

**U.S. ARMY CORPS OF ENGINEERS
APPLICATION FOR DEPARTMENT OF THE ARMY PERMIT**

33 CFR 325. The proponent agency is CECW-CO-R.

OMB APPROVAL NO. 0710-0003
EXPIRES: 28 FEBRUARY 2013

Public reporting for this collection of information is estimated to average 11 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. Send comments regarding this burden estimate or any other aspect of the collection of information, including suggestions for reducing this burden, to Department of Defense, Washington Headquarters, Executive Services and Communications Directorate, Information Management Division and to the Office of Management and Budget, Paperwork Reduction Project (0710-0003). Respondents should be aware that notwithstanding any other provision of law, no person shall be subject to any penalty for failing to comply with a collection of information if it does not display a currently valid OMB control number. Please DO NOT RETURN your form to either of those addresses. Completed applications must be submitted to the District Engineer having jurisdiction over the location of the proposed activity.

PRIVACY ACT STATEMENT

Authorities: Rivers and Harbors Act, Section 10, 33 USC 403; Clean Water Act, Section 404, 33 USC 1344; Marine Protection, Research, and Sanctuaries Act, Section 103, 33 USC 1413; Regulatory Programs of the Corps of Engineers; Final Rule 33 CFR 320-332. Principal Purpose: Information provided on this form will be used in evaluating the application for a permit. Routine Uses: This information may be shared with the Department of Justice and other federal, state, and local government agencies, and the public and may be made available as part of a public notice as required by Federal law. Submission of requested information is voluntary, however, if information is not provided the permit application cannot be evaluated nor can a permit be issued. One set of original drawings or good reproducible copies which show the location and character of the proposed activity must be attached to this application (see sample drawings and/or instructions) and be submitted to the District Engineer having jurisdiction over the location of the proposed activity. An application that is not completed in full will be returned.

(ITEMS 1 THRU 4 TO BE FILLED BY THE CORPS)

1. APPLICATION NO. MOVN 2013-02952 ETT	2. FIELD OFFICE CODE OE	3. DATE RECEIVED JAN 24 2013	4. DATE APPLICATION COMPLETE 28 March 2014
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(ITEMS BELOW TO BE FILLED BY APPLICANT)

5. APPLICANT'S NAME First - Mike Middle - Last - Barham Company - Helis Oil & Gas Company, LLC E-mail Address - mbarham@helisoil.com	8. AUTHORIZED AGENT'S NAME AND TITLE (agent is not required) First - Nicholas Middle - Last - Gaspard Company - C.H. Fenstermaker & Associates, LLC E-mail Address - nicholas@fenstermaker.com
6. APPLICANT'S ADDRESS: Address- 228 St. Charles Avenue, Suite 912 City - New Orleans State - LA Zip - 70130 Country -	9. AGENT'S ADDRESS: Address- 135 Regency Square City - Lafayette State - LA Zip - 70508 Country -
7. APPLICANT'S PHONE NOS. w/AREA CODE a. Residence b. Business c. Fax (504) 681-3316 (504) 522-6486	10. AGENTS PHONE NOS. w/AREA CODE a. Residence b. Business c. Fax (337) 237-2200 (337) 232-3299

STATEMENT OF AUTHORIZATION

11. I hereby authorize, Fenstermaker to act in my behalf as my agent in the processing of this application and to furnish, upon request, supplemental information in support of this permit application.


SIGNATURE OF APPLICANT 1/23/14
DATE

NAME, LOCATION, AND DESCRIPTION OF PROJECT OR ACTIVITY

12. PROJECT NAME OR TITLE (see instructions) Proposed Drillsite and Structures for Eads Poitevent No. 1 Well			
13. NAME OF WATERBODY, IF KNOWN (if applicable) N/A		14. PROJECT STREET ADDRESS (if applicable) Address	
15. LOCATION OF PROJECT 30.38804, - 89.77917 Latitude: °N 30°23'17" Longitude: °W 89°58'45"		City -	State- Zip-
16. OTHER LOCATION DESCRIPTIONS, IF KNOWN (see instructions) State Tax Parcel ID Municipality Section - 34 Township - T7S Range - 12E			

17. DIRECTIONS TO THE SITE

The proposed work area is north of Interstate 12, east of Log Cabin Road, and west of Louisiana Highway 1088.

18. Nature of Activity (Description of project, include all features)

The proposed activity will consist of the installation of drill site well pad measuring approximately 10.35 acres (of which includes 9.26 acres of wetlands) structures, board mats, borrow ditch, and ring levees. Approximately 33,400 cu. yds. of native material will be redistributed on the well pad of which 28,763 cu. yds. will be placed on wetlands. Mechanized excavation and grading of surface material is proposed for this activity.

19. Project Purpose (Describe the reason or purpose of the project, see instructions)

The purpose of the project is to install a drill site location for the Eads Pointevent No. 1 Well in St. Tammany Parish, LA.

USE BLOCKS 20-23 IF DREDGED AND/OR FILL MATERIAL IS TO BE DISCHARGED

20. Reason(s) for Discharge

The drill site well pad of 10.35 acres (of which includes 9.26 acres of wetlands) is needed to explore a large subsurface area geologically identified as a key site for oil and gas exploration to satisfy the public need for hydrocarbons. This well pad location has been identified by Helis' geologist as a strategic site to begin to explore a significant subsurface potential. This well will be completed through the use of hydraulic fracturing.

21. Type(s) of Material Being Discharged and the Amount of Each Type in Cubic Yards:

Type Amount in Cubic Yards	Type Amount in Cubic Yards	Type Amount in Cubic Yards
Native Material - 33,400 cu yds		

22. Surface Area in Acres of Wetlands or Other Waters Filled (see instructions)

Acres 9.26
or
Linear Feet

23. Description of Avoidance, Minimization, and Compensation (see instructions)

An existing access road ($\pm 6717'$) will be utilized to minimize surface impacts rather than proposing a new access route. This access road will be concurrently utilized by both logging activity in the area and this proposed oil and gas project. Also, the proposed activity includes the installation of a single 10.35 acre well pad rather than multiple well pads in order to further reduce surface impacts. A typical well pad issued under an NOD-13 permit can impact up to 3.67 acres (400'x400') for a single well bore. Helis is capable of drilling up to 10 well bores from this proposed pad outlined in this permit application, which in comparison would only be 1.04 acres of impact per well bore.

24. Is Any Portion of the Work Already Complete? Yes No IF YES, DESCRIBE THE COMPLETED WORK

25. Addresses of Adjoining Property Owners, Lessees, Etc., Whose Property Adjoins the Waterbody (if more than can be entered here, please attach a supplemental list).

a. Address- Edward B. Poitevent, II - 201 St. Charles Avenue Suite 3600

City - New Orleans State - Louisiana Zip - 70170

b. Address-

City - State - Zip -

c. Address-

City - State - Zip -

d. Address-

City - State - Zip -

e. Address-

City - State - Zip -

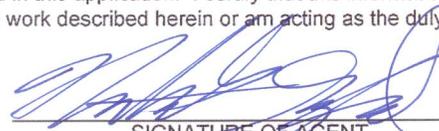
26. List of Other Certificates or Approvals/Denials received from other Federal, State, or Local Agencies for Work Described in This Application.

AGENCY	TYPE APPROVAL*	IDENTIFICATION NUMBER	DATE APPLIED	DATE APPROVED	DATE DENIED

* Would include but is not restricted to zoning, building, and flood plain permits

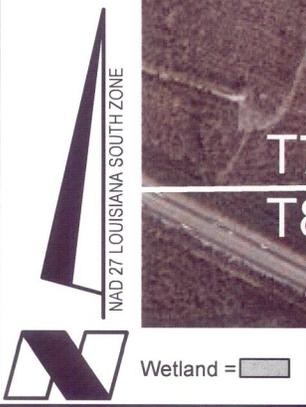
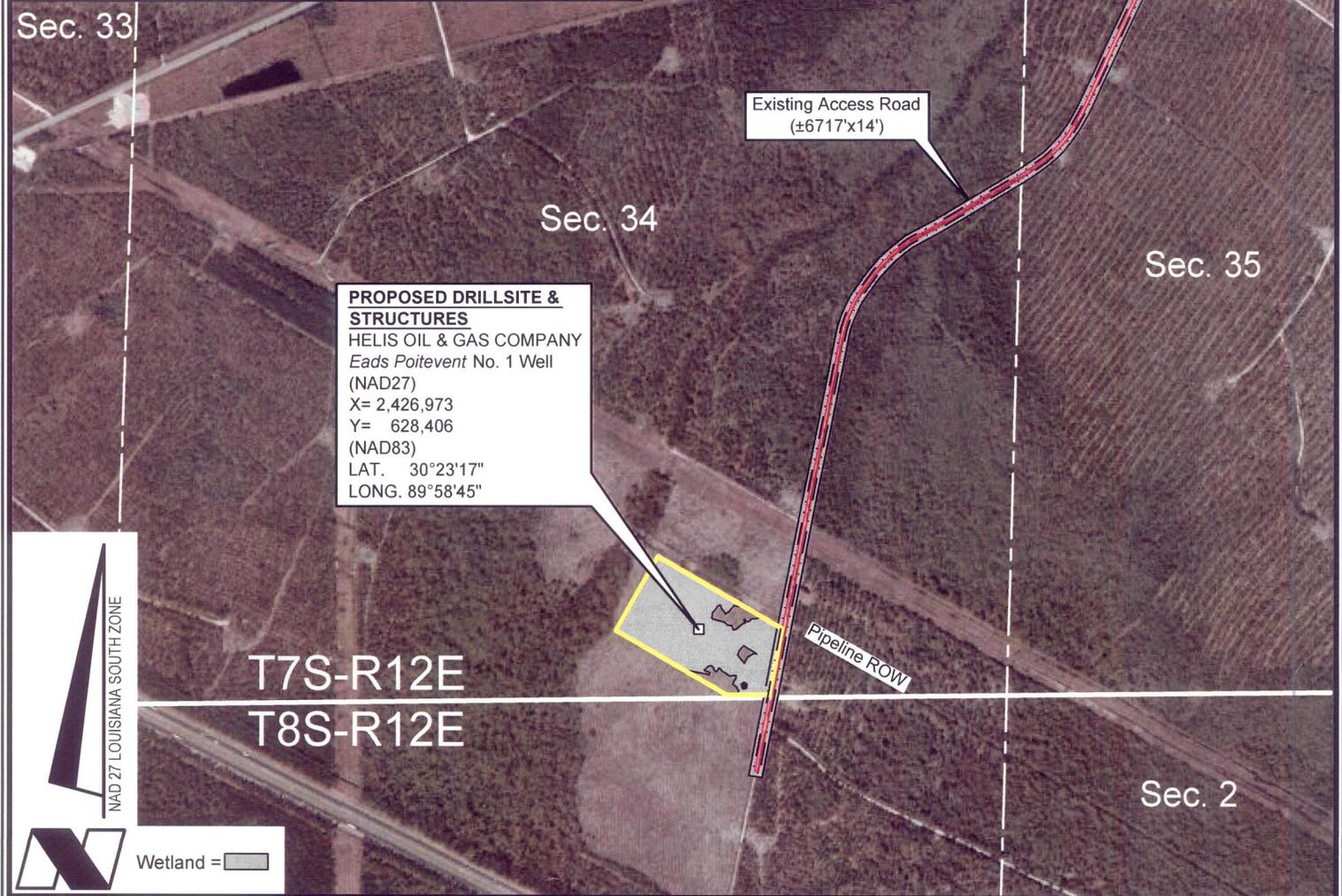
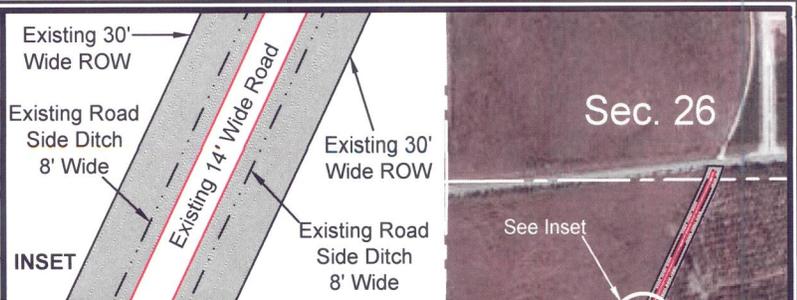
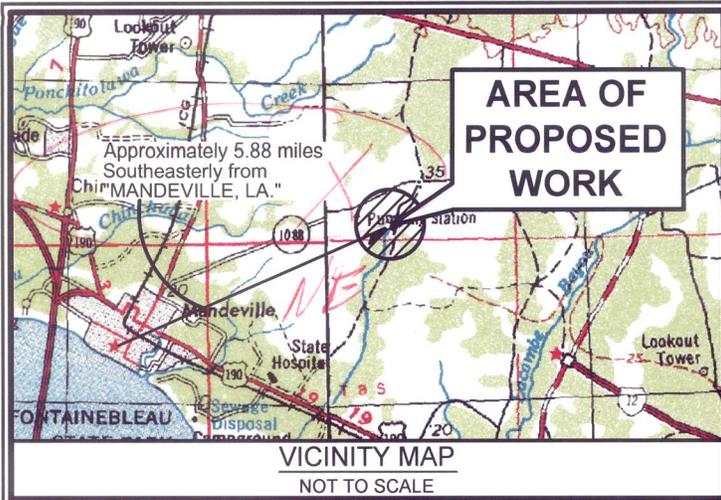
27. Application is hereby made for permit or permits to authorize the work described in this application. I certify that this information in this application is complete and accurate. I further certify that I possess the authority to undertake the work described herein or am acting as the duly authorized agent of the applicant.


SIGNATURE OF APPLICANT 1/23/14
DATE


SIGNATURE OF AGENT 23-Jan-2014
DATE

The Application must be signed by the person who desires to undertake the proposed activity (applicant) or it may be signed by a duly authorized agent if the statement in block 11 has been filled out and signed.

18 U.S.C. Section 1001 provides that: Whoever, in any manner within the jurisdiction of any department or agency of the United States knowingly and willfully falsifies, conceals, or covers up any trick, scheme, or disguises a material fact or makes any false, fictitious or fraudulent statements or representations or makes or uses any false writing or document knowing same to contain any false, fictitious or fraudulent statements or entry, shall be fined not more than \$10,000 or imprisoned not more than five years or both.



NOTE: THE CONTENTS OF THESE PLANS ARE INTENDED EXCLUSIVELY FOR THE PURPOSE OF OBTAINING ENVIRONMENTAL COMPLIANCE PERMITS

VICINITY MAP

1000' 0 500' 1000'

Scale: 1" = 1000'

HELIS OIL & GAS COMPANY
PROPOSED DRILLSITE & STRUCTURES
Eads Poitevent No. 1 Well
 Section 34, T7S-R12E
 St. Tammany Parish, Louisiana

	Lafayette New Orleans Houston 135 Regency Sq. Lafayette, LA 70508 Ph. 337-237-2200 Fax. 337-232-3299 www.fenstermaker.com	DRAWN BY: SC PROJ. MGR.: RLL	REVISED:	DATE: 1/15/2014
	FILENAME: T:2013\2130980\DWG\HELIS OIL & GAS_COE PLANS.dwg	SHEET 1 OF 3 SHEETS		



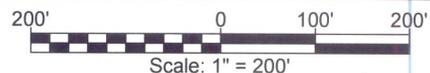
PROPOSED DRILLSITE & STRUCTURES
 HELIS OIL & GAS COMPANY
Eads Poitevent No. 1 Well
 (NAD27)
 X= 2,426,973
 Y= 628,406
 (NAD83)
 LAT. 30°23'17"
 LONG. 89°58'45"



Wetland =

NOTE:
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 ENVIRONMENTAL COMPLIANCE PERMITS

PLAN VIEW



HELIS OIL & GAS COMPANY
PROPOSED DRILLSITE & STRUCTURES
Eads Poitevent No. 1 Well
 Section 34, T7S-R12E
 St. Tammany Parish, Louisiana



Lafayette New Orleans Houston
 135 Regency Sq. Lafayette, LA 70508
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DRAWN BY: SC

REVISED:

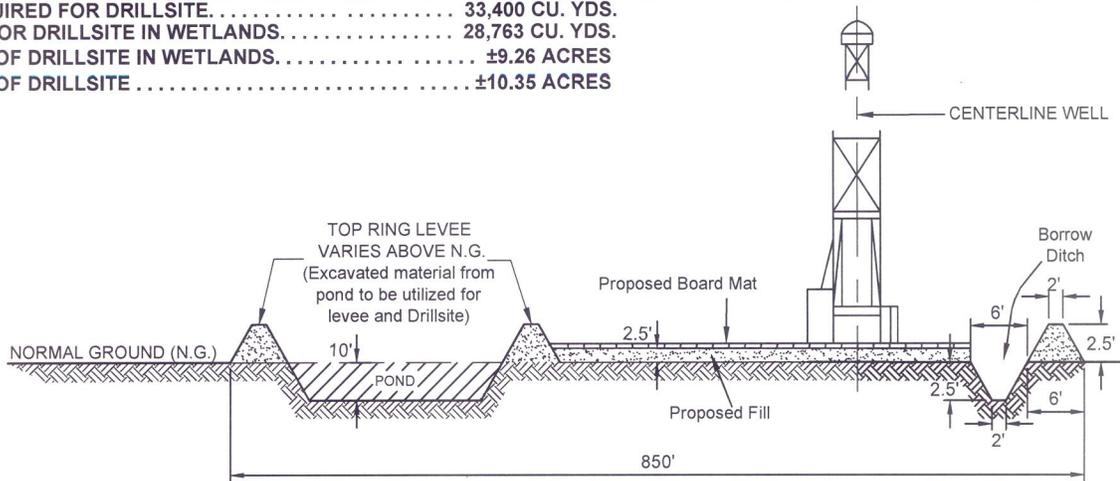
DATE: 1/15/2014

PROJ. MGR.: RLL

SHEET 2 OF 3 SHEETS

FILENAME: T:2013\2130980\DWG\HELIS OIL & GAS_COE PLANS.dwg

TOTAL FILL REQUIRED FOR DRILLSITE..... 33,400 CU. YDS.
 FILL REQUIRED FOR DRILLSITE IN WETLANDS..... 28,763 CU. YDS.
 TOTAL IMPACTS OF DRILLSITE IN WETLANDS..... ±9.26 ACRES
 TOTAL IMPACTS OF DRILLSITE..... ±10.35 ACRES



TYPICAL CROSS-SECTION OF DRILLSITE

No Scale

NOTES:

1. Material for drillsite levees will be taken from within the leveed perimeter.
2. Closure procedures, including onshore land treatment and/or offsite disposal of mud pit contents and other drilling residues, shall be conducted in accordance with appropriate Federal and State Regulations.
3. All structures, facilities, well and pipelines/flowlines occurring in open water areas or in oilfield canals or slips shall be removed within 120 days of abandonment of the facilities for the herein permitted use unless prior written approval to leave such structures in place is received from the Coastal Management Division. 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
4. In order to ensure the safety of all parties, the permittee shall contact the Louisiana ONE CALL System (1-800-272-3020), a minimum of 48 hours prior to the commencement of any excavation (Digging, Dredging, Jetting, etc.) or demolition activity.

NOTES - DRY HOLE SCENARIO

1. The boards will be removed from the access road and drill pad.
2. The drill site and ring levees will be degraded within 90 days following abandonment. The levee material will be deposited, to the maximum extent practicable, into the borrow areas from which the material was excavated and the area will be leveled to as near pre-project conditions as practicable.
3. The drill pad site will be allowed to naturally re-vegetate.

NOTES - PRODUCTIVE WELL SCENARIO

1. The boards will be removed from the drill site and access road. The drill site will be reduced to the minimum area required for production and rock/gravel or other suitable permiting material will be deposited on the drill site and access road.
2. The ring levees will be degraded and the material will be deposited, to the maximum extent practicable, into the borrow areas from which the material was excavated and the area will be leveled to as near pre-project conditions as practicable.

DISCLAIMER: At this time, C.H. Fenstermaker & Associates, LLC has not performed nor was asked to perform any type of engineering, hydrological modeling, flood plain, or "No Rise" certification analyses, including but not limited to determining whether the project will impact flood hazards in connection with federal/FEMA, state, and/or local laws, ordinances and regulations. Accordingly, Fenstermaker makes no warranty or representation of any kind as to the foregoing issues, and persons or entities using this information shall do so at their own risk.

NOTE:
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HELIS OIL & GAS COMPANY

PROPOSED DRILLSITE & STRUCTURES

Eads Poitevent No. 1 Well

Section 34, T7S-R12E

St. Tammany Parish, Louisiana



Lafayette New Orleans Houston
 135 Regency Sq. Lafayette, LA 70508
 Ph. 337-237-2200 Fax. 337-232-3299
www.fenstermaker.com

DRAWN BY: SC

REVISED: 3/14/2014

DATE: 1/15/2014

PROJ. MGR.: RLL

SHEET 3 OF 3 SHEETS

FILENAME: T:2013\2130980\DWG\HELIS OIL & GAS_COE PLANS.dwg

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SIGNATURE OF APPLICANT

DATE

NAME, LOCATION, AND DESCRIPTION OF PROJECT OR ACTIVITY

12. PROJECT NAME OR TITLE (see instructions) Proposed Drillsite and Structures for Eads Poitevent No. 1 Well	
13. NAME OF WATERBODY, IF KNOWN (if applicable) N/A	14. PROJECT STREET ADDRESS (if applicable) Address
15. LOCATION OF PROJECT Latitude: °N 30°23'17" Longitude: °W 89°58'45"	City - State - Zip-
16. OTHER LOCATION DESCRIPTIONS, IF KNOWN (see instructions) State Tax Parcel ID Municipality Section - 34 Township - T7S Range - 12E	

17. DIRECTIONS TO THE SITE

The proposed work area is north of Interstate 12, east of Log Cabin Road, and west of Louisiana Highway 1088.

18. Nature of Activity (Description of project, include all features)

The proposed activity will consist of the installation of drill site well pad measuring approximately 10.35 acres (of which includes 9.26 acres of wetlands) structures, board mats, borrow ditch, and ring levees. An additional 0.20 acres of wetlands will be impacted to construct the bylasses, access road wings, and guard shacks placement. Approximately 33,400 cu. yds. of native material will be redistributed on the well pad of which 28,763 cu. yds. will be placed on wetlands. Another 190 cu. yds. of fill will be placed at the entrance of the access road to construct the access road wings. Mechanized excavation and grading of surface material is proposed for this activity.

19. Project Purpose (Describe the reason or purpose of the project, see instructions)

The purpose of the project is to install a drill site location for the Eads Poitevent No. 1 Well in St. Tammany Parish, LA.

USE BLOCKS 20-23 IF DREDGED AND/OR FILL MATERIAL IS TO BE DISCHARGED

20. Reason(s) for Discharge

The drill site well pad of 10.35 acres (of which includes 9.26 acres of wetlands) is needed to explore a large subsurface area geologically identified as a key site for oil and gas exploration to satisfy the public need for hydrocarbons. This well pad location has been identified by Helis' geologist as a strategic site to begin to explore a significant subsurface potential. This well will be completed through the use of hydraulic fracturing. An additional 0.20 acres of wetland impacts will take place as a result of the proposed bypasses, wings, and guard shack.

21. Type(s) of Material Being Discharged and the Amount of Each Type in Cubic Yards:

Type Amount in Cubic Yards	Type Amount in Cubic Yards	Type Amount in Cubic Yards
Native Material - 33,400 cu yds		

22. Surface Area in Acres of Wetlands or Other Waters Filled (see instructions)

Acres 9.46
or
Linear Feet

23. Description of Avoidance, Minimization, and Compensation (see instructions)

An existing access road (±6717') will be utilized to minimize surface impacts rather than proposing a new access route. This access road will be concurrently utilized by both logging activity in the area and this proposed oil and gas project. Also, the proposed activity includes the installation of a single 10.35 acre well pad rather than multiple well pads in order to further reduce surface impacts. A typical well pad issued under an NOD-13 permit can impact up to 3.67 acres (400'x400') for a single well bore. Helis is capable of drilling up to 10 well bores from this proposed pad outlined in this permit application, which in comparison would only be 1.04 acres of impact per well bore.

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25. Addresses of Adjoining Property Owners, Lessees, Etc., Whose Property Adjoins the Waterbody (if more than can be entered here, please attach a supplemental list).

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City - New Orleans State - Louisiana Zip - 70170

b. Address-

City - State - Zip -

c. Address-

City - State - Zip -

d. Address-

City - State - Zip -

e. Address-

City - State - Zip -

26. List of Other Certificates or Approvals/Denials received from other Federal, State, or Local Agencies for Work Described in This Application.

AGENCY	TYPE APPROVAL*	IDENTIFICATION NUMBER	DATE APPLIED	DATE APPROVED	DATE DENIED

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27. Application is hereby made for permit or permits to authorize the work described in this application. I certify that this information in this application is complete and accurate. I further certify that I possess the authority to undertake the work described herein or am acting as the duly authorized agent of the applicant.

SIGNATURE OF APPLICANT

DATE

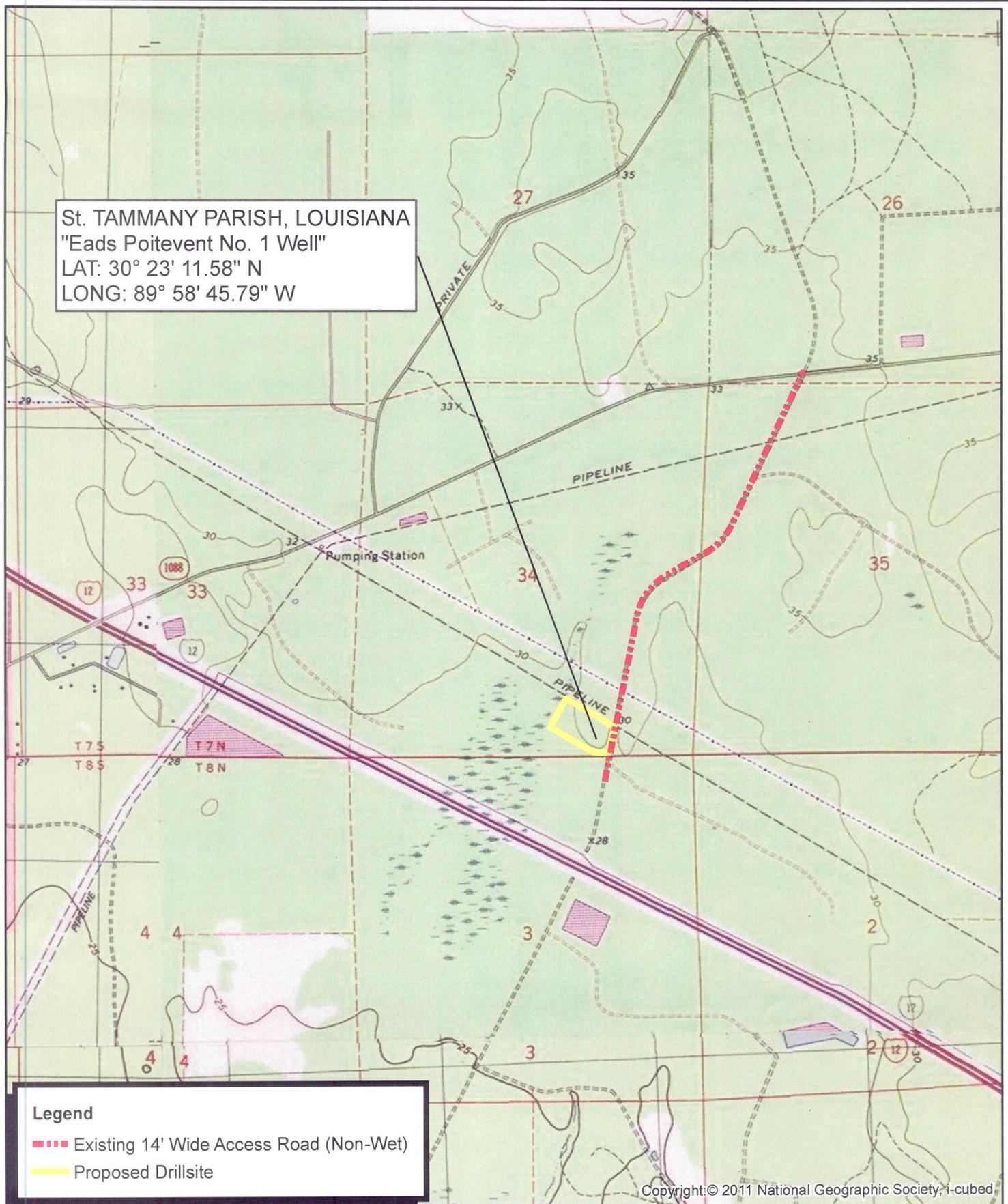
SIGNATURE OF AGENT

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St. TAMMANY PARISH, LOUISIANA
 "Eads Poitevent No. 1 Well"
 LAT: 30° 23' 11.58" N
 LONG: 89° 58' 45.79" W



Legend

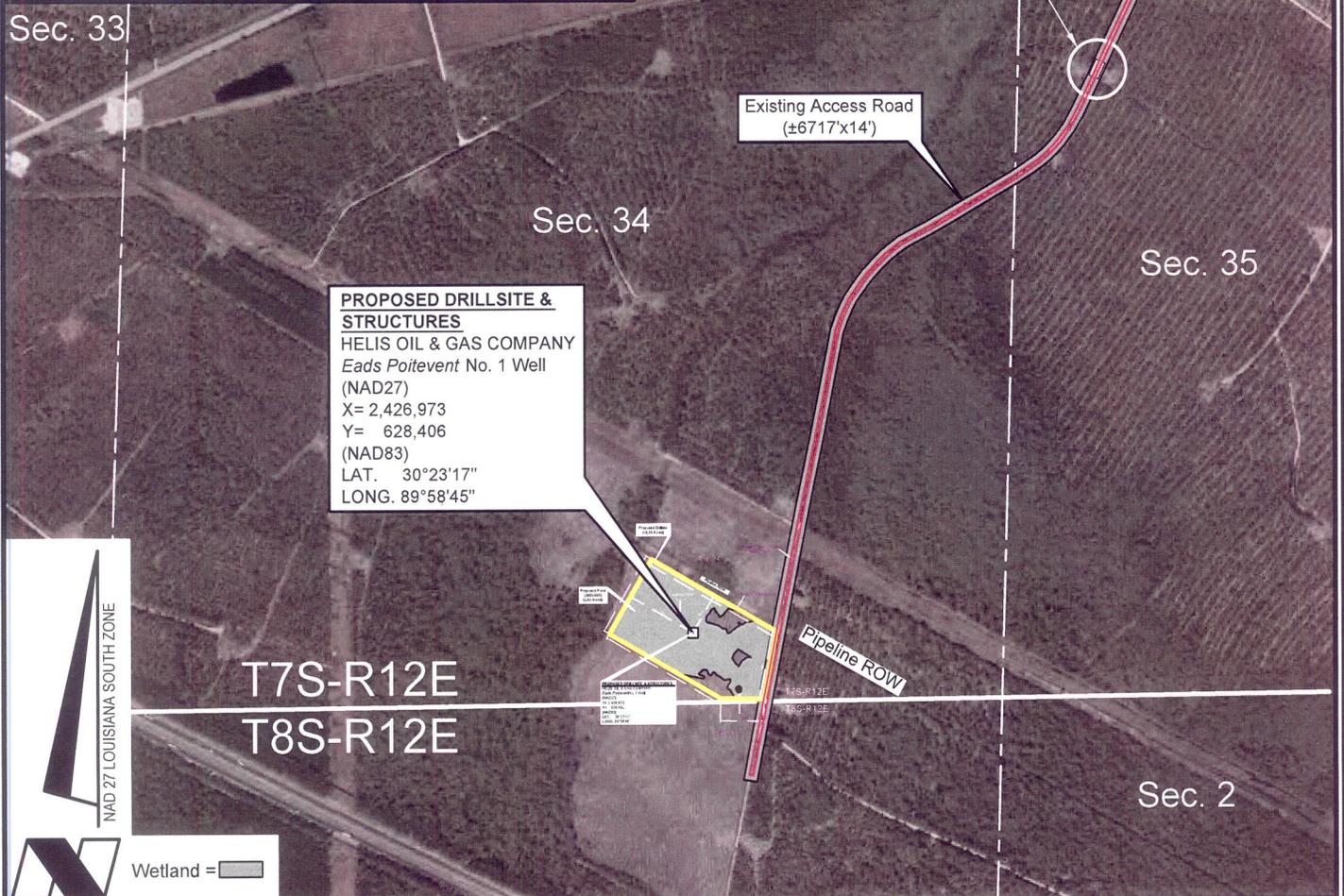
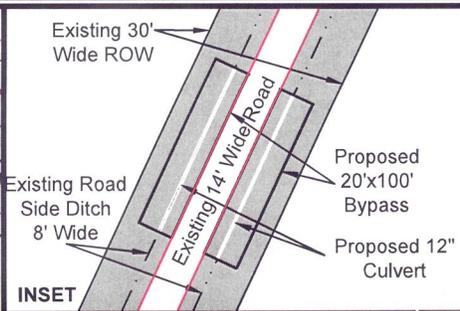
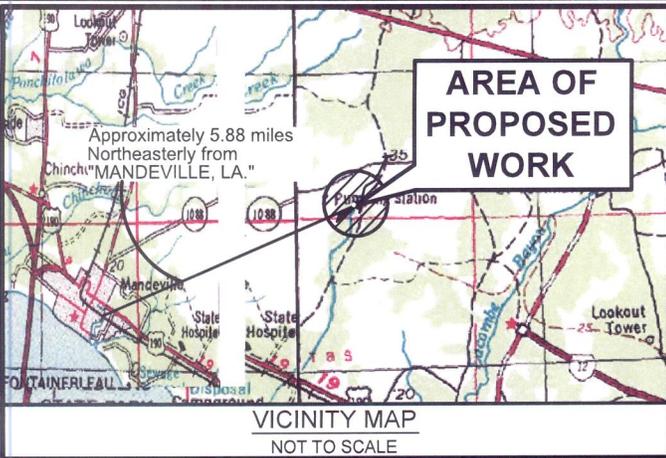
- - - Existing 14' Wide Access Road (Non-Wet)
- ▭ Proposed Drillsite

Copyright © 2011 National Geographic Society, i-cubed

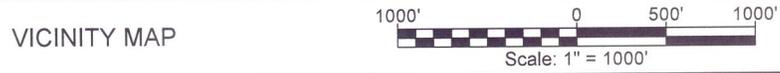
VICINITY MAP



(NGS TOPO)
HELIS OIL & GAS COMPANY
PROPOSED DRILLSITE & STRUCTURES
 Eads Poitevent No. 1 Well
 Section 34, T7S - R12E
 St. Tammany Parish, Louisiana
 3/14/2014



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HELIS OIL & GAS COMPANY
PROPOSED DRILLSITE & STRUCTURES
Eads Poitevent No. 1 Well
Section 34, T7S-R12E
St. Tammany Parish, Louisiana



Lafayette New Orleans Houston
135 Regency Sq. Lafayette, LA 70508
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DRAWN BY: SC	REVISED: 3/14/2014	DATE: 1/15/2014
PROJ. MGR.: RLL	3/26/2014	SHEET 1 OF 4 SHEETS
FILENAME: T:2013\2130980\DWG\HELIS OIL & GAS_COE PLANS.dwg		

St. TAMMANY PARISH, LOUISIANA
 "Eads Poitevent No. 1 Well"
 LAT: 30° 23' 11.58" N
 LONG: 89° 58' 45.79" W

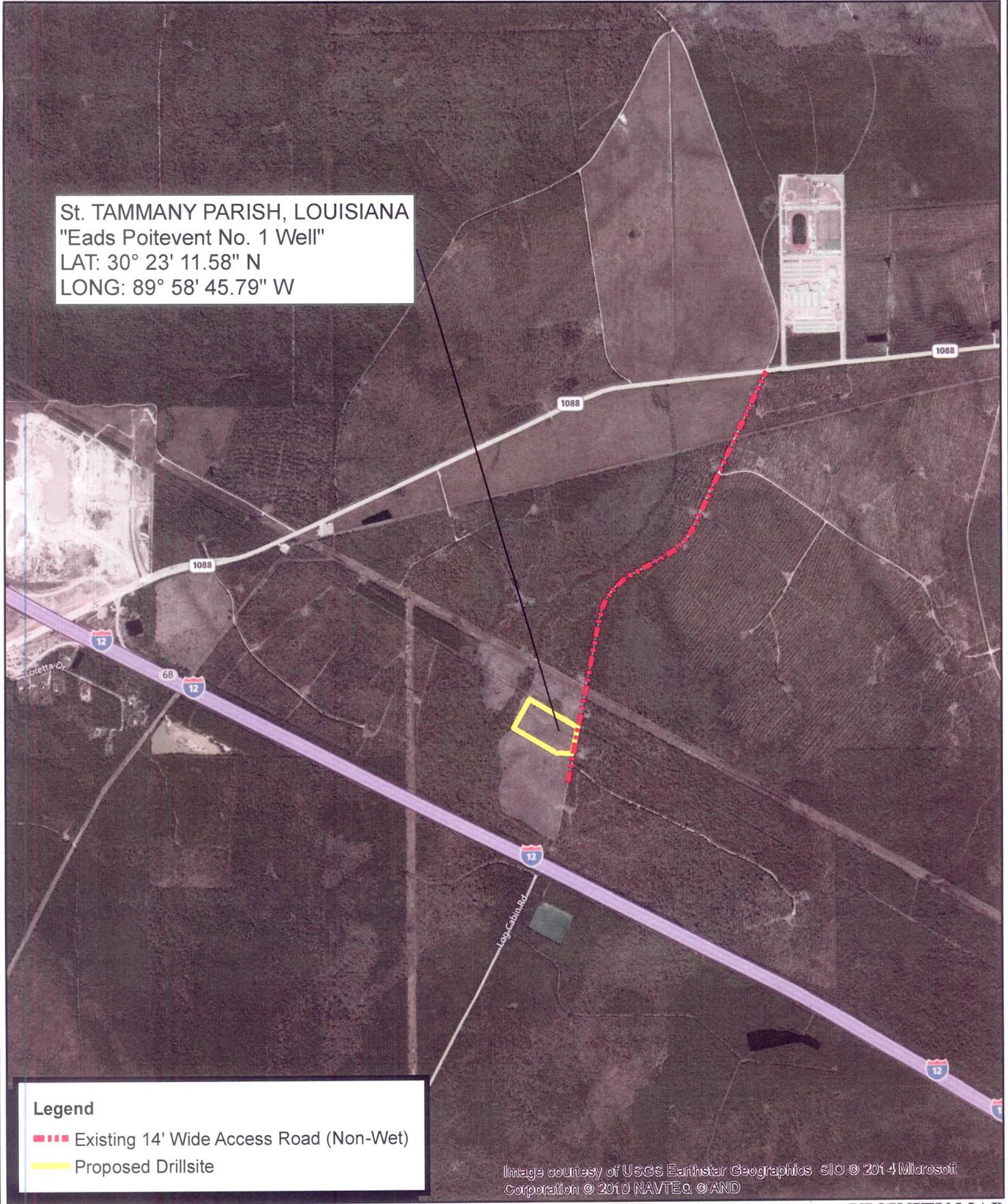


Image courtesy of USGS Earthstar Geographics SIO © 2014 Microsoft Corporation © 2010 NAVTEQ © AND

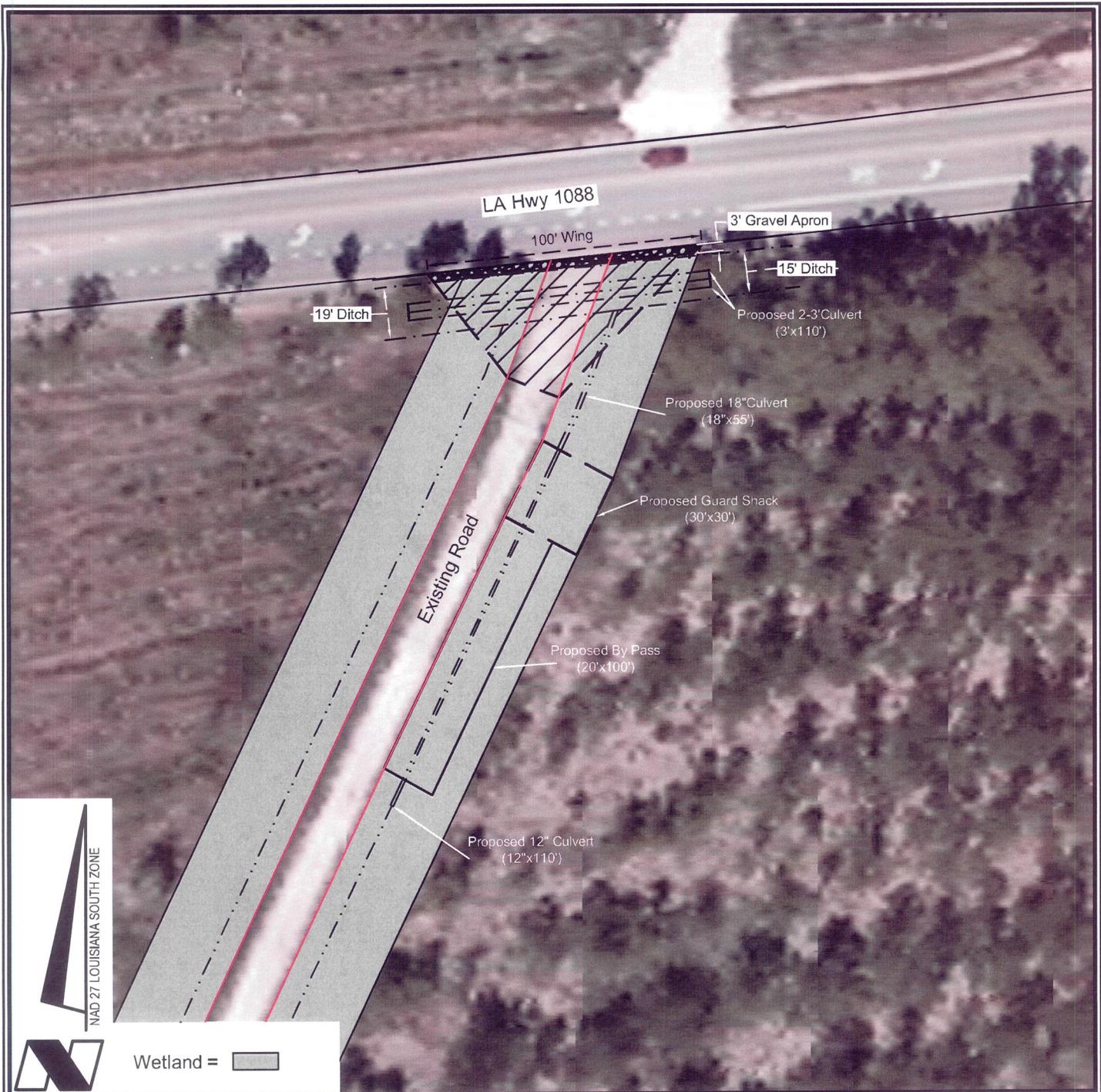
Legend

- Existing 14' Wide Access Road (Non-Wet)
- Proposed Drillsite

VICINITY MAP

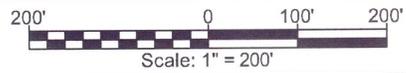
(BING HYBRID)
 HELIS OIL & GAS COMPANY
 PROPOSED DRILLSITE & STRUCTURES
 Eads Poitevent No. 1 Well
 Section 34, T7S - R12E
 St. Tammany Parish, Louisiana
 3/14/2014





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PLAN VIEW



HELIS OIL & GAS COMPANY
PROPOSED DRILLSITE & STRUCTURES
Eads Poitevent No. 1 Well
 Section 34, T7S-R12E
 St. Tammany Parish, Louisiana



Lafayette New Orleans Houston
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DRAWN BY: SC	REVISED: 3/14/2014	DATE: 1/15/2014
PROJ. MGR.: RLL	3/26/2014	SHEET 2 OF 4 SHEETS
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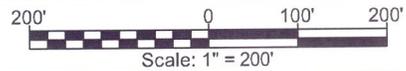
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 (NAD83)
 LAT 30°23'17"
 LONG 89°58'45"



Wetland =

NOTE:
 THE CONTENTS OF THESE PLANS ARE INTENDED
 EXCLUSIVELY FOR THE PURPOSE OF OBTAINING
 ENVIRONMENTAL COMPLIANCE PERMITS

PLAN VIEW



HELIS OIL & GAS COMPANY
 PROPOSED DRILLSITE & STRUCTURES
 Eads Poitevent No. 1 Well
 Section 34, T7S-R12E
 St. Tammany Parish, Louisiana



Lafayette New Orleans Houston
 135 Regency Sq. Lafayette, LA 70508
 Ph. 337-237-2200 Fax. 337-232-3299
 www.fenstermaker.com

DRAWN BY: SC

REVISED: 3/14/2014
 3/26/2014

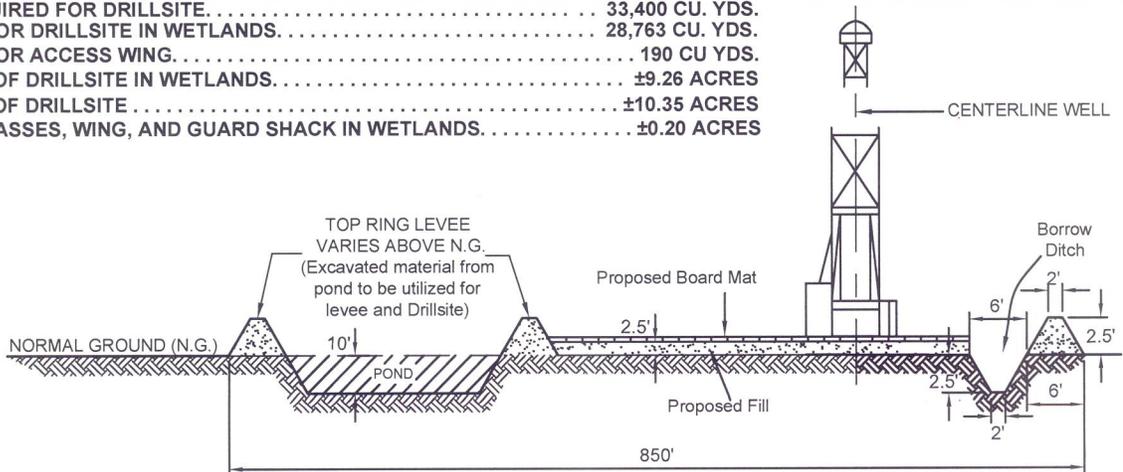
DATE: 1/15/2014

PROJ. MGR.: RLL

SHEET 3 OF 4 SHEETS

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TOTAL FILL REQUIRED FOR DRILLSITE..... 33,400 CU. YDS.
 FILL REQUIRED FOR DRILLSITE IN WETLANDS..... 28,763 CU. YDS.
 FILL REQUIRED FOR ACCESS WING..... 190 CU. YDS.
 TOTAL IMPACTS OF DRILLSITE IN WETLANDS..... ±9.26 ACRES
 TOTAL IMPACTS OF DRILLSITE..... ±10.35 ACRES
 IMPACTS OF BYPASSES, WING, AND GUARD SHACK IN WETLANDS..... ±0.20 ACRES



TYPICAL CROSS-SECTION OF DRILLSITE

No Scale

NOTES:

1. Material for drillsite levees will be taken from within the leveed perimeter.
2. Closure procedures, including onshore land treatment and/or offsite disposal of mud pit contents and other drilling residues, shall be conducted in accordance with appropriate Federal and State Regulations.
3. All structures, facilities, well and pipelines/flowlines occurring in open water areas or in oilfield canals or slips shall be removed within 120 days of abandonment of the facilities for the herein permitted use unless prior written approval to leave such structures in place is received from the Coastal Management Division. 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
4. In order to ensure the safety of all parties, the permittee shall contact the Louisiana ONE CALL System (1-800-272-3020), a minimum of 48 hours prior to the commencement of any excavation (Digging, Dredging, Jetting, etc.) or demolition activity.

NOTES - DRY HOLE SCENARIO

1. The boards will be removed from the access road and drill pad.
2. The drill site and ring levees will be degraded within 90 days following abandonment. The levee material will be deposited, to the maximum extent practicable, into the borrow areas from which the material was excavated and the area will be leveled to as near pre-project conditions as practicable.
3. The drill pad site will be allowed to naturally re-vegetate.

NOTES - PRODUCTIVE WELL SCENARIO

1. The boards will be removed from the drill site and access road. The drill site will be reduced to the minimum area required for production and rock/gravel or other suitable permitizing material will be deposited on the drill site and access road.
2. The ring levees will be degraded and the material will be deposited, to the maximum extent practicable, into the borrow areas from which the material was excavated and the area will be leveled to as near pre-project conditions as practicable.

DISCLAIMER: At this time, C.H. Fenstermaker & Associates, LLC has not performed nor was asked to perform any type of engineering, hydrological modeling, flood plain, or "No Rise" certification analyses, including but not limited to determining whether the project will impact flood hazards in connection with federal/FEMA, state, and/or local laws, ordinances and regulations. Accordingly, Fenstermaker makes no warranty or representation of any kind as to the foregoing issues, and persons or entities using this information shall do so at their own risk.

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