designated critical habitat. In accordance with section 7 of the Endangered Species Act, the effects of implementing the preferred alternative on threatened and endangered species and designated critical habitat were addressed in the Environmental Assessment. Informal consultation with the U.S. Fish Wildlife Service was completed.

10. The preferred alternative does not threaten a violation of Federal, State, or local law or requirements imposed for the protection of the environment.
Determination:
In accordance with the National Environmental Policy Act and FSA’s Environmental regulations at FSA Handbook 1EQ implementing the regulations of the Council on Environmental Quality, 40 CFR parts 1500-1508, I find that neither the proposed action nor any of the alternatives is a major Federal action significantly affecting the quality of the human environment. Therefore, no environmental impact statement will be prepared.

Approved:  

Signature  

Date  

8-24-12

Lonnie D. Ewing

Name:

FLM

Title

The U.S. Department of Agriculture (USDA) prohibits discrimination in all its programs and activities on the basis of race, color, national origin, age, disability, and where applicable, sex, marital status, familial status, parental status, religion, sexual orientation, genetic information, political beliefs, reprisal, or because all or part of an individual's income is derived from any public assistance program. (Not all prohibited bases apply to all programs.) Persons with disabilities who require alternative means for communication of program information (Braille, large print, audiotape, etc.) should contact USDA's TARGET Center at (202) 720-2600 (voice and TDD). To file a complaint of discrimination, write to USDA, Director, Office of Civil Rights, 1400 Independence Avenue, S.W., Washington, D.C. 20250-9410, or call (800) 795-3272 (voice) or (202) 720-6382 (TDD). USDA is an equal opportunity provider and employer.
Items required for a Class II Environmental Assessment

- 1EQ Exhibit 21 (an example is available on the Arkansas Intranet);
- Running Record documentation regarding protected resources (an example is available on the Arkansas Intranet);
- Form RD 1940-20 “Request for Environmental Information” with Exhibit attached. Refer to FMI for items to be addressed in the Exhibit;
- Form FSA-851 “Environmental Risk Survey” of all real estate taken as security (unless a Form FSA-851 has been completed within the last year);
- Location map/legal description/detailed driving directions;
- FEMA Form 81-93, “Standard Flood Hazard Determination” or Flood Plain map with property clearly designated;
- Current AD-1026 “HEL and Wetland Conservation Certification” completed and signed by each applicant;
- CPA-026-E “Highly Erodible Land and Wetland Conservation Determination” completed on all land (tracts greater than 5 acres) offered as real estate security or leased as part of the farming operation that has or will have improvements/developments;
- Aerial photo that indicates the wetland determinations (NW, NI, FWP, AW, etc.) and shows the location of existing and/or planned improvements/developments;
- Verification of current year’s ARRC Registration (for proposals involving poultry);
- Clearance letter from National Fish and Wildlife Service (for proposals involving land disturbance);
- Clearance letter from Arkansas Office of Historic Preservation (for proposals involving land disturbance);
- Comprehensive Nutrient Management Plan (CNMP) or written documentation from NRCS that a plan has been requested (for proposals involving confined animal operations);
- Storm Water Permit (for proposals involving land disturbance);
- Public Notification (for proposals involving land disturbance). Refer to Arkansas Exhibit 4 for additional guidance. Examples can be found on the Arkansas Intranet.
1. During the application processing, publish the draft “Notice of Availability” (NOA) with a 15-day comment period 3 times in a daily newspaper or 2 times in a weekly newspaper;

2. Upon completion of the Class 2 and a finding that proposal has no potential to impact the environment, prepare a FONSI and publish the final “Notice of Availability” (NOA), with a 15-day comment period 3 times in a daily newspaper or 2 times in a weekly newspaper.

3. When the comment period has expired and no comments have been received, forward the entire Class 2 EA with attached documentation, including the published NOA’s, to the SEC for approval of the EA.

Part 3 – Due Diligence

FSA Handbook 2-EQ, Par. 13A provides guidelines for conducting due diligence. Due diligence must be completed on all real property being offered as basic or additional security to determine the presence of hazardous substances and to accurately determine market/security values. FSA will conduct due diligence for the following:

1. Initial or subsequent direct loan making
2. Initial or subsequent guaranteed loan making
3. Certain direct servicing actions, including transfers and assumptions
4. Debt restructuring involving new or additional security being offered
5. Debt for Nature Contracts
6. Acquisition of real property

Note: A limited due diligence review does not replace FSA’s responsibility to also complete a due diligence review, which is, at a minimum, completion of Form FSA-851 by FSA authorized personnel.

Due Diligence Process

- FSA-851
- Phase I and/or II Environmental Site Assessment

FSA-851 is defined as the initial level of inquiry evaluating the environmental condition of potential security for the presence of contamination in the two-step, due diligence process. Phase I and/or II EBSA’s will only be completed as needed to clarify issues raised by FSA-851.

Loan Officers, Loan Managers, Farm Loan Specialists, CED’s and DD’s who have received training are authorized to complete FSA-851. A qualified environmental professional will complete Phase I and II ESA’s.

Preparers of Form FSA-851 should refer to Handbook 2EQ, Exhibit 5 for guidance in completing this form, as well as utilizing the following websites to determine presence of environmental hazards.
D Review Process

The following provides an overview of the floodplain review process.
D Review Process

The following provides an overview of the sole source aquifer review process.

Is the the proposed project area a sole source aquifer?

- YES
- NO

Will proposed action potentially contaminate aquifer?

- YES
- NO

Are there alternatives to the proposed action that would eliminate the contamination?

- YES
- NO

Coordinate proposed action with Regional EPA

Implement recommended mitigation measures

Sole source aquifer review complete
D Review Process

The following provides an overview of the wild and scenic river review process.

1. Are there listed or proposed for listing Wild and Scenic Rivers near the proposed activity?
   - YES
   - NO

2. Will the proposed activity:
   - Be located within 1/4 mile of banks of river?
   - Involve withdrawing water or discharging to the water?
   - Be visible from the river?
   - NO

3. Consult with regional NPS

4. Incorporate recommended mitigation or changes prior to approval of activity

Wild and scenic river assessment complete
This form is available electronically.

FSA-2212
"2-31-07"

U.S. DEPARTMENT OF AGRICULTURE
Farm Service Agency

PREFERRED LENDER APPLICATION FOR GUARANTEE

INSTRUCTIONS TO LENDER: LOAN APPLICANT WILL COMPLETE PARTS A, B AND C. LENDER WILL COMPLETE PARTS D THROUGH F.

PART A: APPLICANT INFORMATION

<table>
<thead>
<tr>
<th>1. APPLICANT’S NAME</th>
<th>2. CO-APPLICANTS NAME</th>
</tr>
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<tbody>
<tr>
<td>CAT Hoa Farms Inc.</td>
<td>Jason Hassen, Tim Hassen, Phil Campbell, Julie Campbell</td>
</tr>
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<tr>
<th>3. APPLICANT’S TELEPHONE NUMBER</th>
<th>4. APPLICANT’S ADDRESS</th>
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<tr>
<td></td>
<td>HC 72 Box 10, Mt. Jude, AR 72655</td>
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<th>5. APPLICANT’S DATE OF BIRTH</th>
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<th>7. APPLICANT’S MARITAL STATUS</th>
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<th>9. TYPE OF OPERATION</th>
<th>10. APPLICANT’S BIRTH DATE</th>
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<td>LLC</td>
<td>27 years</td>
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11. ACRES OWNED

12. ACRES RENTED

PART B: LOAN APPLICANT CERTIFICATIONS

RIGHT TO FINANCIAL PRIVACY ACT OF 1978

FSA has a right of access to financial records held by financial institutions in connection with providing assistance to you, as well as collecting on loans made to you or guaranteed by the government. Financial records involving your transaction will be available to FSA without further notice or authorization but will not be disclosed or released by FSA in its discretion in such manner as to reveal your current or past credit history.

THE FEDERAL EQUAL CREDIT OPPORTUNITY ACT prohibits credit discriminations against applicants on the basis of race, color, religion, sex, national origin, marital status, age or any other condition not related to present ability to repay.

RESTRICTIONS AND DISCLOSURE OF LOBBYING ACTIVITIES

1. The loan applicant certifies that he or she or any member of the loan applicant’s household, has not employed or engaged in any lobbying activity that is prohibited by law or regulation.

2. The loan applicant shall comply with the requirements of the Federal Election Commission, as well as any applicable state and local laws.

3. The loan applicant shall disclose any political contributions or expenditures that exceed $1,000 during the current calendar year.

ABUSE OF CONTROLLED SUBSTANCES

The loan applicant certifies that he or she or any member of the loan applicant’s household, has not been convicted under federal or state law of manufacturing, distributing, dispensing, cultivating, growing, selling, importing, exporting, delivering, using, or acquiring a controlled substance.

FEDERAL DEBT

The loan applicant certifies that he or she or any member of the loan applicant’s household, is not delinquent on a federal debt.

ACKNOWLEDGMENT

I certify that I have read and understood the conditions stated herein. I certify that the signature(s) below are true, complete, and correct to the best of my knowledge and belief and that I agree to the terms and conditions of this application as set forth herein. I understand that the 10-day noncompete period shall not begin until such time as the application has been filed. (This information is false on the application is subject to civil and criminal penalties.)

1. APPLICANT’S SIGNATURE: Jason Hassen, President
2. CO-APPLICANT’S SIGNATURE: Jana Hassen
3. DSS. DATE: 9-21-12
4. CO-APPLICANT’S DSS. DATE: 12-11-12
ATTACHMENT A to Class 1 or Class 2 Assessment

I have prepared a Class 2 Environmental Assessment for (name of applicant). Based on my review of applicable websites, maps, etc., the following was determined:

a. No wetlands are affected by the proposed action.
b. No floodplains with existing structures are located on the proposed site or affected by the proposed actions.
c. No floodplains without existing structures will be affected by the proposed actions.
d. There are no wilderness areas located on the proposed site or affected by the proposed action.
e. There are no Wild and Scenic Rivers located on the proposed site or affected by the proposed action. (see attached list of rivers as necessary)
f. There are no historical, archeological sites listed on the National Register of Historic Places or which may be eligible for listing that are located on the proposed site(s) or affected by the proposed action(s), (see attached SHPO clearance letter).
g. There is no critical habitat or endangered/threatened species located on the proposed site, located within the action’s area of impact, or affected by the proposed action (see attached F&W clearance letter).
h. There are no coastal barrier resources systems in Arkansas.
i. There are no Natural Landmarks listed on the National Registry of Natural Landmarks located on the proposed site or affected by the proposed action.
j. While there are most likely important farmlands, as identified by NRCS soil classifications located on the proposed site, they are not adversely affected by the proposed action and no prohibited conversion of important farmlands is planned.
k. There are no prime forest lands, prime rangeland, approved coastal zone management areas in Arkansas.
l. There are no sole source aquifer recharge areas located in Arkansas.
m. The State Water Quality Standard will not be affected by the proposed action if all litter/dead birds are disposed of in accordance with the CNMP.
n. ENVIRONMENTAL JUSTICE - The farming operation under consideration is an existing operation that has been in place for several years. The property is located in a rural area with limited development opportunities. The proposed action is not likely to cause any adverse effects to low-income or minorities in the immediate area in the foreseeable future.
o. There are no EPA CERCLIS or NPL sites located within 1 mile of the project.
p. The Clean Air Act does not apply as ADEQ does not require permitting regarding air quality of non-industrial projects.

Martha Gafford, F-60

NAME/TITLE

9/26/2012

DATE
REQUEST FOR ENVIRONMENTAL INFORMATION

Item 1a. Has a Federal, State, or Local Environmental Impact Statement or Analysis been prepared for this project?  
K Yes ☐ No ☐ Copy attached as EXHIBIT I-A.

1b. If “No,” provide the information requested in Instructions as EXHIBIT I.

Item 2. The State Historic Preservation Officer (SHPO) has been provided a detailed project description and has been requested to submit comments to the appropriate Rural Development Office.  ☑ Yes ☐ No Date description submitted to SHPO

Item 3. Are any of the following land uses or environmental resources either to be affected by the proposal or located within or adjacent to the project site(s)? (Check appropriate box for every item of the following checklist).

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<thead>
<tr>
<th>Yes</th>
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<td>6. Mining, Quarrying.............................</td>
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<td>10. Parks..............................................</td>
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</tr>
<tr>
<td>11. Hospital..........................................</td>
<td>☛</td>
<td>☛</td>
<td>☛</td>
<td>☛</td>
<td>☛</td>
</tr>
<tr>
<td>12. Schools............................................</td>
<td>☛</td>
<td>☛</td>
<td>☛</td>
<td>☛</td>
<td>☛</td>
</tr>
<tr>
<td>13. Open spaces......................................</td>
<td>☛</td>
<td>☛</td>
<td>☛</td>
<td>☛</td>
<td>☛</td>
</tr>
<tr>
<td>14. Aquifer Recharge Area..........................</td>
<td>☛</td>
<td>☛</td>
<td>☛</td>
<td>☛</td>
<td>☛</td>
</tr>
<tr>
<td>15. Steep Slopes......................................</td>
<td>☛</td>
<td>☛</td>
<td>☛</td>
<td>☛</td>
<td>☛</td>
</tr>
<tr>
<td>16. Wildlife Refuge.................................</td>
<td>☛</td>
<td>☛</td>
<td>☛</td>
<td>☛</td>
<td>☛</td>
</tr>
<tr>
<td>17. Shoreline..........................................</td>
<td>☛</td>
<td>☛</td>
<td>☛</td>
<td>☛</td>
<td>☛</td>
</tr>
<tr>
<td>18. Beaches............................................</td>
<td>☛</td>
<td>☛</td>
<td>☛</td>
<td>☛</td>
<td>☛</td>
</tr>
<tr>
<td>19. Dunes..............................................</td>
<td>☛</td>
<td>☛</td>
<td>☛</td>
<td>☛</td>
<td>☛</td>
</tr>
<tr>
<td>20. Estuary............................................</td>
<td>☛</td>
<td>☛</td>
<td>☛</td>
<td>☛</td>
<td>☛</td>
</tr>
<tr>
<td>21. Wetlands..........................................</td>
<td>☛</td>
<td>☛</td>
<td>☛</td>
<td>☛</td>
<td>☛</td>
</tr>
<tr>
<td>22. Floodplain........................................</td>
<td>☛</td>
<td>☛</td>
<td>☛</td>
<td>☛</td>
<td>☛</td>
</tr>
<tr>
<td>23. Wilderness........................................ (designated or proposed under the Wilderness Act)</td>
<td>☛</td>
<td>☛</td>
<td>☛</td>
<td>☛</td>
<td>☛</td>
</tr>
<tr>
<td>24. Wild or Scenic River............................ (proposed or designated under the Wild and Scenic Rivers Act)</td>
<td>☛</td>
<td>☛</td>
<td>☛</td>
<td>☛</td>
<td>☛</td>
</tr>
<tr>
<td>25. Historical, Archeological Sites................. (Listed on the National Register of Historic Places or which may be eligible for listing)</td>
<td>☛</td>
<td>☛</td>
<td>☛</td>
<td>☛</td>
<td>☛</td>
</tr>
<tr>
<td>26. Critical Habitats.................................. (endangered/threatened species)</td>
<td>☛</td>
<td>☛</td>
<td>☛</td>
<td>☛</td>
<td>☛</td>
</tr>
<tr>
<td>27. Wildlife..........................................</td>
<td>☛</td>
<td>☛</td>
<td>☛</td>
<td>☛</td>
<td>☛</td>
</tr>
<tr>
<td>28. Air Quality.......................................</td>
<td>☛</td>
<td>☛</td>
<td>☛</td>
<td>☛</td>
<td>☛</td>
</tr>
<tr>
<td>29. Solid Waste Management..........................</td>
<td>☛</td>
<td>☛</td>
<td>☛</td>
<td>☛</td>
<td>☛</td>
</tr>
<tr>
<td>30. Energy Supplies..................................</td>
<td>☛</td>
<td>☛</td>
<td>☛</td>
<td>☛</td>
<td>☛</td>
</tr>
<tr>
<td>31. Natural Landmark................................ (Listed on National Registry of Natural Landmarks)</td>
<td>☛</td>
<td>☛</td>
<td>☛</td>
<td>☛</td>
<td>☛</td>
</tr>
<tr>
<td>32. Coastal Barrier Resources System...............</td>
<td>☛</td>
<td>☛</td>
<td>☛</td>
<td>☛</td>
<td>☛</td>
</tr>
</tbody>
</table>

Item 4. Are any facilities under your ownership, lease, or supervision to be utilized in the accomplishment of this project, either listed or under consideration for listing on the Environmental Protection Agency's List of Violating Facilities?  ☑ Yes ☐ No

7/24/12  
(Date)

Signed: JASON CLERCE  
(Applicant)

President  
(Title)

According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0575-0094. The time required to complete this information collection is estimated to average 6 to 10 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.
ENVIRONMENTAL ASSESSMENT
ATTACHMENT TO 1940-20

1. **Primary Beneficiaries**

   The primary beneficiaries are loan applicants C & H Hog Farms Inc., Jason and Tana Henson, Phillip and Julie Campbell, and Richard and Mary Campbell. Additional beneficiaries are local utility services, and local farm and non-farm businesses.

2. **Area Description**

   The farm consists of 478.93 acres which are allocated as 126 acres of pasture, 342.43 acres of woods, 8 acres of site and 2 acres road and waste. It presently includes a Cargill hog operation which will be shut down 16 months after construction is complete on the new farm. The new operation will be located on county gravel road in Section 26, Township 15 North, Range 20 West. This area is rural and mainly beef cattle operations are located within the immediate area.

**Environmental Justice**

Based on 2002 Census, the immediate area is composed of approximately 99% Caucasian, .56% American Indian, 18%, and .06% Asian, and .09% from other races. Most families are low to middle income. The population is primarily middle aged. Since swine farms are not common in this area and there is primarily only one race, this project should not have any adverse impact on race.

3. **Air Quality**

   The primary source of emissions are as it relates to this project are from the production of swine litter. Compliance with the CNMP should keep emissions to a minimum. The 23 acre tract does not lie within an area protected by the Clean Air Act. ADEQ does not require permitting regarding air quality of non-industrial projects.

4. **Water Quality**

   The potential for impact to water quality is limited to waste management. Adherence to the CNMP will aid in the protection of water quality. Strict compliance with the approved CNMP will prevent impact to ground water and
surface water. This project is not located within a Sole Source Aquifer Recharge area.

5. **Solid Waste Management**

ADEQ has prepared a CNMP. Litter produced will be handled in the form of wet and dry litter and in accordance with the approved CNMP. Litter is not anticipated to be used on site and will be disbursed within the guidelines of the CNMP. Tract is located within a Nutrient Surplus Area thereby requiring an ADEQ CAFO permit.

6. **Transportation**

Transportation will not be affected by this project. Farm is located on county gravel road suitable for the types of vehicles normally used in swine production. These vehicles include tractor trailers for feed delivery and animal hauling. No new traffic patterns will result with completion of this project. This area is not in an area protected by the Clean Air Act.

7. **Noise**

Noise is not relevant to the proposed facility. It appears the requirements of the Noise Control Act of 1972 are met.

8. **Historic/Archaeological Properties**

There are no structures on the property that are listed on the National Register of Historic Places, no structures considered to be eligible for listing in the National register, or no structures considered to be of local and/or state significance.

9. **Wildlife and Endangered Species**

There is no known wildlife resource located in the project area or immediate vicinity. There are no known endangered or threatened species or habitat in the project area or its immediate vicinity.

10. **Energy Impacts**

The operation will have minimal direct and indirect impact on energy usage and the area's energy supplies. Electricity, propane, and natural gas are readily available in the area.

11. **Construction**

C&H Farms will use best management practices to avoid soil erosion around the swine facilities where advisable.
12. **Toxic Substances**

No toxic substances will be utilized or produced by the project beneficiaries and facilities.

13. **Public Reaction**

Class 2 assessment is being completed and notice of no significant impact will be published as required.

14. **Alternatives to the Proposed Project**

“No project” is not an alternative as applicants wish to produce hogs for Cargill Pork while living in a rural setting. “No action” is not a viable alternative.

15. **Cumulative Effects**

Cumulative impacts from litter and dead pig disposal will be minimized and are addressed in the CNMP. This proposal will have no effect on Historical/Cultural properties or Threatened/Endangered species as no construction is planned. The proposal is not located in an area protected by the Clean Air Act. The requirements of the Noise Control Act of 1972 are met.

16. **Permits**

The farm owner’s have obtained or will obtain a CAFO permit.

17. **Other Federal Actions**

There are no other federal programs or actions that are related to this project. Furthermore, no request for federal program assistance in the immediate general area is being made or considered at this time.
ENVIRONMENTAL RISK SURVEY FORM

PART A - SITE INFORMATION
1. Site Name
   C & H Hog Farms
2. Address (Include City, State, Zip Code and County)
   Mt. Sudan, AK
3. Case Number
   45-5138964
4. Township
   15
5. Range
   20
6. Section
   26
7. Directions to property (from nearest town)
   3 mi. south of Mt. Sudan
8. Nearest Intersection
   (Streets or roads)
9. Property Size
   23.43 acres, wooded

PART B - SITE OWNERSHIP HISTORY AND BACKGROUND
11A. Current Owner
   E G Campbell
   Since: 94
11B. Current Operator
   E G Campbell
12. Previous owner(s):
   A. Name:
   B. Dates owned:

TABLE 1 - Buildings or Other Structures. Insert the appropriate map symbol from Part F in column B

A. Type of Structure
B. Map Symbol
D. Used for Chemical Storage or Mixing
E. Contains Lead Based Paint
F. Contains Asbestos

Questions 15 through 22 are used to establish the present use of the property as well as any historical use which may be a contributing factor in any present contamination concerns.

FCS ENV. INSPECTION ATTACHED
To 118.5 Ac. Trace
19. Has a gasoline station or any other commercial activity that stored large amounts of solvents, pesticides or other chemicals ever operated on the property?

20. Has a gasoline station or any other commercial activity that stored large amounts of solvents, pesticides or other chemicals ever operated on any adjoining property?

21. Has the property ever been used as a junkyard or landfill including a site where drums or other containers of chemicals were buried?

22. Have any adjoining properties ever been used as a junkyard or landfill including a site where drums or other containers of chemicals were buried?

23. Are there any USTs on the property which have been permanently closed?

24. Are there any environmental fines or judgments filed against the property as a result of not complying with Federal or State environmental laws?

25. Is the property involved in any lawsuits regarding environmental compliance issues?

26. Are there any chemical containers including 55-gallon drums used for pesticides or other hazardous substances located on the property?

27. Are there any abandoned or discarded automotive, tractor, farm machinery, industrial, or other batteries present on the property?

28. Are there any appliances, junk automobiles, tractors, farm machinery, abandoned tires, or other automobile or tractor related parts present on the property?

### TABLE 2 - Containers or Drums

<table>
<thead>
<tr>
<th>A. Container Location</th>
<th>B. Map Symbol</th>
<th>C. Container Contents</th>
<th>D. EPA Reg. (if available)</th>
<th>E. Estimated Quantity</th>
<th>F. is the Container Leaking?</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### TABLE 3 - Batteries

<table>
<thead>
<tr>
<th>A. Location of Batteries</th>
<th>B. Map Symbol</th>
<th>C. Estimated Quantity</th>
<th>D. Are Any of the Batteries Leaking?</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### TABLE 4 - Abandoned Machinery, Tires or Other Equipment

<table>
<thead>
<tr>
<th>A. Location of Appliances, Machinery, Tires or Parts</th>
<th>B. Map Symbol</th>
<th>C. Estimated Quantity</th>
<th>D. Type of Tires or Parts</th>
</tr>
</thead>
</table>
29. Are there any signs of fill dirt present on the property which might indicate covering of contaminants? If "YES", provide the location and map symbol: 

30. Are there any areas of stained soil on the property? If "YES", provide the location and map symbol, and appropriate size. Also attach photographs.

31. Are there any areas of the property such as floors in buildings which are stained? If "YES", provide the location and map symbol for the affected buildings.

32. Are there any electrical transformers located on the property which are not labeled as "PCB Free"? If "YES", provide the location and map symbol.

33. Does the property contain any USTs or above ground storage tanks (ASTs) currently in operation or which have been temporarily closed? If "YES", complete TABLE 5.

TABLE 5 - Storage Tanks. Insert the appropriate map symbol from Part F in column C.

<table>
<thead>
<tr>
<th>A. Tank Location</th>
<th>B. Size if known</th>
<th>C. Map Symbol</th>
<th>D. What Type</th>
<th>E. If UST, Is it Registered?</th>
<th>F. Does the Tank Contain Any Substance?</th>
<th>G. If &quot;YES&quot;, What Substance</th>
<th>H. Is the Tank Known to be Leaking?</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>&lt;ast&gt;</td>
<td>&lt;no&gt;</td>
<td>Unknown</td>
<td>&lt;yes&gt;</td>
</tr>
</tbody>
</table>

PART D - WATER AND WASTE INFORMATION

34. Are there any lagoons, ponds or other liquid holding facilities present on the property?

[ ] YES [ ] NO [ ] Unknown If "YES", complete TABLE 6.

TABLE 6 - Lagoons, Ponds or Other Holding Facilities. Insert the appropriate map symbol from Part F in column C.

<table>
<thead>
<tr>
<th>A. Lagoon, Pond, or Other Location</th>
<th>B. Size</th>
<th>C. Map Symbol</th>
<th>D. Primary Use</th>
<th>E. Condition</th>
<th>F. Permitted or Registered</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Proposed Waste Lagoon</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Existing Waste Lagoon</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
**TABLE 7 - Wells. Insert the appropriate map symbol from Part F in column B.**

<table>
<thead>
<tr>
<th>A. Location of Well</th>
<th>B. Map Symbol</th>
<th>C. Use 1/</th>
<th>D. Depth</th>
<th>E. Described Condition of Well and Casing</th>
<th>F. Construction</th>
</tr>
</thead>
<tbody>
<tr>
<td>A Well Proposed</td>
<td></td>
<td>D I O A</td>
<td></td>
<td>Good</td>
<td>Fair</td>
</tr>
</tbody>
</table>

* "D" - Domestic  "I" - Irrigation  "O" - Other  "A" - Abandoned

38. If applicable, is there evidence of well or contamination such as signs of using an area immediately adjacent to the well(s) listed in TABLE 7 for the filling of spray tank(s)?

<table>
<thead>
<tr>
<th>YES</th>
<th>NO</th>
<th>Unknown</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

39. Is there any evidence or do you have prior knowledge that contaminants have been identified in either a well or water system with levels that exceed regulatory acceptable levels?

<table>
<thead>
<tr>
<th>YES</th>
<th>NO</th>
<th>Unknown</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

40. If drinking water is not obtained from a groundwater source on the property, where does the supply come from?

Will be drilling a well

41. If a residence is located on the property, what type of waste or septic system is used? Describe condition of such system along with distance of system from any drinking water sources:

N/A

**PART E - RECORDS SEARCH**

<table>
<thead>
<tr>
<th>40. Are there any National Priority List (NPL) sites within 1 mile of the property?</th>
<th>YES</th>
<th>NO</th>
</tr>
</thead>
<tbody>
<tr>
<td>41. Are there any Comprehensive Environmental Response, Compensation, and Liability Information System (CERCLIS) sites located within .5 mile of the property?</td>
<td></td>
<td></td>
</tr>
<tr>
<td>42. Are there any sites listed by the State within 1 mile of the property which are equivalent to NPL sites?</td>
<td></td>
<td></td>
</tr>
<tr>
<td>43. Based on State maintained data, are there any Leaking Underground Storage Tanks (UST) within 1 mile of the property?</td>
<td></td>
<td></td>
</tr>
<tr>
<td>44. Based on State maintained data, are there any solid waste landfill sites located within 1 mile of the property?</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
PART F - VISUAL REPRESENTATION OF PROPERTY - In lieu of a sketch, the preparer may attach an aerial photograph with boundaries and areas of concern identified and/or multiple site photographs documenting/supporting form answers.

Legend and Map Symbols:

<table>
<thead>
<tr>
<th>Symbol</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>U</td>
<td>UST</td>
</tr>
<tr>
<td>A</td>
<td>AST</td>
</tr>
<tr>
<td>R</td>
<td>Residence</td>
</tr>
<tr>
<td>B</td>
<td>Building</td>
</tr>
<tr>
<td>ST</td>
<td>Septic Tank and System</td>
</tr>
<tr>
<td></td>
<td>Creek, stream, river</td>
</tr>
<tr>
<td>===</td>
<td>Public road</td>
</tr>
<tr>
<td>CM</td>
<td>Cemetery</td>
</tr>
<tr>
<td></td>
<td>Private road or driveway</td>
</tr>
<tr>
<td>BT</td>
<td>Batteries</td>
</tr>
<tr>
<td>T</td>
<td>Tires</td>
</tr>
<tr>
<td>&lt;</td>
<td>Barrel or drum</td>
</tr>
<tr>
<td>++++</td>
<td>Railroad</td>
</tr>
<tr>
<td>PL</td>
<td>Pond or lagoon</td>
</tr>
<tr>
<td>D</td>
<td>Dump or other possibly contaminated site</td>
</tr>
<tr>
<td>GB</td>
<td>Grain bin or silo</td>
</tr>
<tr>
<td>WD</td>
<td>Well-Drinking Water</td>
</tr>
<tr>
<td>WI</td>
<td>Well-Irrigation</td>
</tr>
<tr>
<td>WO</td>
<td>Well-Other</td>
</tr>
<tr>
<td>WA</td>
<td>Well-Abandoned</td>
</tr>
<tr>
<td>SS</td>
<td>Stained Soil</td>
</tr>
<tr>
<td>W</td>
<td>Wetland</td>
</tr>
<tr>
<td>†</td>
<td>Transformer</td>
</tr>
<tr>
<td>C</td>
<td>Containers</td>
</tr>
</tbody>
</table>
I have reviewed the documents in the case file and have made a site inspection. The result of this site inspection is:

- [ ] 1. Evidence of contamination was found or observed on the property and further evaluation through a Phase II ESA is recommended.
- [ ] 2. The preliminary environmental assessment results were found to be inconclusive and further evaluation through a Phase II ESA is recommended.
- [ ] 3. Evidence of contamination was found but was not noted to be significant to require further evaluation.
- [ ] 4. No evidence of contamination was found or observed and no further evaluation is needed.

To the best of my knowledge, the above statement and facts are true and correct, and to the best of my knowledge, no facts or information have been misrepresented or omitted:

5. Signature of Preparer

6. Date

7. Printed Name of Preparer

<table>
<thead>
<tr>
<th>8. Title of Preparer and Agency or Lender</th>
<th>9. Address (Zip Code)</th>
<th>10. Telephone Number (Area Code)</th>
</tr>
</thead>
<tbody>
<tr>
<td>[ ] M</td>
<td>2898 W. 10th Ave</td>
<td>479.521.4520</td>
</tr>
</tbody>
</table>

PART H - UPDATE INFORMATION

1. For Update 1:

   A. Date Updated
   B. Updated by:
   C. Title
   D. Agency/Lender

2. For Update 2:

   A. Date Updated
   B. Updated by:
   C. Title
   D. Agency/Lender

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ENVIRONMENTAL RISK SURVEY FORM

PART A - SITE INFORMATION

1. Site Name: Jason Henson
2. Address (include City, State, Zip Code and County):
   H c 77, 26x16
   Mt. Judee AR 72655
3. Case Number:
   CE91
   45-51-96 Y
4. Township: 15
5. Range: 26
6. Section: 25 43 6
7. Directions to property: (From nearest town)
   1 mile SE from Mt. Judee AR
8. Nearest Intersection:
   Hwy 74
   Neave CD
9. Property Size: 118.50 ac
10. Describe the current use of the property:
    Livestock

PART B - SITE OWNERSHIP HISTORY AND BACKGROUND

11A. Current Owner: Jason Henson
11B. Current Operator: Jason Henson
12. Previous owner(s):
   A. Name: Jerry Kent
   B. Dates owned:
      Purchase 7-9-05
      7-26-12 Potential
      8-1-12 Inspect

PART C - SITE DATA

14. Are there any buildings on the property? [YES] [NO] If "YES", complete Table 1.

TABLE 1 - Buildings or Other Structures. Insert the appropriate map symbol from Part F in column B

<table>
<thead>
<tr>
<th>A. Type of Structure</th>
<th>B. Map Symbol</th>
<th>C. Year Built</th>
<th>D. Used for Chemical Storage and or Mixing</th>
<th>E. Contains Lead Based Paint</th>
<th>F. Contains Asbestos</th>
</tr>
</thead>
<tbody>
<tr>
<td>Well</td>
<td>Labelled</td>
<td>2006</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Questions 15 through 22 are used to establish the present use of the property as well as any historical use which may be a contributing factor in any present contamination concerns.

15. Has the property ever been used for industrial production such as a machine shop?
   [YES] [NO] [Unknown]

16. Have any adjoining properties been used for industrial production such as a machining shop?
   [YES] [NO] [Unknown]

17. Has the property ever been used for the production or exploration of petroleum?
   [YES] [NO] [Unknown]
   [YES] [NO] [Unknown]

Has old Rock Quarry & Hughesite of Lime
19. Has a gasoline station or any other commercial activity that stored large amounts of solvents, pesticides or other chemicals ever operated on the property?

20. Has a gasoline station or any other commercial activity that stored large amounts of solvents, pesticides or other chemicals ever operated on any adjoining properties?

21. Have any adjoining properties ever been used as a junkyard or landfill including a site where drums or other containers of chemicals were buried?

22. Are there any USTs on the property which have been permanently closed?

23. Are there any environmental liens or judgements filed against the property as a result of not complying with Federal or State environmental laws?

24. Is the property involved in any lawsuits regarding environmental compliance issues?

25. Are there any chemical containers including 55-gallon drums used for pesticides or other hazardous substances located on the property?

26. Are there any abandoned or discarded automotive, tractor, farm machinery, industrial, or other batteries present on the property?

27. Are there any appliances, links automobiles, tractors, farm machinery, abandoned tires, or other automobile or tractor related parts present on the property?

28. Are there any abandoned machinery, tires or other equipment present on the property?

---

**TABLE 2 - Containers or Drums. Insert the appropriate map symbol from Part F in column B.**

<table>
<thead>
<tr>
<th>A. Container Location</th>
<th>B. Map Symbol</th>
<th>C. Container Contents</th>
<th>D. EPA Reg. (if available)</th>
<th>E. Estimated Quantity</th>
<th>F. Is the Container Leaking?</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**TABLE 3 - Batteries. Insert the appropriate map symbol from Part F in column B.**

<table>
<thead>
<tr>
<th>A. Location of Batteries</th>
<th>B. Map Symbol</th>
<th>C. Estimated Quantity</th>
<th>D. Are Any of the Batteries Leaking?</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**TABLE 4 - Abandoned Machinery, Tires or Other Equipment. Insert the appropriate map symbol from Part F in column B.**

<table>
<thead>
<tr>
<th>A. Location of Appliances, Machinery, Tires or Parts</th>
<th>B. Map Symbol</th>
<th>C. Estimated Quantity</th>
<th>D. Type of Tires or Parts</th>
</tr>
</thead>
</table>
29. Are there any signs of soil dith present on the property which might indicate covering of contaminants?
   If "YES", provide the location and map symbol:

30. Are there any areas of stained soil on the property? If "YES", provide the location and map symbol, and
    appropriate size. Also attach photographs.

31. Are there any areas of the property such as floors in buildings which are stained? If "YES", provide the location and map
    symbol for the affected buildings.

32. Are there any electrical transformers located on the property which are not labeled as "PCB Free"? If "YES", provide the
    location and map symbol.

33. Does the property contain any USTs or above ground storage tanks (ASTs) currently in operation or which have been
    temporarily closed? If "YES", complete TABLE 5

---

TABLE 5 - Storage Tanks. Insert the appropriate map symbol from Part F in Column C.

<table>
<thead>
<tr>
<th>A. Tank Location</th>
<th>B. Site if known</th>
<th>C. Map Symbol</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

---

PART D - WATER AND WASTE INFORMATION

34. Are there any lagoons, ponds or other liquid holding facilities present on the property?

   YES ☐ NO ☐ Unknown ☐

   If "YES", complete TABLE 6

TABLE 6 - Lagoons, Ponds or Other Holding Facilities. Insert the appropriate map symbol from Part F in Column C.

<table>
<thead>
<tr>
<th>A. Lagoon, Pond, or Other Location</th>
<th>B. Size</th>
<th>C. Map Symbol</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pond</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

---
### TABLE 7 - Wells. Insert the appropriate map symbol from Part F in column B.

<table>
<thead>
<tr>
<th>A. Location of Well</th>
<th>B. Map Symbol</th>
<th>C. Use</th>
<th>D. Depth</th>
<th>E. Described Condition of Well and Casing</th>
<th>F. Construction</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Good</td>
<td>Fair</td>
</tr>
</tbody>
</table>

**Legend:**
- **D** - Domestic
- **I** - Irrigation
- **O** - Other
- **A** - Abandoned

36. If applicable, is there evidence of well contamination such as signs of using an area immediately adjacent to the well(s) listed in TABLE 7 for the filling of spray tanks?

- [ ] YES
- [ ] NO
- [ ] Unknown

If "YES", provide the number of the well(s) from TABLE 7:

37. If evidence of contamination is still observed or if you have prior knowledge that contaminants have been identified in either a well or water system with levels that exceed regulatory acceptable levels?

- [ ] YES
- [ ] NO
- [ ] Unknown

If "YES", please describe the signs or evidence of possible contamination along with the location of the well and supply the appropriate map symbol. (Attach copies of any water test results)

38. If drinking water is not obtained from a groundwater source on the property, where does the supply come from?

- Band H2O

39. If a residence is located on the property, what type of waste or septic system is used? Describe condition of such system along with distance of system from any drinking water sources:

- Std septic system

### PART E - RECORDS SEARCH

40. Are there any National Priority List (NPL) sites within 1 mile of the property?

- [ ] YES
- [ ] NO

41. Are there any Comprehensive Environmental Response, Compensation, and Liability Information System (CERCLIS) sites located within .5 mile of the property?

- [ ]

42. Are there any sites listed by the State within 1 mile of the property which are equivalent to NPL sites?

- [ ]

43. Based on State maintained data, are there any Leaking Underground Storage Tanks (LUST) within 1 mile of the property?

- [ ]

44. Based on State maintained data, are there any solid waste landfill sites located within 1 mile of the property?

- [ ]
Legend and Map Symbols:
U    UST
A    AST
R    Residence
B    Building
ST   Septic Tank and System
~~~  Creek, stream, river
===  Public road
CM   Cemetery
—    Private road or driveway
BT   Batteries
    Tires
    Barrel or drum
++++  Railroad
PL   Pond or lagoon
D    Dump or other possibly contaminated site
GB   Grain bin or silo
WD   Well-Drinking Water
WI   Well-Irrigation
WO   Well-Other
WA   Well-Abandoned
SS   Stained Soil
W    Wetland
t   Transformer
C    Containers

Sea Attached
PART G - CONCLUSION

I have reviewed the documents in the case file and have made a site inspection. The result of this site inspection is:

☐ 1. Evidence of contamination was found or observed on the property and further evaluation through a Phase II ESA is recommended.

☐ 2. The preliminary environmental assessment results were found to be inconclusive and further evaluation through a Phase II ESA is recommended.

☐ 3. Evidence of contamination was found but was not noted to be significant to require further evaluation.

☐ 4. No evidence of contamination was found or observed and no further evaluation is needed.

To the best of my knowledge, the above statement and facts are true and correct, and to the best of my knowledge, no facts or information have been misrepresented or omitted:

[Signature of Preparer]

[Printed Name of Preparer]

6. Date

8. Title of Preparer and Agency or Lender
9. Address (Zip Code)

Place: FL
Post Office: 2898 PO. Box 151
City/State/Zip: FAY, AR 72764

10. Telephone Number (Area Code)

419-521-95-20

PART H - UPDATE INFORMATION

1. For Update 1:
   A. Date Updated
   B. Updated by:
   C. Title
   D. Agency/Lender

2. For Update 2:
   A. Date Updated
   B. Updated by:
   C. Title
   D. Agency/Lender

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## Farm Service Agency
### ENVIRONMENTAL INSPECTION REPORT

**Identification**

**Name:** C & H Farms (Campbell and Henson)  
**Legal Description (attach separate page, if necessary):** See appraisal attached.  
**Inspection Date:** 01/30/12

**Section, Township, Range, County**

**Acres in Property:** 259.93 Ac +/-

### Level of Inspection

a. Physically inspected property?  
   - Yes  
   - No

b. Interviewed owner or operator?  
   - Yes  
   - No

c. Other methods of inspection?  
   - Yes  
   - No

If yes to c, explain other methods; if no to a, b, or c, comment on limitations:

### Storage Tanks

- **Yes**  
- **No**

If yes, comment on size, age, type, use, number, permits, location, condition, etc.: 

### Collection/Disposal Sites

**Domestic Use:**

- **Yes**  
- **No**

**Commercial Use:**

- **Yes**  
- **No**

If yes, comment on type, landfill, lagoon, holding pond, dumpsite, location, was a permit obtained; the distance to the well, drainage ditch, stream, etc.: 

### Drums/Containers

- **Yes**  
- **No**

If yes, comment on type, i.e. pesticide, oil, fuel, lubricants, paint, etc.: 

### Customer Fertilizer and Chemical Business

- **Yes**  
- **No**

If yes, comment on what type of business, location, permits:

### Livestock Facilities

- **Yes**  
- **No**

If yes, comment on type, confinement, feedlot capacity, type of manure disposal, location to wells, streams, etc.: 

---

*Addendum to 422-1: Rev 6-93 Page 1 of 2 Page 34 of 50*
Farm Service Agency

Asbestos
If yes, comment:

□ Yes  □ No  X Unknown

Neighborhood/Adjacent High Risk Properties
If yes, comment on type (e.g. landfill, abandoned gas station, storage, etc.), and evidence or knowledge of contamination:

□ Yes  X No

Miscellaneous
Is there evidence of existing/potential environmental hazards which have not previously been addressed (e.g., ag drainage wells, abandoned wells, sinkholes, unexplained pipe or opening in the ground)?
□ Yes  X No
If yes, identify:

Residences (rural homes, headquarters tracts, part-time farms, etc.)
Potable Water Sources:
If private, system in compliance with health regulations?
If tested, note date of test and results:

□ Yes  □ No  □ Unknown

Sewer
If private, system in compliance with health organizations?
Has radon test been performed?
If tested, note date of test and results:

□ Public  X Private  □ Unknown

□ Yes  □ No  □ Unknown

Comments
Identify any existing or potential contamination on the subject property. Assess levels of risk; other concerns, etc. Continue on separate sheet, if necessary. Attach photos:

Limitations
The appraiser shall not be relied upon as an environmental hazard expert nor shall this inspection be considered an environmental audit.

Certification: I certify that to the best of my knowledge, belief, and opinion, the facts presented are true and correct.

Signature of Appraiser: Jim B. Wiedeman

Date: 01/30/12

NOTE: If there appear to be environmental problems the County Supervisor should contact the State Environmental Coordinator.
KNOW ALL MEN BY THESE PRESENTS:

THAT I, JERRY KENT, a single person, for and in consideration of the sum of $1.00 and other good and valuable consideration to me in hand paid by JASON HENSON and TANA HENSON, husband and wife, the receipt of which is hereby acknowledged, do hereby grant, bargain, sell and convey unto the said JASON HENSON and TANA HENSON, husband and wife, and unto their heirs and assigns, forever, the following described tract or parcel of land lying and being situated in the County of NEWTON in the State of Arkansas, to-wit:

THE S 1/2 OF THE SW 1/4 OF SECTION 25 IN TOWNSHIP 15 NORTH, RANGE 20 WEST, CONTAINING 76 ACRES, MORE OR LESS, EXCEPTION FROM SAID S 1/2 OF THE SW 1/4 OF SAID SECTION 25 THE FOLLOWING PART THEREOF, TO-WIT: BEGINNING AT THE NE CORNER OF THE SE 1/4 OF THIS SW 1/4 OF SAID SECTION 25, RUNNING THENCE WEST 21 1/2 RODS; THENCE SOUTH 21 RODS, THENCE EAST 22 RODS; THENCE NORTH 22 RODS, TO THE PLACE OF BEGINNING, CONTAINING 3 ACRES, MORE OR LESS. ALSO, EXCEPTING FROM SAID S 1/2 OF THE SW 1/4 OF SAID SECTION 25, THE FOLLOWING DESCRIBED PORTION, TO-WIT: BEGINNING AT THE NE CORNER OF THE SW 1/4 OF THE SW 1/4 OF SAID SECTION 15, RUNNING THENCE EAST 58 RODS FOR A BEGINNING PLACE; THENCE WEST 12 RODS AND 20 LINKS; THENCE SOUTH 9 RODS AND 18 LINKS; THENCE EAST 12 RODS AND 20 LINKS; THENCE NORTH 9 RODS AND 18 LINKS TO PLACE OF BEGINNING. ALSO, EXCEPTING ALL THAT PART OF THE SAID S 1/2 OF THE SW 1/4 OF SAID SECTION 25, Lying north and west of center of county road.

THE NE 1/4 OF THE NW 1/4 OF SECTION 36 IN TOWNSHIP 15 NORTH, RANGE 20 WEST, CONTAINING 40 ACRES. ALSO, A STRIP 21 1/4 YARDS WIDE ACROSS THE EAST SIDE OF THE NW 1/4 OF THE NW 1/4 OF SECTION 36, TOWNSHIP 15 NORTH, RANGE 20 WEST, EXCEPT THAT PART OF SAID STRIP LYING UNDER THE MAIN BLUFF IN THE HEAD OF WHAT IS KNOWN AS TABBEMALE HOLLOW, CONTAINING 1 1/2 ACRES, MORE OR LESS.

TO HAVE AND TO HOLD the above-described tract and premises unto the said JASON HENSON and TANA HENSON, husband and wife, and unto their heirs and assigns forever.
Map Addendum

C & H Farms (Campbell and Henson)

Jim Wiedeman #505
Date: 01/30/12
**ENVIRONMENTAL RISK SURVEY FORM**

**PART A - SITE INFORMATION**

1. Site Name: Richard & Mary Campbell
2. Address (Include City, State, Zip Code and County): 80 Box 45, Vandal AR, 72683
3. Case Number: C 84 458

4. Township: 15
5. Range: 21
6. Section: 3S 34

7. Directions to property: From nearest town: 6 1/2 miles STH of Jasper AR.

8. Nearest Intersection: HWY 7, Smith & 4th Rd
9. Property Site: Hog & cattle Farm

10. Describe the current use of the property: Hog & cattle Farm

**PART B - SITE OWNERSHIP HISTORY AND BACKGROUND**

11A. Current Owner: Richard & Mary Campbell
11B. Current Operator: Richard & Mary Campbell

12. Previous owner(s):
   A. Name: H. Elmer Bohannon
   B. Dates owned: 8-1-12 to 7-28-2000

13. Date FSA became involved with the property (Date of first loan or application): 8-1-12

**PART C - SITE DATA**

14. Are there any buildings on the property? [ ] YES [ ] NO

**TABLE 1 - Buildings or Other Structures. Insert the appropriate map symbol from Part F in column B**

<table>
<thead>
<tr>
<th>A. Type of Structure</th>
<th>B. Map Symbol</th>
<th>C. Year Built</th>
<th>D. Used for Chemical Storage and/or Minding</th>
<th>E. Contains Lead Based Paint</th>
<th>F. Contains Asbestos</th>
</tr>
</thead>
<tbody>
<tr>
<td>(3) Hog House</td>
<td>Labeled</td>
<td>0/o</td>
<td>YES</td>
<td>Unknown</td>
<td>Unknown</td>
</tr>
</tbody>
</table>

Questions 15 through 22 are used to establish the present use of the property as well as any historical use which may be a contributing factor in any present contamination concerns.

15. Has the property ever been used for industrial production such as a machine shop?
   [ ] Owner or Occupant [ ] Observed During Visit

16. Have any adjoining properties been used for industrial production such as a machine shop?
   [ ] Owner or Occupant [ ] Observed During Visit

17. Has the property ever been used for the production or exploration of petroleum?
   [ ] Owner or Occupant [ ] Observed During Visit

18. Property ever been used as a base location for an aerial crop spraying or dusting service?

   [ ] Yes [ ] No [ ] Unknown

**Note:** Property will be shut down.
35. Are there any wells located on the property?
   [ ] YES  [ ] NO  [ ] Unknown  If "YES", complete Table 7

### TABLE 7 - Wells. Insert the appropriate map symbol from Part F in column B.

<table>
<thead>
<tr>
<th>A. Location of Well</th>
<th>B. Map Symbol</th>
<th>C. Use</th>
<th>D. Depth</th>
<th>E. Described Condition of Well and Casing</th>
<th>F. Construction</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>D</td>
<td>I</td>
<td>Q</td>
<td>A</td>
</tr>
</tbody>
</table>

"D" - Domestic  "I" - Irrigation  "O" - Other  "A" - Abandoned

36. If applicable, is there evidence of well contamination such as signs of using an area immediately adjacent to the well(s) listed in TABLE 7 for the filling of spray tanks?
   [ ] YES  [ ] NO  [ ] Unknown  If "YES", provide the number of the well(s) from TABLE 7:

37. Is there any evidence or do you have prior knowledge that contaminants have been identified in either a well or water system with levels that exceed regulatory acceptable levels?
   [ ] YES  [ ] NO  [ ] Unknown  If "YES", provide the number of the well(s) from TABLE 7:

38. If drinking water is not obtained from a groundwater source on the property, where does the supply come from?

39. If a residence is located on the property, what type of waste or septic system is used? Describe condition of such system along with distance of system from any drinking water sources:

### PART E - RECORDS SEARCH

40. Are there any National Priority List (NPL) sites within 1 mile of the property?
   [ ] YES  [ ] NO

41. Are there any Comprehensive Environmental Response, Compensation, and Liability Information System (CERCLIS) sites located within .5 mile of the property?
   [ ] YES  [ ] NO

42. Are there any sites listed by the State within 1 mile of the property which are equivalent to NPL sites?
   [ ] YES  [ ] NO

43. Based on State maintained data, are there any Leaking Underground Storage Tanks (LUST) within 1 mile of the property?
   [ ] YES  [ ] NO

44. Based on State maintained data, are there any solid waste landfill sites located within 1 mile of the property?
   [ ] YES  [ ] NO
PART G - CONCLUSION

I have reviewed the documents in the case file and have made a site inspection. The result of this site inspection is:

☐ 1. Evidence of contamination was found or observed on the property and further evaluation through a Phase II ESA is recommended.

☐ 2. The preliminary environmental assessment results were found to be inconclusive and further evaluation through a Phase II ESA is recommended.

☐ 3. Evidence of contamination was found but was not noted to be significant to require further evaluation.

☒ 4. No evidence of contamination was found or observed and no further evaluation is needed.

To the best of my knowledge, the above statement and facts are true and correct, and to the best of my knowledge, no facts or information have been misrepresented or omitted:

[Signature]

5. Signature of Preparer

8/1/12

6. Date

7. Printed Name of Preparer

PART H - UPDATE INFORMATION

1. For Update 1:
   A. Date Updated
   B. Updated by:
   C. Title
   D. Agency/Lender

2. For Update 2:
   A. Date Updated
   B. Updated by:
   C. Title
   D. Agency/Lender

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County Gravel Road View

Pasture View

Holding Ponds - To be shut down.

Swine Unit - To be shut down.

Pasture View

Pasture View
WITH RELINQUISHMENT OF DOWERY & CURTESEY

KNOW ALL MEN BY THESE PRESENTS:

THAT we, Harl W. Bohannon & Linda E. Bohannon, HW and Tod A. Barnard & Melinda E. Barnard, HW

hereinafter called GRANTOR(S), for and in consideration of the sum of TEN DOLLARS, in hand paid by Richard L. Campbell & Mary L. Campbell, HW the receipt of which is hereby acknowledged, do hereby grant, bargain, sell and convey unto

Richard L. Campbell & Mary L. Campbell, HW

hereinafter called GRANTEE(S), and unto their heirs and assigns forever, the following lands lying in

County, Arkansas, to wit:

A part of the NE 4 of the SE 4 of 334, T15N, R21W, being all that part lying East of the County Road, containing 19 acres, more or less.

A part of the SW 4 of the NW 4 of 334, T15N, R21W, being all that part of said forty lying North of County Road as it now exists, containing 35 acres, more or less.

The NW 4 of the SW 4 of 334, T15N, R21W, containing 40 acres, more or less.

ALSO, part of the SW 4 of the NW 4 of 334, T15N, R21W, being all that part of said forty lying South of the County Road as it now exists, containing 5 acres, more or less.

To have and to hold the same unto the said GRANTEE(s), and unto their heirs and assigns forever, with all appurtenances thereunto belonging.

And we, Harl W. Bohannon & Linda E. Bohannon and Tod A. Barnard & Melinda E. Barnard hereby covenant with said GRANTEE(s) that we will forever warrant and defend the title to the said lands against all claims whatever.

And we, Harl W. Bohannon & Linda E. Bohannon and Tod A. Barnard & Melinda E. Barnard, in consideration of the sum of money, do hereby release and relinquish unto the said Richard L. Campbell & Mary L. Campbell GRANTEE(S) all our rights of dowery and curtesy and homestead in and to the said lands.

Witness our hands and seals on this 27 day of February, 2000

Harl W. Bohannon

Linda E. Bohannon

Tod A. Barnard

Melinda E. Barnard

Page 22 of 28
Map Addendum

Clean up line.

Richard 33.34.15N 21W
Newton County, MN

Richard Campbell

Date: 01/30/12

99
Enforcement Action

Item Description

Level of Inspection

a. Physically inspected property? 
   - Yes
   - No
b. Interviewed owner or operator?
   - Yes
   - No
c. Other methods of inspection?
   - Yes
   - No
If yes to c, explain other methods; if no to a, b, or c, comment on limitations:

Storage Tanks

- Yes
- No
If yes, comment on size, age, type, use, number, permits, location, condition, etc.:

Collection/Disposal Sites

Domestic Use:

- Yes
- No
Commercial Use:

- Yes
- No
If yes, comment on type, landfill, lagoon, holding pond, dumpy sites, location, was a permit obtained; the distance to the well, drainage ditch, streams, etc.: Old swine lagoon and holding pond will need to be shut down per EPA guidelines.

Drums/Containers

- Yes
- No
If yes, comment on type, i.e. pesticide, oil, fuel, lubricants, paint, etc.:

Customer Fertilizer and Chemical Business

- Yes
- No
If yes, comment on what type of business, location, permits:

Livestock Facilities

- Yes
- No
If yes, comment on type, confinement, feedlot capacity, type of manure disposal, location to wells, streams, etc.; Cargill Sow floor currently in operation. TO BE SHUT Down.
**Farm Service Agency**

<table>
<thead>
<tr>
<th>Asbestos</th>
<th>Yes</th>
<th>No</th>
<th>Unknown</th>
</tr>
</thead>
<tbody>
<tr>
<td>If yes, comment:</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Neighborhood/Adjacent High Risk Properties</th>
<th>Yes</th>
<th>No</th>
</tr>
</thead>
<tbody>
<tr>
<td>If yes, comment on type (e.g. landfill, abandoned gas station, storage, etc.), and evidence or knowledge of contamination:</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Miscellaneous</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Is there evidence of existing/potential environmental hazards which have not previously been addressed (e.g., ag drainage walls, abandoned walls, sinkholes, unexplained pipe or opening in the ground)?</td>
<td>Yes</td>
</tr>
<tr>
<td>If yes, identify:</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Residences (rural homes, headquarters tracts, part-time farms, etc.)</th>
<th>Public</th>
<th>Private</th>
</tr>
</thead>
<tbody>
<tr>
<td>Potable Water Sources:</td>
<td>Yes</td>
<td>No</td>
</tr>
<tr>
<td>If private, system in compliance with health regulations?</td>
<td></td>
<td></td>
</tr>
<tr>
<td>If tested, note date of test and results:</td>
<td>NA</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Sewer</th>
<th>Public</th>
<th>Private</th>
</tr>
</thead>
<tbody>
<tr>
<td>If private, system in compliance with health organizations?</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Has radon test been performed?</td>
<td></td>
<td></td>
</tr>
<tr>
<td>If tested, note date of test and results:</td>
<td>NA</td>
<td></td>
</tr>
</tbody>
</table>

| Comments | Identify any existing or potential contamination on the subject property. Assess levels of risk; other concerns, etc. Continue on separate sheet, if necessary. Attach photos. |

<table>
<thead>
<tr>
<th>Limitations</th>
<th>The appraiser shall not be relied upon as an environmental expert, and shall this inspection be considered an environmental audit.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Certification:</td>
<td>I certify that to the best of my knowledge and belief, the facts presented are true and correct.</td>
</tr>
<tr>
<td>Signature of Appraiser:</td>
<td></td>
</tr>
<tr>
<td>Date:</td>
<td>01/30/12</td>
</tr>
</tbody>
</table>

**NOTE:** If there appear to be environmental problems, the County Attorney should be contacted to verify.”

Addendum to 422-1: Rev 6-93
Map Addendum
19. Has a gasoline station or any other commercial activity that stored large amounts of solvents, pesticides or other chemicals ever operated on the property?  

<table>
<thead>
<tr>
<th>A. Owner or Occupant</th>
<th>B. Observed During Visit</th>
</tr>
</thead>
<tbody>
<tr>
<td>YES</td>
<td>NO</td>
</tr>
</tbody>
</table>

20. Has a gasoline station or any other commercial activity that stored large amounts of solvents, pesticides or other chemicals ever operated on any adjoining properties?  

<table>
<thead>
<tr>
<th>Yes</th>
<th>No</th>
<th>Unknown</th>
</tr>
</thead>
</table>

21. Has any adjoining properties ever been used as a junkyard or landfill including a site where drums or other containers of chemicals were buried?  

<table>
<thead>
<tr>
<th>Yes</th>
<th>No</th>
<th>Unknown</th>
</tr>
</thead>
</table>

22. Have any adjoining properties ever been used as a junkyard or landfill including a site where drums or other containers of chemicals were buried?  

<table>
<thead>
<tr>
<th>Yes</th>
<th>No</th>
<th>Unknown</th>
</tr>
</thead>
</table>

23. Are there any USTs on the property which have been permanently closed?  

<table>
<thead>
<tr>
<th>Yes</th>
<th>No</th>
<th>Unknown</th>
</tr>
</thead>
</table>

24. Are there any environmental liens or judgements filed against the property as a result of not complying with Federal or State environmental laws?  

<table>
<thead>
<tr>
<th>Yes</th>
<th>No</th>
<th>Unknown</th>
</tr>
</thead>
</table>

25. Is the property involved in any lawsuits regarding environmental compliance issues?  

<table>
<thead>
<tr>
<th>Yes</th>
<th>No</th>
<th>Unknown</th>
</tr>
</thead>
</table>

26. Are there any chemical containers including 55-gallon drums used for pesticides or other hazardous substances located on the property?  

| YES | NO | Unknown |

If "YES", complete TABLE 2.

**TABLE 2 - Containers or Drums. Insert the appropriate map symbol from Part F in column B.**

<table>
<thead>
<tr>
<th>A. Container Location</th>
<th>B. Map Symbol</th>
<th>C. Container Contents</th>
<th>D. EPA Reg. (if available)</th>
<th>E. Estimated Quantity</th>
<th>F. Is the Container Leaking?</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

27. Are there any abandoned or discarded automotive, tractor, farm machinery, industrial, or other batteries present on the property?  

| YES | NO | Unknown |

If "YES", provide the estimated quantity and location in TABLE 3.

**TABLE 3 - Batteries. Insert the appropriate map symbol from Part F in column B.**

<table>
<thead>
<tr>
<th>A. Location of Batteries</th>
<th>B. Map Symbol</th>
<th>C. Estimated Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

28. Are there any appliances, junk automobiles, tractors, farm machinery, abandoned tires, or other automobile or tractor related parts present on the property?  

| YES | NO | Unknown |

If "YES", provide the estimated quantity and location in TABLE 4.

**TABLE 4 - Abandoned Machinery, Tires or Other Equipment. Insert the appropriate map symbol from Part F in column B.**

<table>
<thead>
<tr>
<th>A. Location of Appliances, Machinery, Tires or Parts</th>
<th>B. Map Symbol</th>
<th>C. Estimated Quantity</th>
<th>D. Type of Tires or Parts</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
ENIRONMENTAL RISK SURVEY FORM

PART A - SITE INFORMATION
1. Site Name: Phillip Campbell
2. Address (Include City, State, Zip Code and County): P.O. Box 41 Vendor 072-683
3. Case Number: 05-5738964
4. Township: 15
5. Range: 20
6. Section: 28
7. Directions to property: (From nearest town)
   10 m. SW 5 6 5 6 4 2
8. Nearest intersection: CR 284
9. Property Size: 478.4
10. Describe the current use of the property
    Livestock

PART B - SITE OWNERSHIP HISTORY AND BACKGROUND
11A. Current Owner: Phillip Campbell
11B. Current Operator: Phillip Campbell
12. Previous owner(s):
   A. Name: Loyd Campbell
   B. Dates owned: Mar 12 27-07 8-1-12 705-

PART C - SITE DATA
14. Are there any buildings on the property? [ ] YES [ ] NO If "YES", complete Table 1.

TABLE 1 - Buildings or Other Structures. Insert the appropriate map symbol from Part F in column B

<table>
<thead>
<tr>
<th>A. Type of Structure</th>
<th>B. Map Symbol</th>
<th>C. Year Built</th>
<th>D. Used for Chemical Storage and/or Mixing</th>
<th>E. Contains Lead Based Paint</th>
<th>F. Contains Asbestos</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dwelling</td>
<td></td>
<td>65</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Shed</td>
<td></td>
<td>2009</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Questions 15 through 22 are used to establish the present use of the property as well as any historical use which may be a contributing factor in any present contamination concerns.

15. Has the property ever been used for industrial production such as a machine shop? [ ] YES [ ] NO [ ] Unknown

16. Have any adjoining properties been used for industrial production such as a machine shop? [ ] YES [ ] NO [ ] Unknown

17. Has the property ever been used for the production or exploration of petroleum? [ ] YES [ ] NO [ ] Unknown

18. Has the property ever been used as a base location for an aerial crop spraying or dusting service? [ ] YES [ ] NO [ ] Unknown
29. Are there any signs of dirt present on the property which might indicate covering of contaminants? If "YES", provide the location and map symbol:

   YES  NO  Unknown

30. Are there any areas of stained soil on the property? If "YES", provide the location and map symbol, and appropriate size. Also attach photographs.

31. Are there any areas of the property such as floors in buildings which are stained? If "YES", provide the location and map symbol for the affected buildings.

32. Are there any electrical transformers located on the property which are not labeled as "PCB Free"? If "YES", provide the location and map symbol.

33. Does the property contain any USTs or above ground storage tanks (ASTs) currently in operation or which have been temporarily closed? If "YES", complete TABLE 5

### TABLE 5 - Storage Tanks. Insert the appropriate map symbol from Part F in column C.

<table>
<thead>
<tr>
<th>A. Tank Location</th>
<th>B. Size if known</th>
<th>C. Map Symbol</th>
<th>D. What Type</th>
<th>E. If &quot;UST&quot;, Is it Registered?</th>
<th>F. Does the Tank Contain Any Substance?</th>
<th>G. If &quot;YES&quot;, What Substance</th>
<th>H. Is the Tank Known to be Leaking?</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td>AST UST</td>
<td>YES  NO Unknown</td>
<td>YES  NO Unknown</td>
<td></td>
<td>YES  NO Unknown</td>
</tr>
</tbody>
</table>

### PART D - WATER AND WASTE INFORMATION

34. Are there any lagoons, ponds or other liquid holding facilities present on the property?

   YES  NO  Unknown

If "YES", complete TABLE 6

### TABLE 6 - Lagoons, Ponds or Other Holding Facilities. Insert the appropriate map symbol from Part F in column C.

<table>
<thead>
<tr>
<th>A. Lagoon, Pond, or Other Location</th>
<th>B. Size</th>
<th>C. Map Symbol</th>
<th>D. Primary Use</th>
<th>E. Condition</th>
<th>F. Permitted or Registered</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pond</td>
<td>Small</td>
<td>Label</td>
<td>Livestock</td>
<td>Good</td>
<td>YES</td>
</tr>
</tbody>
</table>


### TABLE 7 - Wells

<table>
<thead>
<tr>
<th>A. Location of Well</th>
<th>B. Map Symbol</th>
<th>C. Use If</th>
<th>D. Depth</th>
<th>E. Described Condition of Well and Casing</th>
<th>F. Construction</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>D</td>
<td>I</td>
<td>O</td>
<td>A</td>
</tr>
<tr>
<td>Close to House</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

V "D" - Domestic  "I" - Irrigation  "O" - Other  "A" - Abandoned

### 38. If applicable, is there evidence of well contamination such as signs of using an area immediately adjacent to the well(s) listed in TABLE 7 for the filling of spray tanks?

- [ ] YES
- [x] NO
- [ ] Unknown

If "YES," provide the number of the well(s) from TABLE 7:

### 37. Is there any evidence or do you have prior knowledge that contaminants have been identified in either a well or water system with levels that exceed regulatory acceptable levels?

- [ ] YES
- [x] NO
- [ ] Unknown

If "YES," please describe the signs or evidence of possible contamination along with the location of the well and supply the appropriate map symbol. (Attach copies of any water test results)

### 38. If drinking water is not obtained from a groundwater source on the property, where does the supply come from?

Rural

### 39. If a residence is located on the property, what type of waste or septic system is used? Describe condition of such system along with distance of system from any drinking water sources:

STD Septic System

### PART E - RECORDS SEARCH

40. Are there any National Priority List (NPL) sites within 1 mile of the property?  

- [ ] YES
- [x] NO

41. Are there any Comprehensive Environmental Response, Compensation, and Liability Information System (CERCLIS) sites located within .5 mile of the property?  

- [ ] YES
- [x] NO

42. Are there any sites listed by the State within 1 mile of the property which are equivalent to NPL sites?  

- [ ] YES
- [x] NO

43. Based on State maintained data, are there any Leaking Underground Storage Tanks (LUST) within 1 mile of the property?  

- [x] YES

44. Based on State maintained data, are there any solid waste landfill sites located within 1 mile of the property?  

- [x] YES
See Attached

Legend and Map Symbols:

- **U**: UST
- **A**: AST
- **R**: Residence
- **B**: Building
- **ST**: Septic Tank and System
- **~~~**: Creek, stream, river
- **===**: Public road
- **CM**: Cemetery
- **—**: Private road or driveway
- **BT**: Batteries
- **T**: Tires
- **X**: Barrel or drum
- **+++**: Railroad
- **PL**: Pond or lagoon
- **D**: Dump or other possibly contaminated site
- **GB**: Grain bin or silo
- **WD**: Well-Drinking Water
- **WI**: Well-Irrigation
- **WO**: Well-Other
- **WA**: Well-Abandoned
- **SS**: Stained Soil
- **W**: Wetland
- **Transformer**: Transformer
- **C**: Containers
PART G - CONCLUSION

I have reviewed the documents in the case file and have made a site inspection. The result of this site inspection is:

☐ 1. Evidence of contamination was found or observed on the property and further evaluation through a Phase II ESA is recommended.

☐ 2. The preliminary environmental assessment results were found to be inconclusive and further evaluation through a Phase II ESA is recommended.

☐ 3. Evidence of contamination was found but was not noted to be significant to require further evaluation.

☐ 4. No evidence of contamination was found or observed and no further evaluation is needed.

To the best of my knowledge, the above statement and facts are true and correct, and to the best of my knowledge, no facts or information have been misrepresented or omitted:

[Signature]

8-12

6. Date

7. Printed Name of Preparer

PART H - UPDATE INFORMATION

1. For Update 1:
   A. Date Updated
   B. Updated by:
   C. Title
   D. Agency/Lender

2. For Update 2:
   A. Date Updated
   B. Updated by:
   C. Title
   D. Agency/Lender

The U.S. Department of Agriculture (USDA) prohibits discrimination in all its programs and activities on the basis of race, color, national origin, age, disability, and where applicable, sex, marital status, familial status, parental status, religion, sexual orientation, gender identity, genetic information, political beliefs, reprisal, or because all or part of an individual's income is derived from any public assistance program. (Not all prohibited bases apply to all programs.) Persons with disabilities who require alternative means for communication of program information (Braille, large print, audiotape, etc.) should contact USDA's TARGET Center at (202) 720-2600 (voice and TDD). To file a complaint of discrimination, write to USDA, Director, Office of Civil Rights, 1400 Independence Avenue, S.W., Washington, D.C. 20250-9410, or call (800) 795-3272 (voice) or (202) 720-6382 (TDD). USDA is an equal opportunity provider and employer.
Map Addendum

Newton County, AR
Elevation 250
Faithful 267
1/2 Mile W

Jasper
10 RMiles

Glen

Pono

Wages

Richard

Legal will not close

C & H Farms (Campbell and Henson)

Jim Wiedeman #505
01/30/12
WARRANTY DEED
WITH RELINQUISHMENT OF DOWER AND CURTESY

KNOW ALL MEN BY THESE PRESENTS:
THAT LOYD JUNIOR CAMPBELL and FRED CAMPBELL, husband and wife, hereinafter called GRANTOR, for and in consideration of the sum of Ten Dollars and other valuable considerations, in hand paid by PHILIP CAMPBELL, the receipt of which is hereby acknowledged, do hereby grant, bargain, sell and convey unto PHILIP CAMPBELL, hereinafter called GRANTEE, and unto his heirs and assigns forever, the following lands lying in NEWTON County, Arkansas, to wit:

THE SE 1/4 OF THE SW 1/4 OF SECTION 28, TOWNSHIP 15 NORTH, RANGE 20 WEST CONTAINING FORTY ACRES, AND A PART OF THE SW 1/4 OF THE SE 1/4 OF SECTION 25, TOWNSHIP 15 NORTH, RANGE 20 WEST CONTAINING 7 ACRES, DESCRIBED AS FOLLOWS: BEGINNING AT THE SW CORNER OF SAID FORTY, RUN EAST 70 YARDS TO A BEUFE, THENCE NORTH WITH THE MEANDERINGS OF SAID BLUFF TO THE NORTH LINE OF SAID FORTY, THENCE WEST ON SAID LINE TO THE NE CORNER OF THE SE 1/4 OF THE SW 1/4; THENCE SOUTH TO THE PLACE OF BEGINNING, CONTAINING IN ALL 47 ACRES, MORE OR LESS.

SUBJECT TO THE FOLLOWING: SAID LANDS ARE BEING CONVEYED ON THE EXPRESS CONDITION THAT SHOULD GRANTEE WISH TO CONVEY HIS INTEREST TO ABOVE DESCRIBED LANDS, HE MUST FIRST OFFER TO CONVEY SAID LANDS TO HIS SIBLINGS FOR THE AMOUNT ONLY EQUAL TO THE IMPROVEMENTS DONE TO ABOVE DESCRIBED LANDS SINCE DATE OF THIS DEED.

And we hereby covenant with said GRANTEE, that we will forever warrant and defend the title to the said lands against all claims whatever.

And we, the GRANTORS, for and in consideration of the sum of money do hereby release and relinquish unto the said GRANTEE, all our right of dower, curtesy and homestead in and to the said lands.

WITNESS our hands and seals on this 27 day of January, 2003.

LOYD JUNIOR CAMPBELL
FRED CAMPBELL

STATE OF ARKANSAS
CITY OF CLARK

ACKNOWLEDGMENT

BE IT REMEMBERED, That on this day came before me the undersigned, a Notary Public within and for the county aforesaid, duly commissioned and acting, LOYD JUNIOR CAMPBELL and FRED CAMPBELL, husband and wife, to me well known as the Grantors in the foregoing deed, and stated that they had executed the same for the consideration and purposes therein mentioned and set forth.
ENIRONMENTAL RISK SURVEY FORM

PART A - SITE INFORMATION

1. Site Name: Richard Campbell
2. Address (City, State, Zip Code and County): P.O. Box 45, Vendor AR 72683
3. Case Number: 061128864
4. Township: 15
5. Range: 20
6. Section: 28, 29
7. Directions to property: (From nearest town) 10 miles SW 5 nmp AR
8. Nearest Intersection: Big Spring Rd.
9. Property Size: 71 AC
10. Describe the current use of the property: 25 AC Woods, 34 AC Pasture, 12 AC Cattle

PART B - SITE OWNERSHIP HISTORY AND BACKGROUND

11A. Current Owner: Richard Campbell
11B. Current Operator: Richard Campbell
12. Previous owner(s):
   A. Name: Loyd Campbell
   B. Dates owned: 8-1-72 to 1-27-03
   C. Other Information: Along time ago

PART C - SITE DATA

14. Are there any buildings on the property? [ ] Yes [ ] No
   If "YES", complete TABLE 1.

TABLE 1 - Buildings or Other Structures. Insert the appropriate map symbol from Part F in column B

<table>
<thead>
<tr>
<th>A. Type of Structure</th>
<th>B. Map Symbol</th>
<th>C. Year Built</th>
<th>D. Used for Chemical Storage and/or Mixing</th>
<th>E. Contains Lead Based Paint</th>
<th>F. Contains Asbestos</th>
</tr>
</thead>
<tbody>
<tr>
<td>Old Barn</td>
<td>Label</td>
<td>1950</td>
<td>Yes</td>
<td>Yes</td>
<td>No</td>
</tr>
<tr>
<td>Dwelling</td>
<td>Label</td>
<td>1973</td>
<td>No</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>Small Barn</td>
<td>Label</td>
<td>2000</td>
<td>No</td>
<td>No</td>
<td>No</td>
</tr>
</tbody>
</table>

Questions 15 through 22 are used to establish the present use of the property as well as any historical use which may be a contributing factor in any present contamination concerns.

<table>
<thead>
<tr>
<th>Question</th>
<th>A. Owner or Occupant</th>
<th>B. Observed During Visit</th>
</tr>
</thead>
<tbody>
<tr>
<td>15. Has the property ever been used for industrial production such as a machine shop?</td>
<td>Yes</td>
<td>No</td>
</tr>
<tr>
<td>16. Have any adjoining properties been used for industrial production such as a machine shop?</td>
<td>Yes</td>
<td>No</td>
</tr>
<tr>
<td>17. Has the property ever been used for the production or exploration of petroleum?</td>
<td>Yes</td>
<td>No</td>
</tr>
</tbody>
</table>

Yes, 118 S Ac. 71Ac
19. Has a gasoline station or any other commercial activity that stored large amounts of solvents, pesticides or other chemicals ever operated on the property?

20. Has a gasoline station or any other commercial activity that stored large amounts of solvents, pesticides or other chemicals ever operated on any adjoining properties?

21. Has the property ever been used as a junkyard or landfill including a site where drums or other containers of chemicals were buried?

22. Have any adjoining properties ever been used as a junkyard or landfill including a site where drums or other containers of chemicals were buried?

23. Are there any USTs on the property which have been permanently closed?

24. Are there any environmental liens or judgements filed against the property as a result of not complying with Federal or State environmental laws?

25. Is the property involved in any lawsuits regarding environmental compliance issues?

26. Are there any chemical containers including 55-gallon drums used for pesticides or other hazardous substances located on the property?

27. Are there any abandoned or discarded automotive, tractor, farm machinery, industrial, or other batteries present on the property?

28. Are there any appliances, junk automobiles, tractors, farm machinery, abandoned tires, or other automobile or tractor related parts present on the property?

### TABLE 2 - Containers or Drums. Insert the appropriate map symbol from Part F in column B.

<table>
<thead>
<tr>
<th>A. Container Location</th>
<th>B. Map Symbol</th>
<th>C. Container Contents</th>
<th>D. EPA Reg. (if available)</th>
<th>E. Estimated Quantity</th>
<th>F. Is the Container Leaking?</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
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<td></td>
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<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### TABLE 3 - Batteries. Insert the appropriate map symbol from Part F in column B.

<table>
<thead>
<tr>
<th>A. Location of Batteries</th>
<th>B. Map Symbol</th>
<th>C. Estimated Quantity</th>
<th>D. Are Any of the Batteries Leaking?</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
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</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### TABLE 4 - Abandoned Machinery, Tires or Other Equipment. Insert the appropriate map symbol from Part F in column B.

<table>
<thead>
<tr>
<th>A. Location of Appliances, Machinery, Tires or Parts</th>
<th>B. Map Symbol</th>
<th>C. Estimated Quantity</th>
<th>D. Type of Tires or Parts</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
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<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
29. Are there any signs of till dirt present on the property which might indicate covering of contaminants?  
   If "YES", provide the location and map symbol:

30. Are there any areas of stained soil on the property? If "YES", provide the location and map symbol, and appropriate size. Also attach photographs.

31. Are there any areas of the property such as floors in buildings which are stained? If "YES", provide the location and map symbol for the affected buildings.

32. Are there any electrical transformers located on the property which are not labeled as "PCB Free"? If "YES", provide the location and map symbol.

33. Does the property contain any USTs or above ground storage tanks (ASTs) currently in operation or which have been temporarily closed? If "YES", complete TABLE 5.

**TABLE 5 - Storage Tanks. Insert the appropriate map symbol from Part F in column C.**

<table>
<thead>
<tr>
<th>A. Tank Location</th>
<th>B. Size if known</th>
<th>C. Map Symbol</th>
<th>D. What Type</th>
<th>E. If &quot;UST&quot;, is it Registered?</th>
<th>F. Does the Tank Contain Any Substance?</th>
<th>G. If &quot;YES&quot;, What Substance</th>
<th>H. Is the Tank Known to be Leaking?</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td>AST UST</td>
<td>YES NO Unknown</td>
<td>YES NO Unknown</td>
<td>YES NO Unknown</td>
<td>YES NO Unknown</td>
</tr>
</tbody>
</table>

**PART D - WATER AND WASTE INFORMATION**

34. Are there any lagoons, ponds or other liquid holding facilities present on the property?

- YES  
- NO  
- Unknown  

If "YES", complete TABLE 6.

**TABLE 6 - Lagoons, Ponds or Other Holding Facilities. Insert the appropriate map symbol from Part F in column C.**

<table>
<thead>
<tr>
<th>A. Lagoon, Pond, or Other Location</th>
<th>B. Size</th>
<th>C. Map Symbol</th>
<th>D. Primary Use</th>
<th>E. Condition</th>
<th>F. Permitted or Registered</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Good Fair Poor</td>
<td>YES NO Unknown</td>
</tr>
</tbody>
</table>

- Pond
- Size: Small
- Map Symbol: ?
- Primary Use: Livestock

- Pond
- Size: Small
- Map Symbol: ?
- Primary Use: Unknown
35. Are there any wells located on the property?

<table>
<thead>
<tr>
<th>YES</th>
<th>NO</th>
<th>Unknown</th>
</tr>
</thead>
</table>

TABLE 7 - Wells. Insert the appropriate map symbol from Part F in column B.

<table>
<thead>
<tr>
<th>A. Location of Well</th>
<th>B. Map Symbol</th>
<th>C. Use</th>
<th>D. Depth</th>
<th>E. Described Condition of Well and casing</th>
<th>F. Construction</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>D I O A</td>
<td></td>
<td>Good</td>
<td>Fair</td>
</tr>
</tbody>
</table>

("D" - Domestic, "I" - Irrigation, "O" - Other, "A" - Abandoned)

36. If applicable, is there evidence of well contamination such as signs of using an area immediately adjacent to the well(s) listed in TABLE 7 for the filling of spray tanks? (If "YES", provide the number of the well(s) from TABLE 7: No wells)

37. Is there any evidence or do you have prior knowledge that contaminants have been identified in either a well or water system with levels that exceed regulatory acceptable levels? (If "YES", provide the number of the well(s) from TABLE 7:)

38. If drinking water is not obtained from a groundwater source on the property, where does the supply come from?

Rural H2O

39. If a residence is located on the property, what type of waste or septic system is used? Describe condition of such system along with distance of system from any drinking water sources:

STD Septic System

PART E - RECORDS SEARCH

40. Are there any National Priority List (NPL) sites within 1 mile of the property?

41. Are there any Comprehensive Environmental Response, Compensation, and Liability Information System (CERCLIS) sites located within .5 mile of the property?

42. Are there any sites listed by the State within 1 mile of the property which are equivalent to NPL sites?

43. Based on State maintained data, are there any Leaking Underground Storage Tanks (LUST) within 1 mile of the property?

44. Based on State maintained data, are there any solid waste landfill sites located within 1 mile of the property?
PART F - VISUAL REPRESENTATION OF PROPERTY - In lieu of a sketch, the preparer may attach an aerial photograph with boundaries and areas of concern identified and/or multiple site photographs documenting/supporting form answers.

Legend and Map Symbols:

U  UST
A  AST
R  Residence
B  Building
ST Septic Tank and System
--- Creek, stream, river
--- Public road
CM Cemetery
— Private road or driveway
BT Batteries
T  Tires
Y  Barrel or drum

 +++  Railroad
PL  Pond or lagoon
D  Dump or other possibly contaminated site
GB  Grain bin or silo
WD  Well-Drinking Water
WI  Well-Irrigation
WO  Well-Other
WA  Well-Abandoned
SS  Stained Soil
W  Wetland
†  Transformer
C  Containers
PART G - CONCLUSION

I have reviewed the documents in the case file and have made a site inspection. The result of this site inspection is:

☐ 1. Evidence of contamination was found or observed on the property and further evaluation through a Phase II ESA is recommended.

☐ 2. The preliminary environmental assessment results were found to be inconclusive and further evaluation through a Phase II ESA is recommended.

☐ 3. Evidence of contamination was found but was not noted to be significant to require further evaluation.

☐ 4. No evidence of contamination was found or observed and no further evaluation is needed.

To the best of my knowledge, the above statement and facts are true and correct, and to the best of my knowledge, no facts or information have been misrepresented or omitted:

[Signature]
Lennie D. Farris

8-1-12

5. Signature of Preparer

6. Date

7. Printed Name of Preparer

8. Title of Preparer and Agency or Lender: [FM]

9. Address (Zip Code): 2898 Point Circle, Fay, AR 72704

10. Telephone Number (Area Code): 479-521-4520

PART H - UPDATE INFORMATION

1. For Update 1:
   A. Date Updated
   B. Updated by:
   C. Title
   D. Agency/Lender

2. For Update 2:
   A. Date Updated
   B. Updated by:
   C. Title
   D. Agency/Lender

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KNOW ALL MEN BY THESE PRESENTS:

THAT GEORGE KICKETS AND LOUETTA KICKETS, HUSBAND AND WIFE, hereinafter called GRANTOR, for and in consideration of the sum of Ten Dollars and other valuable considerations, in hand paid by RICHARD CAMPBELL AND MARY CAMPBELL, HUSBAND AND WIFE, the receipt of which is hereby acknowledged, do hereby grant, bargain, sell and convey unto RICHARD CAMPBELL AND MARY CAMPBELL, HUSBAND AND WIFE, hereinafter called GRANTEE, and unto their heirs and assigns forever, the following lands lying in Newton County, Arkansas, to-wit:

A PART OF THE SW 1/4 OF THE NW 1/4 OF SECTION 28, TOWNSHIP 15 NORTH, RANGE 20 WEST, DESCRIBED AS COMMENCING AT THE SW CORNER OF SW 1/4 SH 1/4 AND RUN NORTH WITH PROPERTY LINE 660 FEET TO POINT OF REAL BEGINNING; THEREFROM CONTINUE NORTH WITH LINE 660 FEET TO NW CORNER OF SW 1/4 SH 1/4; THENCE EAST WITH NORTH LINE 625 FEET; THENCE SOUTH 660 FEET; THENCE WEST 625 FEET TO POINT OF REAL BEGINNING.

ALSO ALL THAT PART OF THE EAST 1/2 OF THE SE 1/4 OF SECTION 29, TOWNSHIP 15 NORTH, RANGE 20 WEST, Lying North and West of the County Road, more particularly described as commencing at the SE CORNER OF SECTION 29; THENCE WEST 10 CHAINS TO POINT OF REAL BEGINNING; THENCE NORTH 25 DEGREES WEST 1.43 CHAINS; NORTH 2 DEGREES EAST 3 CHAINS; NORTH 12 1/2 DEGREES EAST 2.44 CHAINS; NORTH 15 DEGREES WEST 2.47 CHAINS; NORTH 20 DEGREES WEST 1.56 CHAINS; NORTH 14 DEGREES WEST 3.97 CHAINS; NORTH 60 DEGREES EAST 15.50 CHAINS; NORTH 56 DEGREES EAST 1.39 CHAINS TO CENTER OF A COUNTY ROAD; THENCE WITH SAID COUNTY ROAD RUN SOUTH TO WHERE THE ROAD FORKS; THENCE WITH THE NORTHERN OR RIGHT HAND FORK OF THE COUNTY ROAD, RUN SOUTHERLY TO THE SOUTH LINE OF THE SE 1/4 SE 1/4; THENCE WEST WITH THE SOUTH LINE, TO THE POINT OF BEGINNING.

To have and to hold the same unto the said GRANTEE, and unto their heirs and assigns forever, with all appurtenances thereunto belonging.

And we hereby covenant with said GRANTEE, that we will forever warrant and defend the title to the said lands against all claims whatever.

And we, the GRANTORS, for and in consideration of the sum of money do hereby release and relinquish unto the said GRANTEE, all our right of dower, curtesy and homestead in and to the said lands.

WITNESS our hands and seals on this 4th day of January, 1999.

[Signature]

[Signature]
WARRANTY DEED

With Re却ishment of Dower and Curtesy

KNOW ALL MEN BY THESE PRESENTS: That we, Loyd Campbell and Freda Campbell, husband and wife, hereinafter called GRANTORS, for and in consideration of the sum of Ten and No/100 Dollars ($10.00) and other valuable consideration in and paid by Richard E. Campbell and Mary L. Campbell, husband and wife, the receipt of which is hereby acknowledged, do hereby grant, bargain, sell and convey unto the said Richard E. Campbell and Mary L. Campbell, husband and wife, hereinafter called GRANTEES, and unto their heirs and assigns forever, the following lands lying in Newton County, Arkansas, to wit:

A part of the NW1/4 of the NW1/4 of Section 33, Township 15 North, Range 20 West, containing 15 acres, more or less, and more particularly described as follows: Commencing at the NW corner of said forty and run thence South 6 chains and 13 links for an ACTUAL POINT OF BEGINNING (said point being a hollow and a branch); thence with said branch, run South 75° East 2 chains and 20 links; thence South 57° East 3 chains and 70 links; thence South 44° East 2 chains; thence South 52° East 2 chains and 50 links; thence South 37° East 9 chains and 50 links to the South line of said forty; thence West to the SE corner of the NW1/4 NW1/4; thence North to the Point of Real Beginning.

ALSO a part of the SE1/4 of the NW1/4 of Section 33, Township 15 North, Range 20 West, containing 12.50 acres, more or less, and more particularly described as follows: Beginning at the NW corner of said forty; run South 10.32 chains to a bluff; thence North 41° East 29 links; thence North 51° East 69 links; thence North 60° East 76 links; thence North 60° East 130 chains; thence North 72° East 1 chain; thence North 80° East 1.93 chains; thence North 88° East 77 links; thence North 75° East 1 chain; thence South 25° East 50 links; thence North 13.85 chains; thence North 2.27 chains; thence West 20 chains to the place of beginning.

ALSO a part of the NW1/4 of the NW1/4 of Section 33, Township 15 North, Range 20 West, containing 6.30 acres, more or less, and more particularly described as follows: Commencing at the NW corner of said forty and run thence South 6 chains and 13 links to the center of a hollow and a branch for a POINT OF REAL BEGINNING; thence continue South with the East line of the NW1/4 NW1/4 13.37 chains to the SE corner of said forty; thence run West with the South forty line, 300 feet; thence run North to the centerline of the branch and the hollow; thence with said branch and hollow, run Southeasterly to the Point of Real Beginning.

Conveying in the aggregate herein, 31.60 acres, more or less.

TO HAVE AND TO HOLD the same unto the said GRANTEES and unto their heirs and assigns forever, with all appurtenances thereunto belonging.

And we hereby covenant with said GRANTEES that we will forever warrant and defend the title to the said lands against all claims whatever.

And we, Loyd Campbell and Freda Campbell, husband and wife, for and in consideration of the sum of money, do hereby release and relinquish unto the said GRANTEES, all our right of dower, curtesy and homestead in and to the said lands.

WITNESS our hands and seals on this 11th day of October, 1993.

[Signature]

11/11/93
ENIRONMENTAL RISK SURVEY FORM

PART A - SITE INFORMATION
1. Site Name
   Ph. J e t]e Campbell
2. Address (Include City, State, Zip Code and County)
3. Case Number 45-513 89641
4. Township 15
5. Range 22
6. Section 22, 23, 26
7. Directions to property: (From nearest town)
   3 miles SW Parthenon
8. Nearest Intersection
   Mangan Rd
9. Property Size 120 AC
10. Describe the current use of the property
    Woods

PART B - SITE OWNERSHIP HISTORY AND BACKGROUND
11A. Previous Owner
    Ph. J e t]e Campbell
11B. Current Operator
12. Previous owner(s):
   A. Name: W. H. & Sa f. Vas
   B. Dates owned:
      8/11
13. Date USDA became involved with the property (Date of first loan or application)
    8-1-12

PART C - SITE DATA
14. Are there any buildings on the property? YES NO

TABLE 1 - Buildings or Other Structures. Insert the appropriate map symbol from Part F in column B

<table>
<thead>
<tr>
<th>A. Type of Structure</th>
<th>B. Map Symbol</th>
<th>C. Year Built</th>
<th>D. Used for Chemical Storage and/or Mixing</th>
<th>E. Contains Lead Based Paint</th>
<th>F. Contains Asbestos</th>
</tr>
</thead>
<tbody>
<tr>
<td>Buildings</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Questions 15 through 22 are used to establish the present use of the property as well as any historical use which may be a contributing factor in any present contamination concerns.

<table>
<thead>
<tr>
<th>Question</th>
<th>A. Owner or Occupant</th>
<th>B. Observed During Visit</th>
</tr>
</thead>
<tbody>
<tr>
<td>15. Has the property ever been used for industrial production such as a machine shop?</td>
<td>YES NO Unknown</td>
<td>YES NO Unknown</td>
</tr>
<tr>
<td>16. Have any adjoining properties been used for industrial production such as a machine shop?</td>
<td>YES NO Unknown</td>
<td>YES NO Unknown</td>
</tr>
<tr>
<td>17. Has the property ever been used for the production or exploration of petroleum?</td>
<td></td>
<td>YES NO Unknown</td>
</tr>
<tr>
<td>18. Has the property ever been used as a base location for an aerial crop spraying or dusting service?</td>
<td>YES NO Unknown</td>
<td></td>
</tr>
</tbody>
</table>
19. Has a gasoline station or any other commercial activity that stored large amounts of solvents, pesticides or other chemicals ever operated on the property?

21. Has the property ever been used as a junkyard or landfill including a site where drums or other containers of chemicals were buried?

22. Have any adjoining properties ever been used as a junkyard or landfill including a site where drums or other containers of chemicals were buried?

23. Are there any LUSTs on the property which have been permanently closed?

24. Are there any environmental fines or judgments filed against the property as a result of not complying with Federal or State environmental laws?

25. Is the property involved in any lawsuits regarding environmental compliance issues?

26. Are there any chemical containers including 55-gallon drums used for pesticides or other hazardous substances located on the property?

<table>
<thead>
<tr>
<th></th>
<th>YES</th>
<th>NO</th>
<th>Unknown</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**TABLE 2 - Containers or Drums. Insert the appropriate map symbol from Part F in column B.**

<table>
<thead>
<tr>
<th>A. Container Location</th>
<th>B. Map Symbol</th>
<th>C. Container Contents</th>
<th>D. EPA Reg. (if available)</th>
<th>E. Estimated Quantity</th>
<th>F. Is the Container Leaking?</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

27. Are there any abandoned or discarded automotive, tractor, farm machinery, industrial, or other batteries present on the property?

<table>
<thead>
<tr>
<th></th>
<th>YES</th>
<th>NO</th>
<th>Unknown</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**TABLE 3 - Batteries. Insert the appropriate map symbol from Part F in column B.**

<table>
<thead>
<tr>
<th>A. Location of Batteries</th>
<th>B. Map Symbol</th>
<th>C. Estimated Quantity</th>
<th>D. Are Any of the Batteries Leaking?</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

28. Are there any appliances, junk automobiles, tractors, farm machinery, abandoned tires, or other automobile or tractor related parts present on the property?

<table>
<thead>
<tr>
<th></th>
<th>YES</th>
<th>NO</th>
<th>Unknown</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**TABLE 4 - Abandoned Machinery, Tires or Other Equipment. Insert the appropriate map symbol from Part F in column B.**

<table>
<thead>
<tr>
<th>A. Location of Appliances, Machinery, Tires or Parts</th>
<th>B. Map Symbol</th>
<th>C. Estimated Quantity</th>
<th>D. Type of Tires or Parts</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
29. Are there any signs of fill dirt present on the property which might indicate covering of contaminants? If "YES", provide the location and map symbol:

30. Are there any areas of stained soil on the property? If "YES", provide the location and map symbol, and appropriate size. Also attach photographs.

31. Are there any areas of the property such as floors in buildings which are stained? If "YES", provide the location and map symbol for the affected buildings.

32. Are there any electrical transformers located on the property which are not labeled as "PCB Free"? If "YES", provide the location and map symbol.

33. Does the property contain any USTs or above ground storage tanks (ASTs) currently in operation or which have been temporarily closed? If "YES", complete TABLE 5.

TABLE 5 - Storage Tanks. Insert the appropriate map symbol from Part F in column C.

<table>
<thead>
<tr>
<th>A. Tank Location</th>
<th>B. Size if known</th>
<th>C. Map Symbol</th>
<th>D. What Type</th>
<th>E. If &quot;UST&quot;, is it Registered?</th>
<th>F. Does the Tank Contain Any Substance?</th>
<th>G. If &quot;YES&quot;, What Substance</th>
<th>H. Is the Tank Known to be Leaking?</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td>AST UST</td>
<td>YES NO Unknown</td>
<td>YES NO Unknown</td>
<td>YES NO Unknown</td>
<td>YES NO Unknown</td>
</tr>
</tbody>
</table>

PART D - WATER AND WASTE INFORMATION

34. Are there any lagoons, ponds or other liquid holding facilities present on the property?

Yes No Unknown If "YES", complete TABLE 6.

TABLE 6 - Lagoons, Ponds or Other Holding Facilities. Insert the appropriate map symbol from Part F in column C.

<table>
<thead>
<tr>
<th>A. Lagoon, Pond, or Other Location</th>
<th>B. Size</th>
<th>C. Map Symbol</th>
<th>D. Primary Use</th>
<th>E. Condition</th>
<th>F. Permitted or Registered</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Good Fair Poor</td>
<td>YES NO Unknown</td>
</tr>
</tbody>
</table>
35. Are there any wells located on the property?  
   YES  [ ]  NO  [ ]  Unknown  [ ]  If "YES", complete Table 7.

**Table 7 - Wells. Insert the appropriate map symbol from Part F in column B.**

| A. Location of Well | B. Map Symbol | C. Use if  
| D | I | O | A | D. Depth | E. Described Condition of Well and Casing | F. Construction |
|---------------------|---------------|-------------
|                      |               |             |
|                      |               |             |
|                      |               |             |
|                      |               |             |
|                      |               |             |
|                      |               |             |

If "D" - Domestic  "I" - Irrigation  "O" - Other  "A" - Abandoned

36. If applicable, is there evidence of well contamination such as signs of using an area immediately adjacent to the well(s) listed in Table 7 for the filling of spray tanks?  
   YES  [ ]  NO  [ ]  Unknown  [ ]  If "YES", provide the number of the well(s) from Table 7.

37. If drinking water is not obtained from a groundwater source on the property, where does the supply come from?

39. If a residence is located on the property, what type of waste or septic system is used? Describe condition of such system along with distance of system from any drinking water sources.

**PART E - RECORDS SEARCH**

40. Are there any National Priority List (NPL) sites within 1 mile of the property?  
   YES  [ ]  NO  [ ]

41. Are there any Comprehensive Environmental Response, Compensation, and Liability Information System (CERCLIS) sites located within .5 mile of the property?  
   YES  [ ]  NO  [ ]

42. Are there any sites listed by the State within 1 mile of the property which are equivalent to NPL sites?  
   YES  [ ]  NO  [ ]

43. Based on State maintained data, are there any Leaking Underground Storage Tanks (LUST) within 1 mile of the property?  
   YES  [ ]  NO  [ ]

Based on State maintained data, are there any solid waste landfill sites located within 1 mile of the property?  
   YES  [ ]  NO  [ ]
PART F - VISUAL REPRESENTATION OF PROPERTY - In lieu of a sketch, the preparer may attach an aerial photograph with boundaries and areas of concern identified and/or multiple site photographs documenting/supporting form answers.

Legend and Map Symbols:

U  UST  ++++  Railroad
A  AST  PL   Pond or lagoon
R  Residence D   Dump or other possibly contaminated site
B  Building GB   Grain bin or silo
ST  Septic Tank and System WD  Well-Drinking Water
---  Creek, stream, river WI  Well-Irrigation
---  Public road WO  Well-Other
CM  Cemetery WA  Well-Abandoned
—  Private road or driveway SS  Stained Soil
BT  Batteries W  Wetland
T  Tires †  Transformer
        C  Containers

See aerial
PART G - CONCLUSION

I have reviewed the documents in the case file and have made a site inspection. The result of this site inspection is:

☐ 1. Evidence of contamination was found or observed on the property and further evaluation through a Phase II ESA is recommended.

☐ 2. The preliminary environmental assessment results were found to be inconclusive and further evaluation through a Phase II ESA is recommended.

☐ 3. Evidence of contamination was found but was not noted to be significant to require further evaluation.

☐ 4. No evidence of contamination was found or observed and no further evaluation is needed.

To the best of my knowledge, the above statement and facts are true and correct, and to the best of my knowledge, no facts or information have been misrepresented or omitted:

[Signature]

6. Date

7. Printed Name of Preparer

<table>
<thead>
<tr>
<th>8. Title of Preparer and Agency or Lender</th>
<th>9. Address (Zip Code)</th>
<th>10. Telephone Number (Area Code)</th>
</tr>
</thead>
<tbody>
<tr>
<td>FLM</td>
<td>2898 Plyncrofe</td>
<td>479-521-4520</td>
</tr>
<tr>
<td></td>
<td>Fayetteville, AR</td>
<td></td>
</tr>
<tr>
<td></td>
<td>72704</td>
<td></td>
</tr>
</tbody>
</table>

PART H - UPDATE INFORMATION

1. For Update 1:

A. Date Updated

B. Updated by:

C. Title

D. Agency/Lender

2. For Update 2:

A. Date Updated

B. Updated by:

C. Title

D. Agency/Lender

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WARRANTY DEED

KNOW ALL MEN BY THESE PRESENTS:

That, Janie Mae James and Jerry James, wife and husband, GRANTOR(S), for and in consideration of the sum of TEN DOLLARS and other good and valuable consideration in hand paid by Julie Campbell and Philip Campbell, wife and husband, GRANTEE(S), the receipt of which is hereby acknowledged, do hereby grant, bargain, sell and convey unto the said GRANTEE(S), and unto their and assigns forever, the following lands lying in the County of Newton and the State of Arkansas to-wit:

The Southeast Quarter of the Southeast Quarter of Section 22, Township 1S North, Range 22 West.
The Southwest Quarter of the Southwest Quarter of Section 23, Township 1S North, Range 22 West.
The Northwest Quarter of the Northwest Quarter of Section 26, Township 1S North, Range 22 West.

To have and to hold the same unto the said Julie Campbell and Philip Campbell, wife and husband, GRANTEE(S), and unto their and assigns forever, with all appurtenances thereunto belonging.

And we hereby covenant with said GRANTEE(S) that we will forever warrant and defend the title to the said lands against all claims whatsoever.

And we, Janie Mae James and Jerry James, wife and husband, GRANTOR(S), for and in consideration of said sum, do hereby release and relinquish unto the same Grantee all our rights of curtesy, dower and homestead to the said lands.

WITNESS our hands and seals on this 4th day of August, 2011.

Janie Mae James

Jerry James

I certify under penalty of false swearing that at least the legally correct amount of documentary stamps have been placed on this instrument.

JULIE CAMPBELL

Address: 230 Box 265

JAGGER, AR 72631

OFFICE OF THE CIRCUIT CLERK

NEWTON COUNTY ARKANSAS

AUG 7 2011

11:15 A.M.  PM.

BOOK 176-A PAGE 689

DONNIE DAVIS

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Page 22 of 28
Map Addendum

The legal description in the Real Estate Security Identification is correct except as follows:

(Use standard legend for farm plate. Show public roads, any private access to property, direction and distance to nearest town. If rural housing indicate lot or site dimensions and distance of dwelling from closest property line; also show location of nearest adjacent housing and other structures.)

Phillip and Julie Campbell

Jim Wiedeman #505
Date: 01/30/12

120

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Farm Service Agency
ENVIRONMENTAL INSPECTION REPORT

Identification
Name: Phillip and Julie Campbell
Legal Description (attach separate page, if necessary) See Appraisal Report.

Section, Township, Range, County

Acres in Property: 120 Ac +/-

Level of Inspection
a. Physically inspected property? Yes No
b. Interviewed owner or operator? Yes No
c. Other methods of inspection? Yes No
If yes to c, explain other methods: If no to a, b, or c, comment on limitations:

Storage Tanks
Yes No
If yes, comment on size, age, type, use, number, permits, location, condition, etc.:

Collection/Disposal Sites
Domestic Use: Yes No
Commercial Use: Yes No
If yes, comment on type, landfill, lagoon, holding pond, dumpsite, location, was a permit obtained; the distance to the well, drainage ditch, stream, etc.:

Drums/Containers
Yes No
If yes, comment on type, i.e. pesticide, oil, fuel, lubricants, paint, etc.:

Customer Fertilizer and Chemical Business
Yes No
If yes, comment on what type of business, location, permits:

Livestock Facilities
Yes No
If yes, comment on type, confinement, feedlot capacity, type of manure disposal, location to wells, streams, etc.:
Asbestos
If yes, comment:

Neighborhood/Adjacent High Risk Properties
If yes, comment on type (e.g., landfill, abandoned gas station, storage, etc.), and evidence or knowledge of contamination:

Miscellaneous
Is there evidence of existing/potential environmental hazards which have not previously been addressed (e.g., ag drainage wells, abandoned wells, sinkholes, unexplained pipe or opening in the ground)?

Residences (rural homes, headquarters tracts, part-time farms, etc.)
Potable Water Sources:
If private, system in compliance with health regulations?
If tested, note date of test and results:

Sewer
If private, system in compliance with health organizations?
Has radon test been performed?
If tested, note date of test and results:

Comments
Identify any existing or potential contamination on the subject property. Assess levels of risk; other concerns, etc. Continue on separate sheet, if necessary. Attach photos.

Limitations
The appraiser shall not be relied upon as an environmental expert, and the inspection shall not be considered an environmental audit.

Certification: I certify that to the best of my knowledge and belief this report is true and correct.

Signature of Appraiser:

Date: 01/30/12

NOTE: If there appear to be environmental problems, the County Planner should contact the State Environmental Coordinator.
DRIVING DIRECTIONS

PROPERTY

Property is located approximately 1.6 miles west of Mt. Judea, Arkansas. From Mt. Judea go approximately .8 miles on County Road 54. Turn right on County Road 41 and go approximately .75 miles. The site is located on the left hand side of the road on a logging trail.

LEGAL DESCRIPTION

T15N, R20W, Sec 26
**SECTION I - LOAN INFORMATION**

1. **LENDER NAME AND ADDRESS:**
   - Account Number: 100-0146-070
   - Address: FARM CREDIT SERVICES OF WAR-09, 129 W INDUSTRIAL PARK RD, HARRISON, AR 72601
   - Phone: (870)741-2020
   - Fax: (870)741-5851
   - Loan Officer/Processor: DAN
   - Delivery Method: FDR.COM - WEB

2. **COLLATERAL (Building/Mobile Home/Personal Property)**
   - **PROPERTY ADDRESS** (Legal description may be attached):
     - **Borrower:** CAMPBELL, PHILLIP
     - **Determination Address:** COUNTY ROAD 284, VENDOR, AR 72683, NEWTON COUNTY
     - **AFN/Tax ID:** Block: Phase:
     - **Lot:** Subdivision: Section: Township: 15 Range: 20
     - **Requested Address:** COUNTY ROAD 284, VENDOR, AR 72683, NEWTON COUNTY

3. **LENDER I.D. NUMBER:** 817156
4. **LOAN IDENTIFIER:** 1234567890

**SECTION II**

A. **NATIONAL FLOOD INSURANCE PROGRAM (NFIP) COMMUNITY JURISDICTION**

1. **NFIP Community Name:**
   - NEWTON COUNTY
2. **County(ies):**
   - Unincorporated Areas
3. **State:** AR
4. **NFIP Community Number:** 050455

B. **NATIONAL FLOOD INSURANCE PROGRAM (NFIP) DATA AFFECTING BUILDING / MOBILE HOME**

1. **NFIP Map Panel Number or Community Panel Number (Community Name, if not the same as "A")**
   - none
2. **NFIP Map Panel Effective / Revised Data:**
   - Yes Date none X
3. **LOMA / LOMR:**
4. **Flood Zones:**
5. **No NFIP Map**

C. **FEDERAL FLOOD INSURANCE AVAILABILITY (Check all that apply)**

1. Federal flood insurance is available (community participates in NFIP).
2. Federal flood insurance is not available because community is not participating in the NFIP.
3. Building / Mobile Home is in a Coastal Barrier Resources Area (CBRA) or Otherwise Protected Area (OPA). Federal flood insurance may not be available.

**D. DETERMINATION**

IS BUILDING / MOBILE HOME IN A SPECIAL FLOOD HAZARD AREA (ZONES CONTAINING THE LETTERS "A" OR "V")?

- **YES**
- **NO**

**E. COMMENTS (Optional)**


**LIFE OF LOAN DETERMINATION**

This flood determination is provided solely for the use and benefit of the entity named in Section I, Box 1 in order to comply with the 1994 Reform Act and may not be used or relied upon by any other entity or individual for any purpose, including, but not limited to deciding whether to purchase a property or determining the value of a property.

This determination is based on examining the NFIP map, any Federal Emergency Management Agency revisions to it, and any other information needed to locate the building / mobile home on the NFIP map.

**F. PREPARER’S INFORMATION (If other than Lender):**

- **NAME, ADDRESS, TELEPHONE NUMBER:** LPS National Flood, 1521 N Cooper St, Fourth Floor, Arlington, TX 76011-5942
- **ORDER NUMBER:** 209-9482-431
- **DATE OF DETERMINATION:** August 03, 2012

FEMA Form 81-93, DEC 08

PHILLIP'S DAD'S HOME
DEPARTMENT OF HOMELAND SECURITY - FEDERAL EMERGENCY MANAGEMENT AGENCY
STANDARD FLOOD HAZARD DETERMINATION
See the attached instructions. O.M.B. No. 1660-0040 Expires December 31, 2011

SECTION 1 - LOAN INFORMATION

1. LENDER NAME AND ADDRESS:
   Account Number: 106-0148-070
   Address: FARM CREDIT SERVICES OF WAR-09
             129 W INDUSTRIAL PARK RD
             HARRISON, AR 72601
   Phone: (870)741-2020
   Fax: (870)741-5851

2. COLLATERAL. (Building/Mobile Home/Personal Property)
   PROPERTY ADDRESS (Legal description may be attached):
   Borrower: CAMPBELL, RICHARD
   Determination Address:
   COUNTY ROAD 284
   VENDOR, AR 72683
   NEWTON COUNTY
   APN/Tax ID: 
   Lot: 
   Block: 
   Phase:
   Subdivision:
   Section: 33
   Township: 15
   Range: 20

3. LENDER I.D. NUMBER: 817156
4. LOAN IDENTIFIER: 1234567890
5. AMOUNT OF FLOOD INSURANCE REQUIRED (optional):

SECTION II

A. NATIONAL FLOOD INSURANCE PROGRAM (NFIP) COMMUNITY JURISDICTION

<table>
<thead>
<tr>
<th>1. NFIP Community Name</th>
<th>2. County(ies)</th>
<th>3. State</th>
<th>4. NFIP Community Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>NEWTON COUNTY*</td>
<td>Unincorporated Areas</td>
<td>AR</td>
<td>050455</td>
</tr>
</tbody>
</table>

B. NATIONAL FLOOD INSURANCE PROGRAM (NFIP) DATA AFFECTING BUILDING / MOBILE HOME

<table>
<thead>
<tr>
<th>NFIP Map Number or Community Panel Number (Community Name, If not the same as &quot;A&quot;)</th>
<th>2. NFIP Map Panel Effective / Revised Date</th>
<th>3. LOMA / LOMR</th>
<th>4. Flood Zone</th>
<th>5. No NFIP Map</th>
</tr>
</thead>
<tbody>
<tr>
<td>none</td>
<td>Yes</td>
<td>Date</td>
<td>none</td>
<td>X</td>
</tr>
</tbody>
</table>

C. FEDERAL FLOOD INSURANCE AVAILABILITY (Check all that apply)

1. Federal flood insurance is available (Community participates in NFIP).
2. Federal flood insurance is not available because Community is not participating in the NFIP.
3. Building / Mobile Home is in a Coastal Barrier Resource Area (CBRA) or Other Protected Area (OPA). Federal flood insurance may not be available. CBRA/OPA designation date:

D. DETERMINATION

IS BUILDING / MOBILE HOME IN A SPECIAL FLOOD HAZARD AREA (ZONES CONTAINING THE LETTERS "A" OR "V")?

- [ ] YES
- [x] NO

If yes, flood insurance is required by the Flood Disaster Protection Act of 1973. If no, flood insurance is not required by the Flood Disaster Protection Act of 1973.

E. COMMENTS (Optional)

HMUDA Information

<table>
<thead>
<tr>
<th>State</th>
<th>County</th>
<th>MSAMMD</th>
<th>CT.</th>
</tr>
</thead>
<tbody>
<tr>
<td>05</td>
<td>101</td>
<td>1802</td>
<td></td>
</tr>
</tbody>
</table>

Compliance Quick Check

- Is Flood Insurance Required? [NO]
- Is NFIP Insurance Available? [NO]

This flood determination is provided solely for the use and benefit of the entity named in Section 1, Box 1 in order to comply with the 1994 Reform Act and may not be used or relied upon by any other entity or individual for any purpose, including, but not limited to deciding whether to purchase a property or determining the value of a property.

This determination is based on examining the NFIP map, any Federal Emergency Management Agency revisions to it, and any other information needed to locate the building / mobile home on the NFIP map.

F. PREPARER'S INFORMATION (If other than Lender): ORDER NUMBER: 209-0482-530

NAME, ADDRESS, TELEPHONE NUMBER:

LPS National Flood
1521 N Cooper St
Fourth Floor
Arlington, TX 76011-5942
Phone: 1.800.833.6347
Fax: 1.800.662.6347

DATE OF DETERMINATION: August 03, 2012

RICHARD'S HOME

FEMA Form 81-93, DEC 08
DEPARTMENT OF HOMELAND SECURITY - FEDERAL EMERGENCY MANAGEMENT AGENCY
STANDARD FLOOD HAZARD DETERMINATION

SECTION I - LOAN INFORMATION

1. LENDER NAME AND ADDRESS:
   Account Number: 100-0146-079
   Address: FARM CREDIT SERVICES OF WAR-89
             129 W INDUSTRIAL PARK RD
             HARRISON, AR 72601
   Phone: (870)741-2020
   Fax: (870)741-5851
   Loan Officer/Processor: DAN
   Delivery Method: EDR-COM - WEB

2. COLLATERAL (Building/Mobile Home/Personal Property)
   Borrower: HENSON, JASON
   PROPERTY ADDRESS: (Legal description may be attached):
   Determine Address
   HIC 72 BOX 10
   MOUNT JUDEA, AR 72655-9519
   NEWTON COUNTY
   APN/TAX ID
   Lot: Block:
   Subdivision:
   Section: 25 Township: 15
   Requested Address
   HIC 72 BOX 10
   MOUNT JUDEA, AR 72655-9519
   NEWTON COUNTY

3. LENDER I.D. NUMBER: 817156
   4. LOAN IDENTIFIER: 1234567890
   5. AMOUNT OF FLOOD INSURANCE REQUIRED (Optional):

SECTION II

A. NATIONAL FLOOD INSURANCE PROGRAM (NFIP) COMMUNITY JURISDICTION

1. NFIP Community Name
   NEWTON COUNTY
   2. County(ies)
   Unincorporated Areas
   3. State
   AR
   4. NFIP Community Number
   050455

B. NATIONAL FLOOD INSURANCE PROGRAM (NFIP) DATA AFFECTING BUILDING / MOBILE HOME

1. NFIP Map Number or Community Panel Number
   Community Name: NEWTON COUNTY
2. NFIP Map Panel Effective/Revoked Date
   none
3. LOMA / LOMR
   none
4. Flood Zone
   X
5. No NFIP Map

C. FEDERAL FLOOD INSURANCE AVAILABILITY (Check all that apply)
   1. ❌ Federal flood insurance is available (community participates in NFIP)
   2. ❌ Federal flood insurance is not available (community is not participating in the NFIP)
   3. ❌ Building / Mobile home is in a Coastal Barrier Resources Area (CBRA) or Otherwise Protected Area (OPA), Federal flood insurance may not be available.

D. DETERMINATION

IS BUILDING / MOBILE HOME IN A SPECIAL FLOOD HAZARD AREA
(ZONES CONTAINING THE LETTERS "A" OR "V")?
   □ YES ☒ NO

If you, flood insurance is required by the Flood Disaster Protection Act of 1973.
If no, flood insurance is not required by the Flood Disaster Protection Act of 1973.

E. COMMENTS (Optional)

HMDA Information
   State: 05
   County: 101
   MSAM/ID: CT
   CT: 1802.0
   Is Flood Insurance Required? ☒ NO
   Is NFIP Insurance Available? ☒ NO

F. PREPARERS INFORMATION (If other than Lender):

NAME, ADDRESS, TELEPHONE NUMBER:
   LPS National Flood
   1521 N Cooper St
   Fourth Floor
   Arlington, TX 76011-5942
   Phone: 1.800.833.6347
   Fax: 1.800.692.6347

ORDER NUMBER: 209-9481-321
DATE OF DETERMINATION: August 03, 2012

JASON HENSON'S HOME
**DEPARTMENT OF HOMELAND SECURITY - FEDERAL EMERGENCY MANAGEMENT AGENCY**  
**STANDARD FLOOD HAZARD DETERMINATION**  

**SECTION 1 - LOAN INFORMATION**

<table>
<thead>
<tr>
<th>Account Number: 100-0148-070</th>
<th><strong>2. COLLATERAL</strong> (Building/Mobile Home/Personal Property)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>PROPERTY ADDRESS</strong> (Legal description may be attached): Borrower: CAMPBELL, RICHARD</td>
<td></td>
</tr>
<tr>
<td><strong>Determination Address</strong></td>
<td><strong>PROPERTY ADDRESS</strong> (Legal description may be attached):</td>
</tr>
<tr>
<td>HC 31 BOX 135</td>
<td>Borrower: CAMPBELL, RICHARD</td>
</tr>
<tr>
<td>JASPER, AR 72641-9412</td>
<td><strong>Determination Address</strong></td>
</tr>
<tr>
<td>NEWTOWN COUNTY</td>
<td><strong>Determination Address</strong></td>
</tr>
<tr>
<td><strong>APN/Tax ID</strong></td>
<td><strong>Block:</strong></td>
</tr>
<tr>
<td></td>
<td><strong>Phase:</strong></td>
</tr>
<tr>
<td><strong>Let:</strong></td>
<td><strong>Subdivision:</strong></td>
</tr>
<tr>
<td><strong>Section:</strong></td>
<td><strong>Township:</strong> 15</td>
</tr>
<tr>
<td><strong>Range:</strong> 21</td>
<td><strong>Requested Address</strong></td>
</tr>
<tr>
<td><strong>Requested Address</strong></td>
<td><strong>Requested Address</strong></td>
</tr>
<tr>
<td>HC 31 BOX 135</td>
<td><strong>Requested Address</strong></td>
</tr>
<tr>
<td>JASPER, AR 72641-9412</td>
<td><strong>Requested Address</strong></td>
</tr>
<tr>
<td>NEWTOWN COUNTY</td>
<td><strong>Requested Address</strong></td>
</tr>
<tr>
<td><strong>3. LENDER ID. NUMBER:</strong> 817156</td>
<td><strong>4. LOAN IDENTIFIER:</strong> 1234567890</td>
</tr>
</tbody>
</table>

**SECTION II**

**A. NATIONAL FLOOD INSURANCE PROGRAM (NFIP) COMMUNITY JURISDICTION**

<table>
<thead>
<tr>
<th>**1. ** NFIP Community Name</th>
<th>**2. ** County(ies)</th>
<th><strong>3. State</strong></th>
<th><strong>4. NFIP Community Number</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>NEWTOWN COUNTY</strong>*</td>
<td>Unincorporated Areas</td>
<td>AR</td>
<td><strong>050455</strong></td>
</tr>
</tbody>
</table>

**B. NATIONAL FLOOD INSURANCE PROGRAM (NFIP) DATA AFFECTING BUILDING / MOBILE HOME**

<table>
<thead>
<tr>
<th><strong>1. NFIP Map Number</strong> or Community Panel Number (Community Name, if not the same as &quot;A&quot;)</th>
<th><strong>2. NFIP Map Panel Effective / Revised Date</strong></th>
<th><strong>3. LOMA / LOMR</strong></th>
<th><strong>4. Flood Zone</strong></th>
<th><strong>5. NFIP Map</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>NOTE</strong></td>
<td>** Yes **</td>
<td>** Date **</td>
<td>** None **</td>
<td>** X **</td>
</tr>
</tbody>
</table>

**C. FEDERAL FLOOD INSURANCE AVAILABILITy (Check all that apply)**

1. **Yes** Federal flood insurance is available (community participates in NFIP).  
2. **No** Federal flood insurance is not available because community is not participating in the NFIP.

**D. DETERMINATION**

**IS BUILDING / MOBILE HOME IN A SPECIAL FLOOD HAZARD AREA (ZONES CONTAINING THE LETTERS "A" OR "V")?**

- **Yes**  
- **No**

**If yes, flood insurance is required by the Flood Disaster Protection Act of 1973.**

**If no, flood insurance is not required by the Flood Disaster Protection Act of 1973.**

**E. COMMENTS (Optional)**

| **PT. OF THE NS 1/2 OF THE SW 1/4 OF THIS** | **HMDA Information** | **Compliance Quick Check** |
| **NS 1/2, AND PT. OF THE NW 1/4 OF THE** | **State:** 05 | **Is Flood Insurance Required?** NO |
| **NS 1/2, AND PT. OF THE SW 1/4 OF THE** | **County:** 101 | **Is NFIP Insurance Available?** NO |
| **TWENTY 1/4 M-161, HIGHTON COUNTY, AR** | **MSA/MD:** | |
| **CT:** 1802.00 | |

**LIFE OF LOAN DETERMINATION**

This flood determination is provided solely for the use and benefit of the entity named in Section 1, Box 1 in order to comply with the 1994 Reform Act and may not be used or relied upon by any other entity or individual for any purpose, including, but not limited to deciding whether to purchase a property or determining the value of a property.

This determination is based on examining the NFIP map, any Federal Emergency Management Agency revisions to it, and any other information needed to locate the building / mobile home on the NFIP map.

**F. PREPARER'S INFORMATION (If other than Lender):**

<table>
<thead>
<tr>
<th><strong>NAME, ADDRESS, TELEPHONE NUMBER:</strong></th>
<th><strong>ORDER NUMBER:</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>LPS National Flood</td>
<td>269-9482-698</td>
</tr>
<tr>
<td>1521 N Cooper St</td>
<td><strong>DATE OF DETERMINATION:</strong></td>
</tr>
<tr>
<td>Fourth Floor</td>
<td>August 03, 2012</td>
</tr>
<tr>
<td>Arlington, TX 76011-5942</td>
<td><strong>DATE OF DETERMINATION:</strong></td>
</tr>
<tr>
<td><strong>Phone:</strong> 1.800.833.6347</td>
<td><strong>DATE OF DETERMINATION:</strong></td>
</tr>
<tr>
<td><strong>Fax:</strong> 1.800.662.6347</td>
<td><strong>DATE OF DETERMINATION:</strong></td>
</tr>
</tbody>
</table>

**OLD HOG FARM**
### DEPARTMENT OF HOMELAND SECURITY - FEDERAL EMERGENCY MANAGEMENT AGENCY
### STANDARD FLOOD HAZARD DETERMINATION

**SECTION I - LOAN INFORMATION**

<table>
<thead>
<tr>
<th>LENDER NAME AND ADDRESS:</th>
<th>2. COLLATERAL (Building/Mobile Home/Personal Property) PROPERTY ADDRESS (Legal description may be attached):</th>
</tr>
</thead>
<tbody>
<tr>
<td>Account Number: 109-0418-070</td>
<td>Borrower: C &amp; H HOG FARMS INC.</td>
</tr>
<tr>
<td>Address: FARM CREDIT SERVICES OF WAR-09 129 W INDUSTRIAL PARK RD HARRISON, AR 72601</td>
<td>Determination Address COUNTY ROAD 41 MOUNT JUDEA, AR 72655 NEWTON COUNTY</td>
</tr>
<tr>
<td>Phone: (870)741-2020</td>
<td>APN/Tax ID:</td>
</tr>
<tr>
<td>Fax: (870)741-5851</td>
<td>Lot: Block: Phase:</td>
</tr>
<tr>
<td>Loan Officer/Processor: DAN</td>
<td>Subdivision:</td>
</tr>
<tr>
<td>Delivery Method: FDR-DIG - WBB</td>
<td>Section: 26 Township: 15 Range: 20</td>
</tr>
</tbody>
</table>

**SECTION II**

**A. NATIONAL FLOOD INSURANCE PROGRAM (NFIP) COMMUNITY JURISDICTION**

<table>
<thead>
<tr>
<th>NFIP Community Name</th>
<th>County(ies)</th>
<th>State</th>
<th>NFIP Community Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>NEWTON COUNTY*</td>
<td>Unincorporated Areas</td>
<td>AR</td>
<td>050455</td>
</tr>
</tbody>
</table>

**B. NATIONAL FLOOD INSURANCE PROGRAM (NFIP) DATA AFFECTING BUILDING / MOBILE HOME**

<table>
<thead>
<tr>
<th>NFIP Map Number or Community Parcel Number (Community Name, if not the same as &quot;A&quot;)</th>
<th>NFIP Map Panel Effective / Revised Date</th>
<th>LOMA / LOMR</th>
<th>Flood Zone</th>
<th>No NFIP Map</th>
</tr>
</thead>
<tbody>
<tr>
<td>none</td>
<td>Yes Date</td>
<td>none</td>
<td>X</td>
<td></td>
</tr>
</tbody>
</table>

**C. FEDERAL FLOOD INSURANCE AVAILABILITY (Check all that apply)**

1. ☐ Federal flood insurance is available (continually participates in NFIP).
2. ☐ Federal flood insurance is available because community is not participating in the NFIP.
3. ☐ Building / Mobile Home is in a Coastal Inundation Flood Area (CBA) or Otherwise Protected Area (OPA). Federal flood insurance may not be available.

**D. DETERMINATION**

**IS BUILDING / MOBILE HOME IN A SPECIAL FLOOD HAZARD AREA (ZONES CONTAINING THE LETTERS "A" OR "V")?**

☐ YES ☒ NO

If yes, flood insurance is required by the Flood Disaster Protection Act of 1973.
If no, flood insurance is not required by the Flood Disaster Protection Act of 1973.

**E. COMMENTS (Optional):**

PT. NW 1/4 OF SW 1/4, PT. OF SW 1/4 OF THE NW 1/4, AND PT. OF NE 1/4 OF THE NW 1/4 SW 1/4, 101, 1802.00, NEWTON COUNTY, AR.

**LIFE OF LOAN DETERMINATION**

This flood determination is provided solely for the use and benefit of the entity named in Section I, Box 1 in order to comply with the 1994 Reform Act and may not be used or relied upon by any other entity or individual for any purpose, including, but not limited to deciding whether to purchase a property or determining the value of a property.

This determination is based on examining the NFIP map, any Federal Emergency Management Agency revisions to it, and any other information needed to locate the building / mobile home on the NFIP map.

**F. PREPARER’S INFORMATION (If other than Lender):**

<table>
<thead>
<tr>
<th>NAME, ADDRESS, TELEPHONE NUMBER:</th>
<th>ORDER NUMBER:</th>
</tr>
</thead>
<tbody>
<tr>
<td>LPS National Flood 1521 N COOPER St Fourth Floor Arlington, TX 76011-5942</td>
<td>209-9482-315</td>
</tr>
<tr>
<td>Phone: 1.800.833.6347 Fax: 1.800.662.6347</td>
<td>DATE OF DETERMINATION: August 03, 2012</td>
</tr>
</tbody>
</table>

PERS Form 81-93, DEC 08

NEW HOG SITE
HIGHLY ERODIBLE LAND CONSERVATION (HELP) AND WETLAND CONSERVATION (WC) CERTIFICATION

<table>
<thead>
<tr>
<th>Name of Producer</th>
<th>1. ID Number (Last 4 digits only)</th>
<th>2. Crop Year</th>
</tr>
</thead>
<tbody>
<tr>
<td>L. A. Campbell</td>
<td>8687</td>
<td>2012</td>
</tr>
</tbody>
</table>

4. Do you have any interest in land that produces or could produce an agricultural commodity? If "YES", do, if you are a Farm Loan Applicant continue with Item 5. If "NO", and you are not a Farm Loan Applicant, go to Item 12 and sign date.

5. For farm loan applicants only: Will you conduct any activities for the production, trees, vineyards, shrubs, building construction, or other non-agricultural purposes on lands for which a wetland determination has not been completed by NRCS?

6. Are you a landlord or tenant on any farm that will be in compliance with HELP and WC provisions? If "YES", enter the farm number or contact your County FSA Office before completing this form. Farm Number:

7. Do any of your landlord's fields meet the HELP or WC requirements on any farm? If "YES", enter the farm number or contact your County FSA Office before completing this form. Farm Number:

8. List affiliated persons with farming interests. See Page 3 for an explanation. Enter "NONE" if applicable.

9. During the crop year (insert the year in item 3 above), or the term of a requested USDA loan, did you or will you plant and produce an agricultural commodity on land for which a highly erodible determination has not been made?

10. Since December 23, 1988, or during the current crop year, or during the term of a requested USDA loan, has anyone performed, or will anyone perform, any activity to:

A. Create new drainage systems, or conduct land leveling, filling, dredging, land clearing, excavation, or stump removal, that has not been evaluated by NRCS? If "YES", indicate year(s):

B. Improve or modify an existing drainage system that has not been evaluated by NRCS? If "YES", indicate year(s):

C. Maintain an existing drainage system that has not been evaluated by NRCS? If "YES", indicate the year(s):

D. Any activity that affects the capacity of existing drainage systems to allow for the continued use of lands currently in agricultural production and the continued management of other uses as they were used before December 23, 1985. This allows a person to reconstruct or maintain, the capacity of the original system or utilize a new system that is more durable and requires lower maintenance or estate

11. If "YES" to Items 5, 10a, and/or 10b or 10c enter the following for the land the answer applies to:

A. Farm and/or land identification number:

B. Activity:

C. Current land use (specific crops):

D. County:

A "YES" answer in Items 5, 9, or 10 authorizes NRCS to refer this AD-1026 to NRCS. If you check "YES" to Item 10c, NRCS does not have to conduct a certified wetland determination. (Contact your County FSA Office if you are unsure about the answers to Items 5, 9, and 10)

Continuous AD-1026 Certification:

I have read the AD-1026 Appendix and understand and agree that my eligibility for certain USDA program benefits is contingent upon this certification of compliance with highly erodible land and wetland conservation provisions of the Food Security Act of 1985 as amended, and if it is determined that I have failed to meet these standards, I agree to refund any applicable payments.

I agree to the terms and conditions stated on AD-1026 Appendix and on the form of which I hold or will have an interest and understand that I am responsible for any non-compliance with these provisions.

I agree that I will file a revised AD-1026 if there are any changes in my operation or activities that may affect compliance with these provisions.

I understand that the certifications of compliance with these provisions and their failure to comply or fail to meet all-1026 will result in loss of eligibility or termination of any program benefits.

Signature of Producer:

Date (MM-DD-YYYY)

Producer's Right Hand Signature:

Date (MM-DD-YYYY)

I certify that the information on this form is true and correct to the best of my knowledge, and I authorize NRCS to make a HEL and/or certified wetland determination on the tract or farm numbers listed above.

Signature of FSA Representative:

Date (MM-DD-YYYY)

Page 2 of 3 of this form for affiliated persons.

Original: FSA COPY

NRCS COPY

PRODUCER'S COPY
HIGHLY ERODIBLE LAND AND WETLAND CONSERVATION DETERMINATION

Name: E O CAMPBELL
Address: HC 72 BOX 132
        JASPER AR 72641-9509
Request Date: 08/06/2012
County: NEWTON
Tract No.: 2335
Parcel No.: 2246
Agency/Person Requesting Determination: FSA

Section I - Highly Erodible Land

Is a soil survey now available for making a highly erodible land determination? Yes
Are there highly erodible soil map units on this farm? Yes

Fields in this section have undergone a determination of whether they are highly erodible land (HEL) or not; fields for which an HEL determination has not been completed are not listed. In order to be eligible for USDA benefits, a person must be using an approved conservation system on all HEL.

Field(s) | HEL(y/N) | Southeast (y/N) | Acres | Determination Date
---------|---------|----------------|------|-------------------

The Highly Erodible Land determination was completed in the

Section II - Wetlands

Are there hydric soils on this farm? No

Fields in this section have had wetland determinations completed. See the Definition of Wetland Label Codes for additional information regarding allowable activities under the wetland conservation provisions of the Food Security Act and/or when wetland determinations are necessary to determine USDA program eligibility.

Field(s) | Wetland Label* | Occurrence Year (CWP)** | Acres | Preliminary Determination Date | Final Certification Date
---------|----------------|--------------------------|------|-----------------------------|-------------------------
not listed on AD-1026 | | | | 08/22/2012 |

The Preliminary Wetland Determination was completed in the office.
It was delivered to the USDA participant.

Remarks: The map supplied by FSA listing Tr#2335 does not correspond to the Tr#2335 shown in the chg layer file.
No Field numbers were listed on the AD-1026, but the area noted in Question 11, B. does not have soils listed on the NEWTON COUNTY, ARKANSAS HYDRIC SOILS LIST dated 07/26/95.

I certify that the above determinations are correct and were conducted in accordance with regulations and procedures contained in 7 CFR Part 12 and the National Food Security Act Manual.

Signature: ___________________________ Date: 08/22/2012
Designated Conservationist

I certify the above determinations as Final. Preliminary Appeal Rights have been either concluded or not utilized in accordance with regulations and procedures contained in 7 CFR Part 614 and the National Food Security Act Manual.

Signature: ___________________________ Date: ____________

* The U.S. Department of Agriculture policies regarding federal programs and administered on the basis of race, color, national origin, age, disability, and where applicable, sex, marital status, familial status, parental status, religion, sexual orientation, gender identity, or arrest status.
** The information provided in this file has been processed and created in accordance with the provisions of 7 CFR Part 51. The contents of the file are consistent with the current version of the data. The file is maintained in accordance with administrative procedures and regulations. The file contains data on wetlands that are determined to be wetlands under the provisions of the National Flood Insurance Program (NFIP) and the American Indian Housing Act. The information provided in this file may be used for the purpose of determining eligibility for federal programs. The file is updated on a regular basis to ensure the accuracy of the information contained therein. The file is maintained by the U.S. Department of Agriculture, Office of the Chief, Office of the Secretary, Washington, D.C. 20250-9410. For more information, visit the following website: https://www.nrcs.usda.gov/wps/portal/nrcs/main/national/programs/landuse/wetlands/.
<table>
<thead>
<tr>
<th>SYMBOL</th>
<th>NAME</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Arkana very cherly silt loam, 3 to 8 percent slopes</td>
</tr>
<tr>
<td>2</td>
<td>Arkana-Moko complex, 8 to 20 percent slopes 1/</td>
</tr>
<tr>
<td>3</td>
<td>Arkana-Moko complex, 20 to 40 percent slopes 1/</td>
</tr>
<tr>
<td>4</td>
<td>Britwater gravelly silt loam, 3 to 8 percent slopes</td>
</tr>
<tr>
<td>5</td>
<td>Coda cobbly loam, frequently flooded</td>
</tr>
<tr>
<td>6</td>
<td>Coda-Kam complex, frequently flooded</td>
</tr>
<tr>
<td>7</td>
<td>Clarksville very cherly silt loam, 20 to 50 percent slopes</td>
</tr>
<tr>
<td>8</td>
<td>Eden-Newmans complex, 8 to 20 percent slopes 1/</td>
</tr>
<tr>
<td>9</td>
<td>Eden-Newmans complex, 20 to 40 percent slopes 1/</td>
</tr>
<tr>
<td>10</td>
<td>Eden-Newman-Rock outcrop complex, 40 to 60 percent slopes 1/</td>
</tr>
<tr>
<td>11</td>
<td>Enders gravelly loam, 3 to 8 percent slopes</td>
</tr>
<tr>
<td>12</td>
<td>Enders gravelly loam, 8 to 20 percent slopes</td>
</tr>
<tr>
<td>13</td>
<td>Enders silt loam, 3 to 8 percent slopes</td>
</tr>
<tr>
<td>14</td>
<td>Enders silt loam, 8 to 20 percent slopes</td>
</tr>
<tr>
<td>15</td>
<td>Enders-Leesburg silt loam, 3 to 8 percent slopes 1/</td>
</tr>
<tr>
<td>16</td>
<td>Enders-Leesburg silt loam, 8 to 20 percent slopes 1/</td>
</tr>
<tr>
<td>17</td>
<td>Estate-Lily-Portia complex, 3 to 8 percent slopes 1/</td>
</tr>
<tr>
<td>18</td>
<td>Estate-Lily-Portia complex, 8 to 20 percent slopes 1/</td>
</tr>
<tr>
<td>19</td>
<td>Leadville silt loam, 3 to 8 percent slopes</td>
</tr>
<tr>
<td>20</td>
<td>Lily-Udorthents-Rock outcrop complex, 8 to 20 percent slopes 1/</td>
</tr>
<tr>
<td>21</td>
<td>Lily-Udorthents-Rock outcrop complex, 20 to 40 percent slopes 1/</td>
</tr>
<tr>
<td>22</td>
<td>Liniker loam, 3 to 8 percent slopes</td>
</tr>
<tr>
<td>23</td>
<td>Liniker gravelly loam, 3 to 8 percent slopes</td>
</tr>
<tr>
<td>24</td>
<td>Liniker-Mountainburg complex, 3 to 8 percent slopes</td>
</tr>
<tr>
<td>25</td>
<td>Liniker-Mountainburg complex, 8 to 20 percent slopes</td>
</tr>
<tr>
<td>26</td>
<td>Moko-Rock outcrop complex, 15 to 50 percent slopes 1/</td>
</tr>
<tr>
<td>27</td>
<td>Mountainburg gravelly fine sandy loam, 3 to 8 percent slopes</td>
</tr>
<tr>
<td>28</td>
<td>Mountainburg very rocky fine sandy loam, 3 to 8 percent slopes</td>
</tr>
<tr>
<td>29</td>
<td>Mountainburg very rocky fine sandy loam, 8 to 20 percent slopes</td>
</tr>
<tr>
<td>30</td>
<td>Mountainburg very rocky fine sandy loam, 20 to 40 percent slopes</td>
</tr>
<tr>
<td>31</td>
<td>Neila gravelly loam, 3 to 12 percent slopes</td>
</tr>
<tr>
<td>32</td>
<td>Neila gravelly loam, 12 to 20 percent slopes</td>
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<tr>
<td>33</td>
<td>Neila silt loam, 8 to 20 percent slopes</td>
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<tr>
<td>34</td>
<td>Neila silt loam, 20 to 40 percent slopes</td>
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<tr>
<td>35</td>
<td>Neila-Enders silt loam, 8 to 25 percent slopes 1/</td>
</tr>
<tr>
<td>36</td>
<td>Neila-Enders silt loam, 20 to 40 percent slopes 1/</td>
</tr>
<tr>
<td>37</td>
<td>Neila-Vrepid-Mountainburg very rocky fine sandy loam, 3 to 8 percent slopes</td>
</tr>
<tr>
<td>38</td>
<td>Neila-Vrepid-Mountainburg very rocky fine sandy loam, 8 to 20 percent slopes</td>
</tr>
<tr>
<td>39</td>
<td>Neila-Vrepid-Mountainburg very rocky fine sandy loam, 20 to 40 percent slopes 1/</td>
</tr>
<tr>
<td>40</td>
<td>Nipa very cherly silt loam, 3 to 8 percent slopes</td>
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<tr>
<td>41</td>
<td>Nua very cherly silt loam, 8 to 12 percent slopes</td>
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<td>42</td>
<td>Naar very cherly silt loam, 3 to 8 percent slopes</td>
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<tr>
<td>43</td>
<td>Naar very cherly silt loam, 8 to 20 percent slopes</td>
</tr>
<tr>
<td>44</td>
<td>Naar very cherly silt loam, 20 to 40 percent slopes</td>
</tr>
<tr>
<td>45</td>
<td>Peridge silt loam, 3 to 8 percent slopes</td>
</tr>
<tr>
<td>46</td>
<td>Porta sandy loam, 3 to 8 percent slopes</td>
</tr>
<tr>
<td>47</td>
<td>Porta sandy loam, 8 to 12 percent slopes</td>
</tr>
<tr>
<td>48</td>
<td>Rapport loam, occasionally flooded</td>
</tr>
<tr>
<td>49</td>
<td>Riverwash, frequently flooded</td>
</tr>
<tr>
<td>50</td>
<td>Spadre loam, occasionally flooded</td>
</tr>
<tr>
<td>51</td>
<td>Spadre loam, 2 to 5 percent slopes</td>
</tr>
<tr>
<td>52</td>
<td>Stepprock gravelly loam, 3 to 8 percent slopes</td>
</tr>
<tr>
<td>53</td>
<td>Wideman loamy fine sand, frequently flooded</td>
</tr>
</tbody>
</table>
## SOIL LEGEND

The legend is numeric. Soils without a slope designation in the name are those on level to nearly level landscapes of occasionally or frequently flooded bottomlands. The soil name followed by the superscript 1/ is a mapping unit that was designed primarily for woodland management. Fewer soil examinations were made in these units and included areas are generally larger.

### SYMBOL | NAME
--- | ---
1 | Arkansas very cherty silt loam, 3 to 8 percent slopes
2 | Arkansas-Moja complex, 8 to 20 percent slopes 1/
3 | Arkansas-Moja complex, 20 to 40 percent slopes 1/
4 | Britwater gravelly silt loam, 3 to 8 percent slopes
5 | Ceda clay loam, frequently flooded
6 | Ceda-Kane complex, frequently flooded
7 | Chanoville very cherty silt loam, 20 to 50 percent slopes
8 | Eden-Newnans complex, 8 to 20 percent slopes 1/
9 | Eden-Newnans complex, 20 to 40 percent slopes 1/
10 | Eden-Newnans-Rock outcrop complex, 40 to 60 percent slopes 1/
11 | Enders gravelly loam, 3 to 8 percent slopes
12 | Enders gravelly loam, 8 to 20 percent slopes
13 | Enders stony loam, 3 to 20 percent slopes
14 | Enders stony loam, 20 to 40 percent slopes
15 | Enders-Leesburg stony loam, 3 to 20 percent slopes 1/
16 | Enders-Leesburg stony loam, 3 to 20 percent slopes 1/
17 | Esthia-Ly-Porta complex, 8 to 20 percent slopes 1/
18 | Esthia-Ly-Porta complex, 20 to 40 percent slopes 1/
19 | Leadville silt loam, 3 to 8 percent slopes
20 | Lilly-Idorphena-Rock outcrop complex, 8 to 20 percent slopes 1/
21 | Lilly-Idorphena-Rock outcrop complex, 20 to 40 percent slopes 1/
22 | Linier loam, 3 to 8 percent slopes
23 | Linier gravelly loam, 3 to 8 percent slopes
24 | Linier-Mountainburg complex, 3 to 8 percent slopes
25 | Linier-Mountainburg complex, 3 to 8 percent slopes
26 | Moko-Rock outcrop complex, 15 to 50 percent slopes 1/
27 | Mountainburg gravelly fine sandy loam, 3 to 8 percent slopes
28 | Mountainburg very sandy fine sandy loam, 3 to 8 percent slopes
29 | Mountainburg very sandy fine sandy loam, 3 to 20 percent slopes
30 | Mountianburg very sandy fine sandy loam, 3 to 20 percent slopes
31 | Nella gravelly loam, 3 to 12 percent slopes
32 | Nella gravelly loam, 3 to 12 percent slopes
33 | Nella gravelly loam, 3 to 12 percent slopes
34 | Nella stony loam, 8 to 20 percent slopes
35 | Nella stony loam, 20 to 40 percent slopes
36 | Nella-Enders stony loam, 8 to 20 percent slopes 1/
37 | Nella-Enders stony loam, 8 to 20 percent slopes 1/
38 | Nella-Steprock-Mountainburg very sandy loam, 3 to 40 percent slopes 1/
39 | Nella-Steprock-Mountainburg very sandy loam, 3 to 40 percent slopes 1/
40 | Nica very cherty silt loam, 3 to 8 percent slopes

## CULTURAL FEATURES

### BOUNDARIES
- National, state or province
- County or parish
- Minor civil division
- Reservation (national forest or park, state forest or park, and large airport)
- Land grant
- Limit of soil survey (label)
- Field sheet margin and neatline

### AD HOC BOUNDARY (label)
- Small airport, airfield, park, oilfield, cemetery, or flood pool

### STATE COORDINATE TICK
- LAND DIVISION CORNER
- Sections and land grants

### ROADS
- Divided (median shown if scale permits)
- Other roads

### ROAD EMBLEM & DESIGNATIONS
- Interstate
- Federal
- State
- County, farm or ranch

### RAILROAD
- POWER TRANSFORMATION LINE
  - (normally not shown)
- PIPE LINE
  - (normally not shown)
- FENCE
  - (normally not shown)
- "S" curve
LEGEND

1. ENDERS-LEESBURG: Deep, gently sloping to steep, well drained, stony soils that formed in residuum or colluvium of acid sandstone or shale

2. LINKER-STEPROCK-LEADVALE: Moderately deep and deep, gently sloping to strongly sloping, well drained and moderately well drained, loamy or gravelly soils that formed in residuum of acid sandstone or interbedded sandstone, siltstone, and shale

3. NOARK-CLARKSVILLE: Deep, gently sloping to very steep, well drained and somewhat excessively drained, very cherty soils that formed in residuum of cherty limestone

4. ARKANA-MOKO-LILY: Moderately deep and shallow, strongly sloping to steep, well drained, cherty, stony, or loamy soils that formed in residuum of limestone or sandstone

5. SPADRA-RAZORT-CEDAR: Deep, level to gently sloping, well drained, loamy and cobbly soils that formed in alluvium

6. NOARK-PERIDGE-NIXA: Deep, gently sloping to strongly sloping, well drained, and moderately well drained, very cherty or loamy soils that formed in residuum of cherty limestone, limestone, or old alluvium

7. NELLA-ENDERS-STEPROCK: Deep and moderately deep, strongly sloping to very steep, well drained, stony and very stony soils that formed in residuum or in colluvium of acid sandstone or shale

Compiled 1986

U.S. DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE
LEGEND

DKERS-LEESBURG: Deep, gently sloping to steep, well drained, stony soils formed in residuum or colluvium of acid sandstone or shale

DER-STEPROCK-LEADVALE: Moderately deep and deep, gently sloping to steep, well drained and moderately well drained, loamy or silty soils that formed in residuum of acid sandstone or interbedded sandstone, siltstone, and shale

K-CLARKSVILLE: Deep, gently sloping to very steep, well drained and what excessively drained, very cherty soils that formed in residuum of limestone

NA-MOKO-LILY: Moderately deep and shallow, strongly sloping to steep, well drained, cherty, stony, or loamy soils that formed in residuum of limestone

RAZORT-CEDA: Deep, level to gently sloping, well drained, loamy and soils that formed in alluvium

PERIDGE-NIXA: Deep, gently sloping to strongly sloping, well drained and moderately well drained, very cherty or loamy soils that formed in residuum of limestone, limestone, or old alluvium

INDERS-STEPROCK: Deep and moderately deep, strongly sloping to steep, well drained, stony and very stony soils that formed in residuum of acid sandstone or shale

Compiled 1986

U.S. DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE
FOREST SERVICE
ARKANSAS AGRICULTURAL EXPERIMENT STATION
GENERAL SOIL MAP
NEWTON COUNTY, ARKANSAS
Scale 1:160,080

Inset, sheet 13
Inset, sheet 15
Inset, sheet 10
Inset, sheet 93
Inset, sheet 94
Inset, sheet 95
Inset, sheet 96
Inset, sheet 97
Inset, sheet 98
Inset, sheet 99
### HIGHLY ERODIBLE LAND CONSERVATION (HELC) AND
WETLAND CONSERVATION (WC) CERTIFICATION

<table>
<thead>
<tr>
<th>1. Name of Producer:</th>
<th>Mary Campbell</th>
</tr>
</thead>
<tbody>
<tr>
<td>2. Tax Identification Number (last digit):</td>
<td>YES</td>
</tr>
<tr>
<td>3. Crop Year:</td>
<td>2017</td>
</tr>
<tr>
<td>4. Do you have any interest in land that produces or could produce an agricultural commodity? If &quot;YES&quot; or &quot;NO&quot; and you are not a Farm Loan Applicant, continue with Item 5. If &quot;NO,&quot; and you are not a Farm Loan Applicant, go to Item 12 and sign and date.</td>
<td></td>
</tr>
<tr>
<td>5. For farm loan applicants only: Will you conduct any activities for fish production, trees, vineyards, shrubs, building construction, or other non-agricultural purposes or land use for which the wetland determination has not been completed by NRCS or Army Corps of Engineers?</td>
<td></td>
</tr>
<tr>
<td>6. Are you a landlord or tenant on any farm that will not be in compliance with HELC and WC provisions? If &quot;YES,&quot; enter the farm number or contact your County FSA Office before completing this form.</td>
<td></td>
</tr>
<tr>
<td>7. Do any of your landlords refuse to comply with HELC requirements on any farms? If &quot;YES,&quot; enter the farm number or contact your County FSA Office before completing this form.</td>
<td></td>
</tr>
<tr>
<td>8. List all entities with farming interests. See Page 2 for an explanation. Enter &quot;NONE&quot; if applicable.</td>
<td></td>
</tr>
<tr>
<td>9. During the current crop year or during the term of a requested USDA loan, did you or will you plant and produce an agricultural commodity on land for which an HELC determination has not been made?</td>
<td></td>
</tr>
<tr>
<td>10. Since December 23, 1985, or during the current crop year or during the term of a requested USDA loan, has anyone performed, or will anyone perform any activities to:</td>
<td></td>
</tr>
<tr>
<td>A. Create new drainage systems, or conduct land leveling, fencing, dredging, land clearing, excavation, or stump removal, that has NOT been evaluated by NRCS? If &quot;YES,&quot; indicate year(s):</td>
<td></td>
</tr>
<tr>
<td>B. Improve or modify any existing drainage system that has NOT been evaluated by NRCS? If &quot;YES,&quot; indicate year(s):</td>
<td></td>
</tr>
<tr>
<td>C. Maintain an existing drainage system that has NOT been evaluated by NRCS? If &quot;YES,&quot; indicate year(s): Note: Maintenance is the repair, rehabilitation, or replacement of the capacity of existing drainage systems to allow for the continued use of wetlands currently in agricultural production and the continued management of other areas as they were sized before December 23, 1985. This allows a person to reconstruct or maintain the capacity of the original system or install a replacement system that is more durable or will reduce lower maintenance or costs.</td>
<td></td>
</tr>
<tr>
<td>11. If &quot;YES&quot; to Items 9, 10A, 10B, and/or 10C, enter the following for the land the answer applies to:</td>
<td></td>
</tr>
<tr>
<td>A. Farm and/or tract/field number</td>
<td></td>
</tr>
<tr>
<td>B. Activity:</td>
<td></td>
</tr>
<tr>
<td>C. Current land use (specify crops)</td>
<td></td>
</tr>
<tr>
<td>O. County:</td>
<td></td>
</tr>
</tbody>
</table>

A "YES" answer in Items 9 or 10 authorizes FSA to refer this AD-1026 to NRCS. If you check "YES," to Item 10C, NRCS does not have to conduct certified wetland determination. (Contact your County FSA Office if you are unsure about the answers to Items 9 or 10.)

### Continuous AD-1026 Certification:

I have read the AD-1026 Appendix and understand and agree that my eligibility for certain USDA program benefits is contingent upon this certification of compliance with highly erodable land conservation and wetland conservation provisions of the Food Security Act of 1985 as amended, and if a determination is made that results in a violation and ineligibility, I agree to refund all applicable payments.

- I agree to the terms and conditions stated in the AD-1026 Appendix on all land in which I have or will have an interest and understand that I am responsible for my compliance with these provisions.
- I agree that I will file a revised AD-1026 if there are any changes in my operation or activities that may affect compliance with these provisions.
- I understand that affiliated persons are also subject to compliance with these provisions and their failure to comply or file AD-1026 will result in loss of eligibility to persons or enterprises with whom they are affiliated. (See Page 3 of this form for affiliated persons.)

### 12. Producer's Certification:

I hereby certify that the information on this form is true and correct to the best of my knowledge, and I authorize NRCS to make a HELC and/or certified wetland determination on the tract or farms listed above.

12A. Producer's Signature (By):
Mary Campbell

12B. Title/Relationship (Individual Signing in the Representative capacity):
Self

12C. Date (MM/DD/YYYY):
8/9/12

15A. Signature of FSA Representative:

15B. Date (MM/DD/YYYY):
8/9/12

Original - FSA Copy:

NRCS Copy:

Producer's Copy:
HIGHLY ERODIBLE LAND CONSERVATION (HELC) AND WETLAND CONSERVATION (WC) CERTIFICATION

1. Name of Applicant: Richard Campbell

2. Tax Identification Number (last digit): 14

3. Crop Year: 2019

4. Do you have any interest in land that produces or could produce an agricultural commodity? If "YES", or if you are a farm loan applicant, continue with item 5. If "NO", and you are not a farm loan applicant, go to Item 12 and sign and date.

5. For farm loan applicants only: Are you conducting any activities for farm production, trees, vineyards, shrubs, building construction, or other non-agricultural purposes on lands for which a wetland determination has not been completed by NRCS or Army Corps of Engineers?

6. Are you a landlord or tenant on any farm that will not be in compliance with HELC and WC provisions? If "YES", enter the farm number or contact your County FSA Office before completing this form. (Contact your County FSA Office if you are unsure if the highly erodible land (HEL) or wetland determinations applicable to your farm interests.)

7. Do you have any tidal wetlands that are to be converted to agriculture or other non-wetland uses? If "YES", enter the farm number or contact your County FSA Office before completing this form. (Contact your County FSA Office if you are unsure if the highly erodible land (HEL) or wetland determinations applicable to your farm interests.)

8. List all persons with farming interests. See Page 2 for an explanation. Enter "NONE", if applicable.

9. During the crop year entered in Item 3 above, or the term of a requested USDA loan, did you or will you plant and produce an agricultural commodity on land for which an HEL determination has not been made?

10. Since December 23, 1985, or during the current crop year, or during the term of a requested USDA loan, has anyone performed or will anyone perform any activities?

   A. Create new drainage systems, or conduct land leveling, felling, dredging, land clearing, excavation, or stump removal, that has NOT been evaluated by NRCS? If "YES", indicate year(s):

   B. Improve or modify an existing drainage system that has NOT been evaluated by NRCS? If "YES", indicate year(s):

   C. Maintain an existing drainage system that has NOT been evaluated by NRCS? If "YES", indicate the year(s):

   (Note: Maintenance includes the repair, rehabilitation, or replacement of the capacity of existing drainage systems to allow for the continued use of wetlands currently in agricultural production and the continued management of other areas as they were used before December 23, 1985. This allows a person to reconstruct or maintain the capacity of the original system or install a replacement system that is more durable or will reduce long-term maintenance costs.

11. If "YES" to Items 5, 8, 10A, 10B and/or 10C, enter the following for the land the answer applies to:

   A. Farm and/or tract identification number: F# 2087, TA 8794, T-13N R-3W S-39

   B. Activity:

   C. Current land use (specify crops):

   D. County:

A "YES" answer in Items 9 or 10 authorizes FSA to refer this AD-1026 to NRCS. If you check "YES" to Item 10C, NRCS does not have to conduct certified wetland determination. (Contact your County FSA Office if you are unsure about the answers to Items 9 or 10.)

Continued on D-1026 Certification:

I have read the AD-1026 Appendix and understand and agree that my eligibility for certain USDA program benefits is contingent upon this certification of compliance with highly erodible land conservation and wetland conservation provisions of the Food Security Act of 1985 as amended, and if a determination is made that results in a violation and/or the failure to comply with these provisions, I agree to refund all applicable payments.

- I agree to the terms and conditions stated on AD-1026 Appendix on all land in which I have or will have an interest and understand that I am responsible for any non-compliance with these provisions.
- I agree that I will file a revised AD-1026 if there are any changes in my operation or activities that may affect compliance with these provisions.
- I understand that affiliated persons are also subject to compliance with these provisions and their failure to comply will result in loss of eligibility to persons or enterprises with whom they are affiliated. (See Page 2 for a form for affiliated persons.)

12. Producer's Certification:

I hereby certify that the information on this form is true and correct to the best of my knowledge, and I authorize NRCS to make a HELC and/or certified wetland determination on the tract or farm number(s) listed above.

13. Signature of FSA:

13A. Signature at FSA Representative:

13B. Date of Signature: 8/4/12

13C. Date of Certification: 8/4/12

This page is for Agency Use Only.
Section I - Highly Erodible Land

Is a soil survey now available for making a highly erodible land determination? Yes
Are there highly erodible soil map units on this farm? Yes
Fields in this section have undergone a determination of whether they are highly erodible land (HEL) or not; fields for which an HEL determination has not been completed are not listed. In order to be eligible for USDA benefits, a person must be using an approved conservation system on all HEL.

<table>
<thead>
<tr>
<th>Field(s)</th>
<th>HEL(Y/N)</th>
<th>Soiltest(Y/N)</th>
<th>Acres</th>
<th>Determination Date</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

The Highly Erodible Land determination was completed in the

Section II - Wetlands

Are there hydric soils on this farm? No

Fields in this section have had wetland determinations completed. See the Definition of Wetland Label Codes for additional information regarding allowable activities under the wetland conservation provisions of the Food Security Act and/or when wetland determinations are necessary to determine USDA program eligibility.

<table>
<thead>
<tr>
<th>Field(s)</th>
<th>Wetland Label*</th>
<th>Occurrence Year (CFW)**</th>
<th>Acres</th>
<th>Preliminary Determination Date</th>
<th>Final Certification Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>6</td>
<td>NW</td>
<td>50.61</td>
<td></td>
<td>08/22/2012</td>
<td></td>
</tr>
</tbody>
</table>

The Preliminary Wetland Determination was completed in the office. It was delivered to the USDA participant.

Remarks: No Field number was listed on the AD-1026 for Question 11. A.

The map attached to the AD-1026 indicated the request for Field 6.

I certify that the above determinations are correct and were conducted in accordance with regulations and procedures contained in 7 CFR Part 12 and the National Food Security Act Manual.

Signature: Designated Conservationist: Date: 08/22/2012

I certify the above determinations as Final. Preliminary Appeal Rights have been either concluded or not utilized in accordance with regulations and procedures contained in 7 CFR Part 614 and the National Food Security Act Manual.

Signature: Date:
HIGHLY ERODIBLE LAND CONSERVATION (HELC) AND WETLAND CONSERVATION (WC) CERTIFICATION

Page 2 for Non-discrimination, Privacy Act and Paperwork Reduction Act Statements

Page of PRODUCER

Richard Campbell

2 Tax Identification Number (last 4 digits)

3. Crop Year

YES  NO

4. Do you have any interest in land that produces or could produce an agricultural commodity? If "YES", or if you are a Farm Loan Applicant, continue with Item 6. If "NO", and you are not a farm loan applicant, go to Item 12 and sign and date.

5. For farm loan applicants only: Will you conduct any activities for fish production, trees, vineyards, shrubs, building construction, or other non-agricultural purposes on lands for which a wetland determination has not been completed by NRCS or Army Corps of Engineers?

6. Are you a landlord or tenant on any farm that will not be in compliance with HELC and WC provisions? If "YES", enter the farm number or contact your County FSA Office before completing this form. Farm Number:

Contact your County FSA Office if you are unsure of the highly erodible land (HELC) or wetland determinations applicable to your farming interests.

7. Do any of your farms refuse to comply with HELC requirements on any farms? If "YES", enter the farm number or contact your County FSA Office before completing this form. Farm Number:

8. List affiliated persons with farming interests. See Page 2 for an explanation. Enter "NONE", if applicable.

CD HH Hag Farm
Jase Nason
Mary Campbell
Phil Campbell
Julie Campbell

9. During the crop year entered in Item 3 above, or the term of a requested USDA loan, did you or will you plant and produce an agricultural commodity on land for which an HEL has not been made?

10. Since December 23, 1985, or during the current crop year, or during the term of a requested USDA loan, has anyone performed, or will anyone perform any activities to:

A. Create new drainage systems, conduct land leveling, filling, dredging, land clearing, excavation, or stump removal, that has NOT been evaluated by NRCS? If "YES", indicate year(s):

B. Improve or modify an existing drainage system that has NOT been evaluated by NRCS? If "YES", indicate year(s):

C. Maintain an existing drainage system that has NOT been evaluated by NRCS? If "YES", indicate the year(s):

Note: Maintenance is the repair, rehabilitation, or replacement of the capacity of existing drainage systems to allow for the continued use of wetlands currently in agricultural production and the continued management of other areas as they were used before December 23, 1985. This allows a person to reconduct or maintain the capacity of the original system or install a replacement system that is more durable or will result in lower maintenance or costs.

"YES" to Items 5, 9A, 10A, 10B and/or 10C enter the following for the land the answer applies to:

Farm and/or tract/field number:

Activity: May + Timber

Current land use (specify crops): May + Timber

County: Newton

A "YES", answer in Items 9 or 10 authorizes FSA to refer this AD-1026 to NRCS. If you check "YES", to Item 10C, NRCS does not have to conduct certified wetland determination. (Contact your County FSA Office if you are unsure about the answers to Items 9 or 10.)

Continuous AD-1026 Certification:

I have read the AD-1026 Appendix and understand and agree that my eligibility for certain USDA program benefits is contingent upon this certification of compliance with highly erodible land conservation and wetland conservation provisions of the Food Security Act of 1985 as amended, and if a determination is made that results in a violation and ineligibility, I agree to refund all applicable payments.

- I agree to the terms and conditions stated on AD-1026 Appendix on all land in which I have or will have an interest and understand that I am responsible for any non-compliance with these provisions.
- I agree that I will file a revised AD-1026 if there are any changes in my operation or activities that may affect compliance with these provisions.
- I understand that affiliated persons are also subject to compliance with these provisions and their failure to comply or file AD-1026 will result in loss of eligibility to persons or enterprises with whom they are affiliated. (See Page 2 of this form for affiliated persons.)

12. Producer's Certification:

I hereby certify that the information on this form is true and correct to the best of my knowledge, and I authorize NRCS to make a HELC and/or certified wetland determination on the tract or farm numbers listed above.

12A. Producer's Signature (By)

Richard Campbell

12B. Title/Relationship (Individual Signing in the Representative capacity)

Self

12C. Date (MM-DD-YYYY)

8/9/12

13. Referral to NRCS (Completed by FSA). Sign and date if a NRCS determination is needed for any reason and if a "YES" answer in Item 9, 10A, 10B, or 10C.

13A. Signature of FSA Representative

Virginia Tull

13B. Date (MM-DD-YYYY)

8/9/12

NRCS COPY

PRODUCER'S COPY

JINAL - FSA COPY
HIGHLY ERODIBLE LAND CONSERVATION (HELC) AND WETLAND CONSERVATION (WC) CERTIFICATION

1. Name of Producer: Mary Campbell

2. Tax Identification Number (Last 4 digits): [Redacted]

3. Crop Year: 2012

4. Do you have any interest in land that produces or could produce an agricultural commodity? If "YES", or if you are a Farm Loan Applicant, continue with item 5. If "NO", and you are not a farm loan applicant, go to item 12 and sign and date.

5. For farm loan applicants only: Will you conduct any activities for fish production, trees, vineyards, shrubs, building construction, or other non-agricultural purposes on lands for which a wetland determination has not been completed by NRCS or Army Corps of Engineers?

6. Are you a landlord or tenant on any farm that will not be in compliance with HELC and WC provisions? If "YES", enter the farm number or contact your County FSA Office before completing this form. Farm Number: [Contact your County FSA Office if you are unsure of the highly erodible land (HEL) or wetland determinations applicable to your farming interests.]

7. Do any of your landlords refuse to comply with HELC requirements on any farms? If "YES", enter the farm number or contact your County FSA Office before completing this form. Farm Number:

8. List affiliated persons with farming interests. See Page 2 for an explanation. Enter "NONE" if applicable.

   C. H. Hay - farm
   Richard Campbell
   Jason W. Hudson
   Phillip Campbell
   Julie Campbell

9. During the crop year entered in item 3 above, or the term of a requested USDA loan, did you or will you plant and produce an agricultural commodity on land for which an HEL determination has not been made?

10. Since December 23, 1985, or during the current crop year, or during the term of a requested USDA loan, has anyone performed, or will anyone perform any activities:

   A. Create new drainage systems, or conduct land leveling, filing, dredging, land clearing, excavation, or stump removal, that has NOT been evaluated by NRCS? If "YES", indicate year(s):

   B. Improve or modify an existing drainage system that has NOT been evaluated by NRCS? If "YES", indicate year(s):

   C. Maintain an existing drainage system that has NOT been evaluated by NRCS? If "YES", indicate the year(s):

      Note: Maintenance is the repair, rehabilitation, or replacement of the capacity of existing drainage systems to allow for the continued use of wetlands currently in agricultural production and the continued management of other areas as they were used before December 23, 1985. This allows a person to reconstruct or maintain the capacity of the original system or install a replacement system that is more durable or will require lower maintenance or costs.

11. If "YES" to items 5, 9A, 10A, 10B and/or 10C enter the following for the land the answer applies to:

   A. Farm/tract/field number:

   B. Activity:

   C. Current land use (specify crops):

   D. County:

A "YES" answer in items 9 or 10 authorizes FSA to refer this AD-1026 to NRCS. If you check "YES", to item 10C, NRCS does not have to conduct certified wetland determination. (Contact your County FSA Office if you are unsure about the answers to items 9 or 10.)

Continuous AD-1026 Certification:

I have read the AD-1026 Appendix and understand and agree that my eligibility for certain USDA program benefits is contingent upon this certification of compliance with highly erodible land conservation and wetland conservation provisions of the Food Security Act of 1983 as amended, and if a determination is made that results in a violation and ineligibility, I agree to refund all applicable payments.

- I agree to the terms and conditions stated on AD-1026 Appendix on all land in which I have or will have an interest and understand that I am responsible for any non-compliance with these provisions.

- I agree that I will file a revised AD-1026 if there are any changes in my operation or activities that may affect compliance with these provisions.

- I understand that affiliated persons are also subject to compliance with these provisions and their failure to comply or file AD-1026 will result in loss of eligibility to persons or enterprises with whom they are affiliated. (See Page 2 of this form for affiliated persons.)

12. Producer's Certification:

I hereby certify that the information on this form is true and correct to the best of my knowledge, and I authorize NRCS to make a HELC and/or certified wetland determination on the tract or farm numbers listed above.

12A. Producer's Signature: Mary L. Campbell

12B. Title/Relationship (Individual Signing in the Representative capacity): Self

12C. Date (MM-DD-YYYY): 5/9/12

13. Refer to NRCS (Completed by FSA). Sign and date if a NRCS determination is needed for any reason including a "YES" answer in Item 9, 10A, 10B, or 10C.

13A. Signature of FSA Representative: Virginia Soule

13B. Date (MM-DD-YYYY): 5/9/12

ORIGINAL - FSA COPY □  PRODUCER'S COPY □
Arkansas
Newton
Report ID: FSA-156EZ

FARM: 1921
Prepared: 8/9/12 3:27 PM
Crop Year: 2012
Page: 1 of 1

Operator Name
PHILIP CAMPBELL

Farms Associated with Operator:
298, 321, 573, 625, 626, 1261, 1922, 2140, 2341

CRP Contract Number(s): None

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<tr>
<th>Farmland</th>
<th>Cropland</th>
<th>DCP Cropland</th>
<th>WBP</th>
<th>WRP/EWP</th>
<th>CRP Cropland</th>
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State Conservation | Other Conservation | Effective DCP Cropland | Double Cropped | NAP | MPL/FWP | FAVIWR History | ACRE Election |
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Tract Number: 2026
Description: N8A/2A

BIA Range Unit Number:

HEL Status: HEL Determinations not complete

Wetland Status: Wetland determinations not complete

WL Violations: None

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State Conservation | Other Conservation | Effective DCP Cropland | Double Cropped | NAP | MPL/FWP |
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<td>NAP</td>
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Owners: RICHARD CAMPBELL
Other Producers: None

Richard Campbell
P.O. Box 45
Van Horn, AR 72463
HIGHLY ERODIBLE LAND CONSERVATION (HELC) AND WETLAND CONSERVATION (WC) CERTIFICATION

1. Name of Producers: Richard Campbell

4. Do you have any interest in land that produces or could produce an agricultural commodity? If “YES”, or if you are a Farm Loan Applicant, continue with Item 5. If “NO”, and you are not a farm loan applicant, go to Item 12 and sign and date. YES NO

5. For farm loan applicants only: Will you conduct any activities for fish production, trees, vineyards, shrubs, building construction, or other non-agricultural purposes on lands for which a wetland determination has not been completed by NRCS or Army Corps of Engineers? YES NO

6. Are you a landlord or tenant on any farm that will not be in compliance with HELC and WC provisions? If “YES”, enter the farm number or contact your County FSA Office before completing this form. Farm Number: Yes

7. Do any of your landlords or tenants have HELC requirements on any farms? If “YES”, enter the farm number or contact your County FSA Office before completing this form. Farm Number: Yes

8. List affiliated persons with farming interests. See Page 2 for explanation. Enter “NONE”, if applicable. John Henson, Tony Henson, Mary Campbell, Philip Campbell, July Campbell

9. During the crop year entered in Item 3 above, or the term of a requested USDA loan, did you or will you plant and produce an agricultural commodity on land for which an HEC determination has not been made? Yes

10. Since December 23, 1985, or during the current crop year, or during the term of a requested USDA loan, has anyone performed, or will anyone perform any activities to:
   A. Create new drainage systems, or conduct land leveling, filling, dredging, land clearing, excavation, or stump removal, that has NOT been evaluated by NRCS? If “YES”, indicate year(s):
   B. Improve or modify an existing drainage system that has NOT been evaluated by NRCS? If “YES”, indicate year(s):
   C. Maintain an existing drainage system that has NOT been evaluated by NRCS? If “YES”, indicate the year(s):

Note: Maintenance is the repair, rehabilitation, or replacement of the capacity of existing drainage systems to allow for the continued use of wetlands currently in agricultural production and the continued management of other areas as they were used before December 23, 1985. This allows a person to reconstruct or maintain the capacity of the original system or install a replacement system that is more durable or will realize lower maintenance or costs.

11. If “YES” to Items 5, 9, 10A, 10B and/or 10C enter the following for the land the answer applies to:
   A. Farm and/or tract/field number: Fd 1922, Fd 1027 TN 15 R 20 W S 33
   B. Activity: pasture
   C. Current land use (specify crops): pasture
   D. County: Newton

A “YES”, answer in Items 9 or 10 authorizes FSA to refer this AD-1026 to NRCS. If you check “YES”, to Item 10C, NRCS does not have to conduct certified wetland determination. (Contact your County FSA Office if you are unsure about the answers to Items 9 or 10.)

Continuous AD-1026 Certification:

I have read the AD-1026 Appendix and understand and agree that my eligibility for certain USDA program benefits is contingent upon this certification of compliance with highly erodible land conservation and wetland conservation provisions of the Food Security Act of 1985 as amended, and if a determination is made that results in a violation and ineligibility, I agree to refund all applicable payments.

- I agree to the terms and conditions stated on AD-1026 Appendix on all land in which I have or will have an interest and understand that I must comply with these provisions.
- I agree that I will file a revised AD-1026 if there are any changes in my operation or activities that may affect compliance with these provisions.
- I understand that affiliated persons are also subject to compliance with these provisions and their failure to comply will result in loss of eligibility to persons or enterprises with whom they are affiliated. (See Page 2 of this form for affiliated persons.)

12. Producer’s Certification:

I hereby certify that the information on this form is true and correct to the best of my knowledge, and I authorize NRCS to make a HELC and/or certified wetland determination on the tract or farm numbers listed above.

12A. Producer’s Signature (By):

Richard Campbell

12B. Title/Relationship (Individual Signing in the Representative capacity): Self

12C. Date (MM-DD-YYYY): 5/1/12

13A. Signature of FSA Representative: Virginia Fowler

13B. Date (MM-DD-YYYY): 5/1/12
Arkansas  
Newton  
Report ID: FSA-156EZ  

U.S. Department of Agriculture  
Farm Service Agency  
Abbreviated 156 Farm Record  

FARM: 1922  
Prepared: 8/9/12 11:51 AM  
Crop Year: 2012  
Page: 1 of 1

**Operator Name:** PHILIP CAMPBELL  

**Farm Identifier:** NONE  

**Recon Number:**

**Farms Associated with Operator:**  
288, 321, 573, 625, 626, 1281, 1921, 2140, 2341

**CRP Contract Number(s):** None

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<th>Cropland</th>
<th>DCP Cropland</th>
<th>WBP</th>
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**Tract Number:** 2029  
**Description:** OBA/1A

**BIA Range Unit Number:**

**HEL Status:** HEL Determinations not complete

**Wetland Status:** Wetland determinations not complete

**WL Violations:** None

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**Owners:** RICHARD CAMPBELL  
**Other Producers:** LOYD CAMPBELL

Richard Campbell  
P.O. Box 43  
Vendor, Ar 72483  
870-434-5974
**HIGHLY ERODIBLE LAND CONSERVATION (HELC) AND WETLAND CONSERVATION (WC) CERTIFICATION**

<table>
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4. Do you have any interest in land that produces or could produce an agricultural commodity? If "YES", enter in Item 5. If "NO", and you are not a farm loan applicant, go to Item 12 and sign and date.

5. For farm loan applicants only: Will you conduct any activities for livestock, trees, vineyards, shrubs, building construction, or other non-agricultural purposes on lands for which a wetland determination has not been completed by NRCS or Army Corps of Engineers?

6. Are you a landlord or tenant on any farm that will not be in compliance with HELC and WC provisions? If "YES" enter the farm number or contact your County FSA Office before completing this form. Farm Number:

7. Do any of your landowners refuse to comply with HELC requirements on any farms? If "YES", enter the farm number or contact your County FSA Office before completing this form. Farm Number:

8. List affiliated persons with farming interests. See Page 2 for an explanation. Enter "NONE", if applicable.

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<td>Sturg Campbell</td>
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<tr>
<td>Phil Campbell</td>
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<td>Julie Campbell</td>
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</table>

9. During the crop year entered in Item 3 above, or the term of a requested USDA loan, did you or will you plant and produce an agricultural commodity on land for which an HEL determination has not been made?

10. Since December 23, 1985, during the current crop year, or during the term of a requested USDA loan, has anyone performed, or will anyone perform any activities to:

   A. Create new drainage systems, or conduct land leveling, filling, dredging, land clearing, excavation, or stump removal, that has NOT been evaluated by NRCS? If "YES", indicate year(s):

   B. Improve or modify an existing drainage system that has NOT been evaluated by NRCS? If "YES", indicate year(s):

   C. Maintain an existing drainage system that has NOT been evaluated by NRCS? If "YES", indicate year(s):

      Note: Maintenance is the repair, rehabilitation, or replacement of the capacity of existing drainage systems to allow for the continued use of wetlands currently in agricultural production and the continued management of other areas as they were used before December 23, 1985. This allows a person to reconstruct or maintain the capacity of the original system or install a replacement system that is more durable or will reduce lower maintenance or costs.

11. "YES" to Items 5, 9A, 10A and 10B enter the following for the land the answer applies to:

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<td>Current land use (specify crops)</td>
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<td>County</td>
<td>Newton</td>
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A "YES" answer in Items 9 or 10 authorizes FSA to refer this AD-1026 to NRCS. If you check "YES", to Item 10C, NRCS does not have to conduct certified wetland determination. (Contact your County FSA Office if you are unsure about the answers to Items 9 or 10.)

Continuous AD-1026 Certification:

I have read the AD-1026 Appendix and understand and agree that my eligibility for certain USDA program benefits is contingent upon this certification of compliance with highly erodible land conservation and wetland conservation provisions of the Food Security Act of 1985 as amended, and if a determination is made that results in a violation and inelegibility, I agree to refund all applicable payments.

- I agree to the terms and conditions stated on AD-1026 Appendix on all land in which I have or will have an interest and understand that I am responsible for any non-compliance with these provisions.
- I agree that I will file a revised AD-1026 if there are any changes in my operation or activities that may affect compliance with these provisions.
- I understand that affiliated persons are also subject to compliance with these provisions and their failure to comply or file AD-1026 will result in loss of eligibility to persons or enterprises with whom they are affiliated. (See Page 2 of this form for affiliated persons.)

12. Producer's Certification:

   By the undersigned, hereby certify that the information on this form is true and correct to the best of my knowledge, and I authorize NRCS to make a HELC and/or certified wetland determination on the tract or farm numbers listed above.

   2A. Producer's Signature (Print)  
   12B. Tiller/Relationship (Individual Signing in the Representative capacity) Self  
   12C. Date (YYYY-MM-DD) 8/5/12

   3. Referral to NRCS (Completed by FSA). Sign and date if a NRCS determination is needed for any reason.  
   13A. Signature of FSA Representative  
   13B. Date (YYYY-MM-DD) 8/5/12

   Produce's Copy [ ]  
   NRCS Copy [ ]  
   FSA Copy [ ]  
   PRODUCER'S COPY [ ]
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<th>1. Name of Producer:</th>
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4. Do you have any interest in land that produces or could produce an agricultural commodity? If "YES", or if you are a Farm Loan Applicant, continue with item 6. If "NO", and you are not a farm loan applicant, go to item 13 and sign and date.  

5. For farm loan applicants only: Did you conduct any activities for fish production, trees, vineyards, shrubs, building construction, or other non-agricultural purposes on land for which a wetland determination has not been completed by NRCS or Army Corps of Engineers?  

6. Are you a landlord or tenant on any farm that will not be in compliance with HELC and WC provisions? If "YES", enter the farm number or contact your County FSA Office before completing this form. Farm Number:  

7. Do you or any of your landlords refuse to comply with HELC requirements on any farms? If "YES", enter the farm number or contact your County FSA Office before completing this form. Farm Number:  

8. List all persons with farming interests. See Page 2 for an explanation. Enter "NONE" if applicable.  

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<td>Philip Campbell</td>
<td>Jason Hanson</td>
<td>Janae Campbell</td>
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9. During the crop year entered in item 3 above, or the term of a requested USDA loan, did you or will you plant and produce an agricultural commodity on land for which an HEL determination has not been made?  

10. Since December 23, 1985, or during the current crop year, or during the term of a requested USDA loan, has anyone performed, or will anyone perform any activities to:  

   A. Create new drainage systems, or conduct land leveling, filing, dredging, land clearing, excavation, or stump removal, that has NOT been evaluated by NRCS? If "YES", indicate year(s):  

   B. Improve or modify an existing drainage system that has NOT been evaluated by NRCS? If "YES", indicate year(s):  

   C. Maintain an existing drainage system that has NOT been evaluated by NRCS? If "YES", state the reason(s):  

   Note: Maintenance is the repair, rehabilitation, or replacement of the capacity of existing drainage systems to allow for the continued use of wetlands currently in agricultural production and the continued management of other areas as they were used before December 23, 1985. This allows a person to reconstruct or maintain the capacity of the original system or install a replacement system that is more durable or will require lower maintenance or costs.  

If "YES" to items 5, 9, 10A, 10B and/or 10C enter the following for the land the answer applies to:  

<table>
<thead>
<tr>
<th>A. Farm and/or tract/field number:</th>
<th>B. Activity:</th>
<th>C. Current land use (specify crops):</th>
<th>D. County:</th>
</tr>
</thead>
<tbody>
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</tr>
</tbody>
</table>

A "YES" answer in items 9 or 10 authorizes FSA to refer this AD-1026 to NRCS. If you check "YES", to item 10C, NRCS does not have to conduct certified wetland determinations. (Contact your County FSA Office if you are unsure about the answers to items 9 or 10.)  

Continuous AD-1026 Certification:  

I have read the AD-1026 Appendix and understand and agree that my eligibility for certain USDA program benefits is contingent upon this certification of compliance with highly erodible land conservation and wetland conservation provisions of the Food Security Act of 1985 as amended, and if a determination is made that results in a violation and ineligibility, I agree to refund all applicable payments.  

- I agree to the terms and conditions stated on AD-1026 Appendix on all land in which I have or will have an interest and understand that I am responsible for any non-compliance with these provisions.  
- I agree that I will file a revised AD-1026 if there are any changes in my operation or activities that may affect compliance with these provisions.  
- I understand that affiliated persons are also subject to compliance with these provisions and their failure to comply or file AD-1026 will result in loss of eligibility to persons or enterprises with whom they are affiliated. (See Page 2 of this form for affiliated persons.)  

11. Producer's Certification:  

I hereby certify that the information on this form is true and correct to the best of my knowledge, and I authorize NRCS to make a HELC and/or certified wetland determination on the farm or farm numbers listed above.  

12A. Producer's Signature: Julie Campbell  
12B. Relationship (indicated signing in the representative capacity):  
12C. Date (MM-DD-YYYY): 8/1/12  

13A. Signature of FSA Representative:  
13B. Date (MM-DD-YYYY):  

13C. Refer to NRCS (Completed by FSA): Sign and date if a NRCS determination is needed for any reason including a "YES" answer in item 9, 10A, 10B, or 10C.
HIGHLY ERODIBLE LAND CONSERVATION (HELC) AND WETLAND CONSERVATION (WC) CERTIFICATION

4. Do you have any interest in land that produces or could produce an agricultural commodity? If "YES", or if you are a Farm Loan Applicant, continue with Item 5. If "NO", and you are not a farm loan applicant, go to Item 12 and sign and date.

5. For farm loan applicants only: Will you conduct any activities for fish production, trees, vineyards, shrubs, building construction, or other non-agricultural purposes on lands for which a wetland determination has not been completed by NRCS or Army Corps of Engineers?

6. Are you a landlord or tenant on any farm that will not be in compliance with HELC and WC provisions? If "YES", enter the farm number or contact your County FSA Office before completing this form. Farm Number:

7. Do any of your landowners refuse to comply with HELC requirements on any farms? If "YES", enter the farm number or contact your County FSA Office before completing this form. Farm Number:

8. List affiliated persons with farming interests. See Page 2 for an explanation. Enter "NONE" if applicable.

9. During the crop year entered in Item 3 above, or the term of a requested USDA loan, did you or will you plant and produce an agricultural commodity on land for which an HELC determination has not been made?

10. Since December 23, 1985, or during the current crop year, or during the term of a requested USDA loan, has anyone performed, or will anyone perform any activities to:

A. Create new drainage systems, or conduct land leveling, filing, dredging, land clearing, excavation, or stump removal, that has NOT been evaluated by NRCS? If "YES", Indicate year(s):

B. Improve or modify an existing drainage system that has NOT been evaluated by NRCS? If "YES", indicate year(s):

C. Maintain an existing drainage system that has NOT been evaluated by NRCS? If "YES", Indicate the year(s): Note: Maintenance is the repair, rehabilitation, or replacement of the capacity of existing drainage systems to allow for the continued use of wetlands currently in agricultural production and the continued management of other areas as they were used before December 23, 1985. This allows a person to reconstruct or maintain the capacity of the original system or install a replacement system that is more durable or will require lower maintenance or costs.

11. If "YES" to Items 5, 9, 10A, 10B and/or 10C enter the following for the land the answer applies to:

   a. Activity: pract

   b. Current land use (specify crops): pract

   c. County: New
d

A "YES", answer in Items 9 or 10 authorizes FSA to refer this AD-1026 to NRCS. If you check "YES" to Item 10C, NRCS does not have to conduct certified wetland determination. (Contact your County FSA Office if you are unsure about the answers to Items 9 or 10.)

Continuous AD-1026 Certification:

I have read the AD-1026 Appendix and understand and agree that my eligibility for certain USDA program benefits is contingent upon this certification of compliance with highly erodible land conservation and wetland conservation provisions of the Food Security Act of 1985 as amended, and if a determination is made that results in a violation and ineligibility, I agree to refund all applicable payments.

- I agree to the terms and conditions stated on AD-1026 Appendix on all land in which I have or will have an interest and understand that I am responsible for any non-compliance with these provisions.
- I agree that I will file an updated AD-1026 if there are any changes in my operation or activities that may affect compliance with these provisions.
- I understand that affiliated persons are also subject to compliance with these provisions and their failure to comply with Item 5 will result in loss of eligibility to persons or enterprises with whom they are affiliated. (See Page 2 of this form for affiliated persons.)

Producers' Certification:

I hereby certify that the information on this form is true and correct to the best of my knowledge, and I authorize NRCS to make a HELC and/or certified wetland determination on the tract or farm numbers listed above.

12. Producers' Signature (By) 12B. Title/Relationship (Individual Signing in the Representative capacity) 12C. Date (MM-DD-YYYY)

   Phillip Campbell  John Doe  8/9/12

13. Referral to NRCS (Completed by FSA). Sign and date if a NRCS determination is needed for any reason including a "YES" answer in Item 9, 10A, 10B, or 10C.

   SINAL - FSA COPY  13A. Signature of FSA Representative  13B. Date (MM-DD-YYYY)

   NRCS/COPY  8/9/12

   PRODUCER'S COPY
### Abbreviated 156 Farm Record

**Operator Name:** PHILIP CAMPBELL

**Farms Associated with Operator:**
- 288, 321, 625, 626, 1281, 1921, 1922, 2140, 2341

**CRP Contract Number(s): None**

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<tr>
<th>Farmland</th>
<th>Cropland</th>
<th>DCP Cropland</th>
<th>WBP</th>
<th>WRP/EWP</th>
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**Tract Number:** 1276 **Description:** 08A/1A

**BIA Range Unit Number:**

**HEL Status:** HEL Determinations not complete

**Wetland Status:** Wetland determinations not complete

**WL Violations:** None

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</tbody>
</table>

**Owners:** PHILIP CAMPBELL

**Other Producers:** None

---

**Signature:**

**Address:**
- P.O. Box 41
- Vendor, AR 72483

**Phone Number:** 870-434-5929
No Hydric Soils
**HIGHLY ERODIBLE LAND CONSERVATION (HELC) AND WETLAND CONSERVATION (WC) CERTIFICATION**

1. **Name of Producer:**
   - **Tara Hansen**

2. **Tax Identification Number (Last 4 digits):**
   - **6553**

3. **Crop Year:**
   - **2017**

4. **Do you have any interest in land that produces or could produce an agricultural commodity?**
   - **YES**

5. **For farm loan applicants only: Will you conduct any activities for fish production, trees, vineyards, shrubs, building construction, or other non-agricultural purposes on lands for which a wetland determination has not been completed by NRCS or Army Corps of Engineers?**
   - **YES**

6. **Are you a landlord or tenant on any farm that will not be in compliance with HELC and WC provisions?**
   - **YES**

7. **Do any of your landlords refuse to comply with HELC requirements on any farms?**
   - **YES**

8. **Let affiliated persons with farming interests. See Page 2 for an explanation. Enter "NONE" if applicable.**
   - **Jesse Hansen**

9. **During the crop year entered in item 3 above, or the term of a requested USDA loan, did you or will you plant and produce an agricultural commodity on land for which an ACEI determination has not been made?**
   - **YES**

10. **Since December 25, 1985, or during the current crop year, or during the term of a requested USDA loan, has anyone performed, or will anyone perform any activities to:**
    - **Create new drainage systems, or conduct land leveling, grading, dredging, land clearing, excavation, or stump removal, that has NOT been evaluated by NRCS?**
      - **YES**
    - **Maintain an existing drainage system that has NOT been evaluated by NRCS?**
      - **YES**
    - **Maintain or repair an existing drainage system that has been evaluated by NRCS?**
      - **YES**

11. **If "YES" to Items 9, 10A, 10B, and 10C, enter the following for the land this answer applies to:**
    - **A. Farm and/or tract/field number:**
    - **B. Activity:**
    - **C. Current land use (specify crops):**
    - **D. County:**

A "YES" answer in Items 9 or 10 authorizes FSA to refer this AD-1026 to NRCS. If you check "YES," to item 10C, NRCS does not have to conduct certified wetland determination. (Contact your County FSA Office if you are unsure about the answers to Items 9 or 10.)

**Continuous AD-1026 Certification:**

I have read the AD-1026 Appendix and understand and agree that my eligibility for certain USDA program benefits is contingent upon this certification of compliance with highly erodable land conservation and wetland conservation provisions of the Food Security Act of 1985 as amended, and if it is determined that I am in violation of and ineligible, I agree to refund all applicable payments.

- I agree to the terms and conditions stated on AD-1026 Appendix on all land which I own and/or have an interest in and understand that I am responsible for any non-compliance with these provisions.
- I agree that if I will not file a revised AD-1026 if there are any changes in my operation or activities that may affect compliance with these provisions.
- I understand that affiliated persons are also subject to compliance with these provisions and their failure to comply or file AD-1026 will result in loss of eligibility to persons or enterprises with whom they are affiliated. (See Page 2 of this form for affiliated persons.)

**Producer's Certification:**

I hereby certify that the information on this form is true and correct to the best of my knowledge, and I authorize NRCS to make a HELC and/or certified wetland determination on the tract or farm numbers listed above.

12A. **Producer's Signature (ify):**
   - **Tara Hansen**

12B. **Title/Relationship (Individual Signing in the Representative capacity):**
   - **Self**

12C. **Date (MM/DD/YYYY):**
   - **8/17/12**

13A. **Signature of FSA Representative:**

13B. **Date (MM/DD/YYYY):**

**Original - FSA Copy [ ] - NRCS Copy [ ] - Producer's Copy [ ]**
HIGHLY ERODIBLE LAND CONSERVATION (HELC) AND WETLAND CONSERVATION (WC) CERTIFICATION

1. Name of Producer
   Jason Henson

2. eTax Identification Number (Last 4 digits)
   0902

3. Crop Year
   2017

4. Do you have any interest in land that produces or could produce an agricultural commodity? If "YES", or if you are a Farm Loan Applicant, continue with Item 6. If "NO", and you are not a farm loan applicant, go to Item 12 and sign date.
   YES  NO

5. For farm loan applicants only: Will you conduct any activities for fish production, trees, vineyards, shrubs, building construction, or other non-agricultural purposes on lands for which a wetland determination has not been completed by NRCS or Army Corps of Engineers?
   YES  NO

6. Are you a landlord or tenant on any farm that will not be in compliance with HELC and WC provisions? If "YES", enter the farm number or contact your County FSA Office before completing this form. Farm Number:
   Contact your County FSA Office if you are unsure of the highly erodible land (HEL) or wetland determinations applicable to your farming interests.

7. Do any of your landlords refuse to comply with HELC requirements on any farms? If "YES", enter the farm number or contact your County FSA Office before completing this form. Farm Number:
   YES  NO

8. List affiliated persons with farming interests. See Page 2 for an explanation. Enter "NONE", if applicable.
   Tana Henson

9. During the crop year entered in Item 3 above, or the term of a requested USDA loan, did you or will you plant and produce an agricultural commodity on land for which an HEL determination has not been made?
   YES  NO

10. Since December 23, 1985, or during the current crop year, or during the term of a requested USDA loan, has anyone performed, or will anyone perform any activities to:
   A. Create new drainage systems, or conduct land leveling, filing, dredging, land clearing, excavation, or stump removal, that has NOT been evaluated by NRCS? If "YES", Indicate year(s):
   B. Improve or modify an existing drainage system that has NOT been evaluated by NRCS? If "YES", Indicate year(s):
   C. Maintain an existing drainage system that has NOT been evaluated by NRCS? If "YES", Indicate the year(s):

11. If "YES" to Items 5, 9, 10A, 10B and/or 10C enter the following for the land the answer applies to:
   A. Farm and/or tract/field number:
   B. Activity:
   C. Current land use (specify crops):
   D. County:

A "YES", answer in Items 9 or 10 authorizes FSA to refer this AD-1026 to NRCS. If you check "YES", to Item 10C, NRCS does not have to conduct certified wetland determination. (Contact your County FSA Office if you are unsure about the answers to Items 9 or 10.)

Continuous AD-1026 Certification:

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12. Producer's Certification:
I hereby certify that the information on this form is true and correct to the best of my knowledge, and I authorize NRCS to make a HELC and/or certified wetland determination on the tract or farm numbers listed above.

12A. Producer's Signature (By)
Jason Henson

12B. Title/Relationship (Individual Signing in the Representative capacity)
Self

12C. Date (MM-DD-YYYY)
8-7-12

13. Referral to NRCS (Completed by FSA). Sign and date if a NRCS determination is needed for any reason including a "YES" answer in Item 9, 10A, 10B, or 10C.

13A. Signature of FSA Representative
Virginie Fowler

13B. Date (MM-DD-YYYY)
8-9-12

ORIGINAL - FSA COPY
NRCS COPY
PRODUCER'S COPY
Disclaimer: Wetland identifiers do not represent the size, shape or specific determination of the area. Refer to your original determination (CPA-026 and attached maps) for exact wetland boundaries and determinations, or contact NRCS.
Operator Name: JASON HENSON
Farms Associated with Operator: 2368

CRP Contract Number(s): None

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Tract Number: 2128  Description: P8A/2A

FIA Range Unit Number:
HEL Status: HEL Determinations not complete
Wetland Status: Wetland determinations not complete
WL Violations: None

Owners: JASON HENSON
Other Producers: None

Signature: Jason Henson
HC 72 BX 10
Mt. Grotto, AR 72655
870-437-5577
Reference: TA0629

Dan Benton
Farm Credit of Western Arkansas
129 W. Industrial Park Road
Harrison, AR 72601

Dear Mr. Benton:

The U.S. Fish and Wildlife Service (Service) has reviewed the information supplied in your letter dated June 26, 2012, regarding the proposed construction of a 2500 head swine facility near the City of Ponca, Newton County, Arkansas. Our comments are submitted in accordance with the Endangered Species Act (87 Stat. 884, as amended 16 U.S.C. 1531 et seq.).

The following federally listed threatened and endangered species are known to occur in this region: Gray bat (*Myotis grisescens*), and Indiana bat (*Myotis sodalis*). In addition, the candidate species rabbitsfoot (*Quadrula cylindrica cylindrica*) is also known to occur in this region.

Sediment and/or nutrient transport from the proposed project location may have direct, indirect, and/or cumulative effects to mussels, fish hosts, and/or their habitat(s). The effects of sedimentation and nutrients (e.g., ammonia, etc.) on mussels, fish, and their habitats are well documented in the scientific literature. Adverse effects associated with sedimentation and nutrification from all phases of construction activities may be minimized and/or alleviated through proper implementation and maintenance of erosion control best management practices and maintaining vegetative buffers. Buffer width is dependent upon slope, vegetation type, and soil types. The Service can provide additional technical assistance on appropriate vegetative buffer widths upon request.

The following best management practices (BMPs) do not override other BMPs that may have been specified to use from other sources, but are in addition to those instructions.

**Erosion and Sediment Control**

BMPs should be implemented for all construction projects within karst landscapes. BMPs should include filter fences, straw bales, interceptor dikes and swales, sediment traps, ditch checks, detention basins, mulching, seeding, and/or revegetation as appropriate. Mats or netting should be applied on steep slopes and stream banks. Erosion and sediment control measures should be sized to handle at least the 25 year flood and 24-hour storm event. Erosion and sediment control BMP’s should be implemented to prevent sediment and contaminants from entering groundwater.
It is important that construction plans reduce erosion and sedimentation into streams and karst features by:

- Identifying areas with potential for erosion problems prior to construction initiation.

- Avoiding wetlands and low lying areas.

- Restoring steep embankments with seed, mulch, fertilizer, and implementing erosion control measures such as silt fences, straw bales, matting, and sediment traps. Soil stabilization immediately after earth work is complete is critical.

- Restoring steep approaches to stream crossings by seeding, mulching, fertilizing, and implementing erosion control measures such as silt filter fences, ditch checks, straw bales, matting, and sediment traps. It is critical that restoration be implemented immediately after construction.

- On approaches to stream crossings, drainage control structures should be located at the top and base of the slope/bank. Runoff should be routed to stable slopes on either side of the right of way, or routed via temporary conveyance structures to the base of the approach slope where it can infiltrate into the stream bank and eventually seep back to the channel.

**Construction in Sensitive Areas**

As the true extent of the underground environment is difficult to clearly delineate, undiscovered karst features; such as cave openings, sinkholes, and underground passages may occur on or near a project site, even in previously developed areas. Therefore, the Service recommends the following precautionary measures be taken to avoid impacts to groundwater and sensitive or endangered species which may inhabit karst features not previously surveyed.

1. Survey existing and any new right-of-ways for karst features such as caves, sinkholes, losing streams, and springs.

2. Establish a natural area of 300 feet or greater around any cave, sinkhole, losing stream, or spring found during the survey (or during any aspect of project implementation). The Service should be contacted for further evaluation to determine if caves are used by sensitive or federally listed species.

3. If a cave is used by sensitive or federally listed species, the Service may request that the cave be mapped to determine if additional openings or passages may be affected by the project. The Service may recommend modifications of the proposed project to allow natural areas to be established. Incorporation of natural areas may be necessary to avoid impacts.

4. If caves or other openings are encountered during construction, the Service requests that work efforts cease within 300 feet of the opening. The opening should be adequately marked and protected from work activities, and the Service should be contacted.
immediately. No fill materials should be placed into the opening until Service or Service approved personnel have the opportunity to inventory the site.

5. The Service should assess caves located prior to or during construction for sensitive/endangered species and provide recommendations before activities proceed.

6. No blasting should be permitted in the vicinity of any known karst feature without previous consultation.

Additional measures may be required for construction near sensitive areas including stream channels and karst features. Care should be taken when working around streams and karst features to prevent unnecessary damage to or removal of vegetation. If a cave or fracture is breached or surface water is rerouted into a karst feature, all activities should cease and the Service should be contacted to assess the situation and provide further consultation before proceeding.

Staging areas should be at least 300 feet away from streams, wetlands, and karst features. All streams, wetlands, and karst features adjacent to disturbed areas should be protected by the use of silt fence, straw bales, and other BMPs necessary to prevent sediment from entering water bodies. A combination of several measures may be necessary to decrease damage at stream crossings. In streams with enough flow, temporary in-stream settling ponds should be used to catch sediment generated by construction. Sediment should be removed as soon as construction is completed. For smaller streams or where appropriate, water could be bypassed through construction areas by the use of flume pipes, pumps, or coffer dams. Stream can be bypassed using directional drilling techniques, as discussed later.

Streams and karst areas should be restored and stabilized immediately following construction activities. Native plants, mats, netting, and other BMPs should be used to stabilize banks. Instream deflectors and anchored logs should be used in high velocity streams to protect vulnerable banks and allow for reestablishment of vegetation. Riprap revetment should also be used, if necessary, to help stabilize slopes in areas of high velocity stream flows. The use of riprap should, however, be minimized. Rock typical of the local geology should be used if available. Monitoring of BMP performance in critical areas, particularly at sensitive stream crossings and stream approach slopes should be conducted and documented on a routine basis prior to and after storms during construction and operation. Based on monitoring, additional BMPs or other improvements may be necessary to insure minimization of impact.

All efforts should be made to minimize stream alterations which could impact water quality and fish and wildlife resources. Construction along streams should not take place during fish spawning seasons if possible.

**Stormwater**

Stormwater concerns occur during construction and after the site is developed and stabilized. Threats to groundwater shift from sediment and fuel/oil/grease, to lawn chemicals, oil and grease from personal vehicles, brake dust, chip scales, roof tar, and other household contaminants. Plans should be made to address post construction stormwater contaminants.
The Arkansas Department of Environmental Quality and the Environmental Protection Agency oversee and permit stormwater runoff. In 2003, the Northwest Arkansas Regional Planning Commission developed the Northwest Arkansas Stormwater Quality Best Management Practices Preliminary Guide Manual for community use. The manual was developed with six control measures including public education and outreach, public participation and involvement, illicit discharge, detection and elimination, construction site runoff control, post-construction runoff control, pollution prevention, and good housekeeping. When open land is developed the hydrology of the site completely changes. Possible contaminants associated with development include sediment, nutrients, microbes, organic matter, toxic contaminants, trash, and debris. Each of these together or separately can pollute groundwater. Once contaminants leave the site and enter drainage within a groundwater recharge zone, whatever the water was carrying is now contributing to groundwater contamination threatens rare and endangered karst animals.

The Migratory Bird Treaty Act (16 U.S.C. 703-712) prohibits the taking, killing, possession, transportation, and importation of migratory birds, their eggs, parts, and nests, except when specifically authorized by the Department of the Interior. The Service also recommends following APLIC (Avian Power Line Interaction Committee) guidelines to prevent and reduce avian electrocution mortality. The APLIC guidelines recommend developing an APP (Avian Protection Plan) which is a document that outlines programs designed to reduce avian electrocution for specific utilities. The APP guidelines and principles are available on the website of APLIC at http://www.aplic.org/. If there is any proposed tree removal the Service recommends doing so during the winter months in order to protect nesting birds and bats.

The comments herein are for the sole purpose of providing technical assistance to the action agency or for individual pre-project planning assistance. These comments and opinions should not be misconstrued as an “effect determination” or considered as concurrence with any proceeding determination(s) by the action agency in accordance with Section 7 of the ESA. These comments do not authorize the “take” of a threatened or endangered species as defined under the ESA. In the absence of authorization (e.g., an ESA Section 10 Permit, a Biological Opinion with “incidental take” provisions, a finding concurrence letter, etc.) from the Service, both lethal and nonlethal “take” of protected species are in violation of the ESA.

We appreciate your interest in the conservation of endangered species. If you have any questions, please contact the Arkansas Ecological Services Staff at (501) 513-4487.

Sincerely,

[Signature]

Jim Boggs
Project Leader
June 26, 2012

U.S. Fish and Wildlife Service
Ms. Margaret Harney
110 South Amity Road
Suite 300
Conway, AR 72032

Farm Credit Services of Western Arkansas is considering a loan request on the farm identified below. The proposed loan will have a Farm Service Agency guarantee. Your comments are required concerning Archaeological or Historic Importance along with wildlife habitat.

Applicants: Jason T & Tana L Henson
Phillip & Julie Campbell
Richard & Mary Campbell

Location: Section 26, Township 15 North, Range 20 West, Newton County, AR – 23.43 acres.

Project: Construct 2500 head swine facility.

We know of no wildlife or habitat that will be affected with this construction.

Attached are location maps and topo maps showing latitude & longitude. If you have any questions concerning the above, do not hesitate to contact Dan Benton@870-741-2020. As there is an application pending your review, please fax your response to 870-741-5851.

Sincerely,

[Signature]
Dan Benton
Assistant Vice President

DB/rla

Farms, Homes, Land...we do it ALL!
July 10, 2012

Mr. George McCluskey  
Arkansas Historic Preservation Program  
1500 Tower Building  
323 Center Street  
Little Rock, AR 72201  

RE: Jason T & Tana L Henson  
Phillip, Julie, Richard & Mary Campbell  

Dear Mr. McCluskey:

As per your letter (copy enclosed), attached is the topographic map for the above referenced customers.

Please call if you should have any questions.

Sincerely,

Dan Benton  
Assistant Vice President  

DB/rla  
Attachment/Enclosure

Frances McSwain, Deputy State  
Historic Preservation Officer

Farms, Homes, Land...we do it ALL!
Comprehensive Nutrient Management Plan

for

C and C Hog Barn

Owner: Richard Campbell
Address: P.O. Box 45
City: Vendor, Arkansas Zip: 72683
Telephone: (870) 434-5874

Location(s): T.15 N., R.21 W., Section 34
Latitude: 35° 54' 43'' Longitude: 93° 12' 09''

Newton County, Arkansas
Hydrologic Unit #: 110100050101

Watershed: Shop Creek-Little Buffalo River-Buffalo River

February 2011

Prepared by the Newton County Conservation District in Cooperation with the USDA-Natural Resources Conservation Service.
Comprehensive Nutrient Management Plan
C & C Hog Barn
Newton County, Arkansas

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- Names, phone numbers, and address of owners and operators
- Location of production site; legal, latitude and longitude
- Farmstead sketch (used arc map)
- Natural Resource Concerns
- Operation procedures specific to the production site
- Land owner responsibility guide

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- Animal inventory: type, phase of production, length of confinement, animal count, average weights
- Composter design
- Planned Manure Exports off farm (land use contracts)
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- Planned Internal Transfers of Manure
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Soil Test Data
Manure Analysis
Manure Application Planning Calendar
Planned Nutrient Applications
Application equipment descriptions and methods of application
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Field Nutrient Balance
Manure Inventory Annual Summary
Fertilize Material Annual Summary
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Manure application records
Soil test not more than five years old
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General soil condition at application time
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Record of internal inspections for manure system components
Record of any spills
Manure exports (land use contracts)
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Internal transfers of manure
Inspection/Monitoring Records of the facility
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REFERENCES:
NRCS NATIONAL PLANNING PROCEDURES HANDBOOK
NRCS NATIONAL ENGINEERING MANUAL
NRCS NATIONAL AGRONOMY MANUAL
NRCS ENVIRONMENTAL COMPLIANCE HANDBOOK
NRCS CULTURAL RESOURCES HANDBOOK
Comprehensive Nutrient Management Plan Approval Sheet  
Natural Resources Conservation Service – Arkansas

Operation: C & C Hog Farm  
County: Newton

Decision Maker: Richard Campbell  
Conservation District: Newton County Conservation District

This Comprehensive Nutrient Management Plan (CNMP) has been developed with the assistance and approval of individuals certified in the following required components. This CNMP is not considered final until signed and dated by the producer/decision maker and the person certified to sign as the CNMP Approver.

Manure and Wastewater Handling and Storage Component

I certify that this CNMP properly addresses manure and wastewater handling and storage relative to this operation.

Approved By (Type or Print):  
Signature:  
Date: 3-23-11
Title: Soil Embroider

Land Treatment Component

I certify that this CNMP properly addresses land treatment measures relative to this operation.

Approved By (Type or Print): Margaret Lomax  
Signature:  
Date: 4-19-11
Title: District Conservationist

Nutrient Management Component

I certify that this CNMP properly addresses nutrient management issues relative to this operation.

Approved By (Type or Print): Stacey Clark  
Signature:  
Date: 4-19-11
Title: Water Quality Technician

Conservation District

As a representative of the Conservation District, I certify that this CNMP meets the district's approved.

Signature: Frank Breedlove  
Date: 4-28-11

Decision Maker

As the decision maker for the operation associated with this CNMP, I certify that I have been involved in the planning process and agree with the practices in each component. I understand that I am responsible for keeping all necessary records associated with this CNMP. It is my intent to implement this CNMP in a timely manner.

Signature: Richard Campbell  
Date: 5-10-11

Final CNMP Approval

As an individual certified to approve a CNMP, I certify that I have reviewed this CNMP and that all elements, including Other Utilization if used, are technically compatible and can reasonably be expected to be implemented.

Approved By (Type or Print):  
Signature:  
Date:  
Title: DC

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To file a complaint of discrimination, write USDA, Office of Civil Rights, Room 326-W, William Jefferson Clinton Federal Building, 14th and Independence Avenue, SW, Washington, DC 20410 or call (202) 720-5964 (voice and TDD). USDA is an equal opportunity provider and employer.
Section 1  BACKGROUND AND SITE INFORMATION

General description of operation with size and type of animals
Names, phone numbers, and address of owners and operators
Location of production site: legal, latitude and longitude
Farmstead sketch (using arc map)
Natural Resource Concerns
Operation procedures specific to site
Land Owner responsibility guide
SECTION 1 - PURPOSE AND GOALS OF THIS PLAN

Introduction
This Comprehensive Nutrient Management Plan (CNMP) is an overall conservation system for your planned animal feeding operation (AFO) and is site-specific for this farm. A CNMP is a conservation plan for animal feeding operations, consisting of a group of conservation practices and management activities which, when implemented as part of a conservation system will help to ensure both production and natural resources protection goals are achieved.

This CNMP documents the Animal Feeding Operation Owner’s consideration of the six CNMP elements.

- Manure and Wastewater Handling and Storage
- Land Treatment Practices
- Nutrient Management
- Record Keeping
- Feed Management
- Other Utilization Activities

This CNMP contains actions that address water quality criteria for the system production area and land on which the manure and organic by-products will be applied. This includes soil erosion considerations to reduce the transport of nutrients within and off a field to which manure is applied.

This CNMP will meet all requirements of the NRCS Field Office Technical Guide (FOTG) conservation practices contained within this plan.

This CNMP will meet all applicable local, state and federal regulations, and will ensure that all applicable USEPA-NPDES or state permit requirements are met. This CNMP will comply with Arkansas ADEQ Regulation 5.

This CNMP is intended to be a working document with additions to the plan, such as records and agreements. It incorporates conservation practices and management activities, which will ensure that both agriculture production and environmental protection goals are achieved. The goal of manure and nutrient management is to effectively and efficiently use the nutrient resources to adequately supply soils and plants with the proper amount of nutrients to produce food, forage, fiber, and cover while minimizing the transport of nutrients to ground and surface water and environmental degradation. An important part of this plan is the Nutrient Management Plan (NMP), which specifically addresses manure production and application recommendations. See Section 6 – Nutrient Management. The major concern areas for this farm have been identified in the following table:

<table>
<thead>
<tr>
<th>WATER QUALITY CONCERNS</th>
<th>OTHER CONCERNS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Manure Runoff (From Facilities)</td>
<td>Aesthetics</td>
</tr>
<tr>
<td>Manure Runoff (Field Applications)</td>
<td>Maximize Nutrient Utilization</td>
</tr>
<tr>
<td></td>
<td>Odor Control / Neighbor Relations</td>
</tr>
</tbody>
</table>
Nitrogen and Phosphorus vs. Water Quality

The primary source of nutrients for this farm is feed supplied for the swine operation. A significant portion of these nutrients are retained in the manure. These nutrients are land applied and are utilized as a fertilizer for pasture and hay land. Phosphorous is typically the most critical nutrient and land application of wastes is limited by the phosphorus content of the manure. Additional sources of nitrogen may be required in order to balance the nutrient requirements of the grasses on the farm. Additional fertilizer recommendations are included in the soils analysis section of the Nutrient Management Plan.

Cattle ranging on pasture are not considered a significant additional source of nutrients unless a substantial amount of their diet is supplied by feed or hay from off the farm. Any significant outside sources of nutrients are addressed in the Nutrient Management Plan. Any increase in nutrient build-up in the soil due to cattle grazing will be slow and will be identified in routine soil tests. Corrective actions will be taken according to the recommendations of the latest soils analysis.

Water Quality

Past scientific research has shown that improper animal waste applications may be a detriment to water quality. Nitrogen and phosphorus are the two nutrients most often identified as impairing the quality of our ground and surface water. Nitrogen leaching out of the root zone can be transported to surface water or leach to groundwater. Phosphorus runoff entering the surface water contributes to excessive algae growth causing low oxygen levels in rivers and lakes that impairs aquatic life and contributes to bad tasting drinking water. Long-term manure applications based on meeting the nitrogen needs of crops have resulted in excessive levels of phosphorus accumulating in the soil due to the ratio of N:P required by the plant being greater than the N:P ratio found in manure. Also of significant concern is the amount of soluble phosphorus that exists in manure itself. The soluble fraction of phosphorus is highly prone to transport in runoff water and is immediately available for uptake by algae and other aquatic plants. Following the recommendations of this CNMP will minimize the transport of nitrogen and phosphorus to surface and groundwater.

Due to the environmental quality concerns, land application of swine manure will be based upon the phosphorus content in the soil and in the manure to be applied. Specific planned rates of nitrogen and phosphorus application were determined based on the phosphorus index for Arkansas, "Phosphorus Index for Pastures", developed by the University of Arkansas.

Cattle access to streams and waterways should be limited in order to minimize wading and standing in water. Direct access to water by cattle ranging on pasture can be a significant source of nutrients to the stream and can degrade water quality.

Goals

1. Apply manure and animal wastes to obtain maximum benefit while minimizing runoff of nutrients.
2. Operate the farm in a socially and environmentally acceptable manner.
SECTION 1 – PLANNED SYSTEM DESCRIPTION

Location and General Information
The legal description for facility location is SW ¼ NW ¼ and NW ¼ SW ¼ of section 34, Township 15 N., Range 21 W. in Newton County, Arkansas. Mailing address and location of this facility is P.O. Box 45: Vendor, Arkansas 72683, phone number is 870-434-5874. Latitude is 35° 54' 36" N., longitude 93° 12'09" W. on the Parthenon, AR Quadrangle Topographic Map.

Animal Numbers and Management
This is an existing swine operation and is located approximately 2 miles north of the HWY 16 and Hwy 21 Junction at Deer, then approximately 3 miles on Smith Mountain Road. Attached is an aerial photo showing the location of farm, boundary lines, and swine operation.

The existing swine operation will utilize 3 houses to confine 312 sows (260 gestating sows with an average weight of 400 pounds and 52 lactating sows with an average weight of 375 pounds): 4 boars with an average weight of 450 pounds; and 300 weaner pigs with an average weight of 8 pounds each. All animals are totally confined in house. These animal numbers will remain constant and will not change in the development of this plan.

Waste Management System
Wastes are to be washed into sumps from each house then piped via pipe into the holding ponds. Waste system is designed with holding ponds. The holding ponds are designed to provide 120 day storage of liquids and waste. The volume of the holding ponds combined has a storage volume of 723 cubic yards. The holding ponds will provide in excess of 120 days storage of total waste production, wash water, rainfall accumulation and rainfall from a 25 year – 24 hour storm event (6.9 inches per 24 hours). All rainfall runoff is diverted away from the waste storage structures.
Land Base

There is approximately 616.5 acres of pasture/hayland available for waste application and utilization for this operation. Approximately 25.2 of these acres are on the farm with the additional acreage being on local farms: John Gunter with 17.0 acres, Daryl Campbell with 15.7 acres Harl Bohannon with 40.7 acres, Robert/Wilma Middleton with 103.6 acres, Charles Burdine with 200.5, Phillip Campbell with 18.3 acres, Richard Campbell with 30.4 acres, Mike Middleton with 43.8, Lynn Carl Middleton with 53.8 acres, Ed Mills with 6.6 acres, Gary Dotson with 10.2 acres, Ricky Campbell with 36.2 and Eugene Casey with 14.5 acres. Signed easements, with these adjacent landowners, have been obtained to allow waste application. All waste application areas are predominantly Bermudagrass/cool season grass hay lands and pastures. The following table summarizes the application areas:

<table>
<thead>
<tr>
<th>Field No.</th>
<th>Owner Name</th>
<th>Section</th>
<th>Township</th>
<th>Range</th>
<th>Total Available Acres</th>
</tr>
</thead>
<tbody>
<tr>
<td>CCGW</td>
<td>C &amp; C Hog Barn</td>
<td>34</td>
<td>15 N</td>
<td>21 W</td>
<td>20.0</td>
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<tr>
<td>CC1</td>
<td>C &amp; C Hog Barn</td>
<td>34</td>
<td>15 N</td>
<td>21 W</td>
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<tr>
<td>JG-A</td>
<td>John Gunter</td>
<td>33,34</td>
<td>15 N</td>
<td>21 W</td>
<td>14.0</td>
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<tr>
<td>JG-B</td>
<td>John Gunter</td>
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<td>15 N</td>
<td>21 W</td>
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<tr>
<td>EC-A</td>
<td>Eugene Casey</td>
<td>4</td>
<td>14 N</td>
<td>21 W</td>
<td>4.8</td>
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<tr>
<td>EC-B</td>
<td>Eugene Casey</td>
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<td>14 N</td>
<td>21 W</td>
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<tr>
<td>DC</td>
<td>Daryl Campbell</td>
<td>34</td>
<td>15 N</td>
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<tr>
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<td>30</td>
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<tr>
<td>HB2</td>
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<td>21 W</td>
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<tr>
<td>HB3</td>
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<td>14 N</td>
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<tr>
<td>LCM1</td>
<td>Lynn Carl Middleton</td>
<td>14,22,23</td>
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<tr>
<td>LCM2</td>
<td>Lynn Carl Middleton</td>
<td>14,22,23</td>
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<td>21 W</td>
<td>16.2</td>
</tr>
<tr>
<td>LCM3</td>
<td>Lynn Carl Middleton</td>
<td>14,22,23</td>
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<td>21 W</td>
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<tr>
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<td>36</td>
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<td>Robert Middleton</td>
<td>25 &amp; 36</td>
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<tr>
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<tr>
<td>MM2</td>
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<td>28 &amp; 29</td>
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<td>20 W</td>
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<tr>
<td>MM3</td>
<td>Mike Middleton</td>
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<tr>
<td>CB2</td>
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</tr>
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<td>CB9</td>
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<td>19 &amp; 20</td>
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<td>Section</td>
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<td>Range</td>
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<td>CB10</td>
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<td>19 &amp; 20</td>
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<td>EM1</td>
<td>Ed Mills</td>
<td>33</td>
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<td>6.6</td>
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<tr>
<td>GD1</td>
<td>Gary Dotson</td>
<td>5</td>
<td>13 N</td>
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</tr>
<tr>
<td>VIV1</td>
<td>Ricky Campbell</td>
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<td>14 N</td>
<td>21 W</td>
<td>22.9</td>
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<tr>
<td>VIV1A</td>
<td>Ricky Campbell</td>
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<td>21 W</td>
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</tr>
<tr>
<td></td>
<td>Total Acres</td>
<td>616.5</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>


General
- Regulations of the Arkansas Department of Environmental Quality will be followed.
- This is a waste management permit request for a planned 312 sow, 300 pig, swine operation in Newton County. Wastes and wash water from the three houses shall be piped into the settling basin, providing 90 day storage for sludge accumulation. The settling basin overflows into a earthen, holding pond which shall provide a 120 day storage for wastes, wash water, and rainfall accumulation, including rainfall from a 25 year - 24 hour storm event. Freeboard in the holding pond shall be maintained at a minimum of 1 foot and an additional 10 inches of storm storage shall be kept vacant at all times. The liquid wastes shall be land applied using a liquid manure spreader and/or irrigation system.

Waste Management
- The liquid wastes are to be applied to the pastures by means of a liquid manure spreader and/or irrigation system. Applications in flood prone areas are not to be made during flooding seasons. Applications of wastes shall not to be made on frozen or snow-covered ground, when the ground is saturated, during rainy weather, or within 24 hours of predicted rainfall.
- It is required that surface application of animal wastes shall not be made within 50 feet of property lines; 100 feet of streams including intermittent streams, ponds, lakes, springs, sinkholes, rock outcrops, wells and water supplies; 300 feet of extraordinary resource waters and 500 feet of neighboring occupied buildings.
- Wastes shall be distributed as evenly as possible.
- Wastes shall not be applied on slopes with a grade in excess of 15 percent or in any manner that will allow wastes to enter the waters of the state.
- ADEQ has developed a standard form entitled “Animal Waste Application Records” for use in logging waste applications. This form is located at the back of the “Operation and Maintenance” section of this report.
- Odor reduction recommendations:
  a) avoid spreading when the wind will blow toward populated areas.
  b) avoid spreading just before weekends and holidays when people are more likely to be outdoors.
  c) avoid spreading near heavily traveled roadways.
  d) spread in the morning when the air is warming and rising rather than in the late afternoon.
  e) consider weather conditions - sunny, low humidity days reduce odors; turbulent breezes will dilute and dissipate odors.
  f) incorporating manure into the soil by injecting, plowing, disking, or chiseling helps reduce nutrient losses and odors.
Operation and Maintenance

- Odor reduction recommendations:
  g) avoid spreading when the wind will blow toward populated areas.
  h) avoid spreading just before weekends and holidays when people are more likely to be outdoors.
  i) avoid spreading near heavily traveled roadways.
  j) spread in the morning when the air is warming and rising rather than in the late afternoon.
  k) consider weather conditions - sunny, low humidity days reduce odors; turbulent breezes will dilute and dissipate odors.
  l) incorporating manure into the soil by injecting, plowing, disk ing, or chiseling helps reduce nutrient losses and odors.
Operation and Maintenance

Continued

Structural
- Check the settling basin and holding pond structures for excessive settlement.
- Visually inspect the structures, when empty, for cracks or damage. Have necessary repairs made immediately.
- Inspect irrigation components to verify correct operation. Make repairs or corrections immediately.
- Livestock shall be prevented from entering the settling basin and holding pond areas. If existing fencing is not adequate, fencing should be installed.
- Check all diversions to insure that all runoff is being diverted away from the system. If necessary, make immediate repairs. All diversions should have a good vegetative cover.
- Check for burrowing animals around the embankments and make necessary repairs.
- Examine and repair, as needed, any warning and hazard signs.
- It is required that you install a marking or gauge post to clearly show liquid depth in the holding pond.

Fencing Recommendations
- Inspect fences at least once per year to see that they are not cut, broken or pushed down, and the posts and braces are in place.
- Weeds, grass and sprouts along and under the fence should be cut at least once per year.
- Gates should be kept closed and latched to prevent swinging and sagging.
- Any warning signs posted on the fences should be inspected to determine if they are visible and legible.
- Wire tension in the fences should be checked and the fence repaired if sagging is excessive.
- Do not burn weeds or grass under or around the fencing as this destroys the galvanized coating and accelerates rusting.
- Loose and lost staples and broken tie wires should be replaced during the annual fence inspection.

Safety
- If the potential exists for people entering or falling into the holding pond, the waste storage structure should be posted with signs with the following or a similar warning:
  DANGER - KEEP OUT - THIS IS A WASTE STORAGE STRUCTURE AND PROLONGED EXPOSURE MAY BE HAZARDOUS TO YOUR HEALTH!

Dead Animal Disposal
- Dead animals will be incinerated on this farm. See the burial instruction sheet in this report in case of mass die off.
## SECTION 1 – LANDOWNER RESPONSIBILITY GUIDE
Landowner's Responsibility for Constructed Conservation Systems with USDA Assistance

<table>
<thead>
<tr>
<th>Landowner</th>
<th>Contractor</th>
<th>NRCS/CD</th>
</tr>
</thead>
</table>
| **During Planning** | - Identifies problems and management objectives  
- Checks utility locations  
- Assists with survey and site investigations as needed  
- Identifies needed permits  
- Selects from alternatives  
- Identifies and applies for cost-share | - Inventories resources and identifies resource problems  
- Analyzes resource data  
- Alerts landowner to wetlands, historical sites, etc.  
- Formulates alternatives to meet landowner objectives  
- Evaluates alternatives  
- Develops plans for landowner’s selected alternatives  
- Conducts site evaluations and surveys as needed  
- Informs landowner of operation and maintenance responsibilities | |
| **During Design** | - Is available for consultation  
- Obtains needed permits  
- Locates utilities  
- Reviews plan for agreement  
- Concurs in operation and maintenance plan | - TSP will provide design for anaerobic digester  
- May assist in survey and site investigations. | - Conducts needed surveys  
- Design components not being designed by TSP  
- Reviews design with landowner  
- Prepares cost estimates  
- Develops O & M plan  
- Provides agency approval  
- Informs landowner of safety responsibilities |
<table>
<thead>
<tr>
<th>During Construction</th>
<th>Landowner</th>
<th>Contractor</th>
<th>NRCS/CD</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>• Is available for consultation and decisions</td>
<td>• Participates in pre-construction conference</td>
<td>• Assists landowner with pre-construction conference</td>
</tr>
<tr>
<td></td>
<td>• Follows all laws and regulations</td>
<td>• Observes and verifies located utilities</td>
<td>• Informs landowner and contractor of inspection results</td>
</tr>
<tr>
<td></td>
<td>• Hires contractors</td>
<td>• Works safely within OSHA requirements</td>
<td>• Informs landowner of unexpected conditions or situations</td>
</tr>
<tr>
<td></td>
<td>• Hosts a pre-construction conference</td>
<td>• Informs landowner of construction schedule</td>
<td>• Assesses the need for design modifications and provides alternatives</td>
</tr>
<tr>
<td></td>
<td>• Notifies utilities as needed</td>
<td>• Obtains materials, equipment and labor</td>
<td>• Certifies proper completion of construction</td>
</tr>
<tr>
<td></td>
<td>• Notifies NRCS prior to construction beginning</td>
<td>• May provide layout and QC surveys</td>
<td></td>
</tr>
<tr>
<td></td>
<td>• Assures compliance with the design</td>
<td>• Uses materials as shown in the plan</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>• Documents materials used</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>• Furnishes measurements and other needed information for certification of completion</td>
<td></td>
</tr>
<tr>
<td>Maintenance</td>
<td>• Follow operation and maintenance plan and updates as needed. Contacts NRCS for additional assistance, if needed</td>
<td>• Provides warranties to landowner as agreed</td>
<td>• Follows up with operation and maintenance plan and assists landowner with plan update, as needed</td>
</tr>
<tr>
<td></td>
<td>• The landowner is ultimately responsible for the proper construction and maintenance of a conservation system</td>
<td>• The contractor is responsible for constructing the system according to design and specifications, for quality control and safety</td>
<td>• NRCS is responsible for inspecting and certifying that project plans and specifications are met. NRCS staff cannot train or direct construction operations for contractors.</td>
</tr>
</tbody>
</table>
Section 2  MANURE & WASTEWATER HANDLING/STORAGE

Maps of production area(s) topographic, cons. plan, soils, waste util., plat, county
Manure storage: calculated manure and wastewater storage volume, lengths, width
Animal inventory: type, numbers, weight, length of confinement
Planned manure exports off farm (land use contracts)
Planned manure imports onto farm
Planned internal manure transfers
Documentation of existing or planned facility (drawings)
Copy of standards & specifications no. 313, 633, 590, and 316
Map Unit Description (Brief)

Newton County, Arkansas

(Only those map units that have entries for the selected non-technical description categories are included in this report)

Map Unit: 3 - Arkansas-Moko complex, 20 to 40 percent slopes

Description Category: WOL

Moko soils have a severe surface runoff potential and a high leaching index. Nutrient movement to surface and ground waters is a hazard on these soils. A system of intensive nutrient management practices that reduces runoff and erosion and minimizes the movement of soluble nutrients below the root zone should be planned on these soils. Soluble forms of nutrients should be applied with extreme caution or avoided if other forms of nutrients are available.

Map Unit: 5 - Cose cobbly loam, frequently flooded

Description Category: WOL

These soils have a severe surface runoff potential, due to frequent flooding, and a high leaching index. Nutrient movement to surface and ground waters is a hazard on these soils. A system of intensive nutrient management practices that reduces runoff and erosion and minimizes the movement of soluble nutrients below the root zone should be planned on these soils. Soluble forms of nutrients should be avoided if other forms of nutrients are available.

Map Unit: 7 - Clarksville very sandy silt loam, 20 to 50 percent slopes

Description Category: WOL

These soils have a severe surface runoff potential and a high leaching index. Nutrient movement to surface and ground waters is a hazard on these soils. A system of intensive nutrient management practices that reduces runoff and erosion and minimizes the movement of soluble nutrients below the root zone should be planned on these soils. Soluble forms of nutrients should be applied with extreme caution or avoided if other forms of nutrients are available.

Map Unit: 8 - Eden-Newnatsa complex, 0 to 20 percent slopes

Description Category: WOL

These soils have an moderate surface runoff potential and a moderate leaching index. Nutrient movement to surface and ground waters could be a hazard on these soils. In addition to management practices such as soil tests, proper application rates and split applications of soluble forms of nutrients, a system of practices that reduces runoff and erosion and minimizes the movement of soluble nutrients below the root zone should be planned on these soils.

Map Unit: 13 - Enders story loam, 3 to 20 percent slopes

Description Category: WOL

These soils have a moderate surface runoff potential and a moderate leaching index. Nutrient movement to surface and ground waters could be a hazard on these soils. In addition to management practices such as soil tests, proper application rates and split applications of soluble forms of nutrients, a system of practices that reduces runoff and erosion and minimizes the movement of soluble nutrients below the root zone should be planned on these soils.
Map Unit Description (Brief)

Newton County, Arkansas

Map Unit: 14 - Enders silt loam, 20 to 40 percent slopes

Description Category: WQL

These soils have a severe surface runoff potential and a moderate leaching index. Nutrient movement to surface waters is a hazard on these soils. Nutrient movement to ground waters could be a hazard on these soils. A system of conservation practices or management techniques that reduces runoff, erosion and nutrient availability should be planned on these soils. Soluble forms of nutrients should be applied with caution or avoided if other forms of nutrients are available.

Map Unit: 15 - Enders-Leesburg stony loams, 6 to 20 percent slopes

Description Category: WQL

Leesburg soils have an moderate surface runoff potential and a high leaching index. Nutrient movement to ground waters is a hazard on these soils. Nutrient movement to surface waters could be a hazard on these soils. A system of conservation practices or management techniques should be applied to minimize the movement of soluble nutrients below the root zone. Soluble forms of nutrients should be applied with caution or avoided if other forms of nutrients are available.

Description Category: WQL

Enders soils have a severe surface runoff potential and a moderate leaching index. Nutrient movement to surface and ground waters could be a hazard on these soils. In addition to management practices such as soil tests, proper application rates and split applications of soluble forms of nutrients, a system of practices that reduces runoff and erosion and minimizes the movement of soluble nutrients below the root zone should be planned on these soils.

Map Unit: 16 - Enders-Leesburg stony loams, 20 to 40 percent slopes

Description Category: WQL

Enders soils have a severe surface runoff potential and a moderate leaching index. Nutrient movement to surface and ground waters could be a hazard on these soils. A system of conservation practices or management techniques that reduces runoff, erosion and nutrient availability should be planned on these soils. Soluble forms of nutrients should be applied with caution or avoided if other forms of nutrients are available.

Description Category: WQL

Leesburg soils have a severe surface runoff potential and a high leaching index. Nutrient movement to surface and ground waters is a hazard on these soils. A system of intensive nutrient management practices that reduces runoff and erosion and minimizes the movement of soluble nutrients below the root zone should be planned on these soils. Soluble forms of nutrients should be applied with extreme caution or avoided if other forms of nutrients are available.

Map Unit: 19 - Leesville silt loam, 3 to 6 percent slopes

Description Category: WQL

These soils have a moderate surface runoff potential and a moderate leaching index. Nutrient movement to surface and ground waters could be a hazard on these soils. In addition to management practices such as soil tests, proper application rates and split applications of soluble forms of nutrients, a system of practices that reduces runoff and erosion and minimizes the movement of soluble nutrients below the root zone should be planned on these soils.

Map Unit: 22 - Linker loam, 3 to 6 percent slopes

Description Category: WQL

These soils have a moderate surface runoff potential and a high leaching index. Nutrient movement to ground waters is a hazard on these soils. Nutrient movement to surface waters could be a hazard on these soils. A system of intensive nutrient management practices should be applied to minimize the movement of soluble nutrients below the root zone. Soluble forms of nutrients should be applied with caution or avoided if other forms of nutrients are available.
Map Unit Description (Brief)
Newton County, Arkansas

Map Unit: 24 - Liner-Mountfort complex, 3 to 8 percent slopes
Description Category: WOL

These soils have a moderate surface run-off potential and a high leaching index. Nutrient movement to ground waters is a hazard on these soils. Nutrient movement to surface waters could be a hazard on these soils. A system of intense nutrient management practices should be applied to minimize the movement of soluble nutrients below the root zone. Soluble forms of nutrients should be applied with caution or avoided if other forms of nutrients are available.

Map Unit: 25 - Liner-Mountfort complex, 8 to 20 percent slopes
Description Category: WOL

These soils have a moderate surface run-off potential and a high leaching index. Nutrient movement to ground waters is a hazard on these soils. Nutrient movement to surface waters could be a hazard on these soils. A system of intense nutrient management practices should be applied to minimize the movement of soluble nutrients below the root zone. Soluble forms of nutrients should be applied with caution or avoided if other forms of nutrients are available.

Map Unit: 31 - Nella gravelly loam, 3 to 12 percent slopes
Description Category: WOL

These soils have a moderate surface run-off potential and a high leaching index. Nutrient movement to ground waters is a hazard on these soils. Nutrient movement to surface waters could be a hazard on these soils. A system of intense nutrient management practices should be applied to minimize the movement of soluble nutrients below the root zone. Soluble forms of nutrients should be applied with caution or avoided if other forms of nutrients are available.

Map Unit: 35 - Nella-Enders clay loams, 8 to 20 percent slopes
Description Category: WOL

Enders soils have an moderate surface run-off potential and a moderate leaching index. Nutrient movement to ground and surface waters could be a hazard on these soils. In addition to management practices such as soil tests, proper application rates and split applications of soluble forms of nutrients, a system of practices that reduces run-off and erosion and minimizes the movement of soluble nutrients below the root zone should be planned on these soils.

Description Category: WOL

Nella soils have a moderate surface run-off potential and a moderate leaching index. Nutrient movement to ground waters is a hazard on these soils. Nutrient movement to surface waters could be a hazard on these soils. A system of intense nutrient management practices should be applied to minimize the movement of soluble nutrients below the root zone. Soluble forms of nutrients should be applied with caution or avoided if other forms of nutrients are available.

Map Unit: 39 - Nella-Enders clay loams, 20 to 40 percent slopes
Description Category: WOL

Enders soils have a moderate surface run-off potential and a moderate leaching index. Nutrient movement to ground and surface waters could be a hazard on these soils. A system of intense nutrient management practices that reduces run-off, erosion and nutrient availability should be planned on these soils. Soluble forms of nutrients should be applied with caution or avoided if other forms of nutrients are available.

Description Category: WOL

Nella soils have a severe surface run-off potential and a high leaching index. Nutrient movement to surface and ground waters is a hazard on these soils. A system of intense nutrient management practices that reduces run-off and erosion and minimizes the movement of soluble nutrients below the root zone should be planned on these soils. Soluble forms of nutrients should be applied with extreme caution or avoided if other forms of nutrients are available.
Map Unit: 37 - Nella-Slopey complex, 8 to 20 percent slopes

Description Category: Vol

These soils have a moderate surface runoff potential and a high leaching index. Nutrient movement to ground waters is a hazard on these soils. Nutrient movement to surface waters could be a hazard on these soils. A system of intensive nutrient management practices should be applied to minimize the movement of soluble nutrients below the root zone. Soluble forms of nutrients should be applied with caution or avoided if other forms of nutrients are available.

Map Unit: 39 - Nella-Slopey-Mountainburg very sandy loams, 40 to 60 percent slopes

Description Category: Vol

These soils have a severe surface runoff potential and a high leaching index. Nutrient movement to surface and ground waters is a hazard on these soils. Nutrient movement to surface waters could be a hazard on these soils. A system of intensive nutrient management practices should be applied to minimize the movement of soluble nutrients below the root zone. Soluble forms of nutrients should be applied with caution or avoided if other forms of nutrients are available.

Map Unit: 42 - Nork very sandy silt loam, 31 to 6 percent slopes

Description Category: Vol

These soils have a moderate surface runoff potential and a high leaching index. Nutrient movement to ground waters is a hazard on these soils. Nutrient movement to surface waters could be a hazard on these soils. A system of intensive nutrient management practices should be applied to minimize the movement of soluble nutrients below the root zone. Soluble forms of nutrients should be applied with caution or avoided if other forms of nutrients are available.

Map Unit: 43 - Nork very sandy silt loam, 0 to 20 percent slopes

Description Category: Vol

These soils have a moderate surface runoff potential and a high leaching index. Nutrient movement to ground waters is a hazard on these soils. Nutrient movement to surface waters could be a hazard on these soils. A system of intensive nutrient management practices should be applied to minimize the movement of soluble nutrients below the root zone. Soluble forms of nutrients should be applied with caution or avoided if other forms of nutrients are available.

Map Unit: 44 - Nork very sandy silt loam, 20 to 40 percent slopes

Description Category: Vol

These soils have a severe surface runoff potential and a high leaching index. Nutrient movement to surface and ground waters is a hazard on these soils. A system of intensive nutrient management practices should be applied to minimize the movement of soluble nutrients below the root zone. Soluble forms of nutrients should be applied with caution or avoided if other forms of nutrients are available.

Map Unit: 45 - Piedgra silt loam, 3 to 8 percent slopes

Description Category: Vol

These soils have a moderate surface runoff potential and a high leaching index. Nutrient movement to ground waters is a hazard on these soils. Nutrient movement to surface waters could be a hazard on these soils. A system of intensive nutrient management practices should be applied to minimize the movement of soluble nutrients below the root zone. Soluble forms of nutrients should be applied with caution or avoided if other forms of nutrients are available.
Map Unit Description (Brief)

Newton County, Arkansas

Map Unit: 49 - Rarot loam, occasionally flooded
Description Category: WOL

These soils have a moderate surface runoff potential, due to occasional flooding, and a high leaching index. Nutrient movement to surface and ground waters is a hazard on these soils. Nutrient management practices that minimize the movement of soluble nutrients below the root zone and exclude the application of nutrients during periods when flood risk is high should be planned on these soils. Soluble forms of nutrients should be avoided if other forms of nutrients are available.

Map Unit: 59 - Epsdre loam, occasionally flooded
Description Category: WOL

These soils have a moderate surface runoff potential, due to occasional flooding, and a high leaching index. Nutrient movement to surface and ground waters is a hazard on these soils. Nutrient management practices that minimize the movement of soluble nutrients below the root zone and exclude the application of nutrients during periods when flood risk is high should be planned on these soils. Soluble forms of nutrients should be avoided if other forms of nutrients are available.
SECTION 2 – MANURE AND WASTEWATER HOLDING AND STORAGE

Storage Facilities
Settling Basin 1:
This is an earthen settling basin. This settling basin is designed to provide a 90 day storage capacity for sludge accumulation, assuming sludge solids content of 6%, from the breeding and gestation houses. The constructed storage volume of settling basin shall be 186 cubic yards.

Holding Pond:
The holding pond is an earthen holding pond. The holding pond shall be designed to provide in excess of a 120 day storage capacity for liquid wastes from this operation, including animal wastes, wash water, rainfall onto this pond and the settling basins, including rainfall and runoff from a 25 year – 24 hour storm event (6.9" per 24 hours). The constructed storage volume of the holding pond shall be 869 cubic yards.

Design Information
Number of Operating Periods: 1
Operating Period: January – December

Climate Data
State: Arkansas
County: Newton
Station: Marshall AR4666
25 Year – 24 Hour Storm Event: 6.9 inches

| Month    | Precipitation (Inches) | Evaporation (Inches) | Monthly Precipitation Less Evaporation
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>January</td>
<td>2.06</td>
<td>0.72</td>
<td>1.34</td>
</tr>
<tr>
<td>February</td>
<td>2.75</td>
<td>1.08</td>
<td>1.67</td>
</tr>
<tr>
<td>March</td>
<td>4.58</td>
<td>2.52</td>
<td>2.06</td>
</tr>
<tr>
<td>April</td>
<td>3.97</td>
<td>3.60</td>
<td>0.37</td>
</tr>
<tr>
<td>May</td>
<td>5.06</td>
<td>4.68</td>
<td>0.38</td>
</tr>
<tr>
<td>June</td>
<td>3.27</td>
<td>4.68</td>
<td>-1.41</td>
</tr>
<tr>
<td>July</td>
<td>2.94</td>
<td>5.40</td>
<td>-2.46</td>
</tr>
<tr>
<td>August</td>
<td>2.74</td>
<td>5.04</td>
<td>-2.30</td>
</tr>
<tr>
<td>September</td>
<td>4.15</td>
<td>3.24</td>
<td>0.91</td>
</tr>
<tr>
<td>October</td>
<td>3.47</td>
<td>2.88</td>
<td>0.59</td>
</tr>
<tr>
<td>November</td>
<td>3.88</td>
<td>1.44</td>
<td>2.44</td>
</tr>
<tr>
<td>December</td>
<td>3.55</td>
<td>0.72</td>
<td>2.83</td>
</tr>
<tr>
<td></td>
<td>42.42</td>
<td>36.00</td>
<td>6.42</td>
</tr>
</tbody>
</table>

Winter months to be used for storage computations are highlighted.
Animal Data (Table 4-11, page 4-12, 210-vl-AWMFH, rev. 1, July 1996)

<table>
<thead>
<tr>
<th>Animal</th>
<th>Quantity</th>
<th>Mean Weight (lbs)</th>
<th>AU</th>
<th>Manure (lbs/day/AU)</th>
<th>VS (lbs/day/AU)</th>
<th>TS (lbs/day/AU)</th>
<th>Manure (cu.ft/day)</th>
<th>VS (lbs/day)</th>
<th>TS (lbs/day)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lactating Sows</td>
<td>52</td>
<td>375</td>
<td>19.5</td>
<td>0.97</td>
<td>5.40</td>
<td>5.90</td>
<td>18.92</td>
<td>105.3</td>
<td>115.1</td>
</tr>
<tr>
<td>Gestating Sows</td>
<td>260</td>
<td>400</td>
<td>104</td>
<td>0.41</td>
<td>2.30</td>
<td>2.50</td>
<td>42.64</td>
<td>239.2</td>
<td>260.0</td>
</tr>
<tr>
<td>Boars</td>
<td>4</td>
<td>450</td>
<td>1.8</td>
<td>0.30</td>
<td>1.70</td>
<td>1.90</td>
<td>0.54</td>
<td>3.06</td>
<td>3.4</td>
</tr>
<tr>
<td>Pigs</td>
<td>300</td>
<td>8</td>
<td>2.4</td>
<td>1.40</td>
<td>8.80</td>
<td>10.00</td>
<td>3.36</td>
<td>21.12</td>
<td>24.0</td>
</tr>
<tr>
<td>TOTALS</td>
<td>616</td>
<td>N/A</td>
<td>127.7</td>
<td>3.12</td>
<td>18.20</td>
<td>20.30</td>
<td>65.5</td>
<td>368.7</td>
<td>402.5</td>
</tr>
</tbody>
</table>

Additions Data

<table>
<thead>
<tr>
<th>Operating Period</th>
<th>Location</th>
<th>Wash Water (gall/day)</th>
<th>Flush Water (cuff/day)</th>
<th>Bedding</th>
<th>Amount (lbs/day)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Yearly</td>
<td>All</td>
<td>96</td>
<td>12.8</td>
<td>None</td>
<td>800</td>
</tr>
</tbody>
</table>

100% Flush Water Recycled

Runoff Data

<table>
<thead>
<tr>
<th>Runoff Volume Method:</th>
<th>Calculate Monthly Runoff Volumes with Local Data:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pervious Watershed Area:</td>
<td>0 acres</td>
</tr>
<tr>
<td>Settling Basin 1 Surface Area:</td>
<td>2,704 sq.ft.</td>
</tr>
<tr>
<td>Holding Pond Surface Area:</td>
<td>7,620 sq.ft.</td>
</tr>
<tr>
<td>Total Basins/Pond Surface Area:</td>
<td>10,324 sq.ft.</td>
</tr>
<tr>
<td>Nov.-March 120 Day Rainfall, less Evap:</td>
<td>10.34 inches</td>
</tr>
<tr>
<td>120 Day Rainfall Accumulation:</td>
<td>5,189 cu.ft.</td>
</tr>
<tr>
<td>25 Year – 24 Hour Storm Event:</td>
<td>6.9 inches</td>
</tr>
<tr>
<td>25 Year – 24 Hour Storm Accumulation:</td>
<td>3,358 cu.ft.</td>
</tr>
<tr>
<td>Total Rainfall/Runoff Volume (120 Days):</td>
<td>8,547 cu.ft. = 317 cu.yds.</td>
</tr>
</tbody>
</table>

Settling Basin 1 Design (90 Day Storage Period)

| Total Solids Production (90 Days):                         | 36,222 lbs.                                        |
| Assume 50% TS as settleable:                               | 18,111 lbs.                                        |
| Assume 6% sludge:                                          | 301,853 lbs.                                       |
| Volume of sludge (@62.4 lbs/cuft):                         | 4,837 cu.ft. = 179 cu.yds.                         |
| Required Settling Basin Volume:                           | 179 cu.yds.                                        |
| Planned Storage Time in Settling Basin:                    | 90 days                                             |

An existing, earthen, settling basin with dimensions of 52' x 52' x 5.5' total depth and 4.5' effective depth will yield a storage volume of 186 cubic yards. This shall be adequate to provide in excess of the required 90 sludge storage volume.
<table>
<thead>
<tr>
<th>Animal type</th>
<th>Total Solids Production (lb)</th>
<th>As-Built Dimensions and Volume</th>
<th>Volume Capacity Comment</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>Total Solids Production (lb)</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Total Depth (ft)</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Total Depth (ft)</td>
<td>9.00</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Sludge Volume (gal) @ 9.0% solids</td>
<td>4,037</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Sludge Volume (gal) @ 9.0% solids</td>
<td>19.00</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Sludge Volume (gal) @ 9.0% solids</td>
<td>19.00</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Sludge Volume (gal) @ 9.0% solids</td>
<td>5.077</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Sludge Volume (gal) @ 9.0% solids</td>
<td>189</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Sludge Volume (gal) @ 9.0% solids</td>
<td>7</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Sludge Volume (gal) @ 9.0% solids</td>
<td>1,415</td>
</tr>
</tbody>
</table>

Developed by Karl VanDevender (evan@quex.net) using input from NRCS, USDA and Cargill Park, 5/2009
**Holding Pond Design** (120 day storage of total waste production)

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total Manure Production (120 Days)</td>
<td>7,986 cu.ft.</td>
</tr>
<tr>
<td>Wash/Flush Water Usage (120 Days)</td>
<td>1,565 cu.ft.</td>
</tr>
<tr>
<td>Rainfall Accumulation (120 Days, Oct.-Mar.)</td>
<td>5,189 cu.ft.</td>
</tr>
<tr>
<td>25 Year – 24 Hour Storm Event Accumulation</td>
<td>3,358 cu.ft.</td>
</tr>
<tr>
<td>Total Required Storage (120 Days)</td>
<td>18,098 cu.ft. = 670 cu.yds.</td>
</tr>
<tr>
<td>Existing Holding Pond Volume</td>
<td>869 cu.yds.</td>
</tr>
<tr>
<td>Total Holding Pond Storage Time</td>
<td>155 days</td>
</tr>
<tr>
<td>Freeboard</td>
<td>1 ft.</td>
</tr>
<tr>
<td>Storm Storage Depth in Holding Pond</td>
<td>10 inches</td>
</tr>
</tbody>
</table>

The existing holding pond has average dimensions of 127' x 60' x 9' total depth and 8' effective depth, will yield a total storage capacity of 869 cubic yards. This will be adequate to store the required 120 storage volume of manure production, flush water, rainfall accumulation and 25 year – 24 hour storm event. Freeboard in the holding pond shall be maintained at a minimum of 1 foot at all times. An additional storm storage depth of 10 inches shall also be kept vacant in the holding pond at all times.
From Jimmy McCutcheon survey of Sludge Volume:

\[ \text{Avg Width} = \frac{65.4 + 62 + 54.5}{3} = 60' \]

\[ \text{Avg Length} = \frac{109 + 85}{2} = 97' \]

In AWM (Wet Land):

Top Length = 117' + 10' = 127', Top Width = 60',

Top Depth = 9' + 3.5' = 12.5', Side Slope = 3:1

[Signature]

C & S Engineer
Harrison 1752
<table>
<thead>
<tr>
<th>Month</th>
<th>Runoff</th>
<th>Withdrawal or Pumpdown</th>
<th>Waste Volume (1,000 cu.ft.)</th>
<th>Precipitation less Evaporation (1,000 cu.ft.)</th>
<th>Cumulative Storage Volume (1,000 cu.ft.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>January</td>
<td>0</td>
<td></td>
<td>2.43</td>
<td>0.84</td>
<td>7.27</td>
</tr>
<tr>
<td>February</td>
<td>0</td>
<td></td>
<td>2.27</td>
<td>1.10</td>
<td>10.64</td>
</tr>
<tr>
<td>March</td>
<td>0</td>
<td>Yes</td>
<td>2.43</td>
<td>1.67</td>
<td>14.74</td>
</tr>
<tr>
<td>April</td>
<td>0</td>
<td></td>
<td>2.35</td>
<td>1.14</td>
<td>3.49</td>
</tr>
<tr>
<td>May</td>
<td>0</td>
<td></td>
<td>2.43</td>
<td>1.43</td>
<td>7.35</td>
</tr>
<tr>
<td>June</td>
<td>0</td>
<td></td>
<td>2.35</td>
<td>0.56</td>
<td>10.25</td>
</tr>
<tr>
<td>July</td>
<td>0</td>
<td>Yes</td>
<td>2.43</td>
<td>0.24</td>
<td>12.92</td>
</tr>
<tr>
<td>August</td>
<td>0</td>
<td></td>
<td>2.43</td>
<td>0.22</td>
<td>2.65</td>
</tr>
<tr>
<td>September</td>
<td>0</td>
<td></td>
<td>2.35</td>
<td>1.31</td>
<td>6.30</td>
</tr>
<tr>
<td>October</td>
<td>0</td>
<td></td>
<td>2.43</td>
<td>1.05</td>
<td>9.79</td>
</tr>
<tr>
<td>November</td>
<td>0</td>
<td>Yes</td>
<td>2.35</td>
<td>1.57</td>
<td>13.71</td>
</tr>
<tr>
<td>December</td>
<td>0</td>
<td></td>
<td>2.43</td>
<td>1.57</td>
<td>4.00</td>
</tr>
</tbody>
</table>
Dead Animal Management:

Normal animal mortality, on this farm, shall be disposed with an incinerator. If a rendering service ever becomes available to this area, consideration would then be to use the rendering service. It is suggested that a swine composter should be considered at this operation. The design for a possible composter is shown on the following pages, the three (3) bin size should be adequate. Another potential reason to consider the composter for dead animal disposal is the fuel cost to operate an incinerator. The design for a possible composter is shown in the following pages. A mass death burial site is also to be sited on this farm to be used in the case of emergency. See section 3 of this plan for burial instructions and map showing burial site.
NATURAL RESOURCES CONSERVATION SERVICE
CONSERVATION PRACTICE STANDARD

WASTE STORAGE FACILITY
(no.)
CODE 313

DEFINITION
A waste storage impoundment made by constructing an embankment and/or excavating a pit or dugout, or by fabricating a structure.

PURPOSE
To temporarily store wastes such as manure, wastewater, and contaminated runoff as a storage function component of an agricultural waste management system.

CONDITIONS WHERE PRACTICE APPLIES
- where the storage facility is a component of a planned agricultural waste management system
- where temporary storage is needed for organic wastes generated by agricultural production or processing
- where the storage facility can be constructed, operated and maintained without polluting air or water resources
- where site conditions are suitable for construction of the facility
- for facilities utilizing embankments with an effective height of 35 feet or less where damage resulting from failure would be limited to damage of farm buildings, agricultural land, or country roads.
- for fabricated structures including tanks, stacking facilities, and pond appurtenances.
- The Landowner is responsible for all permits and approvals required.

CRITERIA
GENERAL CRITERIA APPLYING TO ALL WASTE STORAGE FACILITIES.

Laws and regulations. Waste storage facilities must be planned, designed, and constructed to meet all federal, state, and local laws and regulations.

Location. Waste storage facilities should be located as near the source of waste as practicable. To minimize the potential for contamination of streams, waste storage facilities should be located outside of floodplains. However, if site restrictions require location within a floodplain, they shall be protected from inundation or damage from a 25-year flood event, or larger if required by laws, rules, and regulations. Waste storage facilities shall be located at least 150 feet from water wells and springs. Waste storage facilities shall be located to avoid the potential impacts from breach of embankment, accidental release, and liner failure are minimized, and separation distances are such that prevailing winds and landscape elements such as building arrangement, landforms, and vegetation minimize odors and protect aesthetic values.

Storage period. The storage period is the maximum length of time anticipated between emptying events. The minimum storage period shall be based on the timing required for environmentally safe waste utilization considering the climate, crops, soil, equipment, and local, state, and federal regulations.
Design storage volume. The design storage volume equal to the required storage volume, shall consist of the total of the following as appropriate:

- a. Manure, wastewater, and other wastes accumulated during the storage period
- b. Normal precipitation less evaporation on the surface area (at the design storage volume level) of the facility during the storage period
- c. Normal runoff from the facility’s drainage area during the storage period
- d. 25-year, 24-hour precipitation on the surface (at the required design storage volume level) of the facility
- e. 25-year, 24-hour runoff from the facility’s drainage area
- f. Residual solids after liquids have been removed. A minimum of 6 inches shall be provided for tanks
- g. Additional storage as may be required to meet management goals or regulatory requirements

Service Life and Durability. Planning design and construction shall ensure that the structure is sound and of durable materials commensurate with the anticipated service life, initial and replacement cost, safety and environmental considerations. Guidance in evaluating the service of various materials is given in Table 1. The materials indicated meet the requirements of this standard. The service life of materials not shown shall be based on performance data. The facility shall be planned, designed and installed to provide a minimum service life of 10 years.

<table>
<thead>
<tr>
<th>Service Life</th>
<th>Material</th>
</tr>
</thead>
<tbody>
<tr>
<td>Short (min. 10 yr.)</td>
<td>Treated wood; masonry, including concrete staves; flexible membranes; glass fiber, reinforced plastics or resins; steel coated with zinc, epoxy, vinyl, and asphalt; reinforced concrete</td>
</tr>
<tr>
<td>Medium (min. 20 yr.)</td>
<td>Reinforced concrete; glass fritted steel</td>
</tr>
<tr>
<td>Long (min. 50 yr.)</td>
<td>Reinforced concrete</td>
</tr>
</tbody>
</table>

Table 1 - Material Service Life

The durability and estimated life of reinforced concrete is a function of the design criteria and quality of the concrete. A key factor affecting durability is corrosion of the reinforcement, which is directly related to cracking (design stress), and the reinforcement cover. The quality levels of reinforced concrete are discussed under “Additional Criteria for Fabricated Structures.”

Inlet. Inlets shall be of any permanent type designed to resist corrosion, plugging, freeze damage and ultraviolet ray deterioration while incorporating erosion protection as necessary.

Emptying Component. Some type of component shall be provided for emptying storage facilities. It may be a facility such as a gate, pipe, dock, wet well, pumping platform, retaining wall, or ramp. Features to protect against erosion, tampering, and accidental release shall be incorporated as necessary.

Accumulated solids removal. Provision shall be made for periodic removal of accumulated solids to preserve storage capacity. The anticipated frequency of keeping shall be considered in planning, particularly in determining the configuration of ponds and type of seal, if any.

Safety. Design shall include appropriate safety features to minimize the hazards of the facility. Ramps used to empty liquids shall have a slope of 4 horizontal to 1 vertical or flatter. Those used to empty slurry, semi-solid, or solid waste
shall have a slope of 10 horizontal to 1 vertical
or flatter unless special traction surfaces are
provided. Warning signs, fences, ladders, ropes,
bars, rails, and other devices shall be provided,
as appropriate, to ensure the safety of humans
and livestock. Ventilation and warning signs
must be provided for covered waste holding
structures, as necessary, to prevent explosion,
poisoning, or asphyxiation. Pipelines shall be
provided with a water-sealed trap and vent, or
similar device, if there is a potential, based on
design configuration, for gases to enter
buildings or other confined spaces. Ponds and
uncovered fabricated structures for liquid or
slurry waste with walls less than 5 feet above
ground surface shall be fenced and warning
signs posted to prevent children and others from
using them for other than their intended
purpose.

Erosion protection. Embankments and
disturbed areas surrounding the facility shall be
treated to control erosion.

Liners. Liners shall meet or exceed the criteria
in NRCS Practice Standard 521, Pond Sealing
or Lining.

Additional Criteria for Waste Storage Ponds

Storage Period. A minimum of 4 months
accumulation of design storage volume shall be
provided during the most critical period for land
application.

Soil and foundation. The pond shall be located
in soils with an acceptable permeability that
meets all applicable regulation, or the pond shall
be lined. Information and guidance on
controlling seepage from waste impoundments
can be found in the Agricultural Waste

Management Field Handbook (AWMFH),
Appendix 10D.

The pond shall have a bottom elevation that is a
minimum of 2 feet above the seasonal high table
by contaminants. The water table may be
lowered by use of perimeter drains, if feasible,
to meet this requirement.

Maximum Operating Level. The maximum
operating level for waste storage ponds shall be
the pond level that provides for the required
volume less the volume contribution of
precipitation and runoff from the 25-year, 24-
hour storm event plus the volume allowance for
residual solids after liquids have been removed.
A permanent marker or recorder shall be
installed at this maximum operating level to
indicate when drawdown should begin. The
marker or recorder shall be referenced and
explained in the O&M plan.

Outlet. No outlet shall automatically release
storage from the required design volume.
Manually operated outlets shall be of permanent
type designed to resist corrosion and plugging.

Embankments. The minimum elevation of the
top of the settled embankment shall be 1 foot
above the waste storage pond's required
volume. This height shall be increased by the
amount needed for settlement. This increase
shall be not less than 5 percent. Actual
allowance for shrinkage (in excess of the
minimum) shall be determined for the individual
site, based on soil type, moisture condition, type
equipment used, and experience in the area.
The minimum allowable settlement shall be as
shown in Table 2.

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Table 2 - Minimum Allowable Settlement

<table>
<thead>
<tr>
<th>Construction Equipment</th>
<th>Allowable Settlement in percent</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bulldozer, &amp; Bulldozer &amp; Dragline</td>
<td>10</td>
</tr>
<tr>
<td>Bulldozer &amp; Trackhoe.</td>
<td></td>
</tr>
<tr>
<td>Combinations</td>
<td></td>
</tr>
<tr>
<td>Carryall &amp; Scrapers</td>
<td>5</td>
</tr>
<tr>
<td>Other Earth Hauling Equipment</td>
<td></td>
</tr>
</tbody>
</table>

1 Dragline or Trackhoe construction alone for embankments is not permissible. The use of draglines or trackhoes is permissible where the embankment is compacted in layers of 9 inches or less in thickness by bulldozers, scrapers or similar equipment to obtain the desired compaction of the embankment.

The combined side slopes of the settled embankment shall not be less than 5 horizontal to 1 vertical, and neither slope shall be steeper than 2 horizontal to 1 vertical unless provisions are made to provide stability.

The minimum top widths are shown in Table 3.

Table 3 - Minimum Top Widths

<table>
<thead>
<tr>
<th>Total Embankment Height, ft.</th>
<th>Top Width, ft.</th>
</tr>
</thead>
<tbody>
<tr>
<td>15 or less</td>
<td>8</td>
</tr>
<tr>
<td>15 - 20</td>
<td>10</td>
</tr>
<tr>
<td>20 - 25</td>
<td>12</td>
</tr>
<tr>
<td>25 - 30</td>
<td>14</td>
</tr>
<tr>
<td>30 - 35</td>
<td>15</td>
</tr>
</tbody>
</table>

Excavations. Unless supported by a soil investigation, excavated side slopes shall be no steeper than 2 horizontal to 1 vertical.

Additional Criteria for Fabricated Structures

Storage Period. A minimum of 45 days accumulation of design storage volume shall be provided during the most critical period for land application.

Design Storage Volume. For temporary storage of litter as part of a partial clean-out (cake-out), the design storage volume shall be

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equal to the removal of 2.0 inch of waste material from the area of animal confinement.

Foundation. The foundations of fabricated waste storage structures shall be proportioned to safely support all superimposed loads without excessive movement or settlement.

Where a non-uniform foundation cannot be avoided or applied loads may create highly variable foundation loads, settlement should be calculated from site-specific soil test data. Index tests of site soil may allow correlation with similar soils for which test data is available. If no test data is available, presumptive bearing strength values for assessing actual bearing pressures may be obtained from Table 4 or another nationally recognized building code. In using presumptive bearing values, adequate detailing and articulation shall be provided to avoid distressing movements in the structure.

Foundations consisting of bedrock with joints, fractures, or solution channels shall be treated or a separation distance provided consisting of a minimum of 1 foot of impermeable soil between the floor slab and the bedrock or an alternative that will achieve equal protection.

Table 4 - Presumptive Allowable Bearing Stress Values

<table>
<thead>
<tr>
<th>Foundation Description</th>
<th>Allowable Stress</th>
</tr>
</thead>
<tbody>
<tr>
<td>Crystalline Bedrock</td>
<td>12000 psf</td>
</tr>
<tr>
<td>Sedimentary Rock</td>
<td>6000 psf</td>
</tr>
<tr>
<td>Sandy Gravel or Gravel</td>
<td>5000 psf</td>
</tr>
<tr>
<td>Sand, Silty Sand, Clayey</td>
<td>3000 psf</td>
</tr>
<tr>
<td>Sand, Silty Gravel, Clayey Gravel</td>
<td></td>
</tr>
<tr>
<td>Clay, Sandy Clay, Silty Clay, Clayey Silt</td>
<td>2000 psf</td>
</tr>
</tbody>
</table>


Liquid tightness. Applications such as tanks, that require liquid tightness shall be designed and constructed in accordance with standard