

EXCLUSIVE GEOPHYSICAL AGREEMENT TRACT NO. 44213 - St. Martin, St. Mary and Iberia Parishes, Louisiana

The Exclusive Geophysical Agreement is a **Type #2**, and carries a maximum **Initial Term of Eighteen (18) months**, with an **Option Term, if exercised by additional payment as specified in the Agreement, of Six (6) months period**. The Exclusive Geophysical Agreement #2, shall be effective from **January 14, 2015** for a period terminating **July 14, 2016**, unless the Option period is activated by payment (timely) of the Option payment amount set forth in the Agreement, in which case the termination date shall be **January 14, 2017**, and which Agreement authorizes the successful bidder to conduct at least 3-D geophysical operations on all state owned water bottoms situated in **St. Martin, St. Mary and Iberia Parishes, Louisiana**, which area is identified for convenience as **Tract #44213** and is more particularly described hereinafter, as follows: Beginning at a point having Coordinates of X = 1,975,862.38 and Y = 499,350.55; thence South 00 degrees 11 minutes 05 seconds East 26,244.83 feet to a point having Coordinates of X = 1,975,946.98 and Y = 473,105.86; thence South 35 degrees 46 minutes 49 seconds East 26,941.93 feet to a point having Coordinates of X = 1,991,699.38 and Y = 451,248.84; thence South 03 degrees 00 minutes 46 seconds East 1,227.59 feet to a point having Coordinates of X = 1,991,763.90 and Y = 450,022.95; thence North 89 degrees 33 minutes 25 seconds West approximately 6,255 feet to a point on the East boundary of the Attakapas Island Wildlife Management Area (Attakapas WMA); thence Northwesterly along the meanders of the East boundary of said Attakapas WMA approximately 40,600 feet to the Northeast corner of said Attakapas WMA having approximate Coordinates of X = 1,964,672.00 and Y = 483,071.00; thence Southwesterly approximately 20,330 feet to the Northwest corner of said Attakapas WMA having approximate Coordinates of X = 1,946,024.00 and Y = 474,973.00; thence Southerly along the meanders of the West boundary of said Attakapas WMA approximately 13,000 feet to a point having approximate Coordinates of X = 1,947,882.00 and Y = 467,620.00; thence Westerly approximately 4,182 feet to a point having Coordinates of X = 1,943,684.16 and Y = 467,586.70; thence South 83 degrees 28 minutes 48 seconds West 828.27 feet to a point having Coordinates of X = 1,942,861.25 and Y = 467,492.65; thence South 00 degrees 42 minutes 42 seconds East 3,785.68 feet to a point having Coordinates of X = 1,942,908.27 and Y = 463,707.26; thence South 88 degrees 59 minutes 18 seconds West 10,652.49 feet to a point having Coordinates of X = 1,932,257.44 and Y = 463,519.16; thence North 39 degrees 39 minutes 06 seconds West 7,848.08 feet to a point having Coordinates of X = 1,927,249.43 and Y = 469,561.69; thence North 89 degrees 29 minutes 04 seconds West 19,412.40 feet to a point having Coordinates of X = 1,907,837.82 and Y = 469,736.39; thence North 89 degrees 47 minutes 10 seconds West 7,156.01 feet to a point having Coordinates of X = 1,900,681.86 and Y = 469,763.09; thence South 00 degrees 04 minutes 40 seconds West 19,620.69 feet to a point having Coordinates of X = 1,900,655.25 and Y = 450,142.42; thence North 73 degrees 39 minutes 50 seconds West 1,432.07 feet to a point having Coordinates of X = 1,899,281.00 and Y = 450,545.22; thence North 60

degrees 21 minutes 41 seconds West 1,581.13 feet to a point having Coordinates of X = 1,897,906.74 and Y = 451,327.13; thence North 38 degrees 31 minutes 37 seconds West 6,390.58 feet to a point having Coordinates of X = 1,893,926.15 and Y = 456,326.57; thence North 45 degrees 51 minutes 56 seconds West 5,546.27 feet to a point having Coordinates of X = 1,889,945.55 and Y = 460,188.69; thence North 00 degrees 00 minutes 49 seconds West 50,405.96 feet to a point having Coordinates of X = 1,889,933.61 and Y = 510,594.65; thence South 63 degrees 40 minutes 36 seconds East 1,526.12 feet to a point having Coordinates of X = 1,891,301.48 and Y = 509,917.91; thence South 00 degrees 20 minutes 19 seconds East 12,476.40 feet to a point having Coordinates of X = 1,891,375.21 and Y = 497,441.73; thence South 38 degrees 36 minutes 05 seconds East 10,443.59 feet to a point having Coordinates of 1,897,890.96 and Y = 489,280.01; thence South 72 degrees 33 minutes 10 seconds East 1,394.54 feet to a point having Coordinates of X = 1,899,221.34 and Y = 488,861.89; thence North 87 degrees 32 minutes 09 seconds East 7,957.08 feet to a point having Coordinates of X = 1,907,171.06 and Y = 489,203.99; thence North 87 degrees 20 minutes 13 seconds East 12,856.16 feet to a point having Coordinates of X = 1,920,013.34 and Y = 489,801.30; thence North 50 degrees 42 minutes 34 seconds East 385.88 feet to a point having Coordinates of X = 1,920,311.99 and Y = 490,045.66; thence North 52 degrees 07 minutes 30 seconds East 3,405.22 feet to a point having Coordinates of X = 1,922,999.91 and Y = 492,136.26; thence North 47 degrees 22 minutes 23 seconds East 10,664.28 feet to a point having Coordinates of X = 1,930,846.46 and Y = 499,358.34; thence North 76 degrees 40 minutes 31 seconds East 2,120.54 feet to a point having Coordinates of X = 1,932,909.91 and Y = 499,847.06; thence South 89 degrees 20 minutes 16 seconds East 42,955.34 feet to the point of beginning, **LESS AND EXCEPT** any portion of the above described tract lying within the following State Leases: SL 14519 and SL 21078, **ALSO LESS AND EXCEPT** any portion of the above described tract lying within the Attakapas Island Wildlife Management Area, containing approximately **24,857 acres**, all as more particularly outlined on a plat on file in the Office of Mineral Resources, Department of Natural Resources. All bearings, distances and coordinates are based on the Louisiana Coordinate System of 1927, (North or South Zone), where applicable.

A Cashier's check, Certified check or Bank Money Order, payable to the **Office of Mineral Resources** for the full amount of Cash Consideration (but not less than **Thirty (\$30.00) Dollars per acre**) offered for the **Exclusive Geophysical Agreement Type #2** on said tract shall accompany and be deposited with the bid. No portion bids will be accepted. The State Mineral and Energy Board reserves the right to reject any and all bids.

The property covered by the Exclusive Geophysical Agreement is without warranty, either express, implied or statutory, and includes, but is not limited to, title, merchantability or fitness for the particular purpose. Any subsequent modification affecting acreage covered by the Exclusive Geophysical Agreement, including cancellation or abrogation, for any

reason, of any portion shall not relieve the Grantee of the Agreement of any obligation to pay all of the original bid payment due or the subsequent exercise of option payment (although same may be modified to account for any reduction in acreage caused by the modification, cancellation or abrogation) and the Mineral and Energy Board shall be under no obligation to refund any money paid by the Grantee prior to such modification, cancellation or abrogation.

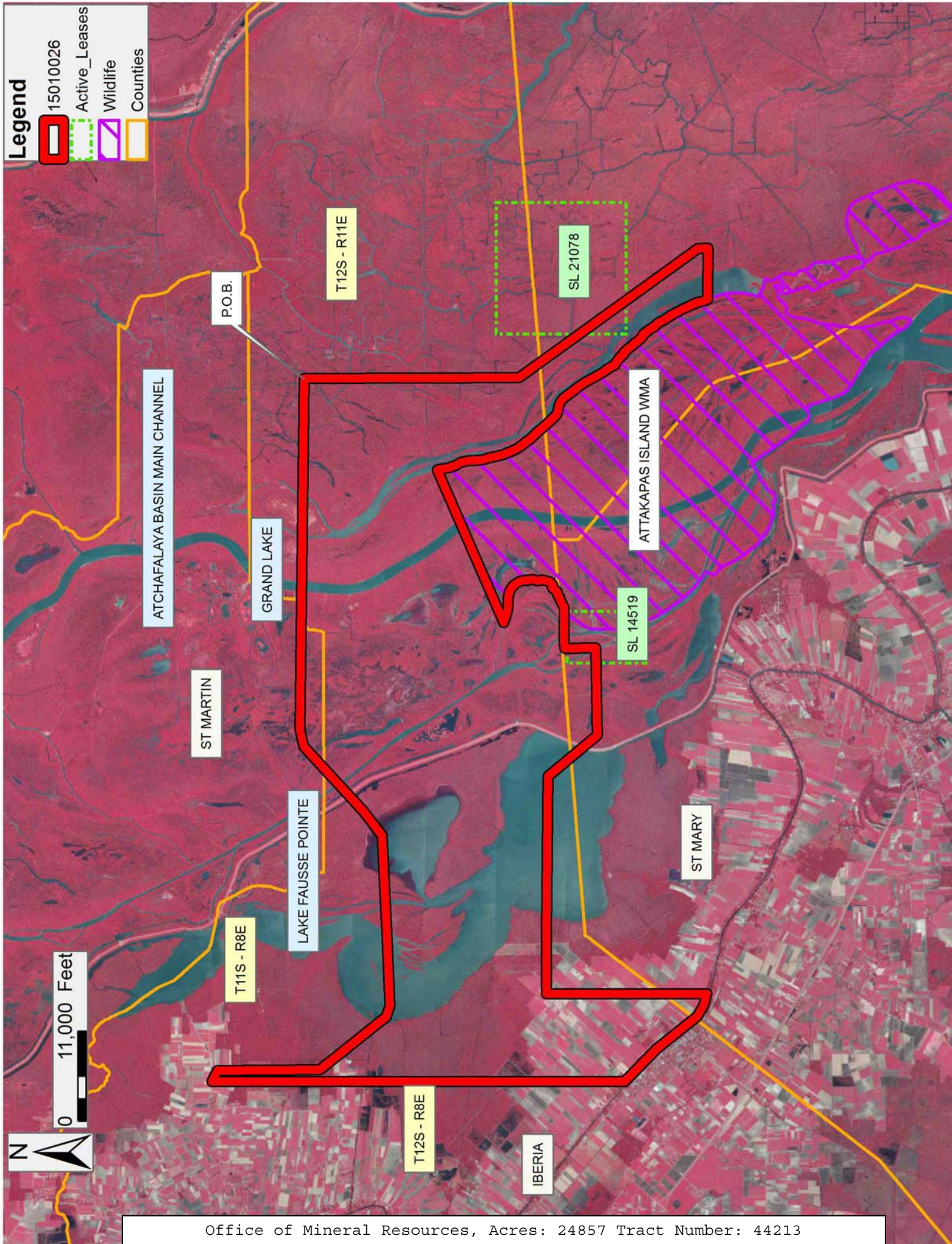
NOTE: The above description of the Tract nominated for the purpose of acquiring a mineral lease or a geophysical agreement has been provided and corrected, where required, exclusively by the nominating party. Any mineral lease or geophysical agreement selected from this Tract and awarded by the Louisiana State Mineral and Energy Board shall be without warranty of any kind, either express, implied or statutory including, but not limited to, title or the implied warranties of merchantability and fitness for a particular purpose.

An error or omission in the nominating party's Tract description may require that a State mineral lease or geophysical agreement be modified, canceled or abrogated due to the existence of conflicting leases, operating agreements, private claims or other future obligations or conditions within the Tract described. In such case, however, the Louisiana State Mineral and Energy Board shall not be obligated to refund any consideration paid by the Lessee prior to such modification, cancellation or abrogation including, but not limited to, bonuses, rentals and royalties.

NOTE: This acreage is partially within the boundary of the Atchafalaya Basin Legal Area.

Applicant: PRIDE OIL & GAS PROPERTIES, INC

Bidder	Cash Payment	Price/ Acre	Rental	Oil	Gas	Other



EXCLUSIVE GEOPHYSICAL AGREEMENT TRACT NO. 44214 - St. Martin, St. Mary and Iberia Parishes, Louisiana

The Exclusive Geophysical Agreement is a **Type #2**, and carries a maximum **Initial Term of Eighteen (18) months**, with an **Option Term, if exercised by additional payment as specified in the Agreement, of Six (6) months period**. The Exclusive Geophysical Agreement #2, shall be effective from **January 14, 2015** for a period terminating **July 14, 2016**, unless the Option period is activated by payment (timely) of the Option payment amount set forth in the Agreement, in which case the termination date shall be **January 14, 2017**, and which Agreement authorizes the successful bidder to conduct at least 3-D geophysical operations on all state owned water bottoms situated in **St. Martin, St. Mary and Iberia Parishes, Louisiana**, which area is identified for convenience as **Tract #44214** and is more particularly described hereinafter, as follows: Beginning at a point within said Attakapas WMA having Coordinates of X = 1,962,503.78 and Y = 467,733.88; thence South 00 degrees 14 minutes 17 seconds East 17,485.32 feet to a point having Coordinates of X = 1,962,576.41 and Y = 450,248.71; thence South 89 degrees 33 minutes 25 seconds East approximately 22,933 feet to a point of intersection with the East boundary of said Attakapas WMA; thence Northwesterly along the meanders of the East boundary of said Attakapas WMA approximately 40,600 feet to the Northeast corner of said Attakapas WMA having approximate Coordinates of X = 1,964,672.00 and Y = 483,071.00; thence Southwesterly along the North boundary of said Attakapas WMA approximately 20,330 feet to the Northwest corner of said Attakapas WMA having approximate Coordinates of X = 1,946,024.00 and Y = 474,973.00; thence Southerly along the meanders of the West boundary of said Attakapas WMA approximately 13,000 feet to a point having approximate Coordinates of X = 1,947,882.00 and Y = 467,620.00; thence Easterly approximately 14,622 feet to the point of beginning, **LESS AND EXCEPT** any portion of the above described tract lying within the following State Leases: SL 14519, ALSO **LESS AND EXCEPT** any portion of the above described tract lying outside the Attakapas Island Wildlife Management Area, containing approximately **11,990 acres**, all as more particularly outlined on a plat on file in the Office of Mineral Resources, Department of Natural Resources. All bearings, distances and coordinates are based on the Louisiana Coordinate System of 1927, (North or South Zone), where applicable.

A Cashier's check, Certified check or Bank Money Order, payable to the **Office of Mineral Resources** for the full amount of Cash Consideration (but not less than **Thirty (\$30.00) Dollars per acre**) offered for the **Exclusive Geophysical Agreement Type #2** on said tract shall accompany and be deposited with the bid. No portion bids will be accepted. The State Mineral and Energy Board reserves the right to reject any and all bids.

The property covered by the Exclusive Geophysical Agreement is without warranty, either express, implied or statutory, and includes, but is not limited to, title, merchantability or fitness for the particular purpose. Any subsequent modification affecting acreage covered by the Exclusive

Geophysical Agreement, including cancellation or abrogation, for any reason, of any portion shall not relieve the Grantee of the Agreement of any obligation to pay all of the original bid payment due or the subsequent exercise of option payment (although same may be modified to account for any reduction in acreage caused by the modification, cancellation or abrogation) and the Mineral and Energy Board shall be under no obligation to refund any money paid by the Grantee prior to such modification, cancellation or abrogation.

NOTE: The above description of the Tract nominated for the purpose of acquiring a mineral lease or a geophysical agreement has been provided and corrected, where required, exclusively by the nominating party. Any mineral lease or geophysical agreement selected from this Tract and awarded by the Louisiana State Mineral and Energy Board shall be without warranty of any kind, either express, implied or statutory including, but not limited to, title or the implied warranties of merchantability and fitness for a particular purpose.

An error or omission in the nominating party's Tract description may require that a State mineral lease or geophysical agreement be modified, canceled or abrogated due to the existence of conflicting leases, operating agreements, private claims or other future obligations or conditions within the Tract described. In such case, however, the Louisiana State Mineral and Energy Board shall not be obligated to refund any consideration paid by the Lessee prior to such modification, cancellation or abrogation including, but not limited to, bonuses, rentals and royalties.

NOTE: This acreage is entirely within the boundary of the Atchafalaya Basin Legal Area.

NOTE: Prior to any activity on the WMA a pre-survey meeting will be conducted at a place and time designated by the LDWF Biologist Supervisor, Mr. Brad Launey, or his assigns. Mr. Launey can be reached by phone at 337-948-0255. It may be necessary to modify project features such as source and receiver lines to reduce environmental impacts. Where practical source lines will be relocated to roads and existing access corridors to reduce habitat impacts.

NOTE: LDWF shall be supplied for project monitoring purposes a 15' quadrangle base map of the proposed project with source and receiver lines plotted.

NOTE: Weekly coordination meetings will be required to update LDWF and coordinate future activities. Additionally, a 15' quadrangle base map will be updated at the weekly meeting to determine the specific status of individual source and receiver lines.

NOTE: A compliance inspector will be provided by the seismic company to ensure that all environmental conditions required in the LDWF letter of authorization are met. A daily log of operations will be provided to the Department upon request. The compliance inspector will attend the pre-survey meeting and all weekly meetings. The compliance inspector will provide LDWF with weekly e-mail updates which provide the status of the seismic project and any non-compliance and corrective activities which may have occurred.

NOTE: **No seismic activities will be allowed during the hunting season (Sept. 1 - Feb. 28)** unless specifically approved by Mr. Launey or his assigns.

NOTE: There will be no deviation with equipment from plotted lines without prior approval by LDWF.

NOTE: These requirements are in addition to the standard seismic regulations administered by LDWF.

NOTE: No activities will be allowed within one thousand feet (1000') of active bird rookeries. For more details concerning bird rookery restrictions, refer to condition shown below.

NOTE: All equipment and materials utilized for the project shall be properly marked to prevent hazards for the various public user groups utilizing the management area.

NOTE: LDWF shall be supplied transportation to the project site for monitoring purposes, if requested by LDWF.

NOTE: LDWF shall have discretion to require the seismic company to repair any damages which are a result of the seismic project.

NOTE: All vehicles, boats and equipment, when idle shall be parked in a manner which will not interfere with access and use of the management area.

NOTE: The project shall be supervised by a seismic agent or other Department representative during the entire survey.

NOTE: There will be limited vehicular access on seismic lines. Types of vehicles and access routes will be determined and approved by LDWF personnel prior to entry on the management area. Any winching of vehicles or equipment will use nylon straps when placed around trees. Right-of-ways will be limited to no more than 15 feet in width. In areas where avoidance of trees and obstacles are necessary, a 30-foot right-of-way will be allowed. Any activities outside of these rights-of-way will require LDWF approval. Trees larger than 4" DBH will not

be cut or removed without prior approval of the Department. No restrictions will be placed on Black willow and Chinese Tallow.

NOTE: All seismic equipment should be inspected for presence of invasive aquatic weeds, including but not limited to giant salvinia (*Salvinia molesta*), water hyacinth (*Eichhornia spp*), and Esthwaite Waterweed (*Hydrilla verticallata*), or aquatic animals, such as apple snails (Family Ampulariidae), before being brought to the management area and before being moved from the management area to prevent the transport and spread of such species.

NOTE: All roads used by the seismic company shall be maintained by the seismic company during the time period operations are conducted on the WMA. Maintenance and improvements shall be conducted according to specifications of the Department.

NOTE: Compliance with applicable Attakapas Island WMA regulations shall be required.

NOTE: All debris, litter, poles, wire, and flagging shall be removed from the management area upon completion of the survey or at intervals designated by the Department.

NOTE: A post project meeting shall be held to confirm compliance with the above requirements.

NOTE: In the event of non-compliance with the above requirements, the Department shall have discretion to cease the geophysical activities until compliance is obtained.

NOTE: A copy of this letter of authorization shall be present on all vessels, including airboats and marsh buggies, operating on the management area.

NOTE: The project has been reviewed for potential impacts to resources of concern to the LDWF Natural Heritage Program (LNHP). The LNHP review indicated that the following three (3) species/habitats of conservation concern potentially occur within the WMA. For a review of the entire project area, including areas outside the WMA, refer to the LNHP review conducted by the LDWF Seismic Section.

a) The Louisiana black bear (*Ursus americanus luteolus*) may occur in your general project area. It is listed as threatened under the Endangered Species Act. The Louisiana black bear utilizes a variety of habitat types, including forested wetlands, marsh, spoil banks, and upland forests. The primary threats to the species are continued loss of bottomland hardwoods, fragmentation of remaining forested tracts, and human-caused mortality. Louisiana black bears, particularly pregnant females, normally den from December through

April. Bald cypress (*Taxodium distichum*) and tupelo gum (*Nyssa aquatica*) with visible cavities, having a diameter at breast height of 36 inches or greater, and occurring in or along rivers, lakes, streams, bayous, sloughs, or other water bodies have legal protection as candidate or actual den trees. If construction is to be performed during the denning season or if bald cypress or tupelo gum with diameters at breast height of 36 inches or greater will be removed or destroyed, further consultation with this office will be necessary. We strongly urge workers and contractors to avoid bears, particularly if work is to be conducted during the non-denning season (April through December). Employees should be cautioned to not leave food or garbage in the field, as bears can become attracted and accustomed to human food easily. In addition, we recommend the use of bear proof garbage containers on site. If you have any questions please call LDWF's Maria Davidson at 337-948-0255.

- b) The LNHP database indicates the presence of bird nesting colonies within one mile of this proposed project. **Please be aware that entry into or disturbance of active breeding colonies is prohibited by LDWF. In addition, LDWF prohibits work within a certain radius of an active nesting colony.**

Nesting colonies can move from year to year and no current information is available on the status of these colonies. If work for the proposed project will commence during the nesting season, conduct a field visit to the worksite to look for evidence of nesting colonies. This field visit should take place no more than two weeks before the project begins. If no nesting colonies are found within 400 meters (700 meters for brown pelicans) of the proposed project, no further consultation with LDWF will be necessary. If active nesting colonies are found within the previously stated distances of the proposed project, further consultation with LDWF will be required. In addition, colonies should be surveyed by a qualified biologist to document species present and the extent of colonies. Provide LDWF with a survey report which is to include the following information:

1. qualifications of survey personnel;
2. survey methodology including dates, site characteristics, and size of survey area;
3. species of birds present, activity, estimates of number of nests present, and general vegetation type including digital photographs representing the site; and
4. topographic maps and ArcView shapefiles projected in UTM NAD83 Zone 15 to illustrate the location and extent of the colony.

Please mail survey reports on CD to: Louisiana Natural Heritage Program

La. Dept. of Wildlife & Fisheries
P.O. Box 98000
Baton Rouge, LA 70898-9000

To minimize disturbance to colonial nesting birds, the following restrictions on activity should be observed:

- For colonies containing nesting wading birds (i.e., herons, egrets, night-herons, ibis, roseate spoonbills, anhingas, and/or cormorants), all project activity occurring within 300 meters of an active nesting colony should be restricted to the non-nesting period (i.e., September 1 through February 15).
 - For colonies containing nesting gulls, terns, and/or black skimmers, all project activity occurring within 400 meters (700 meters for brown pelicans) of an active nesting colony should be restricted to the non-nesting period (i.e., September 16 through April 1).
- c) The pallid sturgeon (*Scaphirhynchus albus*) may occur in water bodies near your proposed project. The pallid sturgeon is listed as endangered under the Endangered Species Act (16 U.S.C. 1531-1544) and occur in the Mississippi and Atchafalaya rivers in southern Louisiana, and the Red River. This species requires large, turbid, free-flowing riverine habitat and is adapted to living close to the bottom of large rivers with sand and gravel bars. Pallid sturgeon typically spawn from May-August, but successful reproduction has been severely reduced due to habitat modification. This includes the loss of habitat through the construction of dams that have modified flows, reduced turbidity and lowered water temperatures. We advise you to take the necessary measures to avoid the breeding season and any degradation of water quality in the Mississippi and Atchafalaya rivers. If you have any questions, please contact LDWF's Beau Gregory at 337-491-2576.

Applicant: PRIDE OIL & GAS PROPERTIES, INC.

Bidder	Cash Payment	Price/ Acre	Rental	Oil	Gas	Other

