



REPLY TO
ATTENTION OF:

DEPARTMENT OF THE ARMY
U.S. ARMY ENGINEER DISTRICT, MOBILE DISTRICT
P.O. BOX 2288
MOBILE, ALABAMA 36628-0001

CESAM-RD-C-M

September 17, 2010

**JOINT PUBLIC NOTICE SAM-2010-01092-PAH
U.S. ARMY CORPS OF ENGINEERS**

**MISSISSIPPI DEPARTMENT OF ENVIRONMENTAL QUALITY
OFFICE OF POLLUTION CONTROL**

MISSISSIPPI DEPARTMENT OF MARINE RESOURCES

**TENSAS DELTA EXPLORATION WELLSITE, WITHIN UNNAMED WETLANDS
ASSOCIATED WITH BAYOU LA CROIX, HANCOCK COUNTY, MISSISSIPPI**

TO WHOM IT MAY CONCERN:

This District has received an application for a Department of the Army permit pursuant to Section 404 of the Clean Water Act (33 USC 1344). Please communicate this information to interested parties.

**APPLICANT: Tensas Delta Exploration
Company, LLC
Attention: Mr. David Briggs
333 Texas Street, Suite 2121
Shreveport, Louisiana 71101**

LOCATION: In unnamed wetland system directly abutting Bayou La Croix, Tensas-Crosby 18-6 Number 1 Well, Section 18, Township 8 South, Range 14 West, approximately 4 miles south of Kiln, Hancock County, Mississippi (Latitude 30.334970° North, Longitude 98.43710° West).

WORK DESCRIPTION: The applicant proposes the installation and maintenance of a 2.24-acre well site to drill and produce the Tensas-Crosby Number 1 Well which would permanently fill all 2.24 acres of on-site medium quality, pine savannah wetlands. The applicant's project would include grading of the project site for the installation of a well pad, drilling equipment, a reserve pit and attendant features.

The applicant is requesting a 5-year authorization for this permit.

EXISTING CONDITIONS: The proposed project site is located at the western end of Woods Road, south of Interstate 10 (I-10), within Shoreline Park. The site consists of approximately 2.24 acres of medium quality, pine savannah wetland habitat. The site is bound by Woods Road, a service road and a pasture. Wetland vegetation on-site consists of dense slash pine (*Pinus elliottii*) with an under layer of shrubs and saplings. Wetland habitat existing on-site is part of a contiguous wetland system. The hydrology flows into Bayou La Croix is a perennial tributary of the Saint Louis Bay. The agent representing the applicant conducted a functional assessment of the wetland habitat using the Wetland Rapid Assessment Procedure (WRAP). The agent concluded that due to the healthy plant community and hydrologic connection the quality of the habitat was determined to be medium in functional value.

PROJECT PURPOSE AND NEED: The proposed activity is for the construction of an exploratory well pad for energy production. The primary business activity of the site is to provide/increase a diversity of the sources of energy consumed in the United States and to provide additional sources of petroleum products to replace diminishing United States reserves.

ALTERNATIVES: The proposed well is a 9,700-foot total vertical depth test. When scoping alternatives the option of directional drilling was reviewed and a horizontal displacement from the bottom hole of 3,250 feet was computed. An area of interest 3,250 feet circumscribing the bottom hole was found to not contain a site lesser impacting than the proposed location. A directional well attempted beyond 3,250 feet horizontal displacement would encounter well bore competency issues as the well bore incline becomes too severe and the bore collapses on itself.

MITIGATION: The applicant proposes to purchase the sufficient number of in-kind credits from an approved mitigation bank.

STATE WATER QUALITY PERMIT: The applicant has applied for certification from the State of Mississippi in accordance with Section 401(a)(1) of the Clean Water Act and upon completion of the required advertising, a determination relative to certification will be made.

COASTAL ZONE MANAGEMENT: The applicant has applied for certification from the State that the proposed activity complies with and will be conducted in a manner that is consistent with the State Coastal Zone Management Program. A determination relative to consistency will be made by the Mississippi Department of Marine Resources.

ENDANGERED SPECIES: The U.S. Fish and Wildlife Service (FWS) lists 12 endangered, threatened or candidate species as occurring or potentially occurring in Harrison County. The applicant has conducted a survey of the project site and does not believe the project will impact any critical species, a preliminary determination has been made that these activities designated for the project site is not likely to adversely affect listed species. Notification to the FWS will be furnished via this Public Notice.

The Mobile District has determined that the proposed action would not adversely impact Essential Fish Habitat or associated fisheries managed by the Gulf of Mexico Fishery Management Council or the National Marine Fisheries Service.

HISTORIC PROPERTIES: In accordance with Section 106 of the National Historic Preservation Act and Appendix C of 33 CFR 325, the undertaking defined in this notice is being considered for the potential to effect cultural and historic properties within the permit area. Although the extent of federal control and responsibility for these considerations are confined to the limits of the permit area for this particular project, the potential indirect effects that may occur to historic properties as a result of this undertaking are also being considered. We are seeking comment from the State Historic Preservation Officer, Federally-recognized American Indian tribes, local historical societies, museums, universities, the National Park Service and concerned citizens regarding the existence or the potential for existence of significant cultural and historic properties within the permit area.

Historic architectural or archaeological investigations may be necessary to ascertain the existence of such resources. Efforts will be made through the consultation process to avoid, minimize or mitigate any adverse

effects to significant cultural and historic properties that may occur as a result of this undertaking. The district engineer remains the final decision authority.

COMMENTS: This public notice is being distributed to all known interested persons in order to assist in developing facts on which a decision by the U.S. Army Corps of Engineers (Corps) can be based. For accuracy and completeness of the record, all data in support of or in opposition to the proposed work should be submitted in writing setting forth sufficient detail to furnish a clear understanding of the reasons for support or opposition. The decision whether to issue a permit will be based on an evaluation of the probable impact, including cumulative impacts, of the proposed activity on the public interest. That decision will reflect the national concern for both protection and utilization of important resources.

The benefit which reasonably may be expected to accrue from the proposal must be balanced against its reasonably foreseeable detriments. All factors which may be relevant to the proposal will be considered, including the cumulative effects thereof; among those are conservation, economics, aesthetics, general environmental concerns, wetlands, cultural values, fish and wildlife values, flood hazards, flood plain values, land use, navigation, shoreline erosion and accretion, recreation, water supply and conservation, water quality, energy needs, safety, food production and in general, the needs and welfare of the people.

The Corps is soliciting comments from the public; Federal, State and local agencies and officials; Indian Tribes; and other interested parties in order to consider and evaluate the impacts of this proposed activity.

Any comments received will be considered by the Corps to determine whether to issue, modify, condition or deny a permit for this proposal. To make this decision, comments are used to assess impacts on endangered species, historic properties, water quality, general environmental effects and the other public interest factors listed above. Comments are used in the preparation of an Environmental Assessment and/or an Environmental Impact Statement pursuant to the National Environmental Policy Act. Comments are also used to determine the need for a public hearing and to determine the overall public interest of the proposed activity.

Any person may request, in writing, within the comment period specified in this notice, that a public hearing be held to consider this application. Requests for public hearings shall state with particularity, the reasons for holding a public hearing.

Evaluation of the probable impacts involving deposits of dredged or fill material into waters of the United States will include the application of guidelines established by the Administrator of the U.S. Environmental Protection Agency.

Correspondence concerning this Public Notice should refer to Public Notice Number **SAM-2010-01092-PAH** and should be directed to the District Engineer, U.S. Army Engineer District, Mobile, Post Office Box 2288, Mobile, Alabama 36628-0001, Attention: Coastal Branch, with a copy to the Mississippi Department of Environmental Quality, Office of Pollution Control, Attention: Ms. Florance Watson, P.E., Post Office Box 2261, Jackson, Mississippi 39289, and the Mississippi Department of Marine Resources, Attention: Tensas Delta Exploration Well, 1141 Bayview Avenue, Suite 101, Biloxi, Mississippi 39530, in time to be received within **30 days** of the date of this public notice.

Comments should be received no later than **30 days** from the date of this Public notice.

CESAM-RD-C
SAM-2010-01074-PAH

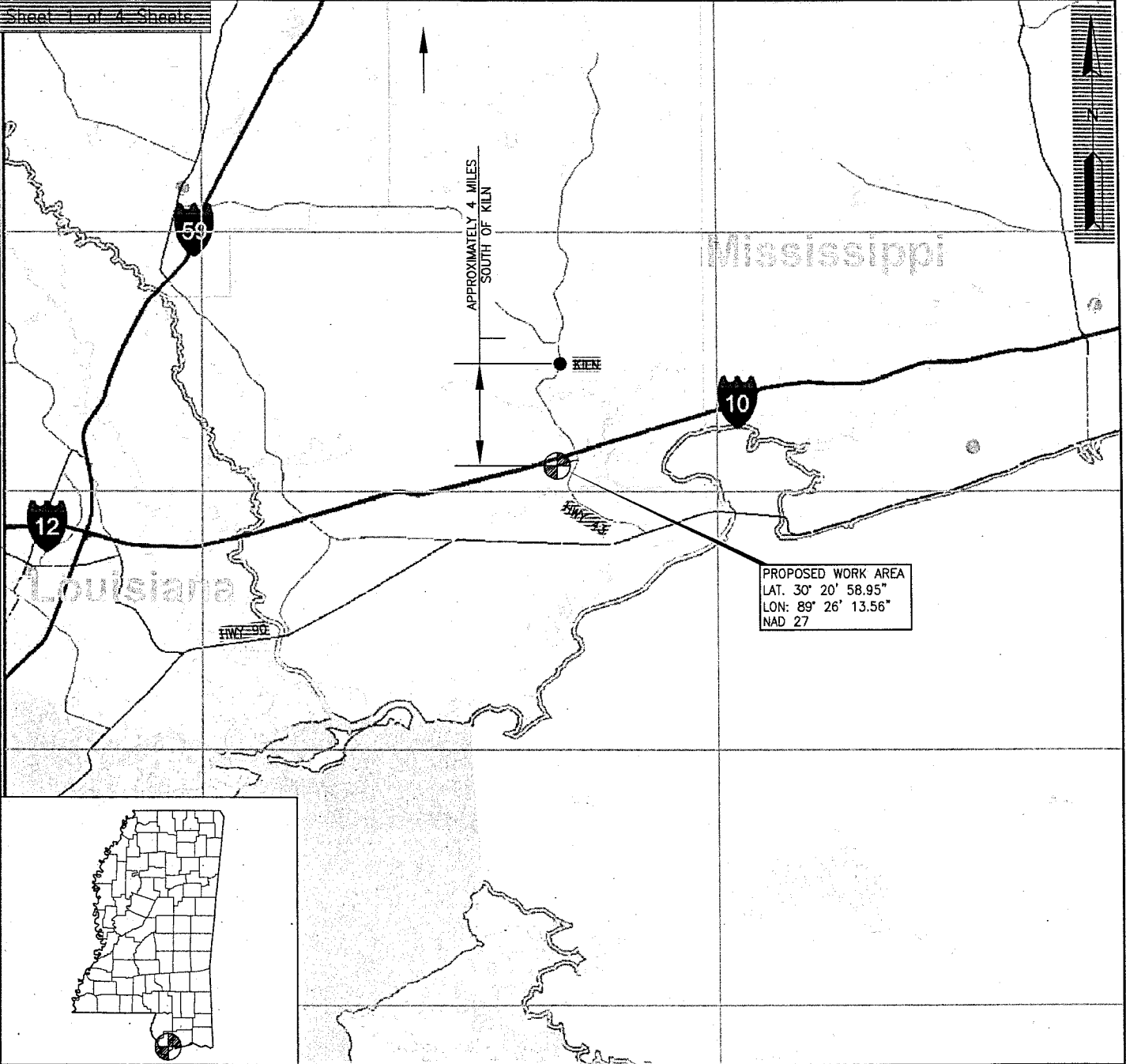
SEPTEMBER 17, 2010

If you have any questions concerning this publication, you may contact the project manager via e-mail at philip.a.hegji@usace.army.mil or phone **(251) 690-3222**. Please refer to the above Public Notice number.

For additional information about our Regulatory Program, please visit our web site at: www.sam.usace.army.mil/rd/reg and please take a moment to complete our customer satisfaction survey while you're there. Your responses are appreciated and will allow us to improve our services.

Encls

MOBILE DISTRICT
U.S. Army Corps of Engineer



NOTE: THE CONTENTS OF THIS DRAWING IS DESIGNED SPECIFICALLY FOR THE PURPOSE OF SECURING FEDERAL, STATE AND LOCAL ENVIRONMENTAL/REGULATORY AUTHORIZATIONS ONLY.

VICINITY MAP
SCALE: 1" = 30,000'

APPLICATION BY:
TENSAS DELTA EXPLORATION COMPANY, LLC

TENSAS DELTA EXPLORATION COMPANY, LLC
TENSAS-CROSBY #1 WELL
PROPOSED WELL PAD
AND STRUCTURES
SECTION 18, T8S-R14W
HANCOCK COUNTY, MS

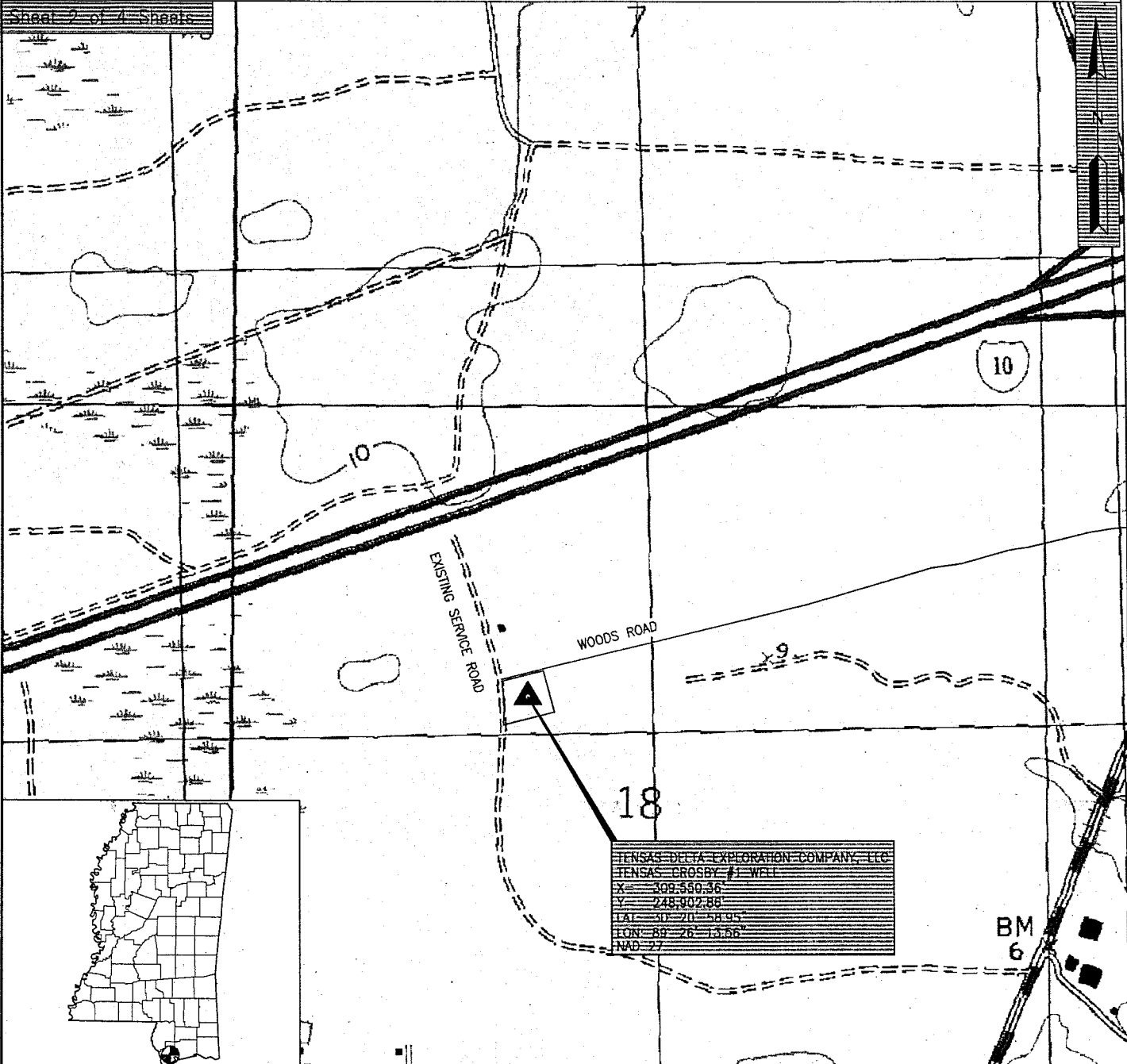
Date: 7-14-10
Project No.: 10065
Drawn By: J.E.F.
Checked By: R.G.L.
Approved By: R.G.L.

PREPARED BY:
PROJECT CONSULTING SERVICES, INC.
Metairie, Louisiana
www.projectconsulting.com

Revised Date: 7-14-10
Revised Approved By: R.G.L.

DWG. NO. VICINITY MAP

Sheet 2 of 4 Sheets



NOTE: THE CONTENTS OF THIS DRAWING IS DESIGNED SPECIFICALLY FOR THE PURPOSE OF SECURING FEDERAL, STATE AND LOCAL ENVIRONMENTAL/REGULATORY AUTHORIZATIONS ONLY.

FIELD MAP
SCALE: 1" = 1,000'

APPLICATION BY:
TENSAS DELTA EXPLORATION COMPANY, LLC

TENSAS DELTA EXPLORATION COMPANY, LLC
TENSAS-CROSBY #1 WELL
PROPOSED WELL PAD
AND STRUCTURES
SECTION 18, T8S-R14W
HANCOCK COUNTY, MS

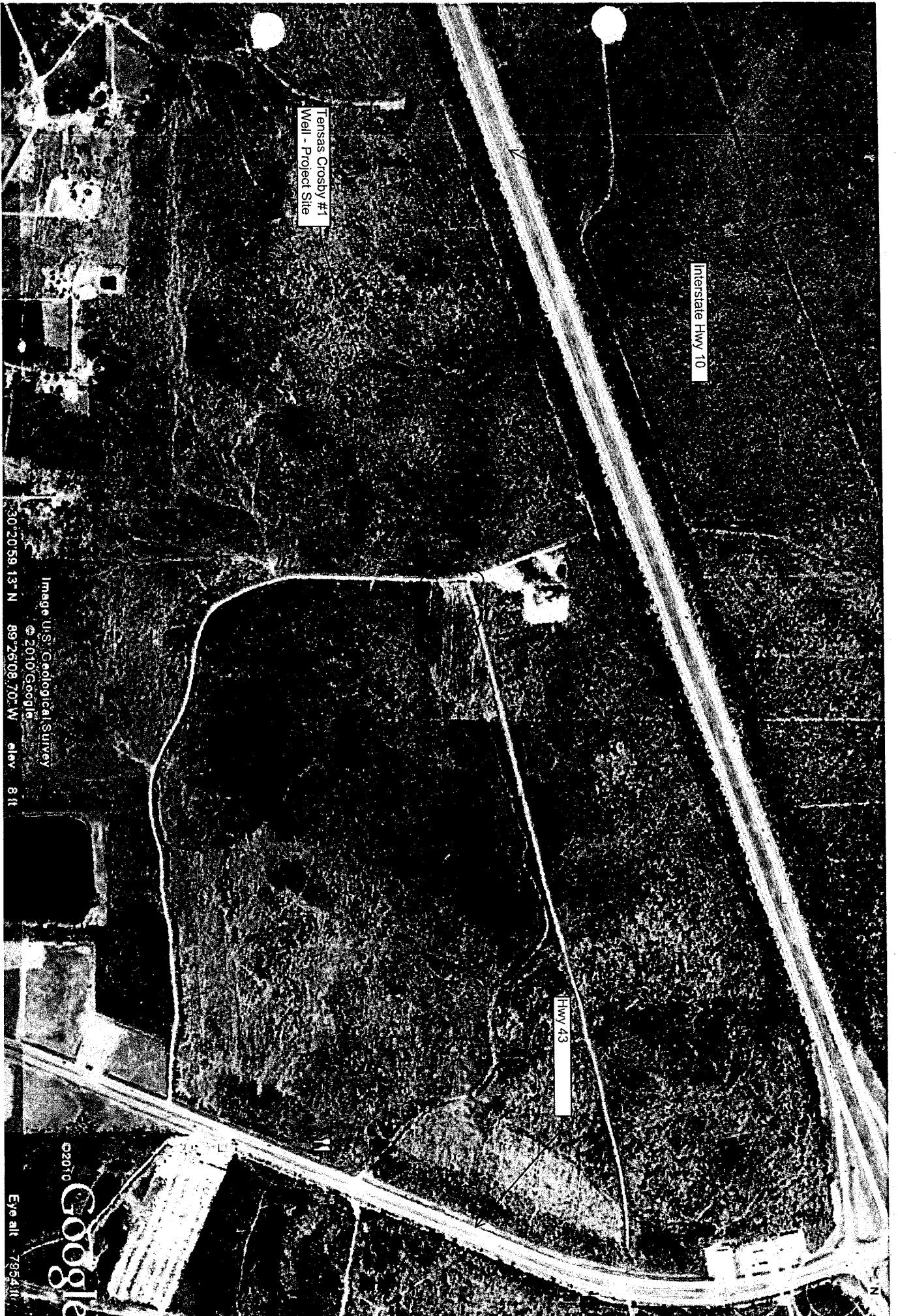
Date: 7-14-10
Project No.: 10065
Drawn By: G.J.D.
Checked By: R.G.L.
Approved By: R.G.L.

PREPARED BY:
 PROJECT CONSULTING SERVICES, INC.
Metairie, Louisiana
www.projectconsulting.com

Revised Date:
Revised Approved By:

DWG. NO. FIELD MAP

07-20-10 16:26 10065 PERMIT 3 B.W.B.



Interstate Hwy 10

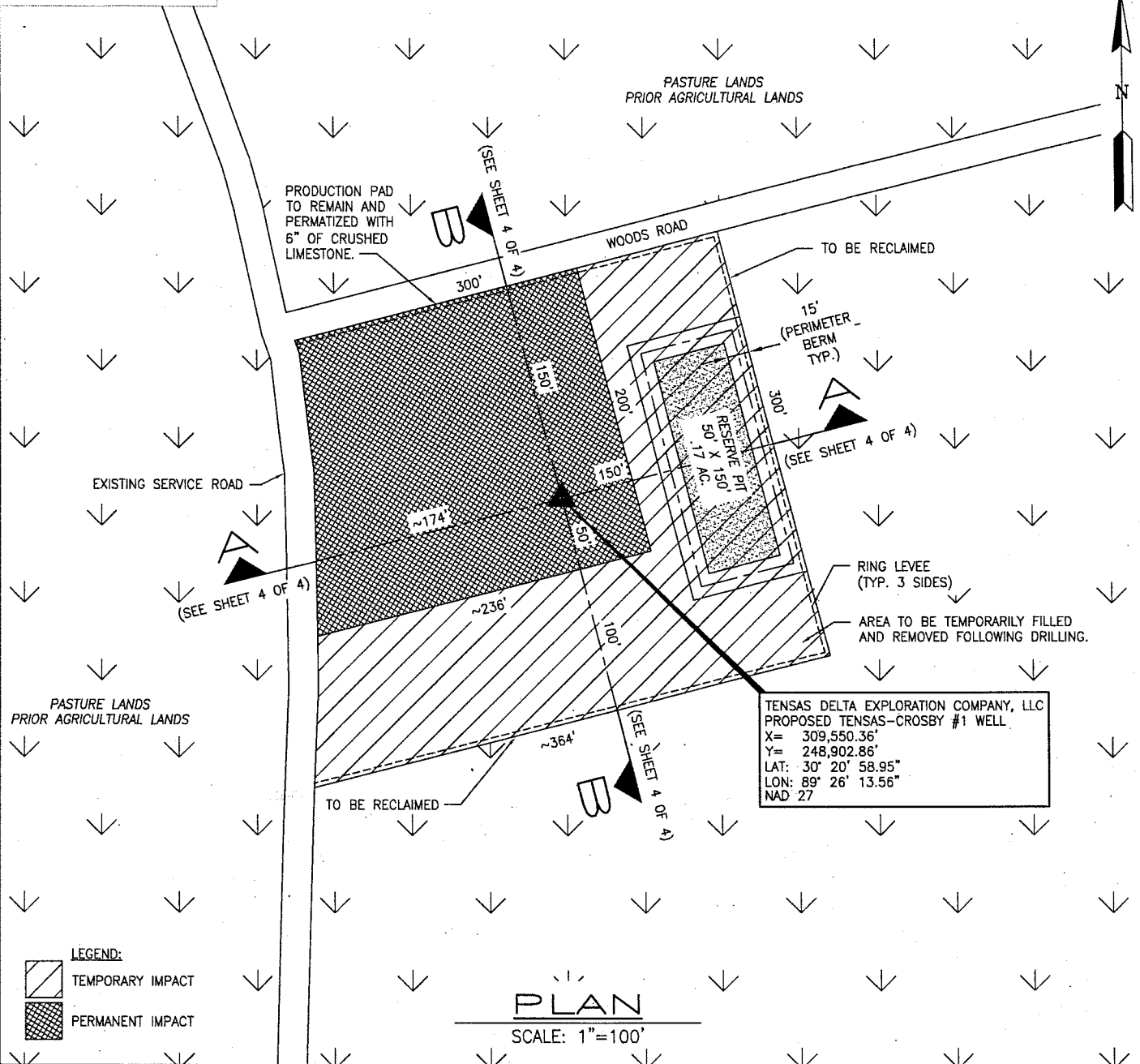
Tensas Crosby #1
Well - Project Site

Hwy 43



Image U.S. Geological Survey
© 2010 Google
30° 20' 59.13" N 89° 26' 08.70" W elev 8 ft

©2010
Google
Eye all 795410

Sheet 3 of 4 Sheets



TENSAS DELTA EXPLORATION COMPANY, LLC
 PROPOSED TENSAS-CROSBY #1 WELL
 X= 309,550.36'
 Y= 248,902.86'
 LAT: 30° 20' 58.95"
 LON: 89° 26' 13.56"
 NAD 27

LEGEND:
 TEMPORARY IMPACT
 PERMANENT IMPACT

PLAN
 SCALE: 1"=100'

NOTE: THE CONTENTS OF THIS DRAWING IS DESIGNED SPECIFICALLY FOR THE PURPOSE OF SECURING FEDERAL, STATE AND LOCAL ENVIRONMENTAL/REGULATORY AUTHORIZATIONS ONLY.

PLAN LAYOUT
 SCALE: 1" = 100'

APPLICATION BY:
 TENSAS DELTA EXPLORATION COMPANY, LLC

TENSAS DELTA EXPLORATION COMPANY, LLC
 TENSAS-CROSBY #1 WELL
 PROPOSED WELL PAD
 AND STRUCTURES
 SECTION 18, T8S-R14W
 HANCOCK COUNTY, MS

Date: 7-15-10
 Project No.: 10065
 Drawn By: B.W.B.
 Checked By: R.G.L.
 Approved By: R.G.L.

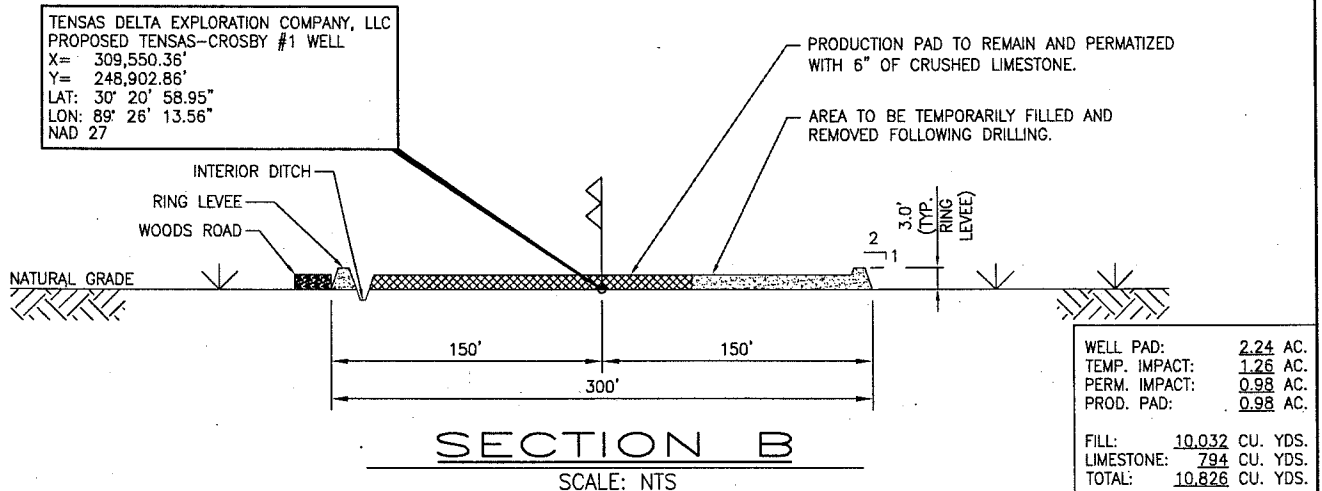
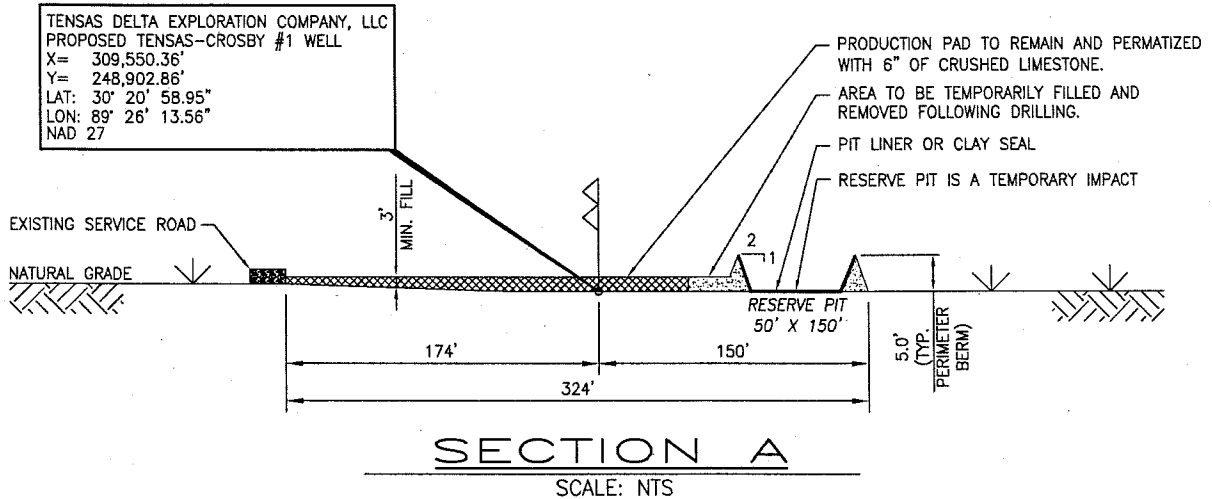
PREPARED BY:
 **PROJECT CONSULTING SERVICES, INC.**
 Metairie, Louisiana
 www.projectconsulting.com

Revised Date:
 Revised Approved By:

DWG. NO. PLAN LAYOUT

08-24-10 13:43 10065 PERMIT 3 B.W.B.

Sheet 4 of 4 Sheets



NOTES:

- AS BUILT DRAWINGS WILL BE PROVIDED TO MISSISSIPPI D.M.R. WITHIN 30 DAYS OF COMPLETION OF THIS PROJECT. PERMITTEE WILL REMOVE ALL STRUCTURES, FACILITIES, WELLS AND PIPELINES WITHIN 120 DAYS OF ABANDONMENT, UNLESS CMD ISSUES APPROVAL TO LEAVE THEM IN PLACE FOR FUTURE USE. THIS CONDITION DOES NOT PRECLUDE THE NECESSITY FOR REVISING THE CURRENT PERMIT OR OBTAINING A SEPARATE COASTAL USE PERMIT, SHOULD ONE BE REQUIRED, FOR SUCH REMOVAL ACTIVITIES.
- TO ENSURE THE SAFETY OF ALL PARTIES, THE PERMITTEE SHALL CONTACT THE MISSISSIPPI ONE CALL SYSTEM (1-800-227-6477) A MINIMUM OF 48 HOURS PRIOR TO COMMENCEMENT OF ANY EXCAVATION (DIGGING, DREDGING, JETTING, ETC.) OR DEMOLITION ACTIVITY.
- APPROXIMATELY 2.24 ACRES WILL BE IMPACTED.
- APPROXIMATELY 834 CUBIC YARDS OF MATERIAL WILL BE EXCAVATED AND TEMPORARILY PLACED.

NOTE: THE CONTENTS OF THIS DRAWING IS DESIGNED SPECIFICALLY FOR THE PURPOSE OF SECURING FEDERAL, STATE AND LOCAL ENVIRONMENTAL/REGULATORY AUTHORIZATIONS ONLY.

SECTIONS A-B
 SCALE: NONE

APPLICATION BY:
 TENSAS DELTA EXPLORATION COMPANY, LLC

TENSAS DELTA EXPLORATION COMPANY, LLC
 TENSAS-CROSBY #1 WELL
 PROPOSED WELL PAD
 AND STRUCTURES
 SECTION 18, T8S-R14W
 HANCOCK COUNTY, MS

Date: 7-15-10
 Project No.: 10065
 Drawn By: B.W.B.
 Checked By: R.G.L.
 Approved By: R.G.L.

PREPARED BY:
 PROJECT CONSULTING SERVICES, INC.
 Metairie, Louisiana
 www.projectconsulting.com

Revised Date:
 Revised Approved By:

DWG. NO. SECTIONS A-B

08-24-10 13:50 10065 PERMIT 4 B.W.B.