



CADDO PARISH COMMISSION Floodplain Development Application

Application Number: PW-320

Date: OCT 16 2019

Section 1: Applicant's Agreement:

The undersigned agrees that the floodplain maps and other flood data used in evaluating the flood hazards to the proposed development are considered reasonable and accurate for regulatory purposes and are based on best available scientific and engineering data. On rare occasions greater floods can and will occur and flood heights may be increased by man-made or natural causes

The undersigned also agrees that all statements herein and in attachments to this application are true and accurate, to best of their knowledge and all work shall be done in accordance with the [name of City/Parish] [title of floodplain management ordinance] and with all applicable federal, state, parish and city laws and regulations.

[Signature]
(Applicant's signature)

9/25/19
(Date)

Section 2: Applicant Information

1. Name	Address	Telephone
Aethon Energy Operating Applicant	12377 Merit Drive, Suite 1200, Dallas, TX 75251	318-426-1279
Builder	Contact Matthew Williams, Agent for Aethon Energy Operating	
Engineer		

2. Location of property (street address, lot number or legal description). An attached plat of survey or map is helpful.

Approximately 0.30 miles east of the intersection of Overton Brooks Road and Wallace Lake Road. Project is located on the south side of Overton Brooks Road at the approximate lat/long: 32.368140, -93.734538

3. Type of Construction (check all that apply)

Structural

- Activity
- New structure
 - Addition
 - Relocation
 - Demolition

- Structure type
- Residential (1-4 Family)
 - Residential (more than 4 Family)
 - Non-residential
 - Manufactured Home

Other Development Activities

- Clearing
 - Excavation
 - Subdivision
 - Alteration of Waterway or drainage
 - Road or Bridge Construction
 - Utility Work
 - Other Well pad and access road construction
- Filling
 - Grading
 - Mining
 - Drilling

4. Estimated cost of project \$ 750,000.00

After completing Section 2, the applicant should submit the application and any attachments to the floodplain administrator for review.

(The following sections are for community use only)

Section 3: Floodplain determination

1. FIRM Panel No. 22017C0605H Dated 5/19/2014

2. The proposed development:

- Is not located in a Special Flood Hazard Area (no floodplain development permit required)
- Is partially located in the SFHA but the building or development is not (no floodplain development permit required.)
- Is located in a SFHA: Flood Zone _____ Base flood elevation _____
- Base flood elevation is not available (See Section 4, contact applicant to discuss)
- Is located in the floodway (Panel No. _____ Dated _____)

Section 4: Additional Information

The applicant must submit the following information to process the application:

- Site plan, showing property lines, topography, floodplain and floodway boundaries, existing and proposed structures, etc.
- Development plans
- Building plans showing, proposed first floor elevation, anchoring details, floodproofing of utilities below the first floor, details of enclosures below the first floor, etc.
- Base flood elevation (If the development exceeds 50 lots or 5 acres)
- Floodway construction: hydraulic/hydrologic calculations showing no increase in the base flood height
- Certified design of openings for enclosures (if an alternative to the NFIP standard is proposed)
- Nonconversion agreement (full-story enclosures)
- Other permits as required
 - Corps of Engineers: Yes No If yes, Permit # _____
Date received: _____
 - Coastal Use Permit: Yes No If yes, Permit # _____
Date received: _____
- Other: _____

Section 5: Permit Determination

The permit is Approved Denied (see reasons below)

Signed J. Edwards Date OCT 16 2019

(The applicant may revise and resubmit an application or may request an appeal.)

Reasons for denial _____

Appeals: Appealed to Board of Standards and Appeals Yes No

Hearing date: _____

Board decision – approved Yes No

Reasons/ Conditions: _____

Section 6: Inspection Record

The floodplain administrator or designee will complete this section based on inspections to ensure compliance with the flood damage prevention ordinance.

	Date	Inspector	Comments
Pre-construction:	_____	_____	_____
Elevation:	_____	_____	_____
Final:	_____	_____	_____

Section 7: Certificate of Occupancy

- | | | | |
|---|-----------------------------------|-----------------------------------|-----------------------------------|
| <input type="checkbox"/> Elevation Certificate required | <input type="checkbox"/> Reviewed | <input type="checkbox"/> Approved | <input type="checkbox"/> Rejected |
| <input type="checkbox"/> Floodproofing Certificate required | <input type="checkbox"/> Reviewed | <input type="checkbox"/> Approved | <input type="checkbox"/> Rejected |
| <input type="checkbox"/> V Zone Certificate required | <input type="checkbox"/> Reviewed | <input type="checkbox"/> Approved | <input type="checkbox"/> Rejected |

Reason for rejection: _____

Certificate issued: Date: _____ By: _____

J. Edwards, CFM
Toya R.W. Edwards, CFM
#US-16-09440
Certified Floodplain Manager (CFM®)

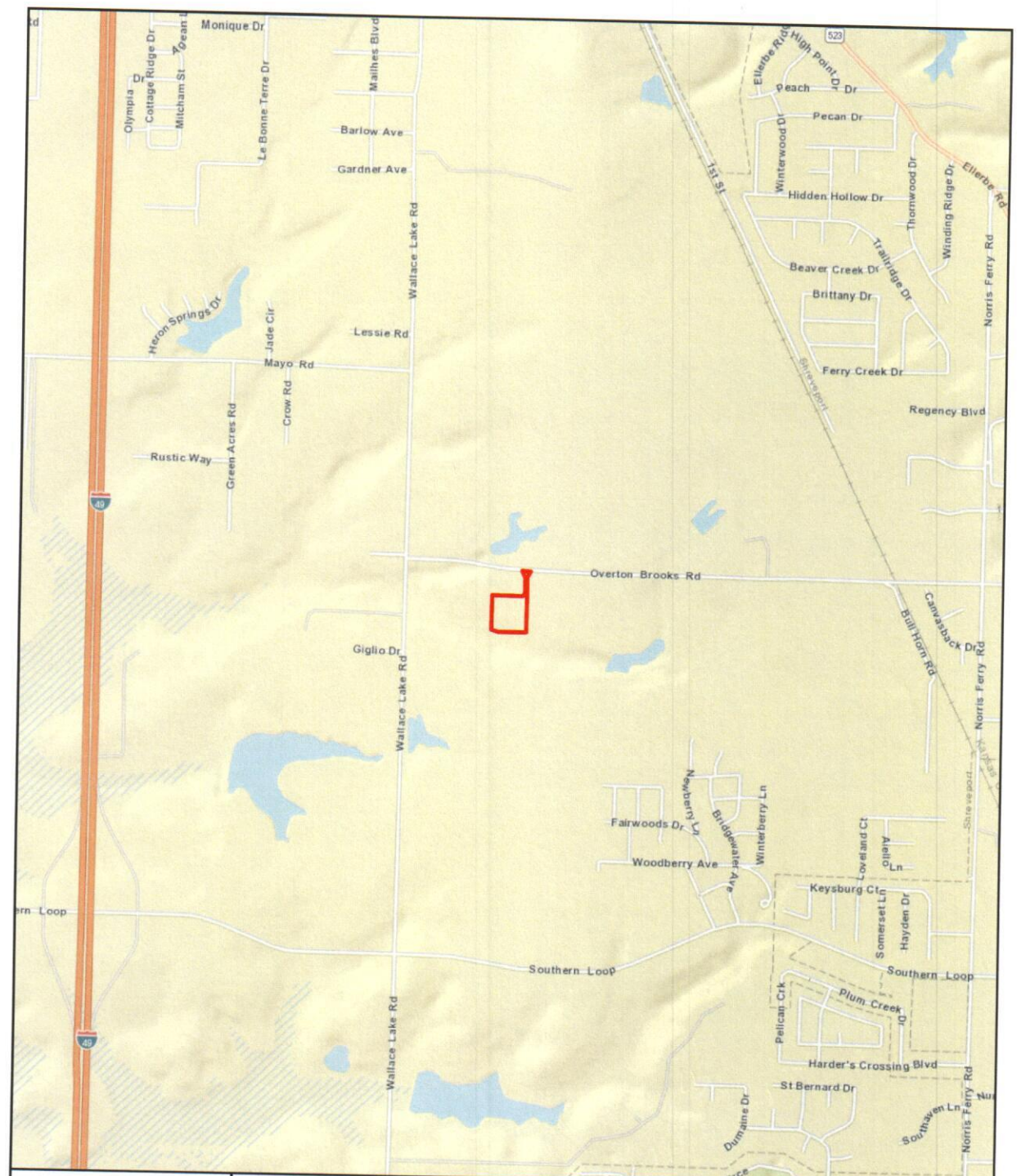


Figure 1 - Vicinity Map
Byrd 19-16-13 Well Pad and Access Road
Aethon Energy Operating, LLC
Caddo Parish, Louisiana

Legend
 Proposed Byrd 19-16-13 Project



LAND & AQUATIC
 RESOURCE MANAGEMENT, LLC
 132 Lone Oak Dr.
 Benton, LA 71006
 Prepared By: Matthew Williams
 L&A Project: 2019125
 Scale: 1 in = 2,000 ft
 Date: Sep 24, 2019

0 2,000 Feet





Figure 2 - Aerial Map
Byrd 19-16-13 Well Pad and Access Road
Aethon Energy Operating, LLC
Caddo Parish, Louisiana

Legend
□ Proposed Byrd 19-16-13 Project






 **LAND & AQUATIC**
RESOURCE MANAGEMENT, LLC
132 Lone Oak Dr.
Benton, LA 71006

Prepared By: Matthew Williams
L&A Project: 2019125
Scale: 1 in = 300 ft
Date: Sep 24, 2019





Figure 3 - Flood Zone Map
Byrd 19-16-13 Well Pad and Access Road
Aethon Energy Operating, LLC
Caddo Parish, Louisiana

- Legend**
-  Proposed Byrd 19-16-13 Project
- Flood Zones**
-  A
 -  AE
 -  AH
 -  AO

LAND & AQUATIC
 RESOURCE MANAGEMENT, LLC
 132 Lone Oak Dr.
 Benton, LA 71006

Prepared By: Matthew Williams
 L&A Project: 2019125
 Scale: 1 in = 2,000 ft
 Date: Sep 24, 2019





HA RA SUM Byrd 19H No. 1-AII Well	
X=	1,618,979'
Y=	620,855'
LAT.	32° 22' 03.23" N NAD 27
LONG.	93° 44' 02.59" W
LAT.	32,367,953" N
LONG.	93,734,053" W
X=	2,899,764'
Y=	681,543'
LAT.	32° 22' 03.16" N NAD 2011
LONG.	93° 44' 02.59" W
LAT.	32,367,953" N
LONG.	93,734,053" W
ELEV.	188.6' NAVD88
CALLS	555(FNU)T,045(FEL)

HA RA SUM Byrd 19H No. 2-AII Well	
X=	1,618,978'
Y=	620,855'
LAT.	32° 22' 03.03" N NAD 27
LONG.	93° 44' 02.59" W
LAT.	32,367,958" N
LONG.	93,734,053" W
X=	2,899,764'
Y=	681,563'
LAT.	32° 22' 03.58" N NAD 2011
LONG.	93° 44' 03.25" W
LAT.	32,367,961" N
LONG.	93,734,235" W
ELEV.	188.6' NAVD88
CALLS	575(FNU)T,045(FEL)

HA RA SUM Byrd 19H No. 3-AII Well	
X=	1,618,978'
Y=	620,835'
LAT.	32° 22' 02.83" N NAD 27
LONG.	93° 44' 02.59" W
LAT.	32,367,453" N
LONG.	93,734,053" W
X=	2,899,764'
Y=	681,543'
LAT.	32° 22' 03.38" N NAD 2011
LONG.	93° 44' 03.24" W
LAT.	32,367,906" N
LONG.	93,734,235" W
ELEV.	188.1' NAVD88
CALLS	595(FNU)T,045(FEL)

DRILL PAD ACREAGE 5.151 Acres
 Sara Giglio Byrd, et al. 0.281 Acres
 Joseph Christopher Gullio, et al. 0.281 Acres
 TOTAL: 5.151 Acres

FIELD WORK DETAIL

AETHON ENERGY OPERATING LLC
 HA RA SUM:Byrd 19H
 PROPOSED DRILL PAD AND ACCESS
 SEC. 19, T16N-R13W
 CADDO PARISH, LOUISIANA

REVISIONS	DESCRIPTION:
DRAWN BY: TDK	# BY: DATE:
PROJ. MGR.: JIN	
DATE: 09/24/2019	

FILENAME: T:\2019\2190570\DWG\Byrd_FWD.dwg

Not to be used for construction, building, recordation, conveyance, sales, or engineering design.

PRELIMINARY

Jared P. L. Normand
 Professional Land Surveyor
 Registration No. 5173
 jaredr@firstmaker.com

NOTES:

- All bearings, distances, areas, and coordinates refer to the State Plane System of 1927, Louisiana North Zone. Elevations refer to the North American Vertical Datum of 1988 and are derived from static and kinematic GPS observations, unless noted otherwise. This plan is not a property boundary survey and as such does not comply with the "Standards of Practice for Property Boundary Surveys" as shown by the Louisiana Professional Engineering & Land Surveying Board.
- Contours shown here are for informational purposes only and were derived from Light Detection and Ranging (LiDAR) data provided by Louisiana State University Department of Geomatics Engineering (https://maps.gis.lsu.edu/ldar2000/).
- Please be advised that, while reasonable efforts are made to locate, identify, and mark all utilities using our standard pipeline locating equipment, it is impossible to be 100% effective. As such, we advise using additional methods as there is a possibility that pipelines and other hazards, such as fiber optic cables, PVC pipelines, etc., may exist undetected on or near the site.
- Louisiana maintains an information center that establishes links between those who dig (excavators) and those who own and operate underground facilities (operators). It is advisable and required by law for the contractor to contact the center for assistance in locating and marking underground utilities. For guidance, Louisiana's One Call program website is www.louisiana811.com.

Associates, L.L.C.
 Lafayette, LA 70508
 Tel: 337-232-2329
 www.aer.com

PW-320



9-1-1 ADDRESS PERMIT

FAX TO (318)-698-8004
 CADDO PARISH PUBLIC WORKS
 ATTN: TOYA EDWARDS
 PHONE: (318) 841-5522

FOR OFFICE USE ONLY:

DATE 10/16/19
 PAYMENT TYPE Ch# 1324
 RECEIPT # 6878
 PERMIT TECH Toya/Leon

NAME OF APPLICANT/OWNER	Aethon Energy Operating		
PHONE NUMBER OF APPLICANT/OWNER	Matthew Williams (Agent) 318-426-1279		
GEO NUMBER & LEGAL DESCRIPTION OF PROPERTY	GEO # 161319-000-0041 SECTION <u>19</u> TOWNSHIP <u>10</u> RANGE <u>13</u>		
EXTENDED LEGAL DESCRIPTION			
ROAD STATUS (CIRCLE)	DEDICATION/NO ROAD	PRIVATE DRIVE	PARISH ROAD
PERMIT TYPE	RESIDENTIAL/ <u>COMMERCIAL</u>		
PERMIT FEE	\$50.00/ <u>\$100.00</u>		
MUNICIPAL/9-1-1 ADDRESS	213 Overton Brooks Rd		
FLOOD ZONE INFORMATION	A	AE	<u>(X)</u>
	EFF. DATE: <u>May 19, 2014</u>		
	BFE: <u>N/A</u>		
<input checked="" type="checkbox"/> FLOOD ZONE INFORMATION Storm Water Detention pamphlet given	PANEL # 220361-22017C <u>0605H</u>		
OWNER'S SIGNATURE	Email in		

Parish of Caddo
 PO Box 1127
 Shreveport, LA 71163-1127

DESCRIPTION 911 address permit # 1847 (213 Overton Brooks Rd) and Floodplain Development app PW-320

PAYMENT DATE
 10/16/2019

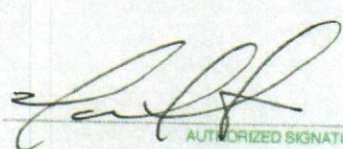
RECEIVED FROM
 Land and Aquatic Resource Management

RECEIPT NO.
 2019-00006878

COLLECTION STATION
 Public Works (CVE)

CASHIER
 Toya Edwards

PAYMENT CODE	RECEIPT DESCRIPTION	TRANSACTION AMOUNT
RB - BLDG PERMIT	911 address permit # 1847 (213 Overton Brooks Rd) and Floodplain Development app PW-320 200-000-3220 Building Permits 100.00	100.00

Land & Aquatic Resource Mgmt. 318-426-1279 132 Lone Oak Street Benton, LA 71006	JPMorgan Chase Bank, N.A. 84-13/654 84-13/654	1324
PAY TO THE ORDER OF Parish of Caddo		9/24/2019
One Hundred and 00/100*****		\$ **100.00
Parish of Caddo 505 Travis Street, Suite 800 Shreveport, LA 71101		DOLLARS
MEMO		AUTHORIZED SIGNATURE
#001324# ⑆065400137⑆		737953856#

Total Cash 0.00
 Total Check 100.00
 Total Charge 0.00
 Total Other 0.00
 Total Remitted 100.00
 Change 0.00
 Total Received 100.00

Total Amount: \$100.00



September 24, 2019

Mrs. Toya Edwards
Caddo Parish Public Works
505 Travis Street, Suite 820
Shreveport, LA 71163

**RE: New Flood Development Permit Application
Aethon Energy Operating, LLC
Proposed Byrd 19-16-13 Well Pad and Access Road
Caddo Parish, Louisiana**

Dear Mrs. Edwards:

Land & Aquatic Resource Management (L&A) has been appointed by Aethon Energy Operating, LLC (Aethon) to serve as their agent for obtaining a flood development permit and 911 address for the above referenced activity in Caddo Parish, Louisiana. The proposed activity will consist of constructing one new well pad and access road for the purpose of hydrocarbon exploration activities.

Enclosed please find the following documents:

- Permit Application(s)
- Maps indicating Project location and extent
- Survey Plats

Aethon would like to begin construction on the project as soon as possible; therefore, your earliest consideration of this request is appreciated. Thank you for your assistance with this project. Please forward all approved permit materials to the address provided below. If you have any questions, please feel free to contact me at (318) 426-1279 or at Matt@laresources.net

Sincerely,

A handwritten signature in black ink that reads "Matthew Williams".


Matthew Williams, PWS

FOR OFFICE USE ONLY:

DATE 10/16/19
 PERMIT # 1847
 PAYMENT TYPE CK
 RECEIPT # _____
 PERMIT TECH ty/lem

9-1-1 ADDRESS PERMIT

FAX TO (318)-698-8004
 CADDO PARISH PUBLIC WORKS
 ATTN: TOYA EDWARDS
 PHONE: (318) 841-5522 (318) 226-6949

NAME OF APPLICANT/OWNER	Aethon Energy Operating 12377 Merit Drive, Suite 1200 Dallas, Texas 75251
PHONE NUMBER OF APPLICANT/OWNER	Matthew Williams (Agent) (318) 426-1279
LEGAL DESCRIPTION OF PROPERTY	SECTION <u>19</u> TOWNSHIP <u>16N</u> RANGE <u>13W</u>
SUBDIVISION/UNIT/LOT	Not Applicable
PERMIT TYPE	RESIDENTIAL / COMMERCIAL
PERMIT FEE	\$50.00 / \$100.00
MUNICIPAL/9-1-1 ADDRESS	
FLOOD ZONE INFORMATION	A AE (X) EFF. DATE: <u>5/19/2014</u>
FLOOD ZONE INFORMATION	BFE: _____ PANEL # 22017C0605H _____
OWNER'S SIGNATURE	 c/o Aethon Energy Operating