



STATE OF LOUISIANA
OFFICE OF CONSERVATION
PERMIT TO DRILL FOR MINERALS

FEE: \$631

SERIAL NO. 251946

Approval Date 09/16/2019

API 17009206610000

Expiration Date 03/13/2020

DIRECTIONAL

05 PARISH AVOYELLES
0708 FIELD BAYOU DES LANCE
G6643 OPERATOR GEOTERRE OPERATING, L.L.C.
9141 INTERLINE AVÉ SUITE 4A
BATON ROUGE, LA 70898-

MONROE DISTRICT

WELL NAME: BLACKSTONE MINERALS 20

NO. 001

LOCATION OF WELL: SEC 020 T 02N R 06E M W

FROM THE NE/COR OF SEC 20, GO S'LY ALG E BNDRY OF SEC 20 FOR 2047' THENCE W'LY
@ RT. ANGLES FOR 2047' TO SURF LOC; THENCE GO N 29 D, 52' W 607' TO BHL IN SEC 20.

ZONE OR RESERVOIR OF PROPOSED COMPLETION: SPARTA

Measured Depth 5775

True Vertical Depth 5700

APPLICABLE OFFICE OF CONSERVATION ORDERS: 29B- 1,29E,29B- 2,1370

RICHARD P. IEYOUB

CARRIE WIEBELT

COMMISSIONER OF CONSERVATION

ISSUING AUTHORITY

WELL FILE



JOHN BEL EDWARDS
GOVERNOR

State of Louisiana
DEPARTMENT OF NATURAL RESOURCES
OFFICE OF CONSERVATION

THOMAS F. HARRIS
SECRETARY

RICHARD P. IEYOUB
COMMISSIONER OF CONSERVATION

SEPTEMBER 16, 2019

GEOTERRE OPERATING, L.L.C.
9141 INTERLINE AVE SUITE 4A
BATON ROUGE, LA 70898-

*** PERMIT TO DRILL ***

RE: AVOYELLES PARISH
BAYOU DES LANCE FIELD
BLACKSTONE MINERALS 20 NO. 001
SER NO. 251946

GENTLEMEN:

WE ARE ISSUING THE ATTACHED PERMIT TO DRILL FOR THE ABOVE REFERENCED WELL WITH THE UNDERSTANDING THAT YOU WILL COMPLY WITH THE FOLLOWING CONDITIONS:

FURNISH THE APPROPRIATE DISTRICT MANAGER WITH A DIRECTIONAL SURVEY AS PROOF THAT THE WELL HAS BEEN DRILLED IN COMPLIANCE WITH THE PROVISIONS OF LAC 43:XIX 135.C (STATEWIDE ORDER NO. 29-B)

COMPLETION OF SAID WELL CANNOT BE IN ANY POOL IN WHICH THE LOCATION DOES NOT CONFORM WITH THE PROVISIONS OF STATEWIDE ORDER NO. 29-E.

WITHIN 30 DAYS OF THE COMPLETION DATE OR THE DATE THIS WELL IS RETAINED FOR FUTURE UTILITY, FINANCIAL SECURITY MUST BE PROVIDED IN ACCORDANCE WITH LAC 43:XIX.104 UNLESS SUCH WELL IS COVERED BY A BLANKET FINANCIAL SECURITY DOCUMENT ACCEPTED BY THE OFFICE OF CONSERVATION. IN SUCH CASE APPLICANT'S FINANCIAL INSTITUTION IS REQUIRED TO SUBMIT A REVISED EXHIBIT "A" TO REFLECT THIS WELL IS SUBJECT TO SAID FINANCIAL SECURITY DOCUMENT.

ALSO, THERE CAN BE NO COMPLETION IN ANY RESERVOIR WHICH IS NOT IN COMPLIANCE WITH THE PROVISIONS OF THE LOUISIANA OFFICE OF CONSERVATION ORDERS OF THE 1370 SERIES, FOR THE ABOVE-CAPTIONED FIELD AND PARISH.

NO ALLOWABLE WILL BE ASSIGNED SAID WELL UNLESS IN COMPLIANCE WITH THE ABOVE PROVISIONS.

PLEASE BE ADVISED THAT A PERMIT TO DRILL ISSUED BY THE OFFICE OF CONSERVATION DOES NOT RELIEVE THE OPERATOR OF THE OBLIGATION TO COMPLY WITH FEDERAL, LOCAL, OR OTHER STATE PERMITTING OR REGULATORY REQUIREMENTS.

YOURS TRULY,

RICHARD P. IEYOUB
COMMISSIONER OF CONSERVATION

Carrie Wiebelt

CARRIE WIEBELT

CW : PC
CC: JIM YORK
MONROE, DISTRICT MANAGER
29B-1, 29E, 29B-2, SPECIAL ORDER

STATE OF LOUISIANA
OFFICE OF CONSERVATION FORM MD-10-R-1
APPLICATION FOR PERMIT TO DRILL FOR MINERALS
TYPE ONLY - FILE IN DUPLICATE

(Print on Buff color paper)

OFFICE USE ONLY 29B-2, 29B-1, 29-E, 1370 series		OFFICE USE ONLY SERIAL NUMBER: 251946	
Company Data		DATE OF APPLICATION: August 21, 2019	
OPERATOR: Geoterre Operating, LLC		CODE NO. G6643	
ADDRESS: 9141 Interline Ave, Ste 4A Baton Rouge, LA 70809			
Well Data			
PARISH: Avoyelles Parish		CODE NO. 05	
FIELD: Bayou Des Lance		CODE NO. 0708	
WELL NAME: Blackstone Minerals 20		Well No.: 001	
LOCATION: Section: 20 Township: T2N Range: R6E			
LOCATION DESCRIPTION: <div style="border: 1px solid black; padding: 5px;">From the northeast corner of Section 20, T2N-R6E, Avoyelles Parish, Louisiana, go southerly along the east boundary of Section 20 for 2,047 feet; thence westerly at right angles for 2,047 feet to the Surface Location; thence go N 29 degrees, 52' W for 607 feet to the Bottom Hole Location in Section 20, T2N-R6E, Avoyelles Parish, Louisiana</div>			
PRODUCT: <input checked="" type="checkbox"/> OIL <input type="checkbox"/> GAS <input type="checkbox"/> OTHER		TYPE OF WELL	
Proposed Total Depth: 5,775 feet - Measured Depth		<input checked="" type="checkbox"/> New Well <input type="checkbox"/> Repermit	
(and TVD, if applicable) 5,700 feet - True Vertical Depth		<input type="checkbox"/> Redrill <input type="checkbox"/> Straight	
Application Fee: \$631.00 Check No.: 66		<input checked="" type="checkbox"/> Lease <input type="checkbox"/> Horizontal	
6 Month <input checked="" type="checkbox"/> 1 Year <input type="checkbox"/> clw # 1196816		<input type="checkbox"/> Unit <input type="checkbox"/> SPC Plan (on water)	
PROPOSED ZONE OF COMPLETION: Sparta			
APPLICABLE CONSERVATION ORDERS: 29B, 29E, 1370 series			
SERIAL NUMBER OF REDRILL OR REPERMIT (if applicable): NA			
CONTACT DATA:			
SEND PERMIT TO: Same as above		<div style="border: 2px solid black; padding: 10px; display: inline-block;"> RECEIVED RECEIVED SEP 06 2019 SEP 13 2019 Monroe District Office Conservation </div>	
ADDRESS: (if different than above)			
FOR ADDITIONAL INFORMATION, CONTACT: Craig J. Sceroler			
Phone No: (225) 926-5205			
APPLICANT:			
SUBMITTED BY: Craig J. Sceroler, Member		OFFICE OF CONSERVATION	
SIGNATURE:		PERMIT SECTION	
APPLICANT'S REPRESENTATIVE SIGNATURE			
OFFICE USE ONLY		OFFICE USE ONLY	
FINANCIAL SECURITY REQUIRED PRIOR TO PERMITTING: <input type="checkbox"/> Yes <input type="checkbox"/> No			
DISTRICT APPROVAL:		DATE: 9-6-2019	
ISSUED BY: Russell W. McEneaney		DATE: 09/16/2019	
API No.: 17-009-20661		Exp.: 03/13/2020	

**STATE OF LOUISIANA
OFFICE OF CONSERVATION**

Inter Office

Date: September 9, 2019

To: Baton Rouge Office

From: Monroe District Office

Attn: Mrs. Carrie Wiebelt

Enclosed herewith please find application from Geoterre Operating, LLC (G6643)

for permit to drill their Blackstone Minerals 20 # 001

Bayou Des Lance (0708) Field, Avoyelles (05) Parish, Louisiana.

Also enclosed please find:

Copy of Check No. 0066 for \$ 631.00

Invoice No. 1196816

Transmittal No. 432016812

Effective Date: _____

Well Product: Oil

_____ No Fee Required

XXX Well Location Plat attached

_____ Voluntary Unit Affidavit and Plat attached

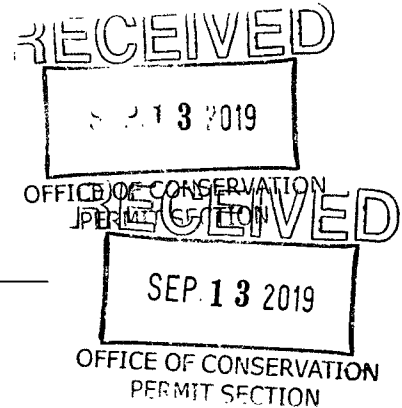
_____ AFLN-1 attached

Applicable Department of Conservation Order No. 29-E, 29-B, 1370 series

Pending Hearing, Docket No. _____

Remarks & Recommendations:

1. Exterior to 1370 series units.
2. Directional well.
3. AFLN-1 attached.
4. Comply with 29-B, 29B-1, 29-E, , 1370 Series



By *Jim York / vom*
District Manager

**AFFIDAVIT OF COMPLIANCE
STATEWIDE ORDER 29-B
RULE LAC 43:XIX.103**

WELL NAME AND NUMBER Blackstone Minerals 20 No. 1

STATE OF Louisiana

PARISH/COUNTY OF East Baton Rouge

BEFORE ME, the undersigned Notary Public, personally appeared Craig J. Scroter, ("affiant") who on his oath did say that he is the Member (REPRESENTATIVE) of the Gastore Operating, LLC (COMPANY), authorized to do business in the state of Louisiana, and that said instrument was signed on behalf of said company, and affiant acknowledged that he executed the same as the free act and deed of said company.

BY CHECKING THIS BOX, AFFIANT CERTIFIES:

- | | |
|--|--|
| <p><input type="checkbox"/> The above referenced well will be drilled from an existing pad on the property in question, there will be no expansion to the existing drilling pad or access road(s) and therefore no notice to the surface owner is required pursuant to R.S. 30:28(I)(1)(f).</p> <p><input checked="" type="checkbox"/> A contractual relationship presently exists between the operator and the surface owner(s) of the subject well. As such, no pre-entry notice is required pursuant to 30:28(I)(1)(c).</p> | <p><input type="checkbox"/> Surface owner was provided pre-entry notice on the _____ day of _____, 20_____. No construction operations of a drilling location for the aforementioned well shall commence less than thirty (30) days after such date.</p> <p><input type="checkbox"/> No pre-entry notice required pursuant to R.S. 30:28(I)(1)(d). Please attach documentation of Commissioner's waiver.</p> |
|--|--|

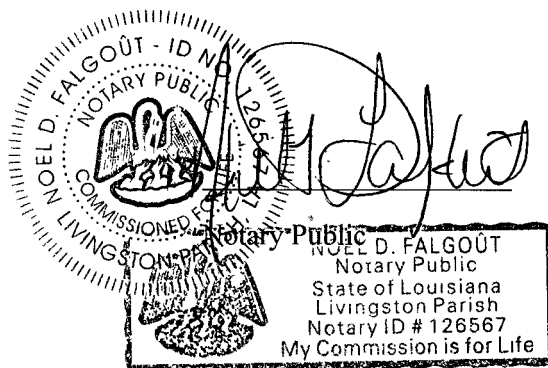
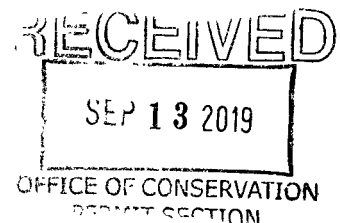
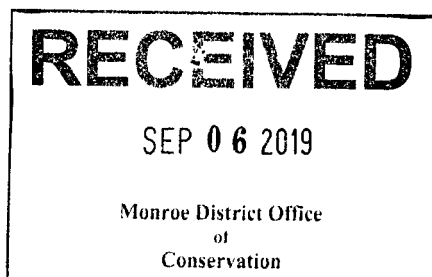
The information in this affidavit meets the requirements of Statewide Order 29-B, Rule LAC 43:XIX.103 and Louisiana R.S. 30:28(I), demonstrating compliance with such order. By signing this document, I certify that the foregoing is true and correct to the best of my knowledge.

Thus done and sworn this 21 day of August, 2019:

Signature: [Signature]

Print Name: Craig J. Scroter

Title: Member



STATE OF LOUISIANA
Department of Natural Resources ~ Office of Conservation
24 Accent Dr. Suite 104 ~ Monroe, Louisiana 71202
Telephone: (318)362-3111

September 9, 2019

RE: Well Name & No. Blackstone Minerals 20 #1
Field Bayou Des Lance/Avoyelles Parish Sec/Twn/Rng 20/2N/6E

IMPORTANT INFORMATION ~ READ CAREFULLY

Your Permit-to-Drill application on the above referenced well has been forwarded to our Baton Rouge office for final review.

CONSERVATION ENFORCEMENT SPECIALIST (CES) ASSIGNED TO WELL:

Please contact Robbie Edwards at Home: 318-640-6799 or Cell: 318-758-0095. If no answer, please leave message referencing operator and well name and number.

NOTICE: CES listed above must be contacted weekly (Monday AM) to be updated on the current status of well. CES must also be contacted 12 hours prior to spud of well, surface casing test, reaching TD, surface casing retest, production casing test, well test, closing of reserve pit, and plugging and abandonment. If you elect to use a consultant or a drilling contractor on a turn-key basis, ensure they are aware of Office of Conservation requirements.

STATEWIDE ORDER NO. 29-B REQUIRES THE FOLLOWING:

1. A well shall not be spud prior to the issuance of a serial number.
2. A well sign shall be posted on the drilling rig and subsequently on well showing: Operator, Well Name and Number, Serial Number, Parish, and Section-Township-Range. A legible well sign shall be maintained until well is permanently plugged and abandoned.
3. Per Statewide Order No. 29-B, a minimum of 500' of surface casing shall be set provided no danger of freshwater sources exist. Additional surface casing may be required if you plan to dispose of reserve pit fluids down the wellbore or surface casing annulus. Refer to fourth paragraph of enclosed Freshwater Protection Letter (enclosed only if applicable). If you plan to set more than 2,400' of surface casing, call the undersigned prior to spud to discuss special drilling and cementing considerations.
4. Sufficient primary cement shall be used to fill the annular space behind the production casing string to such a point as local conditions require to protect the producing formations and all other oil and gas formations occurring above. But in every case, no less cement shall be used than the amount necessary to fill the annular space to a point 500 feet (500') above the shoe. A tail slurry other than neat Class H (or A as applicable) shall first be specifically approved by the District Manager.
5. Prior authorization is required for: Deepening, Sidetrack, Perforating (including initial completion), Cement Squeezing, Plugback, Stimulation, Plug & Abandon, and other work noted on Work Permit (Form DM-4-R). This Work Permit shall be submitted to the district office prior to commencement of work.

FORMS REQUIRED:

1. Completion Report (Form COMP): Two (2) typewritten copies to be filed immediately upon completion of well.
2. Well History (Form WH-1). **Preliminary:** Two (2) typewritten copies to be filed within 20 days after total depth is reached. **Final:** Two (2) typewritten copies to be filed immediately upon initial completion or plug and abandonment.
3. Apparent Deviation (Form AD): Two (2) typewritten copies to be filed with preliminary Well History within 20 days after total depth is reached. **Note:** In cases where a **Directional Survey** is required, two (2) certified copies must be filed.
4. Logs: Two (2) copies of each electric log, 2" and 5", standard size, to be filed with preliminary Well History and Apparent Deviation forms within 20 days after total depth is reached. **Note:** If an electric log is not run, submit a letter to this office so stating same.
5. Oilfield Waste Disposition (Form ENG-16): Two (2) typewritten copies to be filed immediately after reserve pit is closed. (**Note:** Reserve pit shall be closed no later than six (6) months after total depth is reached.)
6. An original signature is required on at least one (1) copy of the aforementioned forms.

FAILURE TO COMPLY WITH THE FOREGOING MAY RESULT IN THE ASSESSMENT OF A CIVIL PENALTY FOR WILLFUL VIOLATION OF THE PROVISIONS OF LOUISIANA R.S. 30:18.

"LAC 43:XIX.111 has specific requirements regarding Diverter Systems and Blowout Preventers. Please note that this requirement will be strictly enforced resulting in a fine for any violation. In addition, please include your latest BOP test date to the District office with your weekly progress report"

Should you have any questions or desire clarification on any point, I can be reached at 318/362-3111.

Sincerely,

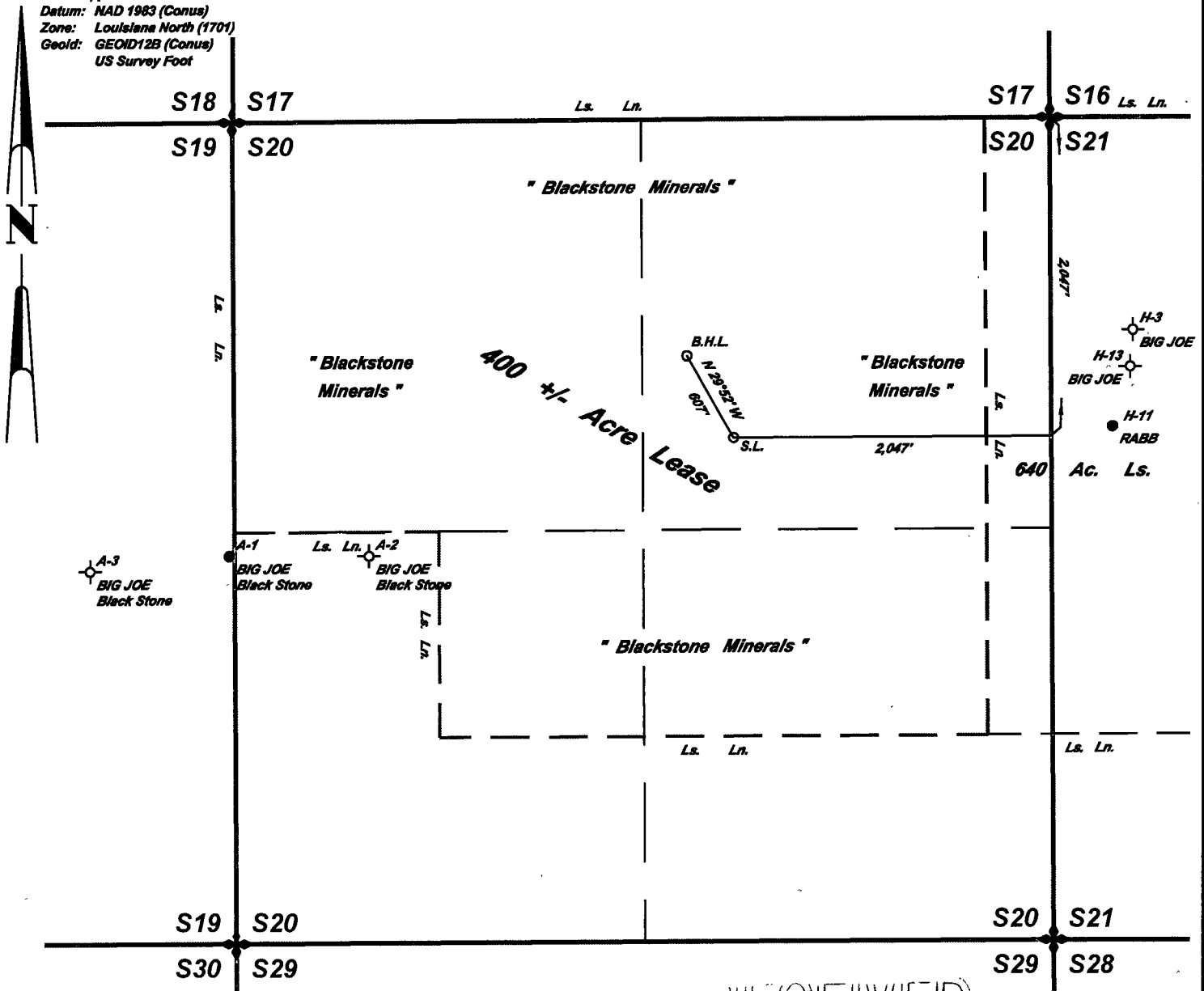
OFFICE OF CONSERVATION

Jim York
Jim York
Monroe District Manager

Cc: Permit Section

251946

Orientation derived from
Mississippi GCGC RTN:
Datum: NAD 1983 (Conus)
Zone: Louisiana North (1701)
Geoid: GEOID12B (Conus)
US Survey Foot



RECEIVED

SEP 13 2019

OFFICE OF CONSERVATION
PERMIT SECTION

DESCRIPTION OF SURFACE LOCATION: From the northeast corner of Section 20, T2N-R6E, Avoyelles Parish, Louisiana, go southerly along the east boundary of Section 20 for 2,047 feet; thence westerly at right angles for 2,047 feet to the Surface Location; thence go N 29°52' W for 607 feet to the Bottom Hole Location in Section 20, T2N-R6E, Avoyelles Parish, Louisiana.

GRD ELEV: 47.5 NAVD88 (Before Grading)

- SURFACE LOCATION -
NAD'27 - LA / North (1701)

LATITUDE: 31°08'04.61532" N
LONGITUDE: 91°52'45.64853" W
X: 2,194,202 Y: 170,774

- BOTTOM HOLE LOCATION -
NAD'27 - LA / North (1701)

LATITUDE: 31°08'09.84017" N
LONGITUDE: 91°52'49.09050" W
X: 2,193,900 Y: 171,300

The well location depicted and described hereon, was surveyed and staked in the field under my direct supervision. This plat shall not be considered valid without the inked initials and the embossed seal of the undersigned.

Luther L. Marling, Reg. P.L.S.#4544
August 1, 2019; REV: 08/20/2019

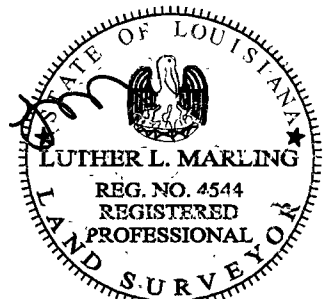
Well Location For

GEOTERRE OPERATING, L.L.C.
Blackstone Minerals 20 No. 1

Situated In

Section 20, T2N-R6E
Avoyelles Parish, Louisiana

Bayou Des Lance Field



JORDAN, KAISER & SESSIONS, LLC
279 Lower Woodville Road, Natchez, MS 39120
p 601.442.3628 f 601.442.5511
www.jksllc.com

File: S1907012