DEPARTMENT OF ENERGY AND NATURAL RESOURCES

4/19/2024

BID PROPOSAL

431-PA25-005

ABANDONMENT OF WELLS AND FACILITY

LAKE RACCOURCI

Lafourche Parish

Bid Opening Date: 5/23/2024

NOTICE TO BIDDERS

Sealed bids will be opened and publicly read by the Department of Energy and Natural Resources, 617 North 3rd Street, 12th Floor, Room 1263, Baton Rouge, Louisiana at **11:00 A.M** on **May 23, 2024** for the following:

Bid Proposal Number: 431-PA25-001

Shreveport Field of Caddo Parish is subject to jurisdiction of the Lafayette District Office.

NOTE: A one-time **MANDATORY SITE VISIT** will be held on Monday, May 6, 2024 at 9:00 A.M. Pre-registration is required. To pre-register, contact Keith Adams at (985) 688-8321 by 12:00 P.M., Friday, May 3, 2024. Contractors must also sign up on the Oilfield Site Restoration Bid Portal to be able to attend the Site Visit and submit a bid.

Only those contractors who attend the Site Visit will be allowed to bid. Each contractor must sign the sign in and sign out sheets to be counted as an attendee. These sheets will be provided by a representative of the Office of Conservation.

This bid is being solicited under the provisions of the Louisiana Oilfield Site Restoration Law (Act 404 of 1993). Only bidders on the approved list of contractors (referenced in Act 404) at time of first public notice of solicitation shall be considered.

Bidders agree bid shall be good for a period of sixty (60) calendar days of the bid opening.

Bidder must upload entire bid proposal package with signature pages and with exceptions noted. Bidders must use the specified forms available in the bid proposal package. Bids must be filled out with ink or typewritten and signed in ink. Any alteration, erasure or correction must be initialed by signer of the bid, failure to do so may cause bid to be rejected.

Contractors are only allowed to submit the bids via their online portal

BIDDER SHALL ASSUME FULL RESPONSIBILITY FOR TIMELY SUBMISSION OF THE BID DOCUMENT TO THE ONLINE PORTAL.

PROPOSAL NUMBER: **431-PA25-005**
BID OPENING DATE: **May 23, 2024**

Department of Energy and Natural Resources
Fiscal Section
617 N. 3rd St., 12th Floor, Room 1263
Baton Rouge, Louisiana 70802

PROJECT:

Furnish all labor, materials, tools and equipment necessary for the Project as per plans, drawings and specifications prepared by the agency.

The undersigned, in compliance with your invitation for bids for the project listed above, having examined the specifications and related documents, inspected site and being familiar with all the conditions surrounding the fulfillment of the contract, hereby proposes to furnish all labor, materials, tools and equipment necessary to complete the above referenced project with the time set forth herein and for the price stated below.

The Lump Sum Total Price stated shall include all permits and governmental fees, licenses, inspections and all sales, consumer use and taxes of any other nature or kind whatever arising from or pertaining to the work or portions thereof provided by the contractor which are legally enacted at the time bids are received, whether or not yet effective.

BASE BID: I/We propose to furnish all materials and perform all work as described in the specifications and related documents for the sum of:

LUMP SUM TOTAL $ _____ _____
(WORDS AND FIGURES)
_____

See: Enclosed Page for BREAKDOWN OF LUMP SUM TOTAL

COMPLETION DATE: The undersigned guarantees completion of project as per base bid in **_____** calendar days.

NOTE: Where so indicated by the makeup of the bid form, sums shall be expressed in both words and figures, and in case of a discrepancy between the two the written amount shall govern.

LOUISIANA CONTRACTOR'S LICENSE NO. _____
NAME (PRINT OR TYPE) _____
TITLE (PRITN OR TYPE) _____

SIGNATURE _____
FIRM NAME _____
ADDRESS (BOX) _____
PHYSICAL _____
CITY, STATE, ZIP _____
PHONE (_____) _____ FAX (_____) _____ EMAIL _____

It is not necessary to return "NO-BID" packages for Plug & Abandon Bids

Bid proposal form, information and specifications may be obtained from the Fiscal Section, Department of Energy and Natural Resources, P.O. Box 94396 (or 617 N. 3rd Street, 12th Floor, Room 1263), Baton Rouge, LA 70804, or by calling (225) 342-4465 or (225) 342-1891.

No bids will be received after the date and hour specified. The right is reserved to reject any and all bids and waive any informalities.

Bidders may attend the bid opening, but no information or opinions concerning the ultimate contract award will be given at the bid opening or during the evaluation process. Bids may be examined after 72 hours of the bid opening. Information pertaining to completed files may be secured by appointment during normal working hours. Written bid tabulations will not be furnished unless requested.

SIGNATURE AUTHORITY: In accordance with L.R.S. 39:1594 (Act 121), the person signing the bid must be:

1. The current corporate officer, partnership member or other individual specifically authorized to submit a bid a reflected in the appropriate records on file with the Secretary of State; or
2. An individual authorized to bind the vendor as reflected by an accompanying corporate resolution, certificate or affidavit; or
3. An individual listed on the State of Louisiana Bidder's Application as authorized to execute bids.

By signing the bid, bidder certifies compliance with the above.

GENERAL CONDITIONS, INSTRUCTIONS, POLICIES AND PROCEDURES

ADDENDA: The contractor must attach all addenda to his bid or otherwise acknowledge the receipt of same.

WITHDRAWAL OF BIDS: The contractor agrees that this bid shall be good and may not be withdrawn for a period of sixty (60) calendar days after the bid opening

AFFIDAVIT: Successful contractor shall be required to execute an affidavit attesting "THAT PUBLIC CONTRACT WAS NOT SECURED THROUGH EMPLOYMENT OR PAYMENT OF SOLICITOR" in compliance with Title 38.Section 2224.

CONTRACT: If the undersigned is notified of the acceptance of the above bid or bids, within thirty (30) days of the time set forth for the opening of bids, he agrees to execute a contract for the work accepted within then (10) days after notice from the Department of Energy and Natural Resources.

RECORDATION CERTIFICATE: Contractor shall upon receipt of executed contract, financial assurance documents and purchase order, record contract and financial assurance documents with the Clerk of Court in the parish in which the work is to be performed, obtain a Certificate of Recordation from the Clerk of Court and forward this certificate immediately to the Department of Energy and Natural Resources. This certificate must be received before any invoices on this project can be processed. The expense for this is the responsibility of the contractor.

PAYMENT: Upon satisfactory completion of the work, the Contract Price shall be paid to the contractor minus the retainage (10% of Contract Price for projects $\leq$ $500,000 and 5% of Contract Price for projects > $500,000).

ACCEPTANCE: Upon completion of the work of the satisfaction of the Department of Energy and Natural Resources, a Notice of Acceptance of Work will be executed by the Department of Energy and Natural Resources and forwarded to the contractor for recording with the Clerk of Court in the parish in which the work has been performed. Contractor shall furnish to the Department of Energy and Natural Resources a Clear Lien Certificate from the Clerk of Court (to the owner along with final invoice) forty-five (45) days after recordation of acceptance. Upon receipt, final payment of the retainage will be made.

CONFLICT OF INTEREST: No employee, officer, or agent of the Contractor shall participate in selection, or in the award or administration of a contract if a conflict of interest, real or apparent, would be involved. Such a conflict would arise when:

a. The employee, officer, board member or agent;
b. Any member of his immediate family;
c. His or her partner, or
d. A corporation which employs, or is about to employ one of the above, has a financial or other interest in the firm selected for award.

The Contractor's officers, employees or agents shall neither solicit nor accept gratuities, favors or anything of monetary value from contractors, potential contractors, or parties of sub agreements.

The Contractor's code or standards of conduct must include procedures for identifying and preventing real and apparent organizational conflicts of interest. An organizational conflict of interest exists when the nature of the work to be performed under a proposed third party contract or sub agreement may, without some restrictions on future activities, result in an unfair competitive advantage to the third party contractor or sub recipient or impair its objectivity in performing the contract work. The Contractor shall disclose to the Department of Energy and Natural Resources any known or reasonably knowable conflicts of interest.

NON-DISCRIMINATION: The Department of Energy and Natural Resources does not discriminate on the basis of race, color, gender, pregnancy, age, religion, nation origin, veteran's status, military service, political affiliation or disability, and require its contractors, subcontractors and suppliers to comply with this commitment.

MINORITY/WOMAN OWNED: If your organization is a Minority or Woman-Owned Enterprise, please send supporting documentation. This information is required for the purpose of reporting to Federal Funding Agencies. Send info to:

Department of Energy and Natural Resources
Fiscal Section, Attn: Tammy Davis
P.O Box 44277
Baton Rouge, LA 70804
or email: tammy.davis3@la.gov

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Section 1

INTRODUCTION

The Louisiana Department of Natural Resources (LDNR) needs seventeen wells abandoned and one facility removed in Lake Raccourci, Lafourche Parish. This project is subject to jurisdiction of the Lafayette District Office.

Enclosed in this bid document are instructions to the bidders and other information pertaining to these sites.

Section 2

INSTRUCTIONS FOR BIDDERS/CONTRACTORS

1. The bid price shall be submitted as a **LUMP SUM** quote for the complete scope of work including, but not limited to:

   - Management / Supervision
   - Personnel
   - Equipment
   - Engineering
   - Mobilization and demobilization
   - Logistics relating to personnel, equipment, or any other costs associated with support services
   - Materials and supplies
   - Weather and local interference

2. Bidders are to note that their lump sum bid shall be inclusive of any and all qualifications, clarifications, and/or exceptions the bidder may have. **Any qualifications, clarifications, or exceptions may disqualify the bid.**

3. All third party services utilized, equipment rented, or expendables used shall be paid directly by the contractor and included in the contractor's lump sum bid price.

4. Bidders shall take into account all salvage value on any equipment in their lump sum bid price. Additionally, bidders shall separately identify and place a value on each piece of salvage equipment on a well by well basis. The Department of Natural Resources will only assume the recovery of that surface equipment present on the site at the time of the site visit. Casing and tubing documented for each well in Section 7 under the heading of General Information will be assumed to be present but not guaranteed recoverable or saleable, therefore no value should be attributed to it. Any bidder who places a salvage value on such tubulars shall be solely responsible for recovery and merchantability thereof. The recovery of casing, tubing, pumps, sucker rods, packers, tubing hangers, and other downhole equipment is not warranted. All attempts to retrieve casing from the well must be done in accordance with the requirements contained in Item No. 26 of this Section. **NOTE: The contractor shall dispose of all salvaged equipment.**

5. If a lienor requests a hearing, and it is there determined that the salvage value exceeds the cost to restore the site, LDNR reserves the right to cancel any contract under which it does not receive from the contractor adequate funds to be paid to such lienor.

6. **Bidders shall submit the name, address, phone number, Federal Tax ID number, and a description of the nature of the work for each proposed subcontractor.**

7. **LDNR does not have a contractual relationship with any subcontractors**. LDNR is not obligated to pay or see that a subcontractor is paid for the work he performs. The contractor is responsible for their subcontractors' acts or omissions.
8. Bidders are notified that no explosives shall be allowed while carrying out the scope of work, with the exception of down hole perforating or down hole tubular cutting requirements.

9. **Bidders shall submit their detailed proposed procedures to carry out the scope of work contained in this bid document.** Failure to do so may result in the bid being rejected.

10. Contractor is responsible for all mobilization and demobilization of personnel, equipment, materials, and supplies.

11. The contractor shall be responsible for the planning and execution of all site restoration and removals described in the scope of work.

12. The contractor shall be responsible for making their representatives and subcontractors familiar with the site conditions within the scope of work.

13. The contractor shall be responsible for **removing, testing, transporting, and disposing** of all hazardous and nonhazardous **oilfield waste**, equipment, and scope of work materials in a manner that complies with all federal, state, and local regulations.

14. The contractor shall at all times keep the premises free from accumulations of waste materials and debris. If any materials are determined to be hazardous, removal and proper disposal according to the Department of Environmental Quality standards is the responsibility of the contractor.

15. **No work outside the scope of the bid award may be performed unless approved by Change Order**. See **Section 3** for change order procedures.

16. **Prior to commencement of work**, the successful bidder shall obtain all applicable work permits to perform the scope of work from the appropriate District Office. Any and all saltwater disposal wells included in the P&A package must be permitted through the Injection and Mining Division of the Office of Conservation. **The successful bidder shall notify the appropriate District Office in writing at least 24 hours prior to commencement of work.** Failure to notify the District Office shall result in a $500.00 penalty to the successful bidder.

17. The **contractor shall be responsible for notifying the site landowners and/or lease holders and** the **landowners and/or lease holders of any property used for ingress and egress** prior to the commencement of work. You must fill out the **landowner affidavit form** that will be provided with the contracts when a bid is awarded. The forms must be sent to the district with final paperwork once a job is complete (This may not always be possible, but a good faith effort must be made). The contractor shall notify the landowners at least 24 hours prior to commencement of work; however, acquisition of rights-of-way is unnecessary because the Act authorizes entry on land of another by the Secretary or his agents for site assessment or restoration.

18. If the contractor **fails to commence work** within the time specified in the "Notice to Proceed", the contractor may either be assessed a penalty of ½ % of the contract amount for each day work has not commenced or the bid will be awarded to the next low bidder. This will be at the discretion of LDNR. The dollar amount of the penalty shall be deducted from the 90% payment once the project is complete.

19. **Once the work commences, there shall not be more than a 24 hour lapse in work without the written consent of the Commissioner of Conservation**; with the exception of Saturdays and Sundays if the contractor does not plan to work weekends. If an unauthorized lapse of 24 hours or more occurs, the contractor shall be assessed a penalty of ½ % of the contract amount for each day work is not being performed. The dollar amount of the penalty shall be deducted from the 90% payment once the project is complete.
20. **Unless an extension is authorized** by the Commissioner of Conservation, if a contractor **fails to complete** the project by the completion date stated in the "Notice to Proceed", the contractor shall be assessed a

penalty of ½ % of the contract amount for each day beyond the completion date until the job is satisfactorily completed. The dollar amount of the penalty shall be deducted from the 90% payment once the project is complete.

21. Once the project has begun, the **contractor shall be responsible for submitting a daily report** on all work performed. These reports shall be submitted **to both the Baton Rouge and appropriate District Office by email or fax each morning** by 9:00 AM for the work performed the preceding day. A copy of the daily report form to be used will be provided before the job starts.

22. All **well plug and abandonments and pit closures** shall be performed in accordance with LAC 43:XIX.Subpart 1 (**Statewide Order No. 29-B)** and all other federal, state, and local regulations applicable to this work, unless otherwise stated. The bidders are responsible to be aware and knowledgeable of all such regulations and to follow them accordingly. The successful bidder shall be required to obtain all permits from the applicable state and federal regulatory agencies necessary to complete the scope of work for this project. Any and all saltwater disposal wells included in the P&A package must be permitted through the Injection and Mining Division of the Office of Conservation.

23. All **cement plugs** placed in the wellbore(s) during plugging operations, unless otherwise required in **Section 7**, shall be blended neat slurries composed of API Class A or H cement, and having a minimum density of 15.6 pounds per gallon. API Class A cement may not be used in plugs placed at depths greater than 6000'. Dry and blended surface samples shall be provided to CES agent if requested.

24. All wells, when drilling or running or pulling casing or tubing, shall be equipped with hydraulically operated blow out preventers (BOP) equipped with both blind rams and pipe rams equipped with the proper size elements for the pipe being run. Annular or bag type (hydril) preventers may be substituted for the pipe rams. The BOP stack shall also allow full-bore access to the casing below. Unless otherwise stated, the BOP stack shall be rated to a minimum 3,000 psi working pressure.

25. **If casing is to be cut and removed** from the wellbore during plug and abandonment activity, a cast iron bridge plug (CIBP) shall be placed inside the casing to be cut, prior to cutting, 100' below the proposed cut depth. After the casing is removed, a bit and scraper run will be made to the top of the cut casing stub. A cement plug shall be placed in the wellbore from the CIBP to a depth 100' above the depth of the cut made on the casing. If the casing immediately inside the surface casing is to be cut, it may not be cut any deeper than a point at least 50' above the shoe of the surface casing.

26. **Land locations:** All production equipment shall be removed and locations shall be restored to natural grade and seeded with grass common to the area. All oil contaminated dirt shall be removed and properly disposed of. Clean replacement or fill dirt (with properly documented analysis for contamination and NORM) shall be brought in to insure location is returned to its natural grade.

27. Contractor is responsible for leaving site access ways in equal or better condition than prior to initiation of site restoration activity.

28. **Any pit constructed by the contractor** shall be registered with the Office of Conservation, Baton Rouge Office, by submitting a **Form UIC-15** as required by LAC 43:XIX.305.D. Contractor shall be required to close any such pit constructed in accordance with LAC 43:XIX.311 and 313.

29. Post-closure soil sample analyses shall also be performed on **all production facility containment areas closed** and shall also comply with the requirements set forth in LAC 43:XIX.311 and 313. For sampling purposes, pits and facility containment areas are to be divided into a thirty foot by thirty foot grid pattern with representative samples taken from each grid. Subsurface sampling intervals for facilities may be adjusted at a site to accommodate site-specific information on subsurface contaminant distributions and in such cases will be included within the scope of work. Please note that all analytical tests submitted must be

performed by Department of Environmental Quality (LDEQ) Louisiana Environmental Laboratory Accreditation Program (LELAP) accredited laboratories. Further, the laboratories must be accredited for each parameter and corresponding method referenced in the Department of Natural Resources (LDNR) lab manual entitled "Laboratory Procedures for Analysis of Exploration & Production Waste". Samples **MUST** be collected by the accredited Laboratory. A copy of chain of custody documentation must be included with Final Paperwork. Failure to submit custody documentation will delay project payment.

30. Upon completion of the project, contractor shall also file with the Office of Conservation, Baton Rouge Office, **Form ENG-16, Oilfield Waste Disposition**, indicating the disposition of all waste generated during the site restoration work. Copies of waste shipping manifests are required for all wastes transported off site for disposal.

31. It is the responsibility of the contractor while at the site visit to observe the condition of the wellhead and select the means by which entry into the tubing and casing strings can be accomplished. The contractor shall include in the bid price all costs associated with this operation, such as the need for additional valves, hot taps, etc.

32. In the event the project becomes lengthy, partial payments will be considered on a case by case basis. The same procedure for final payment will be followed.

33. Upon completion of the project, the **contractor shall complete Form P&A** and **Form WH-1** on each well plugged and abandoned and shall file same with the appropriate District Office. Additionally, contractor shall also submit any required pit closure data to the appropriate District Office.

34. Bidders may attend the bid opening, but no information or opinions concerning the ultimate contract award will be given at the bid opening or during the evaluation process. Bids may be examined after 72 hours of the bid opening. Information pertaining to completed files may be secured by visiting the Department of Natural Resources during normal working hours. Written bid tabulations will not be furnished unless requested.

35. **Information in this document** was obtained from Office of Conservation well files and site inspections performed by Office of Conservation personnel; however, because the Office of Conservation does not warrant this information as accurate, bidders are responsible for verifying all well information, pit dimensions, waste volumes, equipment, and other site specific conditions. Bidders shall have the opportunity to gather information by attending a **mandatory site visit** as outlined on Page 2, herein. **Only bidders attending the site visit shall be allowed to bid on this project**. LDNR shall also allow the successful bidder to make pre-job inspection trips.

36. Should it be determined at any time during site restoration work that a well or site conditions vary significantly from those described in the bid proposal, the LDNR reserves the right to delete the site from the project and compensate the contractor for work performed up to the point the site was omitted from the project. This compensation shall be negotiated in good faith between the contractor and LDNR based upon reasonable industry standards or charges. In the event the price cannot be agreed upon, the Commissioner shall set a fair price for the work and materials at issue and his decision shall be binding upon all parties concerned.

37. Contractor agrees to indemnify and hold harmless LDNR from all liabilities and cost of defense obligations resulting from acts of negligence by the Contractor.

38. The role of the LDNR personnel during the site restoration work is to ensure that work is being performed in accordance with the approved scope of work. **LDNR personnel are not to provide any type of guidance**

or direction to the contractor or the contractor's subcontractors regarding the routes of ingress or egress to/from the wellsite.

39. Contractors shall be responsible to ensure safe operations at all times and shall provide the proper materials, labor and equipment to safely perform the scope of work contained in this bid document. As the job requires, personal protective equipment for hearing, face, head, respiratory protection and fall protection shall be considered for use to protect personnel. Personnel and subcontractors should be properly trained in relation to their job duties. Additionally, pre-job safety meetings that include all affected personnel, including subcontractors, should be held to review responsibilities for the operations to be performed. Suitable fire-extinguishing equipment shall be on site during all operations. Telephone numbers, location, and other relevant information pertaining to availability of medical personnel, transportation, and medical facilities shall be available and a first aid kit shall also be on location. Any unsafe act/practice observed by an agent of the Office of Conservation during scope of work activities may result in the immediate cessation of work activities.

40. Any **questions relating to this bid** shall be submitted in writing to Roby Fulkerson at P.O. Box 94275, Baton Rouge, LA 70804, email (roby.fulkerson@la.gov) or (casandra.parker@la.gov) or fax number 225-342-2584 by no later than 4:30 p.m., five consecutive days after the site visit. No other questions shall be allowed or answered after this time, without exception.

Section 3

CHANGE ORDER PROCEDURES

A Change Order consists of additions, deletions, or other revisions to the scope of work and may berequested or initiated by the contractor or LDNR. All requests for a Change Order shall be submitted in writing by the Contractor outlining specific factual conditions necessitating issuance of a Change Order. Oral communication shall not be acceptable except in the case of an emergency where the proposed work must be performed immediately. No work relating to the requested Change Order shall be performed without a properly executed Change Order signed by the Commissioner of Conservation or in the eventof an emergency verbal authority being granted by the Commissioner.

The Change Order shall be a lump sum quote to perform work that deviates from the specific procedures submitted inItem 4(a) of Section 5 necessary to complete the project. The Change Order quote shall include all costs necessaryto complete the work covered by the Change Order, including all standby charges incurred during the Change Order approval process. Except in the case of an emergency, three (3) detailed quotes must be attached to the Change Order for each new subcontractor to be employed (i.e. any subcontractor that was not included or identified in the original bid) and the contractor must provide detailed justification for selecting a subcontractor which does not have the lowest quote for a required service.

Except in the event of an emergency, the scope of work and if applicable the price, be it lump sum or timeand material with a not to exceed figure, shall be entered on the Change Order form. In the event of an emergency,the contractor shall schedule a meeting with the Commissioner at the earliest possible time to discuss and agree upon a price for this change in work. Once a price is agreed upon, an Emergency Change Order shall be completedand signed by the Commissioner. In the event the price cannot be agreed upon, the Commissioner shall set a fairprice for the work and materials at issue and his decision shall be binding upon all parties concerned.

Claims for extra compensation by the Contractor shall not be recognized and shall not be valid unless theContractor has in his possession prior to the work being performed a properly executed Change Order form givinghim the authorization to proceed with the extra work.

Section 4 **DEFINITIONS**

1. PROCEDURES: A detailed description of the work plan by which the contractor intends to carry out the scope of work.

2. LUMP SUM: A firm and inflexible quote that should allow for any unforeseen conditions that may alter or change the projected intent, the like of, but not limited to: procedures, schedules, methods, equipment, personnel, materials, and logistics.

3. THE WORK: The scope of work described in this bid document and included in the lump sum price.

4. CONTRACTOR: The successful bidder of a specific project.

5. CONFIRMATORY CLEAN SOIL SAMPLE: A homogenous, representative soil sample taken at the excavated surface of any pit or production facility containment area in which the pre-closure soil analysis provided by LDNR did not meet LAC 43:XIX.311 and 313 closure requirements.

6. ORPHAN WELL: A well which has been orphaned pursuant to the provisions of R.S. 30:80 et seq.

7. TANK BATTERY: An area allocated in the general proximity to well sites for the purpose of containing hydrocarbons and produced water in storage tanks. It is normally bordered by containment dikes/levees. A tank battery may or may not have existing storage tanks.

8. PITS: A natural topographic depression or man made excavation used to hold produced water or other E&P waste. See LAC 43:XIX.301 et seq. (Oilfield Pit Regulations)

9. SITE: The confines established for a specific well or group of wells and associated pits, tank batteries, and facilities.

10. SUBCONTRACTOR: Any individual, firm, partnership, corporation, or combination of the two or more firms or corporations acting jointly, that are bound contractually to the contractor to perform portions of this work.

11. COMMENCEMENT OF WORK: Physically and actively performing the scope of work contained in the bid document, such as closing a pit or plugging a well. This definition does not include moving equipment on to the location or “visiting” the location.

12. FACILITY: The aggregate of vessels, separators, heaters, tanks, treaters, etc. (commonly referred to as production equipment), utilized in the producing and processing of effluents from a well.

13. PLUG AND ABANDON: The date the well is cut and capped, or casing is cut at specified depth below mud line.

14. BOP TEST: This test is to verify the good working condition of the BOP. The hydraulic closure system on the preventers must be operational at all times. Pressure test to qualify integrity of BOP body, connection to wellhead, and seal of blind or pipe ram elements. A retest is required each time the BOP stack is removed and subsequently reinstalled on the well.

Section 5

INFORMATION BIDDERS ARE REQUIRED TO SUBMIT WITH BID PROPOSAL

1. This entire bid package.

2. Any addendum(s) related to this bid proposal.

3. Alternate procedures will not be accepted.

4. Contractor shall provide a **project schedule** outlining the following:

   (a) **Specific procedures** that he will perform in order to carry out the scope of work on the wells.

   (b) The number of **days expected to complete the work** on the wells and pits.

   (c) **Description of workday** hours and work week (ex. Monday thru Friday).

5. List of **subcontractors**. **(Section 2.6)**

6. **List of equipment** to be used on this project. All equipment brought to location shall be pretested and in good working condition and shall be rated to handle work anticipated based on depth and procedures.

7. **List of personnel** required to perform the scope of work.

8. Completed breakdown of lump sum total worksheet included in this bid document **(Section 8)**.

9. Only the successful bidder will be required to submit a **current insurance certificate** at the time the bid is awarded. The certificate shall meet the requirements outlined in **Attachment 'A'** and shall reference the bid proposal number.

Section 6

MINIMUM EQUIPMENT REQUIREMENTS

The equipment requirements cited in this section shall be only the minimum requirements for the basic equipment packages used in performing the scope of work for the restoration of each of the sites contained in the bid. It remains the contractor's responsibility to include in the bid all other tools and equipment necessary to complete the scope of work.

PLUGGING EQUIPMENT

A. Rig – Workover rig capable of plugging wells in this bid package. The rig package shall include a minimum of a four (4) man crew plus tool pusher, power tongs, weight indicator, and all handling tools as needed for tubing sizes; work string, and "small diameter" pipe. Rig must be able to pull doubles (66').
   a. Tubing pull is required as per procedure.

B. Hydraulically actuated blowout preventers rated to a minimum 10,000 psi working pressure.
   a. Includes annular, pipe, and blind rams.
   b. Cross overs required to nipple BOP's to wellheads.

C. Full opening pressure safety valve rated to a minimum 10,000 psi working pressure (internal and external rating).

D. Circulating pump capable of pressuring up and circulating to 10,000 psi at 3 barrels per minute minimum. All connections in the line from the pump to wellhead shall also be rated to 10,000 psi.

E. Circulating tank should be no less than 500 bbls.

F. Sufficient length of EUE work string drifted, tested and certified to have less than 12.5% maximum body wall loss (white band) and "small diameter" pipe.

G. Normal fishing tools required to retrieve tubing. For example: overshot(s), grapple(s), spear(s), paint/material to find hole in tubing.

H. Wireline and/or slick line.

FACILITY REMOVAL EQUIPMENT

A. All heavy duty equipment necessary for removal, included but not limited to;
   i. Cranes
   ii. Barges
   iii. Fluid Handling

B. Offshore wells will require site clearance.

Serial #	221566				LAT		29 15 54.1		
Field	Lake Raccourci				LONG		90 20 18.2		
Location	Water				USDW		6200.00		
Parish	Lafourche				Directional		No		
Wellbore Components									
Type	Size (in)	Hole Size	ID	Top Depth (ft)	Bottom Depth (ft)	Weight (lb/ft)	Test (psi)	Cement Volume (sks)	Cement Top (ft) w/ 50% WO
Casing	16			0	258				258
Casing	10.75	13.5	10.050	0	2,450	40.5	1000	1,200	140
Casing	7.625	9.875	6.765	0	13,128	33.7	1500	1,800	7,260
Casing	5.5	6.5	4.778	12,909	13,750	20	1500	500	8,402
Casing	5.5	6.5	4.670	8,192	12,909	23	6000	430	
Packer					8,108				
Packer					11,790				
Perforations				11,244	11,250				
Tubing	2.875			0	11,006				

PROCEDURES

- ***All Cement plugs shall be blended API cement. Class 'A' cement to be utilized from 0-ft-6,000-ft and Class 'H' cement from 6,000-ft-Total Depth of Well. A minimum density of 15.6 ppg is required on all slurries. Accelerator additives as required to minimize time waiting on cement. Dry and blended cement samples shall be provided to CES agent if requested.***
- ***Contractor must provide absorbent and/or containment booms to contain any sheen that might be generated by the removal operations.***

1. Remove debris from well area. Make necessary repairs on wellhead. Install blow out preventers and test. Verify that the hydraulic closure system is operational at all times. Check well pressure on tubing and casing. Kill well if necessary. Establish injection rates and pressure in the tubing. Monitor casing pressure during injection or if necessary, pressure up on casing to determine tubing and casing integrity. Pressure test all casing strings and annuli to 300 psi. Note*: Report all rates and pressures to Lafayette District Office.
2. Rig up wireline and make gauge run to 8,208-ft.
3. Mix and pump 130-sacks of cement and squeeze the perforations leaving the TOC at 10,500-ft. WOC 4 hours. Tag cement and pressure test tubing to 300 psi.
4. Cut tubing above production packer at 8,100-ft. Establish circulation. Displace wellbore with 9.0 ppg fluid. Lay down tubing or utilize for cementing string.
5. Circulate a 400-ft cement plug (90 sack) from 6,800-ft – 7,200-ft. Pull above plug. Wait on cement 4 hours. Tag cement plug and pressure test to 300 psi.
6. Pull out and pick up cast iron bridge plug with perforation guns below. Run in hole and set plug at 2,400-ft. Perforate 7-5/8-in casing and attempt to establish circulation up the 7-5/8-in x 10-3/4-in casing annulus.
7. Circulate 300-ft (60 sacks) of cement between the 7-5/8-in x 10-3/4-in casing annulus. Unstring from plug and set a 300-ft (60 sack) cement plug above the plug.
8. Pull out of hole and lay down work string.
9. Cut and pull 7-5/8-in from 210-ft. Place 10-3/4-in bridge plug at 200-ft. Spot 175-ft cement plug (80 sack) on top of bridge plug. Tag plug at surface.
10. Verify 10-3/4-in x 16-in casing annulus is full, if not top off. Verify all casing string annuli full to surface, if not top off.
11. Cut and pull all casing strings 15-ft below mud line. Remove and dispose of all equipment, material, and debris associated with the past operation of this well and plugging activity.
12. Perform Site Clearance and Verification Survey. Site must pass survey (method approved by Inspection and Enforcement). (See Section 2, Item 28).
13. Restore any damage caused by P&A operations on the site and access route to well location and restore any bottom damage caused by removal operations.

Well Name	LR CIB 21 A1 RA SU;SL 1450 #006 and #006-D				Operator		Shoreline		
Serial #	112699 & 135461				LAT		29 16 2.4		
Field	Lake Raccourci				LONG		90 20 59.8		
Location	Water				USDW		118.00		
Parish	Lafourche				Directional		No		
Wellbore Components									
Type	Size (in)	Hole Size	ID	Top Depth (ft)	Bottom Depth (ft)	Weight (lb/ft)	Test (psi)	Cement Volume (sks)	Cement Top (ft) w/ 50% WO
Casing	20			0	180	94.5			180
Casing	13.375	18.5	12.615	0	3,011	54.5	1200	1,600	1,754
Casing	9.625	12.25	8.755	0	13,173	43.5	1500	2,760	7,004
Casing	7	9.625	6.184	0	14,743	29	1200	650	12,831
Packer					12,240				
Perforations				12,478	12,766				
Tubing	2.875			0	12,254				

PROCEDURES

- ***All Cement plugs shall be blended API cement. Class 'A' cement to be utilized from 0-ft-6,000-ft and Class 'H' cement from 6,000-ft-Total Depth of Well. A minimum density of 15.6 ppg is required on all slurries. Accelerator additives as required to minimize time waiting on cement. Dry and blended cement samples shall be provided to CES agent if requested.***
- ***Contractor must provide absorbent and/or containment booms to contain any sheen that might be generated by the removal operations.***

1. Remove debris from well area. Make necessary repairs on wellhead. Install blow out preventers and test. Verify that the hydraulic closure system is operational at all times. Check well pressure on tubing and casing. Kill well if necessary. Establish injection rates and pressure in the tubing. Monitor casing pressure during injection or if necessary, pressure up on casing to determine tubing and casing integrity. Pressure test all casing strings and annuli to 300 psi. Note*: Report all rates and pressures to Lafayette District Office.
2. Rig up wireline and make gauge run to 12,254-ft.
3. Mix and pump 100-sacks of cement and squeeze the perforations leaving the TOC at 12,254-ft. WOC 4 hours. Tag cement and pressure test tubing to 300 psi.
4. Cut tubing above production packer at 12,200-ft. Establish circulation. Displace wellbore with 9.0 ppg fluid. Lay down tubing or utilize for cementing string.
5. Circulate a 500-ft cement plug (90 sack) from 11,700-ft – 12,200-ft. Pull above plug. Wait on cement 4 hours. Tag cement plug and pressure test to 300 psi.
6. Cut and pull tubing to 7,000-ft. Circulate a 500-ft cement plug (90 sack) from 6,500-ft – 7,000-ft. Pull above plug. Wait on cement 4 hours. Tag cement plug and pressure test to 300 psi.
7. Pull out and pick up cast iron bridge plug with perforation guns below. Run in hole and set plug at 2,900-ft. Perforate 7-in casing and attempt to establish circulation up the 7-in x 9-5/8-in casing annulus.
8. Circulate 300-ft (50 sacks) of cement between the 7-in x 9-5/8-in casing annulus. Unstring from plug and set a 300-ft (40 sack) cement plug above the plug.
9. Squeeze 100-sacks of cement down 9-5/8-in x 13-3/8-in casing annulus. Leave top of cement at 2,600-ft. Wait 4 hours and pressure test cement to 300 psi.
10. Pull out of hole and lay down work string.
11. Cut and pull 7-in from 210-ft. Place 9-5/8-in bridge plug at 200-ft. Spot 175-ft cement plug (60 sack) on top of bridge plug. Tag plug at surface.
12. Verify 9-5/8-in x 13-3/8-in casing annulus is full, if not top off. Verify all casing string annuli full to surface, if not top off.

13. Cut and pull all casing strings 15-ft below mud line. Remove and dispose of all equipment, material, and debris associated with the past operation of this well and plugging activity.
14. Perform Site Clearance and Verification Survey. Site must pass survey (method approved by Inspection and Enforcement). (See Section 2, Item 28).
15. Restore any damage caused by P&A operations on the site and access route to well location and restore any bottom damage caused by removal operations.

Well Name	LR SP 7A RA NVU;SL 1450 #003, #003-T, #003-D				Operator		Shoreline		
Serial #	150877, 150879, 150878				LAT		29 16 3.6		
Field	Lake Raccourci				LONG		90 20 25.7		
Location	Water				USDW		118.00		
Parish	Lafourche				Directional		No		
Wellbore Components									
Type	Size (in)	Hole Size	ID	Top Depth (ft)	Bottom Depth (ft)	Weight (lb/ft)	Test (psi)	Cement Volume (sks)	Cement Top (ft) w/ 50% WO
Casing	20			0	203				203
Casing	13.375	17.5	12.615	0	2,975	54.5	1200	2,800	153
Casing	3.5	12.25	2.992	0	12,921	9.3	5000	2,600	10,499
Perforations				11,926	11,934				
Perforations				12,357	12,380				
Perforations				12,840	12,854				

PROCEDURES

- ***All Cement plugs shall be blended API cement. Class 'A' cement to be utilized from 0-ft-6,000-ft and Class 'H' cement from 6,000-ft-Total Depth of Well. A minimum density of 15.6 ppg is required on all slurries. Accelerator additives as required to minimize time waiting on cement. Dry and blended cement samples shall be provided to CES agent if requested.***
- ***Contractor must provide absorbent and/or containment booms to contain any sheen that might be generated by the removal operations.***

1. Remove debris from well area. Make necessary repairs on wellhead. Install blow out preventers and test. Verify that the hydraulic closure system is operational at all times. Check well pressure on tubing and casing. Kill well if necessary.
2. Establish injection rates and pressure in the tubing. Monitor casing pressure during injection or if necessary, pressure up on casing to determine tubing and casing integrity. Pressure test all casing strings and annuli to 300 psi. Note*: Report all rates and pressures to Lafayette District Office.
3. Run in tubing with gauge ring on all three strings.
    a. Run in to 11,900-ft on all three tubing strings. Verify tubing integrity
4. Run in hole and set TTBP at 11,900-ft on all three strings. Dump bail 50-ft of cement above each plug. Wait on cement 4 hours, tag cement and pressure test to 300-psi.
5. Cut and pull all tubing strings from 2,900-ft.
6. Run cast iron bridge plug and perforation guns to 2,850-ft. Set cast iron bridge plug at 2,850-ft. Set 300-ft (220-sacks) of cement above cast iron bridge plug. Wait on cement 4 hours. Pressure test to 300-psi and tag cement top.
7. Set 13-3/8-in cement retainer at 200-ft. Perforate 10-3/4-in casing at 195-ft. Set 175-ft (130-sacks) of cement above cast iron bridge plug. Verify 13-3/8-in by drive pipe annulus is full, if not top off.
8. Complete removing remaining casing 15-ft BML.
9. Remove and dispose of all equipment, material, and debris associated with the past operation of this well and plugging activity.
10. Perform Site Clearance and Verification Survey. Site must pass survey (method approved by Inspection and Enforcement). (See Section 2, Item 28).
11. Restore any damage caused by P&A operations on the site and access route to well location and restore any bottom damage caused by removal operations.

Well Name	SL 1450 #001 and #001-D	Operator	Shoreline
Serial #	221461 and 222051	LAT	29 15 59
Field	Lake Raccourci	LONG	90 20 19.1
Location	Water	USDW	500.00
Parish	Lafourche	Directional	No

Wellbore Components

Type	Size (in)	Hole Size	ID	Top Depth (ft)	Bottom Depth (ft)	Weight (lb/ft)	Test (psi)	Cement Volume (sks)	Cement Top (ft) w/ 50% WO
Casing	16			0	251				251
Casing	10.75	13.5	10.050	0	2,460	40.5	1000	1,450	-331
Casing	7.625	9.875	6.969	0	12,925	33.7	1000	2,200	5,753
Packer					11,261				
Packer					11,533				
Perforations				11,371	11,384				
Perforations				11,806	11,834				
Tubing	2.375			0	10,110				

PROCEDURES

- ***All Cement plugs shall be blended API cement. Class 'A' cement to be utilized from 0-ft-6,000-ft and Class 'H' cement from 6,000-ft-Total Depth of Well. A minimum density of 15.6 ppg is required on all slurries. Accelerator additives as required to minimize time waiting on cement. Dry and blended cement samples shall be provided to CES agent if requested.***
- ***Contractor must provide absorbent and/or containment booms to contain any sheen that might be generated by the removal operations.***

1. Remove debris from well area. Make necessary repairs on wellhead. Install blow out preventers and test. Verify that the hydraulic closure system is operational at all times. Check well pressure on tubing and casing. Kill well if necessary.
2. Establish injection rates and pressure in the tubing. Monitor casing pressure during injection or if necessary, pressure up on casing to determine tubing and casing integrity. Pressure test all casing strings and annuli to 300 psi. Note*: Report all rates and pressures to Lafayette District Office.
3. Run in tubing with gauge ring on both strings.
    b. Run in to 11,553-ft on long string. Verify tubing integrity
    c. Run in to 11,261-ft on short string. Verify tubing integrity.
4. Establish injection into long string, squeeze perforations leaving top of cement at 11,553-ft (50 sacks of cement). Wait on cement four hours. Tag and pressure test cement to 300 psi.
5. Establish injection into short string, squeeze perforations leaving top of cement at 11,261-ft (50 sacks of cement). Wait on cement four hours. Tag and pressure test cement to 300 psi.
6. Cut and pull both tubing strings at 11,200-ft.
7. Run in hole with work string and set 500-ft cement plug from 10,700-ft – 11,200-ft (115 sacks). Wait on cement 4 hours. Pressure test to 300-psi and tag cement plug.
8. Pull out of hole.
9. Run cast iron bridge plug and perforation guns to 2,300-ft. Set cast iron bridge plug at 2,300-ft and perforate at +/- 2,350-ft. Establish injection into 7-5/8-in x 10-3/4-in casing annulus.
10. Circulate/Squeeze a 300-ft (60 sacks) of cement from 2,600-ft – 2,900-ft into 7-5/8-in x 10-3/4-in annulus. Unstring from cast iron bridge plug, and set 300-ft (70 sacks) of cement above cast iron bridge plug.
11. Cut and pull 7-5/8-in casing from 210-ft. Set 10-3/4-in cement retainer at 200-ft. Set a cement plug from 20-ft BML to 195-ft (80 sack) in the 10-3/4-in casing. Wait on cement four hours. Tag and pressure test cement plug.
12. Verify 10-3/4-in by drive pipe annulus is full, if not top off.

13. Complete removing remaining casing 15-ft BML.
14. Remove and dispose of all equipment, material, and debris associated with the past operation of this well and plugging activity.
15. Perform Site Clearance and Verification Survey. Site must pass survey (method approved by Inspection and Enforcement). (See Section 2, Item 28).
16. Restore any damage caused by P&A operations on the site and access route to well location and restore any bottom damage caused by removal operations.

Well Name	LR CIB 32A 8 RA SU;SL 1451 #001 and #001-D	Operator	Shoreline
Serial #	223020 and 223434	LAT	29 15 53.6
Field	Lake Raccourci	LONG	90 20 8
Location	Water	USDW	130.00
Parish	Lafourche	Directional	No

Wellbore Components

Type	Size (in)	Hole Size	ID	Top Depth (ft)	Bottom Depth (ft)	Weight (lb/ft)	Test (psi)	Cement Volume (sks)	Cement Top (ft) w/ 50% WO
Casing	16			0	251				251
Casing	10.75	13.5	10.050	0	2,400	40.5	1000	1,030	418
Casing	7.625	9.875	6.969	0	13,068	33.7	1000	2,200	5,896
Packer					11,699				
Packer					12,270				
Perforations				11,756	11,768				
Perforations				12,988	12,992				
Tubing	2.375			0	12,965				
Tubing	2.375			0	12,270				

PROCEDURES

- ***All Cement plugs shall be blended API cement. Class 'A' cement to be utilized from 0-ft-6,000-ft and Class 'H' cement from 6,000-ft-Total Depth of Well. A minimum density of 15.6 ppg is required on all slurries. Accelerator additives as required to minimize time waiting on cement. Dry and blended cement samples shall be provided to CES agent if requested.***
- ***Contractor must provide absorbent and/or containment booms to contain any sheen that might be generated by the removal operations.***

1. Remove debris from well area. Make necessary repairs on wellhead. Install blow out preventers and test. Verify that the hydraulic closure system is operational at all times. Check well pressure on tubing and casing. Kill well if necessary.
2. Establish injection rates and pressure in the tubing. Monitor casing pressure during injection or if necessary, pressure up on casing to determine tubing and casing integrity. Pressure test all casing strings and annuli to 300 psi. Note*: Report all rates and pressures to Lafayette District Office.
3. Run in tubing with gauge ring on both strings.
    d. Run in to 11,699-ft on long string. Verify tubing integrity
    e. Run in to 11,699-ft on short string. Verify tubing integrity.
4. Establish injection into short string, squeeze perforations leaving top of cement at 11,699-ft (25 sacks of cement). Wait on cement four hours. Tag and pressure test cement to 300 psi.
5. Cut and pull both tubing strings at 11,600-ft.
6. Run in hole with work string and set 500-ft cement plug from 11,100-ft – 11,600-ft (115 sacks). Wait on cement 4 hours. Pressure test to 300-psi and tag cement plug.
7. Pull out of hole to 7,000-ft. Set 500-ft cement plug from 6,500-ft – 7,000-ft (115 sacks). Wait on cement 4 hours. Pressure test to 300-psi and tag cement plug.
8. Run cast iron bridge plug and perforation guns to 2,300-ft. Set cast iron bridge plug at 2,300-ft and perforate at +/- 2,350-ft. Establish injection into 7-5/8-in x 10-3/4-in casing annulus.
9. Circulate/Squeeze a 400-ft (80 sacks) of cement from 1,900-ft – 2,300-ft into 7-5/8-in x 10-3/4-in annulus. Unstring from cast iron bridge plug, and set 300-ft (90 sacks) of cement above cast iron bridge plug.
10. Cut and pull 7-5/8-in casing from 210-ft. Set 10-3/4-in cement retainer at 200-ft. Set a cement plug from 20-ft BML to 195-ft (80 sack) in the 10-3/4-in casing. Wait on cement four hours. Tag and pressure test cement plug.

11. Verify 10-3/4-in by drive pipe annulus is full, if not top off.
12. Complete removing remaining casing 15-ft BML.
13. Remove and dispose of all equipment, material, and debris associated with the past operation of this well and plugging activity.
14. Perform Site Clearance and Verification Survey. Site must pass survey (method approved by Inspection and Enforcement). (See Section 2, Item 28).
15. Restore any damage caused by P&A operations on the site and access route to well location and restore any bottom damage caused by removal operations.

Well Name	LR SP 7 RA SU;SL 1450 #007			Operator		Shoreline		
Serial #	223044			LAT		29 16 8.8		
Field	Lake Raccourci			LONG		90 20 39.9 118		
Location	Water			USDW		118.00		
Parish	Lafourche			Directional		Yes		
Wellbore Components								
Type	Size (in)	Hole Size	ID	Top Depth (ft)	Bottom Depth (ft)	Weight (lb/ft)	Test (psi)	Cement Volume (sks)	Cement Top (ft) w/ 50% WO
Casing	16			0	216				216
Casing	9.625	12.25	8.835	0	2,975	40	1000	1,060	606
Casing	5.5	8.75	4.892	0	12,872	17	1000	1,700	8,160
Packer					11,900				
Perforations				12,108	12,144				
Tubing	2.875			0	11,900				

PROCEDURES

- ***All Cement plugs shall be blended API cement. Class 'A' cement to be utilized from 0-ft-6,000-ft and Class 'H' cement from 6,000-ft-Total Depth of Well. A minimum density of 15.6 ppg is required on all slurries. Accelerator additives as required to minimize time waiting on cement. Dry and blended cement samples shall be provided to CES agent if requested.***
- ***Contractor must provide absorbent and/or containment booms to contain any sheen that might be generated by the removal operations.***

1. Remove debris from well area. Make necessary repairs on wellhead. Install blow out preventers and test. Verify that the hydraulic closure system is operational at all times. Check well pressure on tubing and casing. Kill well if necessary. Establish injection rates and pressure in the tubing. Monitor casing pressure during injection or if necessary, pressure up on casing to determine tubing and casing integrity. Pressure test all casing strings and annuli to 300 psi. Note*: Report all rates and pressures to Lafayette District Office.
2. Rig up wireline and make gauge run to 11,900-ft.
3. Mix and pump 30-sacks of cement and squeeze the perforations leaving the TOC at 11,900-ft. WOC 4 hours. Tag cement and pressure test tubing to 300 psi.
4. Cut tubing above production packer at 11,800-ft. Establish circulation. Displace wellbore with 9.0 ppg fluid. Lay down tubing or utilize for cementing string.
5. Circulate a 500-ft cement plug (55 sack) from 11,300-ft – 11,800-ft. Pull above plug. Wait on cement 4 hours. Tag cement plug and pressure test to 300 psi.
6. Pull out of hole to 7,000-ft. Set 500-ft cement plug from 6,500-ft – 7,000-ft (55 sacks). Wait on cement 4 hours. Pressure test to 300-psi and tag cement plug.
7. Pull out and pick up cast iron bridge plug with perforation guns below. Run in hole and set plug at 2,900-ft. Perforate 5-1/2-in casing and attempt to establish circulation up the 5-1/2-in x 9-5/8-in casing annulus.
8. Circulate 300-ft (60 sacks) of cement between the 5-1/2-in x 9-5/8-in casing annulus. Unstring from plug and set a 300-ft (30 sack) cement plug above the plug.
9. Pull out of hole and lay down work string.
10. Cut and pull 5-1/2-in from 210-ft. Place 9-5/8-in bridge plug at 200-ft. Spot 175-ft cement plug (60 sack) on top of bridge plug. Tag plug at surface.
11. Verify 9-5/8-in x 16-in casing annulus is full, if not top off. Verify all casing string annuli full to surface, if not top off.
12. Cut and pull all casing strings 15-ft below mud line. Remove and dispose of all equipment, material, and debris associated with the past operation of this well and plugging activity.

13. Perform Site Clearance and Verification Survey. Site must pass survey (method approved by Inspection and Enforcement). (See Section 2, Item 28).
14. Restore any damage caused by P&A operations on the site and access route to well location and restore any bottom damage caused by removal operations.

Well Name	SL 1451 #002	Operator	Shoreline
Serial #	223234	LAT	29 15 44.3
Field	Lake Raccourci	LONG	90 20 8.7
Location	Water	USDW	118.00
Parish	Lafourche	Directional	Yes

Wellbore Components

Type	Size (in)	Hole Size	ID	Top Depth (ft)	Bottom Depth (ft)	Weight (lb/ft)	Test (psi)	Cement Volume (sks)	Cement Top (ft) w/ 50% WO
Casing	16			0	247				247
Casing	10.75	13.5	10.050	0	2,397	40.5	1000	1,030	415
Drill Pipe	4.5	9.875	2.812 - 3.826	0	10,623	16.6	900	950	9,045
Packer					9,833				
Perforations				9,998	10,006				
Tubing	2.0625			0	9,833				

Tubing in wellbore is 4-1/2-in drill pipe. MWD left in hole at 11,914-ft.

PROCEDURES

- ***All Cement plugs shall be blended API cement. Class 'A' cement to be utilized from 0-ft-6,000-ft and Class 'H' cement from 6,000-ft-Total Depth of Well. A minimum density of 15.6 ppg is required on all slurries. Accelerator additives as required to minimize time waiting on cement. Dry and blended cement samples shall be provided to CES agent if requested.***
- ***Contractor must provide absorbent and/or containment booms to contain any sheen that might be generated by the removal operations.***

1. Remove debris from well area. Make necessary repairs on wellhead. Install blow out preventers and test. Verify that the hydraulic closure system is operational at all times. Check well pressure on tubing and casing. Kill well if necessary. Establish injection rates and pressure in the tubing. Monitor casing pressure during injection or if necessary, pressure up on casing to determine tubing and casing integrity. Pressure test all casing strings and annuli to 300 psi. Note*: Report all rates and pressures to Lafayette District Office.
2. Rig up wireline and make gauge run to 9,833-ft.
3. Mix and pump 25-sacks of cement and squeeze the perforations leaving the TOC at 9,833-ft. WOC 4 hours. Tag cement and pressure test tubing to 300 psi.
4. Cut tubing above production packer at 9,800-ft. Establish circulation. Displace wellbore with 9.0 ppg fluid. Lay down tubing or utilize for cementing string.
5. Circulate a 400-ft cement plug (30 sack) from 9,400-ft – 9,800-ft. Pull above plug. Wait on cement 4 hours. Tag cement plug and pressure test to 300 psi.
6. Pull out of hole to 7,000-ft. Set 500-ft cement plug from 6,500-ft – 7,000-ft (35 sacks). Wait on cement 4 hours. Pressure test to 300-psi and tag cement plug.
7. Pull out and pick up cast iron bridge plug with perforation guns below. Run in hole and set plug at 2,300-ft. Perforate 4-1/2-in drill pipe and attempt to establish circulation up the 4-1/2-in x 10-3/4-in casing annulus.
8. Circulate 300-ft (100 sacks) of cement between the 4-1/2-in x 10-3/4-in casing annulus. Unstring from plug and set a 300-ft (25 sack) cement plug above the plug.
9. Pull out of hole and lay down work string.
10. Cut and pull 4-1/2-in from 210-ft. Place 10-3/4-in bridge plug at 200-ft. Spot 175-ft cement plug (80 sack) on top of bridge plug. Tag plug at surface.
11. Verify 10-3/4-in x 16-in casing annulus is full, if not top off. Verify all casing string annuli full to surface, if not top off.
12. Cut and pull all casing strings 15-ft below mud line. Remove and dispose of all equipment, material, and debris associated with the past operation of this well and plugging activity.

13. Perform Site Clearance and Verification Survey. Site must pass survey (method approved by Inspection and Enforcement). (See Section 2, Item 28).
14. Restore any damage caused by P&A operations on the site and access route to well location and restore any bottom damage caused by removal operations.

Well Name	SL 1451 #003			Operator		Shoreline		
Serial #	223283			LAT		29 15 44.3		
Field	Lake Raccourci			LONG		90 20 8		
Location	Water			USDW		118.00		
Parish	Lafourche			Directional		Yes		
Wellbore Components								
Type	Size (in)	Hole Size	ID	Top Depth (ft)	Bottom Depth (ft)	Weight (lb/ft)	Test (psi)	Cement Volume (sks)	Cement Top (ft) w/ 50% WO
Casing	16			0	253				253
Casing	10.75	13.5	10.050	0	2,397	40.5	1000	1,200	87
Drill Pipe	7.625	9.875	6.625	0	10,623	39	2200	3,100	518
Packer					9,389				
Perforations				9,998	10,006				
Tubing	2.875			0	9,466				

PROCEDURES

- ***All Cement plugs shall be blended API cement. Class 'A' cement to be utilized from 0-ft-6,000-ft and Class 'H' cement from 6,000-ft-Total Depth of Well. A minimum density of 15.6 ppg is required on all slurries. Accelerator additives as required to minimize time waiting on cement. Dry and blended cement samples shall be provided to CES agent if requested.***
- ***Contractor must provide absorbent and/or containment booms to contain any sheen that might be generated by the removal operations.***

1. Remove debris from well area. Make necessary repairs on wellhead. Install blow out preventers and test. Verify that the hydraulic closure system is operational at all times. Check well pressure on tubing and casing. Kill well if necessary. Establish injection rates and pressure in the tubing. Monitor casing pressure during injection or if necessary, pressure up on casing to determine tubing and casing integrity. Pressure test all casing strings and annuli to 300 psi. Note*: Report all rates and pressures to Lafayette District Office.
2. Rig up wireline and make gauge run to 9,466-ft.
3. Mix and pump 110-sacks of cement and squeeze the perforations leaving the TOC at 9,466-ft. WOC 4 hours. Tag cement and pressure test tubing to 300 psi.
4. Cut tubing above production packer at 9,400-ft. Establish circulation. Displace wellbore with 9.0 ppg fluid. Lay down tubing or utilize for cementing string.
5. Circulate a 300-ft cement plug (60 sack) from 9,100-ft – 9,400-ft. Pull above plug. Wait on cement 4 hours. Tag cement plug and pressure test to 300 psi.
6. Pull out of hole to 7,000-ft. Set 500-ft cement plug from 6,500-ft – 7,000-ft (100 sacks). Wait on cement 4 hours. Pressure test to 300-psi and tag cement plug.
7. Pull out and pick up cast iron bridge plug with perforation guns below. Run in hole and set plug at 2,300-ft. Perforate 7-5/8-in casing and attempt to establish circulation up the 7-5/8-in x 10-3/4-in casing annulus.
8. Circulate 300-ft (60 sacks) of cement between the 7-5/8-in x 10-3/4-in casing annulus. Unstring from plug and set a 300-ft (60 sack) cement plug above the plug.
9. Pull out of hole and lay down work string.
10. Cut and pull 7-5/8in from 210-ft. Place 10-3/4-in bridge plug at 200-ft. Spot 175-ft cement plug (80 sack) on top of bridge plug. Tag plug at surface.
11. Verify 10-3/4-in x 16-in casing annulus is full, if not top off. Verify all casing string annuli full to surface, if not top off.
12. Cut and pull all casing strings 15-ft below mud line. Remove and dispose of all equipment, material, and debris associated with the past operation of this well and plugging activity.
13. Perform Site Clearance and Verification Survey. Site must pass survey (method approved by Inspection and Enforcement). (See Section 2, Item 28).

14. Restore any damage caused by P&A operations on the site and access route to well location and restore any bottom damage caused by removal operations.

Well Name	SL 1451 #008			Operator			Shoreline	
Serial #	223435			LAT			29 15 52.3	
Field	Lake Raccourci			LONG			90 20 58.8	
Location	Water			USDW			118.00	
Parish	Lafourche			Directional			Yes	
Wellbore Components								
Type	Size (in)	Hole Size	ID	Top Depth (ft)	Bottom Depth (ft)	Weight (lb/ft)	Test (psi)	Cement Volume (sks)	Cement Top (ft) w/ 50% WO
Casing	16			0	225				225
Casing	10.75	13.5	10.050	0	2,470	40.5	1000	1,460	-340
Cement Plug				50	200				
Cement Plug				2,050	2,530				

PROCEDURES

- ***All Cement plugs shall be blended API cement. Class 'A' cement to be utilized from 0-ft-6,000-ft and Class 'H' cement from 6,000-ft-Total Depth of Well. A minimum density of 15.6 ppg is required on all slurries. Accelerator additives as required to minimize time waiting on cement. Dry and blended cement samples shall be provided to CES agent if requested.***
- ***Contractor must provide absorbent and/or containment booms to contain any sheen that might be generated by the removal operations.***

1. Verify cement plug in place at 50-ft. Tag cement plug, and document on report.
2. Verify 10-3/4-in x 16-in casing annulus is full, if not top off. Verify all casing string annuli full to surface, if not top off.
3. Cut and pull all casing strings 15-ft below mud line. Remove and dispose of all equipment, material, and debris associated with the past operation of this well and plugging activity.
4. Perform Site Clearance and Verification Survey. Site must pass survey (method approved by Inspection and Enforcement). (See Section 2, Item 28).
5. Restore any damage caused by P&A operations on the site and access route to well location and restore any bottom damage caused by removal operations.

Well Name	SL 1451 #005				Operator			Shoreline	
Serial #	223509				LAT			29 15 45.5	
Field	Lake Raccourci				LONG			90 19 58.5	
Location	Water				USDW			118.00	
Parish	Lafourche				Directional			Yes	
Wellbore Components									
Type	Size (in)	Hole Size	ID	Top Depth (ft)	Bottom Depth (ft)	Weight (lb/ft)	Test (psi)	Cement Volume (sks)	Cement Top (ft) w/ 50% WO
Casing	16			0	187				187
Casing	10.75	13.5	10.050	0	2,417	40.5	1500	1,350	-181
Casing	7.625	9.875	6.625	0	13,185	39	2800	2,375	5,443
Casing	5.5	6.5	4.670	12,940	13,767	23	1000	300	9,976
Packer					10,092				
Perforations				10,478	10,488				
Tubing	2.875			0	10,099				

PROCEDURES

- ***All Cement plugs shall be blended API cement. Class 'A' cement to be utilized from 0-ft-6,000-ft and Class 'H' cement from 6,000-ft-Total Depth of Well. A minimum density of 15.6 ppg is required on all slurries. Accelerator additives as required to minimize time waiting on cement. Dry and blended cement samples shall be provided to CES agent if requested.***
- ***Contractor must provide absorbent and/or containment booms to contain any sheen that might be generated by the removal operations.***

1. Remove debris from well area. Make necessary repairs on wellhead. Install blow out preventers and test. Verify that the hydraulic closure system is operational at all times. Check well pressure on tubing and casing. Kill well if necessary. Establish injection rates and pressure in the tubing. Monitor casing pressure during injection or if necessary, pressure up on casing to determine tubing and casing integrity. Pressure test all casing strings and annuli to 300 psi. Note*: Report all rates and pressures to Lafayette District Office.
2. Rig up wireline and make gauge run to production packer.
3. Mix and pump 80-sacks of cement and squeeze the perforations leaving the TOC at production packer. WOC 4 hours. Tag cement and pressure test tubing to 300 psi.
4. Cut tubing above production packer at 10,000-ft. Establish circulation. Displace wellbore with 9.0 ppg fluid. Lay down tubing or utilize for cementing string.
5. Circulate a 300-ft cement plug (60 sack) from 9,700-ft – 10,000-ft. Pull above plug. Wait on cement 4 hours. Tag cement plug and pressure test to 300 psi.
6. Pull out of hole to 7,000-ft. Set 500-ft cement plug from 6,500-ft – 7,000-ft (100 sacks). Wait on cement 4 hours. Pressure test to 300-psi and tag cement plug.
7. Pull out and pick up cast iron bridge plug with perforation guns below. Run in hole and set plug at 2,300-ft. Perforate 7-5/8-in casing and attempt to establish circulation up the 7-5/8-in x 10-3/4-in casing annulus.
8. Circulate 300-ft (60 sacks) of cement between the 7-5/8-in x 10-3/4-in casing annulus. Unstring from plug and set a 300-ft (60 sack) cement plug above the plug.
9. Pull out of hole and lay down work string.
10. Cut and pull 7-5/8-in from 210-ft. Place 10-3/4-in bridge plug at 200-ft. Spot 175-ft cement plug (80 sack) on top of bridge plug. Tag plug at surface.
11. Verify 10-3/4-in x 16-in casing annulus is full, if not top off. Verify all casing string annuli full to surface, if not top off.
12. Cut and pull all casing strings 15-ft below mud line. Remove and dispose of all equipment, material, and debris associated with the past operation of this well and plugging activity.
13. Perform Site Clearance and Verification Survey. Site must pass survey (method approved by Inspection and Enforcement). (See Section 2, Item 28).

14. Restore any damage caused by P&A operations on the site and access route to well location and restore any bottom damage caused by removal operations.

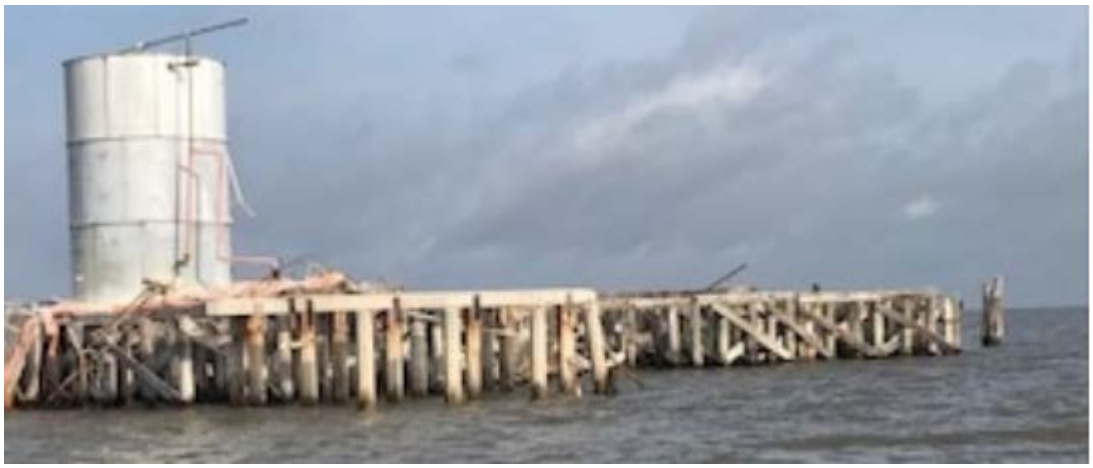
Satellite Facility Name	**Operator of Record**
SL 1451 #005 Facility	Shoreline Southeast

Platform and Satellite Description

The Contractor is responsible for taking note at the site visit the condition of the platform and its contents.

Procedure for Production Platform Removal and Site Restoration

1. Remove subject facility, production equipment, trash and debris, and all other material contained on the wooden platforms.
2. Remove all structure a minimum 10' below mud line (LSA-R.S. 43:XI.311(E)(2)(C)).
3. Unburied flowlines/pipelines entering or leaving the platform that are located within the site clearance radius are to be purged and totally removed within the radius area with the ends cut, capped and buried. Buried flowlines entering or leaving the platform are to be purged with the ends cut, capped and buried.
4. **Perform a Site Clearance & Verification Survey**. The Site Clearance and Verification Survey will be conducted within a radius of **400'** from the geometric center of the facility or up to existing bank. This search is to identify and physically describe debris located within the 400' radius that must be removed during site clearance to allow for passing a Verification Survey. Site must pass a 400' radius survey. **(See Section 2, Item 27)**. **Note: Contractor must provide absorbent and/or containment booms to contain any sheen material that might be generated by the removal operations.** Restore any bottom damage caused by removal operations.



Well Name	TEX L-5 RA SUA;SL 4534 LL&E #001				Operator		Shoreline		
Serial #	226016				LAT		29 16 34.5		
Field	Lake Raccourci				LONG		90 20 40.8		
Location	Water				USDW		118.00		
Parish	Lafourche				Directional		Yes		
Wellbore Components									
Type	Size (in)	Hole Size	ID	Top Depth (ft)	Bottom Depth (ft)	Weight (lb/ft)	Test (psi)	Cement Volume (sks)	Cement Top (ft) w/ 50% WO
Casing	16			0	230				230
Casing	10.75	14.75	10.050	0	3,410	40.5	1500	1,899	1,020
Casing	5.5	9.875	4.892	0	11,934	17	1000	1,025	9,978
Packer					11,006				
Perforations				11,244	11,250				
Tubing	2.875			0	11,006				

- **Slick Line in wellbore at 7,378-ft. Perforation assembly on bottom of line.**

PROCEDURES

- ***All Cement plugs shall be blended API cement. Class 'A' cement to be utilized from 0-ft-6,000-ft and Class 'H' cement from 6,000-ft-Total Depth of Well. A minimum density of 15.6 ppg is required on all slurries. Accelerator additives as required to minimize time waiting on cement. Dry and blended cement samples shall be provided to CES agent if requested.***
- ***Contractor must provide absorbent and/or containment booms to contain any sheen that might be generated by the removal operations.***

1. Remove debris from well area. Make necessary repairs on wellhead. Install blow out preventers and test. Verify that the hydraulic closure system is operational at all times. Check well pressure on tubing and casing. Kill well if necessary. Establish injection rates and pressure in the tubing. Monitor casing pressure during injection or if necessary, pressure up on casing to determine tubing and casing integrity. Pressure test all casing strings and annuli to 300 psi. Note*: Report all rates and pressures to Lafayette District Office.
2. Verify tubing integrity to 7,300-ft.
3. Mix and pump 80-sacks of cement and squeeze the perforations leaving the TOC at production packer. WOC 4 hours. Tag cement and pressure test tubing to 300 psi.
4. Cut tubing above slick line at 7,300-ft. Establish circulation. Displace wellbore with 9.0 ppg fluid. Lay down tubing or utilize for cementing string.
5. Pull out of hole. Pick up cement retainer, run in hole, and set at 7,300-ft.
6. Circulate a 400-ft cement plug (50 sack) from 6,900-ft – 7,300-ft. Pull above plug. Wait on cement 4 hours. Tag cement plug and pressure test to 300 psi.
7. Pull out and pick up cast iron bridge plug with perforation guns below. Run in hole and set plug at 3,300-ft. Perforate 7-5/8-in casing and attempt to establish circulation up the 7-5/8-in x 10-3/4-in casing annulus.
8. Circulate 300-ft (100 sacks) of cement between the 5-1/2-in x 10-3/4-in casing annulus. Unstring from plug and set a 300-ft (35 sack) cement plug above the plug.
9. Pull out of hole and lay down work string.
10. Cut and pull 5-1/2-in from 210-ft. Place 10-3/4-in bridge plug at 200-ft. Spot 175-ft cement plug (80 sack) on top of bridge plug. Tag plug at surface.
11. Verify 10-3/4-in x 16-in casing annulus is full, if not top off. Verify all casing string annuli full to surface, if not top off.
12. Cut and pull all casing strings 15-ft below mud line. Remove and dispose of all equipment, material, and debris associated with the past operation of this well and plugging activity.
13. Perform Site Clearance and Verification Survey. Site must pass survey (method approved by Inspection and Enforcement). (See Section 2, Item 28).
14. Restore any damage caused by P&A operations on the site and access route to well location and restore any bottom damage caused by removal operations.

Well Name	SL 1450 SWD #001				Operator		Shoreline		
Serial #	972797				LAT		29 15 58.1		
Field	Lake Raccourci				LONG		90 20 32		
Location	Water				USDW		180.00		
Parish	Lafourche				Directional		Yes		
Wellbore Components									
Type	Size (in)	Hole Size	ID	Top Depth (ft)	Bottom Depth (ft)	Weight (lb/ft)	Test (psi)	Cement Volume (sks)	Cement Top (ft) w/ 50% WO
Casing	14			0	203				203
Casing	9.625	12.25	8.921	0	1,430	36	1000	750	-246
Casing	7	8.75	6.184	0	5,750	29	1000	125	5,168
Packer					4,550				
Perforations				5,442	5,601				
Tubing	3.5			0	4,550				

PROCEDURES

- ***All Cement plugs shall be blended API cement. Class 'A' cement to be utilized from 0-ft-6,000-ft and Class 'H' cement from 6,000-ft-Total Depth of Well. A minimum density of 15.6 ppg is required on all slurries. Accelerator additives as required to minimize time waiting on cement. Dry and blended cement samples shall be provided to CES agent if requested.***
- ***Contractor must provide absorbent and/or containment booms to contain any sheen that might be generated by the removal operations.***

1. Remove debris from well area. Make necessary repairs on wellhead. Install blow out preventers and test. Verify that the hydraulic closure system is operational at all times. Check well pressure on tubing and casing. Kill well if necessary. Establish injection rates and pressure in the tubing. Monitor casing pressure during injection or if necessary, pressure up on casing to determine tubing and casing integrity. Pressure test all casing strings and annuli to 300 psi. Note*: Report all rates and pressures to Lafayette District Office.
2. Unseat packer, pull tubing and packer from wellbore.
3. Pick up CIBP and run in hole to 5,300-ft. Set CIBP.
4. Mix and pump 80-sacks of cement and squeeze the perforations leaving the TOC at production packer. WOC 4 hours. Tag cement and pressure test tubing to 300 psi.
5. Un-sting from packer. Displace wellbore with 9.0 ppg fluid
6. Circulate a 200-ft cement plug (50 sack) from 5,100-ft – 5,300-ft. Pull above plug. Wait on cement 4 hours. Tag cement plug and pressure test to 300 psi.
7. Pull out and pick up cast iron bridge plug with perforation guns below. Run in hole and set plug at 1,400-ft. Perforate 7-in casing and attempt to establish circulation up the 7-in x 9-5/8-in casing annulus.
8. Circulate 300-ft (60 sacks) of cement between the 7-in x 9-5/8-in casing annulus. Unstring from plug and set a 300-ft (70 sack) cement plug above the plug.
9. Pull out of hole and lay down work string.
10. Cut and pull 7-in from 210-ft. Place 9-5/8-in bridge plug at 200-ft. Spot 175-ft cement plug (65 sack) on top of bridge plug. Tag plug at surface.
11. Verify 9-5/8-in x 16-in casing annulus is full, if not top off. Verify all casing string annuli full to surface, if not top off.
12. Cut and pull all casing strings 15-ft below mud line. Remove and dispose of all equipment, material, and debris associated with the past operation of this well and plugging activity.
13. Perform Site Clearance and Verification Survey. Site must pass survey (method approved by Inspection and Enforcement). (See Section 2, Item 28).
14. Restore any damage caused by P&A operations on the site and access route to well location and restore any bottom damage caused by removal operations.

Section 8 **BREAKDOWN OF LUMP SUM TOTAL**

ITEM DESCRIPTION COST

Activity	Serial Number	Cost
Abandonment	150877	
Abandonment	150879	
Abandonment	223044	
Abandonment	112699	
Abandonment	135461	
Abandonment	221461	
Abandonment	222051	
Abandonment	223020	
Abandonment	223234	
Abandonment	223283	
Abandonment	223434	
Abandonment	223435	
Abandonment	223509	
Facility	223509	
Abandonment	226016	
Abandonment	972797	
Abandonment	150878	
Abandonment	221566	
Site Clearance and Verification		
Coastal Use Permit		
Permit Fee 1 x $75		1,200
SWD Permit Fee 1 x 125		125

Other (must separately list and identify any additional costs)

_____ $ _____

_____ $ _____

Deduct salvage value (Itemized listing must be attached) $__(_____)__

TOTAL * **$_____**

Bidder must enter a bid amount on all items. Failure to do so may eliminate your bid from consideration. Partial bids for incomplete Scope of Work are not acceptable

*Must equal the sum of the above items and must equal the lump sum total indicated on Page 3 of the bid document. Bidder must supply the information required on Section 5. Failure to do so may eliminate your bid from consideration.

Costs NOT to be included in the TOTAL above (to be used when establishing change order costs):

1. **Rig & crew cost per hour - $_____.**
2. **Hauling costs per barrel- $_____.**
3. **Disposal Costs per barrel - $_____.**
4. **Coil Tubing costs per day- $_____.**

Attachments

ATTACHMENT "A"
INSURANCE REQUIREMENTS
CERTIFICATE OF INSURANCE
ACT 404: P&A CONTRACTS
WATER OPERATIONS

1. GENERAL LIABILITY:

A. Minimum limits of $5,000,000 per occurrence.
B. BI/PD/Contractual/Products-Completed Operations/OCP.
C. Additional Insured - The State of Louisiana, all State Departments, Agencies, Board and Commissions, its officers, directors, agents, and employees are to be included as additional insured with respect to any work done by the Insured under contract.
D. Watercraft Exclusion deleted or evidence of Protection & Indemnity Insurance in minimum amount of $5,000,000 in either instance.
E. Waiver of Subrogation in favor of: The State of Louisiana, all State Departments, Agencies, Board and Commissions, its officers, directors, agents and employees with respect to any work done by the Insured under contract.
F. Pollution Liability including Clean up.
G. Underground Resources.
H. Blowout & Cratering.
I. Broad Form Property Damage.
J. XCU - Explosion/Collapse/Underground.
K. No restriction in coverage for use of explosives.

2. WORKERS' COMPENSATION:

A. Statutory coverage and Employers Liability.
B. Protection & Indemnity/Jones Act-Maritime in minimum amount of $5,000,000 for crew.
C. Employers Liability minimum limits of $1,000,000.
D. Waiver of Subrogation in favor of: The State of Louisiana, all State Departments, Agencies, Board and Commissions, its officers, directors, agents and employees with respect to any work done by the Insured under contract.
E. Longshoremen & Harbor Workers coverage including 905 (b).
F. Outer Continental Shelf Lands Act Endorsement.
G. Maritime/Jones Act coverage including TWMC/Transportation, Wages, Maintenance, and Cure.
H. No restriction in coverage for use of explosives.

3. AUTOMOBILE LIABILITY:

A. Minimum limits of $1,000,000 per occurrence.
B. Owned/Non Owned/Hired Automobiles.
C. Additional Insured - The State of Louisiana, all State Departments, Agencies, Board and Commissions, its officers, directors, agents and employees are to be included as additional insured with respect to any work done by the Insured under contract.
D. Waiver of Subrogation in favor of: The State of Louisiana, all State Departments, Agencies, Board and Commissions, its officers, directors, agents and employees with respect to any work done by the Insured under contract.

4. PROTECTION & INDEMNITY:

A. Waiver of Subrogation in favor of: The State of Louisiana, all State Departments, Agencies, Board and Commissions, its officers, directors, agents and employees with respect to any work done by the Insured under contract.

B. Additional Insured - The State of Louisiana, all State Departments, Agencies, Board and Commissions, its officers, directors, agents and employees are to be included as additional insured with respect to any work done by the Insured under contract.
C. Minimum limits of $5,000,000 to include Crew/TWMC.
D. "As owner of the vessel" phrase deleted.
E. Any phrase purporting to limit the underwriter's liability to value of vessel or to that of an owner be deleted.
F. No restriction in coverages for use of explosives.

5. <u>IF NOT COVERED BY GENERAL LIABILITY:</u>

A. Pollution Liability including Clean Up.
B. Underground Resources.
C. Blowout & Cratering.
D. Broad Form Property Damage.
E. XCU – Explosion/Collapse/Underground.

ATTACHMENT "B"
<u>FIFTH AMENDMENT TO</u>
<u>STATEWIDE ORDERS NO. 29-B</u>
<u>AND 29-B-a (Emergency Rule)</u>

TITLE 43
NATURAL RESOURCES
Part XIX. Office of Conservation – General Operations
Subpart 1. Statewide Order No. 29-B

Chapter 2. Additional Requirements for Water Locations

§211. Oil and Gas Well-Workover Operations

A. Definitions. When used in this section, the following terms shall have the meanings given below:

Expected surface pressure - the highest pressure predicted to be exerted upon the surface of a well. In calculating expected surface pressure, reservoir pressure as well as applied surface pressure must be considered.

Routine operations - any of the following operations conducted on a well with the tree installed including cutting paraffin, removing and setting pump-through-type tubing plugs, gas-lift valves, and subsurface safety valves which can be removed by wireline operations, bailing sand, pressure surveys, swabbing, scale or corrosion treatment, caliper and gauge surveys, corrosion inhibitor treatment, removing or replacing subsurface pumps, through-tubing logging, wireline fishing, and setting and retrieving other subsurface flow-control devices.

Workover operations - the work conducted on wells after the initial completion for the purpose of maintaining or restoring the productivity of a well.

B. When well-workover operations are conducted on a well with the tree removed, an emergency shutdown system (ESD) manually controlled station shall be installed near the driller's console or well-servicing unit operator's work station, except when there is no other hydrocarbon-producing well or other hydrocarbon flow on the platform.

C. Prior to engaging in well-workover operations, crew members shall be instructed in the safety requirements of the operations to be performed, possible hazards to be encountered, and general safety considerations to protect personnel, equipment, and the environment. Date and time of safety meetings shall be recorded and available for review.

D. Well-control fluids, equipment, and operations. The following requirements apply during all well-workover operations with the tree removed:

1. The minimum BOP-system components when the expected surface pressure is less than or equal to 5,000 psi shall include one annular-type well control component, one set of pipe rams, and one set of blind-shear rams. The shear ram component of this requirement shall be effective for any workover operations initiated on or after January 1, 2011 and not before.
2. The minimum BOP-system components when the expected surface pressure is greater than 5,000 psi shall include one annular-type well control component, two sets of pipe rams, and one set of blind-shear rams. The shear ram component of this requirement shall be effective for any workover operations initiated on or after January 1, 2011 and not before.
3. BOP auxiliary equipment in accordance with the requirements of LAC 43:XIX.207.E.

4. When coming out of the hole with drill pipe or a workover string, the annulus shall be filled with well-control fluid before the change in such fluid level decreases the hydrostatic pressure 75 pounds per square inch (psi) or every five stands of drill pipe or workover string, whichever gives a lower decrease in hydrostatic pressure. The number of stands of drill pipe or workover string and drill collars that may be pulled prior to filling the hole and the equivalent well-control fluid volume shall be calculated and posted near the operator's station. A mechanical, volumetric, or electronic device for measuring the amount of well-control fluid required to fill the hold shall be utilized.
5. The following well-control-fluid equipment shall be installed, maintained, and utilized:
    a. A fill-up line above the uppermost BOP;
    b. A well-control, fluid-volume measuring device for determining fluid volumes when filling the hole on trips; and
    c. A recording mud-pit-level indicator to determine mud-pit-volume gains and losses. This indicator shall include both a visual and an audible warning device.

E. The minimum BOP-system components for well-workover operations with the tree in place and performed through the wellhead inside of conventional tubing using small-diameter jointed pipe (usually ¾ inch to 1 ¼ inch) as a work string, i.e., small-tubing operations, shall include two sets of pipe rams, and one set of blind rams.

1. An essentially full-opening work-string safety valve in the open position on the rig floor shall be available at all times while well-workover operations are being conducted. This valve shall be maintained on the rig floor to fit all connections that are in the work string. A wrench to fit the work-string safety valve shall be stored in a location readily accessible to the workover crew.

F. For coiled tubing operations with the production tree in place, you must meet the following minimum requirements for the BOP system:

1. BOP system components must be in the following order from the top down when expected surface pressures are less than or equal to 3,500 psi:
    a. Stripper or annular-type well control component.
    b. Hydraulically-operated blind rams.
    c. Hydraulically-operated shear rams.
    d. Kill line inlet
    e. Hydraulically operated two-way slip rams.
    f. Hydraulically operated pipe rams
2. BOP system components must be in the following order from the top down when expected surface pressures are greater than 3,500 psi:
    a. Stripper or annular-type well control component.
    b. Hydraulically-operated blind rams.
    c. Hydraulically-operated shear rams.
    d. Kill line inlet
    e. Hydraulically-operated two-way slip rams.
    f. Hydraulically-operated pipe rams.
    g. Hydraulically-operated blind-shear rams. These rams should be located as close to the tree as practical.
3. BOP system components must be in the following order from the top down for wells with returns taken through an outlet on the BOP stack:

a. Stripper or annular-type well control component.
b. Hydraulically-operated blind rams.
c. Hydraulically-operated shear rams.
d. Kill line inlet
e. Hydraulically-operated two-way slip rams.
f. Hydraulically-operated pipe rams.
g. A flow tee or cross.
h. Hydraulically-operated pipe rams.
i. Hydraulically-operated blind-shear rams on wells with surface pressures less than or equal to 3,500 psi. As an option, the pipe rams can be placed below the blind-shear rams. The blind-shear rams should be placed as close to the tree as practical.

4. A set of hydraulically-operated combination rams may be used for the blind rams and shear rams.
5. A set of hydraulically-operated combination rams may be used for the hydraulic two-way slip rams and the hydraulically-operated pipe rams.
6. A dual check valve assembly must be attached to the coiled tubing connector at the downhole end of the coiled tubing string for all coiled tubing well-workover operations. To conduct operations without a downhole check valve, it must be approved by the District Manager.
7. A kill line and a separate choke line are required. Each line must be equipped with two full-opening valves and at least one of the valves must be remotely controlled. A manual valve must be used instead of the remotely controlled valve on the kill line if a check valve is installed between the two full-opening manual valves and the pump or manifold. The valves must have a working pressure rating equal to or greater than the working pressure rating of the connection to which they are attached, and must be installed between the well control stack and the choke or kill line. For operations with expected surface pressures greater than 3,500 psi, the kill line must be connected to a pump or manifold. The kill line inlet on the BOP stack must not be used for taking fluid returns from the wellbore.
8. The hydraulic-actuating system must provide sufficient accumulator capacity to close-open-close each component in the BOP stack. This cycle must be completed with at least 200 psi above the pre-charge pressure without assistance from a charging system.
9. All connections used in the surface BOP system from the tree to the uppermost required ram must be flanged, including the connections between the well control stack and the first full-opening valve on the choke line and the kill line.
10. The coiled tubing connector must be tested to a low pressure of 200 to 300 psi, followed by a high pressure test to the rated working pressure of the connector or the expected surface pressure, whichever is less. The dual check valves must be successfully pressure tested to the rated working pressure of the connector, the rated working pressure of the dual check valve, expected surface pressure, or the collapse pressure of the coiled tubing, whichever is less.

G. The minimum BOP-system components for well-workover operations with the tree in place and performed by moving tubing or drill pipe in or out of a well under pressure utilizing equipment specifically designed for that purpose, i.e., snubbing operations, shall include the following:

1. One set of pipe rams hydraulically operated, and
2. Two sets of stripper-type pipe rams hydraulically operated with spacer spool.

H. Test pressures must be recorded during BOP and coiled tubing tests on a pressure chart, or with a digital recorder, unless otherwise approved by the District Manager. The test interval for each BOP system component must be 5 minutes, except for coiled tubing operations, which must include a 10 minute high-pressure test for the coiled tubing string.

I. Wireline operations. The operator shall comply with the following requirements during routine, as defined in Subsection A of this section, and nonroutine wireline workover operations:

1. Wireline operations shall be conducted so as to minimize leakage of well fluids. Any leakage that does occur shall be contained to prevent pollution.

2. All wireline perforating operations and all other wireline operations where communication exists between the completed hydrocarbon-bearing zone(s) and the wellbore shall use a lubricator assembly containing at least one wireline valve.

3. When the lubricator is initially installed on the well, it shall be successfully pressure tested to the expected shut-in surface pressure.

J. Following completion of the well-workover activity, all such records shall be retained by the Operator for a period of 2 years.

K. An essentially full-opening work-string safety valve in the open position on the rig floor shall be available at all times while well-workover operations are being conducted. This valve shall be maintained on the rig floor to fit all connections that are in the work string. A wrench to fit the work-string safety valve shall be stored in a location readily accessible to the workover crew.

L. The commissioner may grant an exception to any provisions of this section that require specific equipment upon proof of good cause. For consideration of an exception, the operator must show proof of the unavailability of properly sized equipment and demonstrate that anticipated surface pressures minimize the potential for a loss of well control during the proposed operations. All exception requests must be made in writing to the commissioner and include documentation of any available evidence supporting the request.

AUTHORITY NOTE: Promulgated in accordance with R.S. 30:4 et seq.

Signature: I, _____, hereby acknowledge that Attachment 'B' was included in the Bid Proposal # _____ package and that I have read same.