

TRACT 40694 - Bossier Parish, Louisiana

A certain Tract of land, excluding the beds and bottoms of all navigable waters, belonging to and not presently under mineral lease from East-Central Bossier Parish Fire District No. 1 on December 10, 2008, being more fully described as follows: A certain tract of land containing approximately 1.02 acres, more or less, located in Section 5, T19N R11W, Bossier Parish, Louisiana, Assessment Number 148,633. Acreage for this nomination is **1.02 acres**, all as more particularly outlined on a plat on file in the Office of Mineral Resources, Department of Natural Resources. The description is based on information provided by the State Agency regarding location and ownership of surface and mineral rights. All bearings, distances and coordinates, if applicable, are based on Louisiana Coordinate System of 1927, (North or South Zone).

NOTE: The above description of the Tract nominated for lease has been provided and corrected, where required, exclusively by the nomination party. Any mineral lease selected from this Tract and awarded by the Louisiana State Mineral Board shall be without warranty of any kind, either express, implied, or statutory, including, but not limited to, the implied warranties of merchantability and fitness for a particular purpose. Should the mineral lease awarded by the Louisiana State Mineral Board be subsequently modified, cancelled or abrogated due to the existence of conflicting leases, operating agreements, private claims or other future obligations or conditions which may affect all or any portion of the leased Tract, it shall not relieve the Lessee of the obligation to pay any bonus due thereon to the Louisiana State Mineral Board, nor shall the Louisiana State Mineral Board be obligated to refund any consideration paid by the Lessor prior to such modification, cancellation, or abrogation, including, but not limited to, bonuses, rentals and royalties.

NOTE: Except as otherwise expressly authorized in writing by Lessor, Lessee, its successors or assigns, may produce oil, gas and other minerals from the leased premises by drilling from a surface location on other lands. Notwithstanding any other provision of this lease to the contrary, Lessee, its successors or assigns shall not use the surface of the Lessor's property for drilling or any other operation(s) without prior written consent of Lessor, which consent may be withheld at Lessor's discretion.

NOTE: Notwithstanding anything to the contrary herein contained, at the end of the primary term or any extension thereof by operations, if the Commissioner of Conservation of the State of Louisiana establishes a drilling unit which includes a part of the land herein leased, the production of oil, gas and other minerals from such unit shall maintain this lease in full force and effect only as to such portions of the leased land embraced in said unit, and this lease shall expire as to that part of the land herein leased not included in such unit, and Lessee, its successors and assign agrees to relinquish by formal instrument any portion of the leased land not included in a unit created by the Commissioner of Conservation while this lease is in effect.

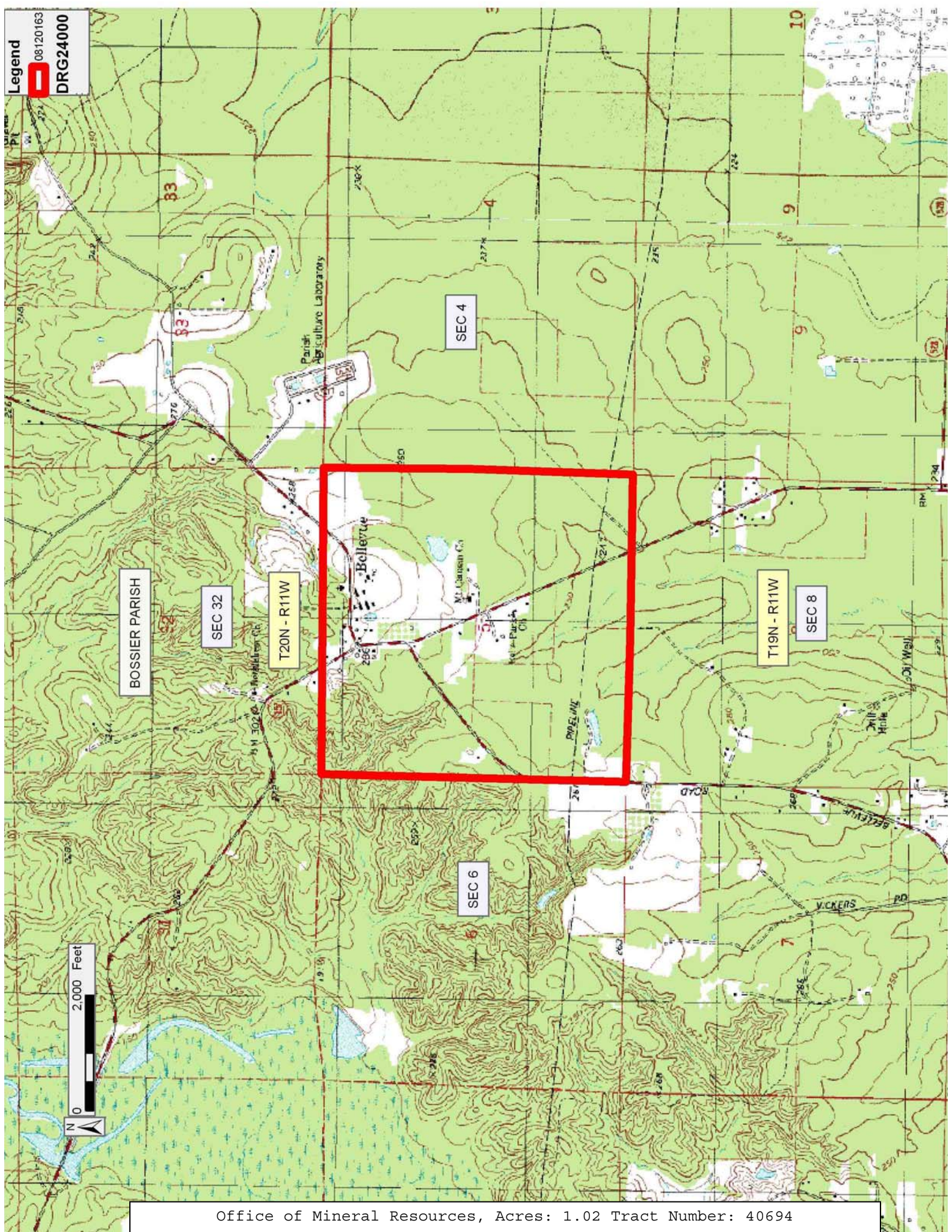
NOTE: Upon the expiration of the primary term hereof or any extension thereof by operations, this lease shall automatically terminate and be of no further force or effect except as to all that part of the leased premises then included within the geographical boundaries of a producing unit duly established by governmental agency or authority having jurisdiction, from the surface of the earth to a depth of 100 feet below the deepest depth from which any well commenced during the primary term hereof on the leased premises or on lands pooled therewith is completed and from which there is production in paying quantities, such determination to be made on a unit by unit basis. In the absence of units so established, this lease shall terminate except as to 40 acres around each producing oil well and 160 acres around each producing or shut-in gas well located on the leased premises, in as near the form of a square as is practicable, from the surface of the earth down to a depth of 100 feet below the deepest depth from which said well or wells are completed and from which there is production in paying quantities, such depth determination to be made on a well by well basis.

NOTE: All bids submitted shall be for the entire nomination including all tracts or parcels included therein.

NOTE: The Board will not consider any bonus of less than \$15,000.00 per acre and a royalty bid of less than 25%.

Applicant: EAST-CENTRAL BOSSIER PARISH FIRE DISTRICT NO. 1 to Agency and by Resolution from the East-Central Bossier Parish Fire District No. 1 authorizing the Mineral Board to act in its behalf

Bidder	Cash Payment	Price/Acre	Rental	Oil	Gas	Other



Legend
08120163
DRG24000

BOSSIER PARISH

SEC 32

T20N - R11W

SEC 4

SEC 6

T19N - R11W

SEC 8

TRACT 40695 - Bossier Parish, Louisiana

A certain Tract of land, excluding the beds and bottoms of all navigable waters, belonging to and not presently under mineral lease from East-Central Bossier Parish Fire District No. 1 on December 10, 2008, being more fully described as follows: A certain tract of land containing approximately .65 acres, more or less, located in Section 23, T19N R12W, Bossier Parish, Louisiana, Assessment Number 149,451. Acreage for this nomination is **.65 acres**, all as more particularly outlined on a plat on file in the Office of Mineral Resources, Department of Natural Resources. The description is based on information provided by the State Agency regarding location and ownership of surface and mineral rights. All bearings, distances and coordinates, if applicable, are based on Louisiana Coordinate System of 1927, (North or South Zone).

NOTE: The above description of the Tract nominated for lease has been provided and corrected, where required, exclusively by the nomination party. Any mineral lease selected from this Tract and awarded by the Louisiana State Mineral Board shall be without warranty of any kind, either express, implied, or statutory, including, but not limited to, the implied warranties of merchantability and fitness for a particular purpose. Should the mineral lease awarded by the Louisiana State Mineral Board be subsequently modified, cancelled or abrogated due to the existence of conflicting leases, operating agreements, private claims or other future obligations or conditions which may affect all or any portion of the leased Tract, it shall not relieve the Lessee of the obligation to pay any bonus due thereon to the Louisiana State Mineral Board, nor shall the Louisiana State Mineral Board be obligated to refund any consideration paid by the Lessor prior to such modification, cancellation, or abrogation, including, but not limited to, bonuses, rentals and royalties.

NOTE: Except as otherwise expressly authorized in writing by Lessor, Lessee, its successors or assigns, may produce oil, gas and other minerals from the leased premises by drilling from a surface location on other lands. Notwithstanding any other provision of this lease to the contrary, Lessee, its successors or assigns shall not use the surface of the Lessor's property for drilling or any other operation(s) without prior written consent of Lessor, which consent may be withheld at Lessor's discretion.

NOTE: Notwithstanding anything to the contrary herein contained, at the end of the primary term or any extension thereof by operations, if the Commissioner of Conservation of the State of Louisiana establishes a drilling unit which includes a part of the land herein leased, the production of oil, gas and other minerals from such unit shall maintain this lease in full force and effect only as to such portions of the leased land embraced in said unit, and this lease shall expire as to that part of the land herein leased not included in such unit, and Lessee, its successors and assign agrees to relinquish by formal instrument any

portion of the leased land not included in a unit created by the Commissioner of Conservation while this lease is in effect.

NOTE: Upon the expiration of the primary term hereof or any extension thereof by operations, this lease shall automatically terminate and be of no further force or effect except as to all that part of the leased premises then included within the geographical boundaries of a producing unit duly established by governmental agency or authority having jurisdiction, from the surface of the earth to a depth of 100 feet below the deepest depth from which any well commenced during the primary term hereof on the leased premises or on lands pooled therewith is completed and from which there is production in paying quantities, such determination to be made on a unit by unit basis. In the absence of units so established, this lease shall terminate except as to 40 acres around each producing oil well and 160 acres around each producing or shut-in gas well located on the leased premises, in as near the form of a square as is practicable, from the surface of the earth down to a depth of 100 feet below the deepest depth from which said well or wells are completed and from which there is production in paying quantities, such depth determination to be made on a well by well basis.

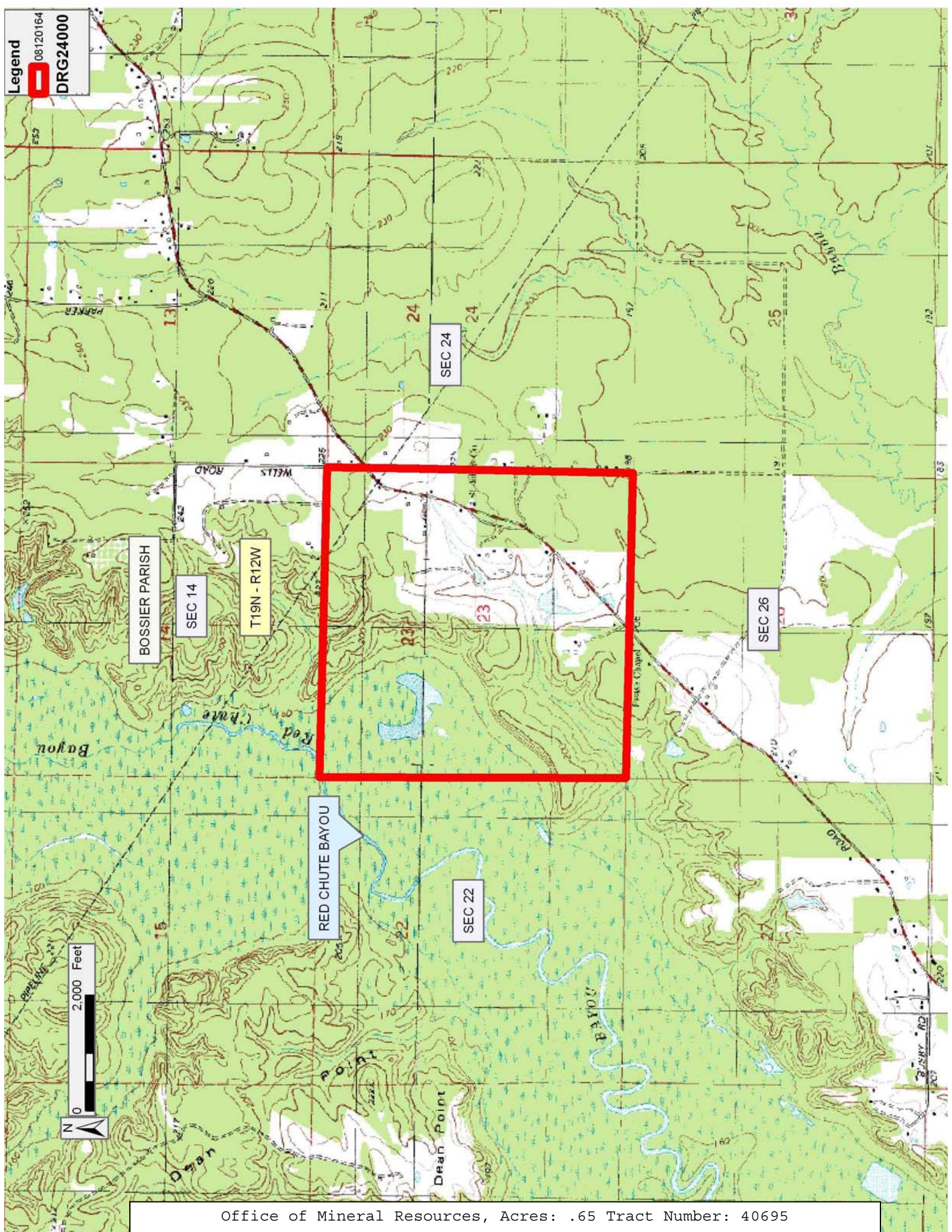
NOTE: The Board will not consider any bonus of less than \$15,000.00 per acre and a royalty bid of less than 25%.

NOTE: All bids submitted shall be for the entire nomination including all tracts or parcels included therein.

Applicant: EAST-CENTRAL BOSSIER PARISH FIRE DISTRICT NO. 1 to Agency and by Resolution from the East-Central Bossier Parish Fire District No. 1 authorizing the Mineral Board to act in its behalf

Bidder	Cash Payment	Price/Acre	Rental	Oil	Gas	Other

Legend
08120164
DRG24000



TRACT 40696 - Bossier Parish, Louisiana

A certain Tract of land, excluding the beds and bottoms of all navigable waters, belonging to and not presently under mineral lease from East-Central Bossier Parish Fire District No. 1 on December 10, 2008, being more fully described as follows: A certain tract of land containing approximately .11 acres, more or less, located in Section 9, T18N R12W, Bossier Parish, Louisiana, Assessment Number 148,293. A certain tract of land containing approximately .33 acres, more or less, located in Section 9, T18N R12W, Bossier Parish, Louisiana, Assessment Number 148,296. A certain tract of land containing approximately .17 acres, more or less, located in Section 14, T18N R12W, Bossier Parish, Louisiana, Assessment Number 148,294. A certain tract of land containing approximately 2 acres, more or less, located in Section 14, T18N R12W, Bossier Parish, Louisiana, Assessment Number 148,295; containing an aggregate of approximately **2.61 acres**, all as more particularly outlined on a plat on file in the Office of Mineral Resources, Department of Natural Resources. The description is based on information provided by the State Agency regarding location and ownership of surface and mineral rights. All bearings, distances and coordinates, if applicable, are based on Louisiana Coordinate System of 1927, (North or South Zone).

NOTE: The above description of the Tract nominated for lease has been provided and corrected, where required, exclusively by the nomination party. Any mineral lease selected from this Tract and awarded by the Louisiana State Mineral Board shall be without warranty of any kind, either express, implied, or statutory, including, but not limited to, the implied warranties of merchantability and fitness for a particular purpose. Should the mineral lease awarded by the Louisiana State Mineral Board be subsequently modified, cancelled or abrogated due to the existence of conflicting leases, operating agreements, private claims or other future obligations or conditions which may affect all or any portion of the leased Tract, it shall not relieve the Lessee of the obligation to pay any bonus due thereon to the Louisiana State Mineral Board, nor shall the Louisiana State Mineral Board be obligated to refund any consideration paid by the Lessor prior to such modification, cancellation, or abrogation, including, but not limited to, bonuses, rentals and royalties.

NOTE: Except as otherwise expressly authorized in writing by Lessor, Lessee, its successors or assigns, may produce oil, gas and other minerals from the leased premises by drilling from a surface location on other lands. Notwithstanding any other provision of this lease to the contrary, Lessee, its successors or assigns shall not use the surface of the Lessor's property for drilling or any other operation(s) without prior written consent of Lessor, which consent may be withheld at Lessor's discretion.

NOTE: Notwithstanding anything to the contrary herein contained, at the end of the primary term or any extension thereof by operations, if the Commissioner of Conservation of the State of Louisiana establishes a

drilling unit which includes a part of the land herein leased, the production of oil, gas and other minerals from such unit shall maintain this lease in full force and effect only as to such portions of the leased land embraced in said unit, and this lease shall expire as to that part of the land herein leased not included in such unit, and Lessee, its successors and assign agrees to relinquish by formal instrument any portion of the leased land not included in a unit created by the Commissioner of Conservation while this lease is in effect.

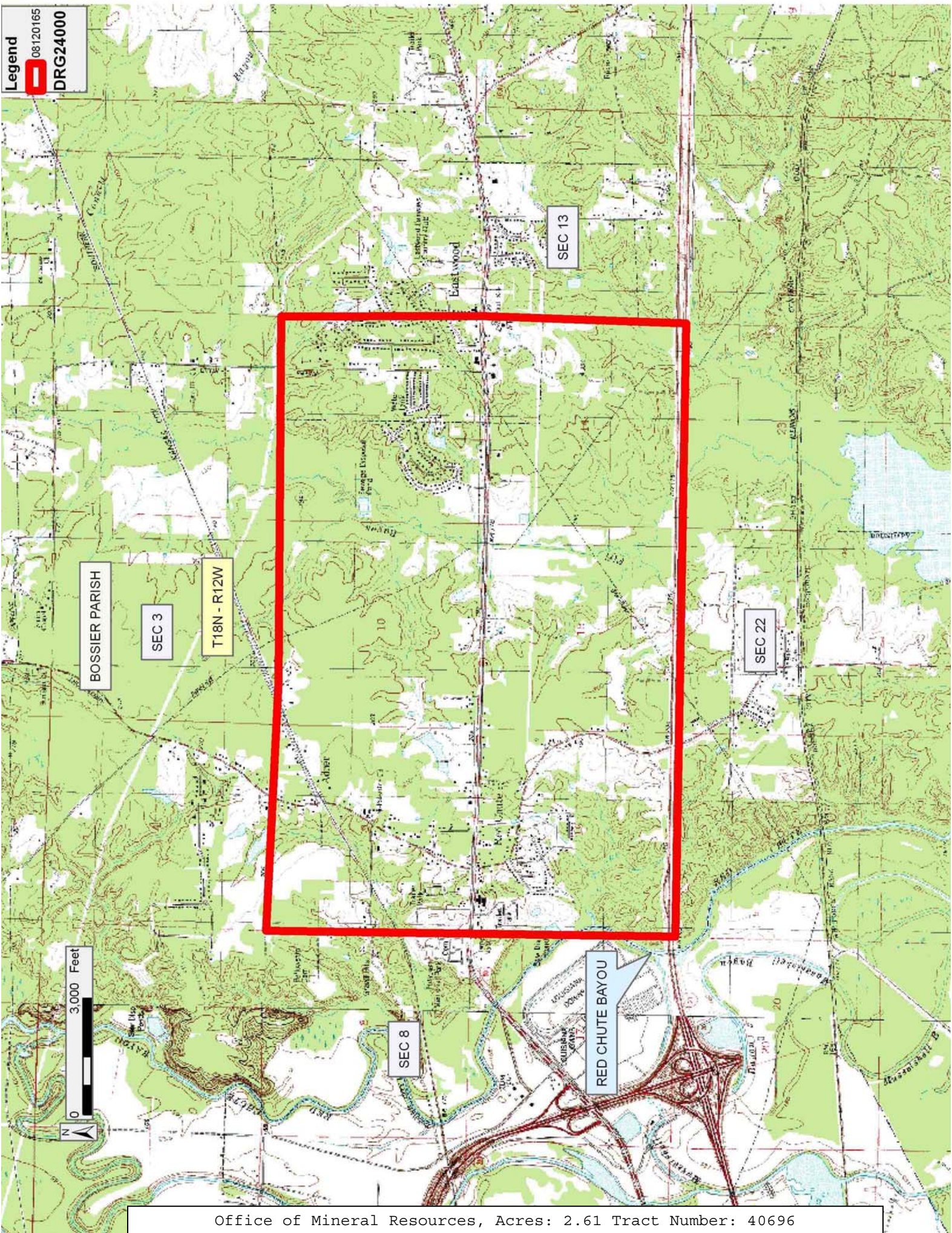
NOTE: Upon the expiration of the primary term hereof or any extension thereof by operations, this lease shall automatically terminate and be of no further force or effect except as to all that part of the leased premises then included within the geographical boundaries of a producing unit duly established by governmental agency or authority having jurisdiction, from the surface of the earth to a depth of 100 feet below the deepest depth from which any well commenced during the primary term hereof on the leased premises or on lands pooled therewith is completed and from which there is production in paying quantities, such determination to be made on a unit by unit basis. In the absence of units so established, this lease shall terminate except as to 40 acres around each producing oil well and 160 acres around each producing or shut-in gas well located on the leased premises, in as near the form of a square as is practicable, from the surface of the earth down to a depth of 100 feet below the deepest depth from which said well or wells are completed and from which there is production in paying quantities, such depth determination to be made on a well by well basis.

NOTE: The Board will not consider any bonus of less than \$15,000.00 per acre and a royalty bid of less than 25%.

NOTE: All bids submitted shall be for the entire nomination including all tracts or parcels included therein.

Applicant: EAST-CENTRAL BOSSIER PARISH FIRE DISTRICT NO. 1 to Agency and by Resolution from the East-Central Bossier Parish Fire District No. 1 authorizing the Mineral Board to act in its behalf

Bidder	Cash Payment	Price/Acre	Rental	Oil	Gas	Other



TRACT 40697 - Bossier Parish, Louisiana

A certain Tract of land, excluding the beds and bottoms of all navigable waters, belonging to and not presently under mineral lease from East-Central Bossier Parish Fire District No. 1 on December 10, 2008, being more fully described as follows: A certain tract of land containing approximately .36 acres, more or less, located in Section 9, T18N R11W, Bossier Parish, Louisiana, Assessment Number 148,292. Acreage for this nomination is **.36 acres**, all as more particularly outlined on a plat on file in the Office of Mineral Resources, Department of Natural Resources. The description is based on information provided by the State Agency regarding location and ownership of surface and mineral rights. All bearings, distances and coordinates, if applicable, are based on Louisiana Coordinate System of 1927, (North or South Zone).

NOTE: The above description of the Tract nominated for lease has been provided and corrected, where required, exclusively by the nomination party. Any mineral lease selected from this Tract and awarded by the Louisiana State Mineral Board shall be without warranty of any kind, either express, implied, or statutory, including, but not limited to, the implied warranties of merchantability and fitness for a particular purpose. Should the mineral lease awarded by the Louisiana State Mineral Board be subsequently modified, cancelled or abrogated due to the existence of conflicting leases, operating agreements, private claims or other future obligations or conditions which may affect all or any portion of the leased Tract, it shall not relieve the Lessee of the obligation to pay any bonus due thereon to the Louisiana State Mineral Board, nor shall the Louisiana State Mineral Board be obligated to refund any consideration paid by the Lessor prior to such modification, cancellation, or abrogation, including, but not limited to, bonuses, rentals and royalties.

NOTE: Except as otherwise expressly authorized in writing by Lessor, Lessee, its successors or assigns, may produce oil, gas and other minerals from the leased premises by drilling from a surface location on other lands. Notwithstanding any other provision of this lease to the contrary, Lessee, its successors or assigns shall not use the surface of the Lessor's property for drilling or any other operation(s) without prior written consent of Lessor, which consent may be withheld at Lessor's discretion.

NOTE: Notwithstanding anything to the contrary herein contained, at the end of the primary term or any extension thereof by operations, if the Commissioner of Conservation of the State of Louisiana establishes a drilling unit which includes a part of the land herein leased, the production of oil, gas and other minerals from such unit shall maintain this lease in full force and effect only as to such portions of the leased land embraced in said unit, and this lease shall expire as to that part of the land herein leased not included in such unit, and Lessee, its successors and assign agrees to relinquish by formal instrument any

portion of the leased land not included in a unit created by the Commissioner of Conservation while this lease is in effect.

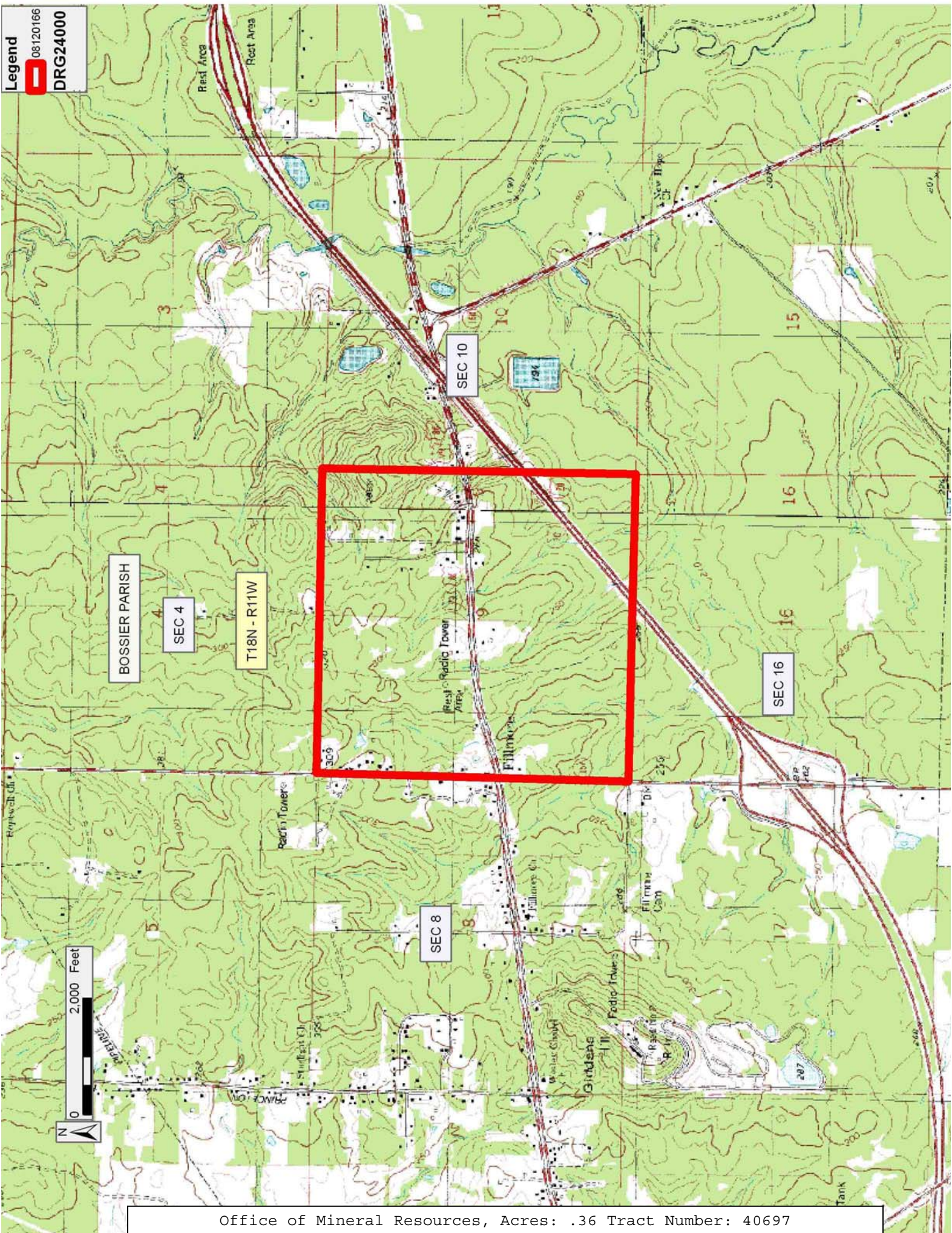
NOTE: Upon the expiration of the primary term hereof or any extension thereof by operations, this lease shall automatically terminate and be of no further force or effect except as to all that part of the leased premises then included within the geographical boundaries of a producing unit duly established by governmental agency or authority having jurisdiction, from the surface of the earth to a depth of 100 feet below the deepest depth from which any well commenced during the primary term hereof on the leased premises or on lands pooled therewith is completed and from which there is production in paying quantities, such determination to be made on a unit by unit basis. In the absence of units so established, this lease shall terminate except as to 40 acres around each producing oil well and 160 acres around each producing or shut-in gas well located on the leased premises, in as near the form of a square as is practicable, from the surface of the earth down to a depth of 100 feet below the deepest depth from which said well or wells are completed and from which there is production in paying quantities, such depth determination to be made on a well by well basis.

NOTE: The Board will not consider any bonus of less than \$15,000.00 per acre and a royalty bid of less than 25%.

NOTE: All bids submitted shall be for the entire nomination including all tracts or parcels included therein.

Applicant: EAST-CENTRAL BOSSIER PARISH FIRE DISTRICT NO. 1 to Agency and by Resolution from the East-Central Bossier Parish Fire District No. 1 authorizing the Mineral Board to act in its behalf

Bidder	Cash Payment	Price/Acre	Rental	Oil	Gas	Other



TRACT 40698 - Caddo Parish, Louisiana

A certain Tract of land, excluding the beds and bottoms of all navigable waters, belonging to and not presently under mineral lease from Louisiana State University System on December 10, 2008, being more fully described as follows: All of the following Lots in the Foster Terrace Subdivision: Lots 25,26,27,28,31,33,34,35,36, 39,47,West 5 feet of lot 48, East 45 feet of Lot 48, West 33 feet of Lot 50, East 17 feet of Lot 51 and the West 28 of Lot 51, East portion of Lot 52 measuring 32.38 feet on front and 31.90 feet on Rear, 54, 58, 59, 60,61,62,63,64,69,70,71, AND 72; in all containing 4.10 acres, more or less. Lots 37,38,40,41,42,43,44,45,46 with the adjacent abandoned South half of Woodrow Street; in all containing 2 acres, more or less. All of the following Lots in the Sunny Slope Subdivision Addition: Lots 17,18,19, East 20 of Lot 16, West 20 feet of Lot 20 of Block L; in all containing 1 acres, more or less. East 10 feet of Lots 110 114, East 10 feet of the South 2.8 feet of Lot 109, West 65 feet of Lots 115 119, West 65 feet of South 2.8 feet of Lot 129 of the Re survey of Blocks A, B, AND F, Sunny Slope Subdivision Addition; in all containing 0.38 acres, more or less. Lot 1, Louisiana State University Medical Center Unit No. 2 and Lot 1, Louisiana State University Medical Unit 1 with the adjacent abandoned Woodrow Street; in all containing 43 acres, more or less, comprising a aggregate of approximately **50.48 acres**, all as more particularly outlined on a plat on file in the Office of Mineral Resources, Department of Natural Resources. The description is based on information provided by the State Agency regarding location and ownership of surface and mineral rights. All bearings, distances and coordinates, if applicable, are based on Louisiana Coordinate System of 1927, (North or South Zone).

NOTE: The above description of the Tract nominated for lease has been provided and corrected, where required, exclusively by the nomination party. Any mineral lease selected from this Tract and awarded by the Louisiana State Mineral Board shall be without warranty of any kind, either express, implied, or statutory, including, but not limited to, the implied warranties of merchantability and fitness for a particular purpose. Should the mineral lease awarded by the Louisiana State Mineral Board be subsequently modified, cancelled or abrogated due to the existence of conflicting leases, operating agreements, private claims or other future obligations or conditions which may affect all or any portion of the leased Tract, it shall not relieve the Lessee of the obligation to pay any bonus due thereon to the Louisiana State Mineral Board, nor shall the Louisiana State Mineral Board be obligated to refund any consideration paid by the Lessor prior to such modification, cancellation, or abrogation, including, but not limited to, bonuses, rentals and royalties.

NOTE: It is distinctly understood and agreed that the lands comprising the leased premises are being used and have been used for many years as an agricultural research station and/or for purposes of an educational institution and that in the drilling of wells and the production thereof and conducting operations hereunder, LESSEE shall not affect the use of

said lands for such purposes. Notwithstanding any other provisions hereof, the LESSOR'S approval, in writing and recorded in the records of the clerk of court for the parish in which the leased premise is located, is required as to the time, place and type of operations, if any, to be allowed on the surface of the leased premises, or within 4000 feet below the surface, and such decision by the LESSOR shall be final and conclusive. LESSEE shall conduct all operations on the property to occupy as little surface area as is reasonably necessary and to cause the least damage, interference or inconvenience to LESSOR and LESSOR'S present and future tenants. Not more than one battery of tanks shall be placed on the leased premises. No building or structures shall be placed on said leased premises except such as are absolutely necessary for the production of the named minerals, and LESSEE must obtain LESSOR'S written consent prior to construction of permanent buildings or structures. No well shall be drilled within two hundred feet (200') of any residence, water well, barn or other building on said land without LESSOR'S written consent. LESSEE shall have no right to construct pipelines or use roads across the leased premises unless the leased premises participates in the production carried through such pipelines or participates in production from each well serviced by such roads.

NOTE: Prior to building any roads on the leased premises, LESSEE shall give LESSOR thirty (30) days written notice. Said notice, shall be accompanied by a plat showing the proposed location. Any existing all weather road (shell, limestone or gravel) on the premises used in exploration, shall be shelled with one inch (1") of clam shell or crushed rock, two inches (2") of reef shell, or a comparable amount of limestone, prior to the commencement of operations so as to maintain the integrity of the roadbed with the use of heavy oil field equipment. Roads must be maintained to this standard as needed. Any dirt road following field boundaries or other permanent field dirt roads must be used rather than constructing new roads. Dirt roads used must be shelled with three inches (3") of reef shell or three inches (3") of clam shell or crushed rock, or a comparable amount of limestone, so as to make them all weather and permanent. Upon LESSOR'S demand, LESSEE shall build, at its sole expense, permanent roads to each producing location on the property. Such roads shall be properly ditched, and bridged for drainage, follow existing roads to the extent possible, and trace section and field boundaries where possible. Should such roads cross fence lines, LESSEE shall build permanent cattle guards and install corner posts and swinging gates. LESSEE shall maintain complete enclosure at all times where fences exist, especially to maintain security of LESSOR'S forests, cattle and crops. LESSEE shall immediately restore all fences cut or altered by reason of its operations. All fences repaired shall be maintained at existing tension or stronger. All wood posts installed by LESSEE shall be Evr-wood or equal, not less than six inches in diameter and eight feet in length. All wood fence braces placed by LESSEE shall consist of at least two pieces of two by six inch Evr-wood or equal lumber. Vehicular equipment

utilized by LESSEE shall not traverse the property during wet conditions except over all weather roads.

NOTE: LESSEE shall at its sole expense construct permanent fencing to enclose pumping units, reserve pits, tank batteries and machinery. LESSEE shall give thirty (30) days notice prior to conducting any operations, including, but not limited to, the building of roads, pits and drill sites on the property which will necessitate the cutting of timber or the disturbing of crops, livestock or other experiments, educational activities, or research. The notice will be in writing and will be accompanied by a plat or map, showing the proposed location of such operations. LESSEE shall not, without the express written approval of LESSOR, use, employ or construct earthen pits as part of its operations on the lands held hereunder. All pits and other excavations, including canals and ditches, if allowed on the premises, when no longer required, shall be emptied of sludge and other contents, which shall be disposed of off of the leased premises, and shall be filled, tamped and leveled as required by LESSOR.

NOTE: LESSEE, shall bury and maintain all pipe installed on the property to a depth of at least forty-eight inches (48") measured from the land's normal existing surface to the top of the pipe, it being contemplated that this depth will permit safe movement of heavy equipment and plowing and leveling operations over the pipe. All topsoil must be placed on top of the clay when backfilling ditches so as to keep the integrity of the surface the same as before ditching. Should soil consistency or ground conditions indicate a deeper installation depth for safe movement of equipment and plowing, then LESSEE shall install and maintain the pipe at a greater depth so the pipe and equipment are protected. Should the pipe traverse drainage canals, drainage ditches, irrigation canals or bayous, LESSEE shall bury and maintain the pipe at these locations so that the top of the pipe shall be not less than sixty inches (60") below the bottom of the canals, ditches or bayous. Under no circumstances will LESSEE impede drainage or irrigation of the property. LESSEE shall not construct canals or ditches without LESSOR'S prior written approval. LESSOR shall have the right to compel LESSEE to construct bulkheads, plugs, dams and other structures required to regulate effectively the flow of water in each ditch, canal confluence and intersection constructed by LESSEE. All these structures shall be installed and maintained by LESSEE at its expense.

NOTE: The ground around the wells and all installations shall be kept free of trash and debris and kept in as good condition as the surrounding terrain. In all disputes involving discharge of oil, saltwater or other noxious substances on the property, LESSEE shall bear the burden of proving these substances did not originate from its operations and that the presence of such substances did not damage the leased premises or LESSOR'S other property. LESSEE shall not store saltwater on the surface except in fiberglass or steel tankage on a temporary basis. Injection below all fresh water sands or disposing of saltwater off of the leased

premises shall be the sole permissible method of saltwater disposal. Only saltwater from the leased premises may be injected in injection wells on the leased premises. LESSEE shall not discharge other noxious substances onto or under the property. Within ninety (90) days after the completion or abandonment of each well, the land surrounding that well (the surface of which may have been disturbed by the operations hereunder) shall be restored by LESSEE to as close as reasonably possible its condition prior to being so disturbed without regard to wear and tear or custom in the industry. Any equipment, machinery, buildings, fences, or other items placed on the property by LESSEE shall be removed if so required by LESSOR within the time period allotted herein. If LESSEE fails to fulfill these obligations after demand has been made to do so, LESSOR may have the necessary work done to accomplish this at LESSEE'S expense, even if this lease has otherwise terminated. Should LESSOR be required to legally enforce its rights under this paragraph and, as a result, LESSEE be held responsible for restoration costs, LESSOR shall be entitled to recover its costs and expenses of such enforcement and reasonable attorney's fees from LESSEE.

NOTE: Following abandonment of exploration or drilling operations, or termination of production or plugging and remediation activities, LESSEE shall notify LESSOR in writing of the existence of any roads on the leased premises which are no longer required for its operations, and LESSEE shall remove all roads it may have constructed incident to the operations on the leased premises which have been terminated, unless LESSOR gives LESSEE written notice to leave the roads in good condition and intact. In the event of removal in accordance with the preceding sentence, LESSEE shall restore the areas underlying the roads as close as reasonably possible to their original condition, without regard to wear and tear or the custom in the industry, and shall apply sufficient fertilizer, soil dressing and seed to restore vegetation, and provide adequate drainage. Upon termination of this lease, or portion thereof upon which pipelines are located, LESSEE shall notify LESSOR in writing that pipelines exist on the leased premises and request authority to remove them, which is required if LESSOR so requires. LESSEE shall not have the right to remove the pipelines if LESSOR requests that they stay.

NOTE: If LESSOR determines that the pipelines are not to be removed, LESSOR shall notify LESSEE in writing, and LESSEE shall flush all pipelines, fill them with water and cap the ends to a permanent seal. LESSOR shall have the right to retain all of the fresh water wells drilled by LESSEE on the property and the related pumps, upon paying the salvage value of the equipment in and on the well, less the cost of salvage. LESSEE, at its cost, shall remove all mud and chemicals from the premises upon cessation of drilling operations, backfill all pits and ditches, as previously provided, fertilize and otherwise restore the soils fertility level in the area upon which it conducted operations, and fully restore the property to as close as reasonably possible its condition prior to LESSEE'S operations, without regard to wear and tear or the custom in the

industry. LESSEE shall furnish bond as may be required at any time or times by LESSOR, or such other security in lieu thereof as may be acceptable to LESSOR, conditioned upon faithful performance of the obligations set forth in this lease.

NOTE: On behalf of itself, its agents, employees, successors, sublessees, transferees and assigns, LESSEE shall defend, indemnify, and hold harmless LESSOR from: (1) any and all liabilities (including strict liability), actions, suits, demands, penalties, or losses (including, without limitation, claims for property damages, property value diminution, personal injuries, remedial costs, natural resource damages, restoration costs, and non-compliance penalties); (2) costs or expenses (including without limitation, court costs, administrative appeal costs, and attorneys' fees); (3) costs of any settlement or judgment regarding any of the foregoing; and, (4) any other claims of any and every kind whatsoever; each of the above obligations being in force and effect regardless of how the liability is caused or occurs, including liability resulting from the sole or concurrent negligence of LESSOR, LESSEE or other parties and including liability arising under theories other than negligence; said liabilities including without limitation liability for injuries or death to persons or damage to property, either belonging to LESSOR or to others, which may now or in the future (whether during or after the term of this Lease) be paid, incurred, suffered by, or asserted against LESSOR by any person or entity or governmental agency for, with respect to, or as a direct or indirect result of this Lease or any obligation, operation, activity, action or inaction of LESSEE hereunder, including without limitation any of such arising or in connection with any exploration, drilling, equipping, completing, testing, producing, transporting, plugging, or abandoning of any well or wells on the leased premises or on acreage pooled or unitized therewith or arising out of or in connection with: (1) the presence on or under the leased premises; or (2) the escape, seepage, leakage, spillage, emission, or discharge, onto or off the leased premises; or (3) the exposure of any person; of or to, any substance, waste, or material defined in or regulated by any environmental law, rule or regulation, or any condition of the leased premises which would concern the applicability of any environmental law, rule or regulation. The indemnity provided in this paragraph shall inure, by stipulation pour autrui, to the benefit of agents, employees, and servants of LESSOR, and any one of them may exercise this right of indemnity against LESSEE independently or LESSOR or of others.

NOTE: Notwithstanding any other provisions contained herein, after the expiration of the primary term, production on the leased premises, or lands pooled with any portion thereof, shall maintain this lease in force only as to a depth of 100 feet below the deepest formation tested by a well on the leased premises or on a unit including a portion of the leased premises. At the expiration of the primary term, this lease shall then terminate as to all depths below said depth; but as to the leased premises above said depth the lease shall be maintained in accordance with the

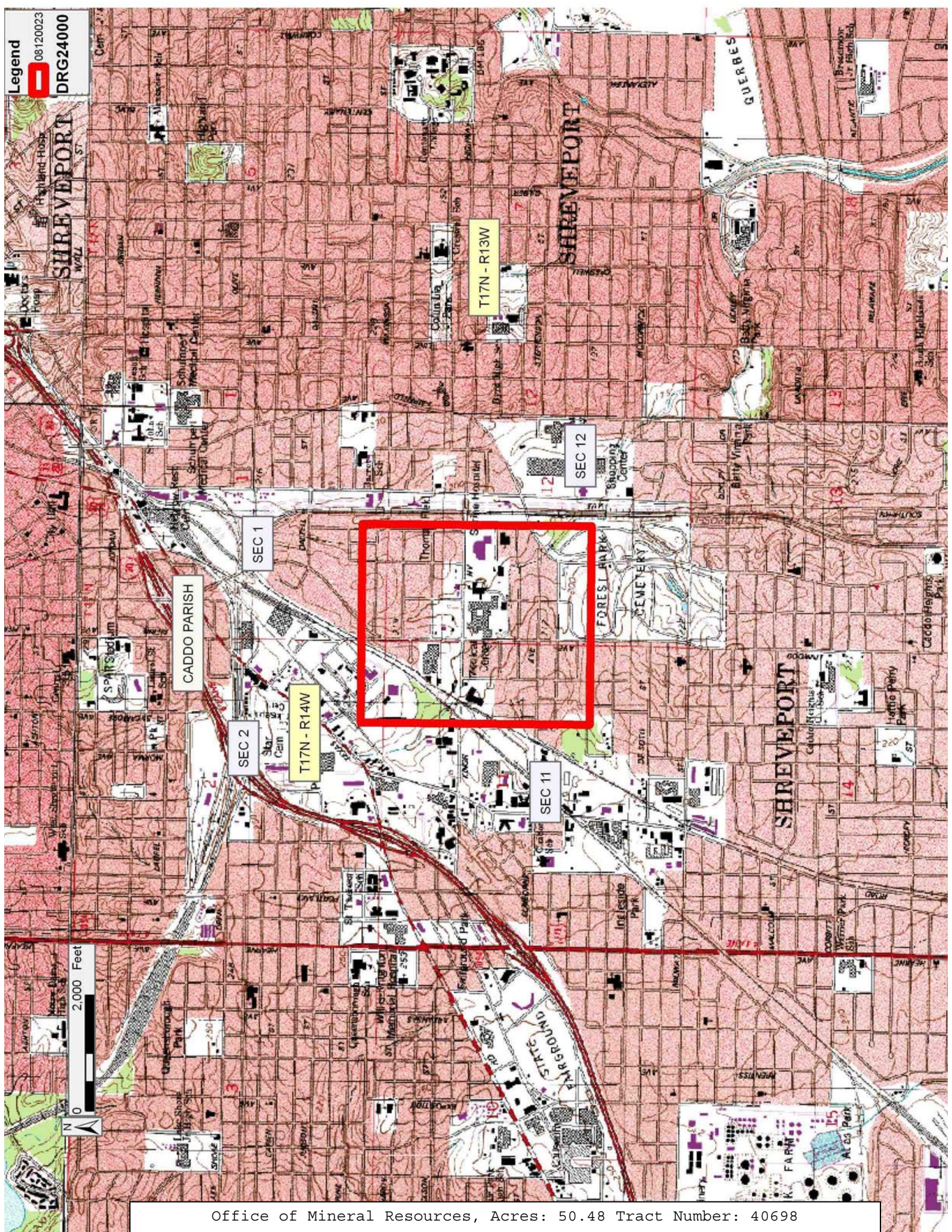
other provisions hereof. Competent engineering and scientific evidence shall be admissible and sufficient in any proceeding to establish the extent of LESSOR'S injury and the measure of the award for damages arising from a breach of this lease. LESSOR or LESSOR'S representative, at their respective risk, shall be entitled at all reasonable times, to inspect meters, or run its own independent tests to monitor or to determine production, or witness these operations conducted by LESSEE. After production of oil or gas is secured from the leased premises, or lands unitized therewith, LESSEE shall, on LESSOR'S written request, furnish or cause to be furnished on a monthly basis to LESSOR, flow charts and a copy of the Office of Conservation OGP Reports, R-5-D, DM-1R and DT-1 reports or successor reports showing production from any well from which LESSOR receives royalties under the terms of this lease.

NOTE: If, in the event of production, a division order is circulated by LESSEE or by a purchaser of production, such division order will be a simple statement of interest containing no warranty or indemnity clauses and containing no clauses modifying in any way the terms of this lease. The insertion of any such clause will be of no force and effect. It is agreed and understood that LESSEE shall not assign this lease or execute a sublease without the written consent of LESSOR, and said consent shall only be valid upon approval of the assignment or sublease by resolution of the Louisiana State University Board of Supervisors. Further, such assignment, sublease or transfer shall not relieve the assignor, sublessor or transferor of obligations or liabilities under this lease, past, present or future, unless the LESSOR has discharged him expressly and in writing. LESSEE, on request, shall furnish LESSOR with a copy of the abstract of title, survey, title opinion and map showing pipelines in regard to the leased premises. In paragraph 6(a) of the printed State Agency Lease herein, wherever the word "average" appears, the word "highest" shall be substituted. In paragraph 6(b) of the printed State Agency Lease herein, wherever the word "average" appears, the word "highest" shall be substituted. Paragraph 13 of the printed form of the lease is omitted. In order for this lease to be valid, LESSEE shall be registered with the Office of Mineral Resources, State of Louisiana and if LESSEE is an entity which can register with the Secretary of State, State of Louisiana, LESSEE shall provide to LESSOR a certificate of good standing from the Secretary of State, State of Louisiana, within sixty (60) days after the execution of this lease. Approval of assignments shall be contingent upon the providing of such certificates for each assignee. Notwithstanding anything to the contrary contained herein, this lease shall not grant LESSEE the right to explore for, drill for, or produce geothermal resources as defined by La. R.S. 30:801.

NOTE: The Board will not consider any bid of less than \$15,000.00 per acre bonus and royalty of not less than 25%.

Applicant: TWIN CITIES DEVELOPMENT to Agency and by Resolution from the Louisiana State University System authorizing the Mineral Board to act in its behalf

Bidder	Cash Payment	Price/Acre	Rental	Oil	Gas	Other



Office of Mineral Resources, Acres: 50.48 Tract Number: 40698

TRACT 40699 - Caddo Parish, Louisiana

A certain Tract of land, excluding the beds and bottoms of all navigable waters, belonging to and not presently under mineral lease from Louisiana State University System on December 10, 2008, being more fully described as follows: The entire following described parcel; A tract of land in Lots 125 and 126 of Dixie Gardens, a subdivision in Caddo Parish, Louisiana, as per plat recorded in Book 150, pages 410 and 411 of Conveyance Records of Caddo Parish, Louisiana and being located East of the center line of the Red River Levee and West of the Westerly right of way line of East 70th Street Extension and being more particularly described as follows; Begin at the intersection of the South line of the North half of said Lot 126 with the Westerly right of way line of East 70th Street Extension, Thence run North 70 degrees 33 minutes West along the South Line of the North half of Lot 126 a distance of 141.65 feet to the centerline of Red River Levee; Thence run North 27 degrees 37 minutes East along the centerline of Red River Levee 198.05 feet; Thence South 70 Degrees 39 minutes East 177.74 feet to the Westerly right of line of East 70th Street Extension; Thence run South 30 Degrees 06 Minutes West along said right of way 5.97 feet to a concrete monument; Thence continue along said right of way South 37 Degrees 44 Minutes West 210.25 feet to the point of beginning containing **0.72 acres**, all as more particularly outlined on a plat on file in the Office of Mineral Resources, Department of Natural Resources. The description is based on information provided by the State Agency regarding location and ownership of surface and mineral rights. All bearings, distances and coordinates, if applicable, are based on Louisiana Coordinate System of 1927, (North or South Zone).

NOTE: The above description of the Tract nominated for lease has been provided and corrected, where required, exclusively by the nomination party. Any mineral lease selected from this Tract and awarded by the Louisiana State Mineral Board shall be without warranty of any kind, either express, implied, or statutory, including, but not limited to, the implied warranties of merchantability and fitness for a particular purpose. Should the mineral lease awarded by the Louisiana State Mineral Board be subsequently modified, cancelled or abrogated due to the existence of conflicting leases, operating agreements, private claims or other future obligations or conditions which may affect all or any portion of the leased Tract, it shall not relieve the Lessee of the obligation to pay any bonus due thereon to the Louisiana State Mineral Board, nor shall the Louisiana State Mineral Board be obligated to refund any consideration paid by the Lessor prior to such modification, cancellation, or abrogation, including, but not limited to, bonuses, rentals and royalties.

NOTE: It is distinctly understood and agreed that the lands comprising the leased premises are being used and have been used for many years as an agricultural research station and/or for purposes of an educational institution and that in the drilling of wells and the production thereof and conducting operations hereunder, LESSEE shall not affect the use of said lands for such purposes. Notwithstanding any other provisions hereof,

the LESSOR'S approval, in writing and recorded in the records of the clerk of court for the parish in which the leased premise is located, is required as to the time, place and type of operations, if any, to be allowed on the surface of the leased premises, or within 4000 feet below the surface, and such decision by the LESSOR shall be final and conclusive. LESSEE shall conduct all operations on the property to occupy as little surface area as is reasonably necessary and to cause the least damage, interference or inconvenience to LESSOR and LESSOR'S present and future tenants. Not more than one battery of tanks shall be placed on the leased premises. No building or structures shall be placed on said leased premises except such as are absolutely necessary for the production of the named minerals, and LESSEE must obtain LESSOR'S written consent prior to construction of permanent buildings or structures. No well shall be drilled within two hundred feet (200') of any residence, water well, barn or other building on said land without LESSOR'S written consent. LESSEE shall have no right to construct pipelines or use roads across the leased premises unless the leased premises participates in the production carried through such pipelines or participates in production from each well serviced by such roads.

NOTE: Prior to building any roads on the leased premises, LESSEE shall give LESSOR thirty (30) days written notice. Said notice, shall be accompanied by a plat showing the proposed location. Any existing all weather road (shell, limestone or gravel) on the premises used in exploration, shall be shelled with one inch (1") of clam shell or crushed rock, two inches (2") of reef shell, or a comparable amount of limestone, prior to the commencement of operations so as to maintain the integrity of the roadbed with the use of heavy oil field equipment. Roads must be maintained to this standard as needed. Any dirt road following field boundaries or other permanent field dirt roads must be used rather than constructing new roads. Dirt roads used must be shelled with three inches (3") of reef shell or three inches (3") of clam shell or crushed rock, or a comparable amount of limestone, so as to make them all weather and permanent. Upon LESSOR'S demand, LESSEE shall build, at its sole expense, permanent roads to each producing location on the property. Such roads shall be properly ditched, and bridged for drainage, follow existing roads to the extent possible, and trace section and field boundaries where possible. Should such roads cross fence lines, LESSEE shall build permanent cattle guards and install corner posts and swinging gates. LESSEE shall maintain complete enclosure at all times where fences exist, especially to maintain security of LESSOR'S forests, cattle and crops. LESSEE shall immediately restore all fences cut or altered by reason of its operations. All fences repaired shall be maintained at existing tension or stronger. All wood posts installed by LESSEE shall be Evr-wood or equal, not less than six inches in diameter and eight feet in length. All wood fence braces placed by LESSEE shall consist of at least two pieces of two by six inch Evr-wood or equal lumber. Vehicular equipment utilized by LESSEE shall not traverse the property during wet conditions except over all weather roads.

NOTE: LESSEE shall at its sole expense construct permanent fencing to enclose pumping units, reserve pits, tank batteries and machinery. LESSEE shall give thirty (30) days notice prior to conducting any operations, including, but not limited to, the building of roads, pits and drill sites on the property which will necessitate the cutting of timber or the disturbing of crops, livestock or other experiments, educational activities, or research. The notice will be in writing and will be accompanied by a plat or map, showing the proposed location of such operations. LESSEE shall not, without the express written approval of LESSOR, use, employ or construct earthen pits as part of its operations on the lands held hereunder. All pits and other excavations, including canals and ditches, if allowed on the premises, when no longer required, shall be emptied of sludge and other contents, which shall be disposed of off of the leased premises, and shall be filled, tamped and leveled as required by LESSOR.

NOTE: LESSEE, shall bury and maintain all pipe installed on the property to a depth of at least forty-eight inches (48") measured from the land's normal existing surface to the top of the pipe, it being contemplated that this depth will permit safe movement of heavy equipment and plowing and leveling operations over the pipe. All topsoil must be placed on top of the clay when backfilling ditches so as to keep the integrity of the surface the same as before ditching. Should soil consistency or ground conditions indicate a deeper installation depth for safe movement of equipment and plowing, then LESSEE shall install and maintain the pipe at a greater depth so the pipe and equipment are protected. Should the pipe traverse drainage canals, drainage ditches, irrigation canals or bayous, LESSEE shall bury and maintain the pipe at these locations so that the top of the pipe shall be not less than sixty inches (60") below the bottom of the canals, ditches or bayous. Under no circumstances will LESSEE impede drainage or irrigation of the property. LESSEE shall not construct canals or ditches without LESSOR'S prior written approval. LESSOR shall have the right to compel LESSEE to construct bulkheads, plugs, dams and other structures required to regulate effectively the flow of water in each ditch, canal confluence and intersection constructed by LESSEE. All these structures shall be installed and maintained by LESSEE at its expense.

NOTE: The ground around the wells and all installations shall be kept free of trash and debris and kept in as good condition as the surrounding terrain. In all disputes involving discharge of oil, saltwater or other noxious substances on the property, LESSEE shall bear the burden of proving these substances did not originate from its operations and that the presence of such substances did not damage the leased premises or LESSOR'S other property. LESSEE shall not store saltwater on the surface except in fiberglass or steel tankage on a temporary basis. Injection below all fresh water sands or disposing of saltwater off of the leased premises shall be the sole permissible method of saltwater disposal. Only saltwater from the leased premises may be injected in injection wells on

the leased premises. LESSEE shall not discharge other noxious substances onto or under the property. Within ninety (90) days after the completion or abandonment of each well, the land surrounding that well (the surface of which may have been disturbed by the operations hereunder) shall be restored by LESSEE to as close as reasonably possible its condition prior to being so disturbed without regard to wear and tear or custom in the industry. Any equipment, machinery, buildings, fences, or other items placed on the property by LESSEE shall be removed if so required by LESSOR within the time period allotted herein. If LESSEE fails to fulfill these obligation after demand has been made to do so, LESSOR may have the necessary work done to accomplish this at LESSEE'S expense, even if this lease has otherwise terminated. Should LESSOR be required to legally enforce its rights under this paragraph and, as a result, LESSEE be held responsible for restoration costs, LESSOR shall be entitled to recover its costs and expenses of such enforcement and reasonable attorney's fees from LESSEE.

NOTE: Following abandonment of exploration or drilling operations, or termination of production or plugging and remediation activities, LESSEE shall notify LESSOR in writing of the existence of any roads on the leased premises which are no longer required for its operations, and LESSEE shall remove all roads it may have constructed incident to the operations on the leased premises which have been terminated, unless LESSOR gives LESSEE written notice to leave the roads in good condition and intact. In the event of removal in accordance with the preceding sentence, LESSEE shall restore the areas underlying the roads as close as reasonably possible to their original condition, without regard to wear and tear or the custom in the industry, and shall apply sufficient fertilizer, soil dressing and seed to restore vegetation, and provide adequate drainage. Upon termination of this lease, or portion thereof upon which pipelines are located, LESSEE shall notify LESSOR in writing that pipelines exist on the leased premises and request authority to remove them, which is required if LESSOR so requires. LESSEE shall not have the right to remove the pipelines if LESSOR requests that they stay.

NOTE: If LESSOR determines that the pipelines are not to be removed, LESSOR shall notify LESSEE in writing, and LESSEE shall flush all pipelines, fill them with water and cap the ends to a permanent seal. LESSOR shall have the right to retain all of the fresh water wells drilled by LESSEE on the property and the related pumps, upon paying the salvage value of the equipment in and on the well, less the cost of salvage. LESSEE, at its cost, shall remove all mud and chemicals from the premises upon cessation of drilling operations, backfill all pits and ditches, as previously provided, fertilize and otherwise restore the soils fertility level in the area upon which it conducted operations, and fully restore the property to as close as reasonably possible its condition prior to LESSEE'S operations, without regard to wear and tear or the custom in the industry. LESSEE shall furnish bond as may be required at any time or times by LESSOR, or such other security in lieu thereof as may be

acceptable to LESSOR, conditioned upon faithful performance of the obligations set forth in this lease.

NOTE: On behalf of itself, its agents, employees, successors, sublessees, transferees and assigns, LESSEE shall defend, indemnify, and hold harmless LESSOR from: (1) any and all liabilities (including strict liability), actions, suits, demands, penalties, or losses (including, without limitation, claims for property damages, property value diminution, personal injuries, remedial costs, natural resource damages, restoration costs, and non-compliance penalties); (2) costs or expenses (including without limitation, court costs, administrative appeal costs, and attorneys' fees); (3) costs of any settlement or judgment regarding any of the foregoing; and, (4) any other claims of any and every kind whatsoever; each of the above obligations being in force and effect regardless of how the liability is caused or occurs, including liability resulting from the sole or concurrent negligence of LESSOR, LESSEE or other parties and including liability arising under theories other than negligence; said liabilities including without limitation liability for injuries or death to persons or damage to property, either belonging to LESSOR or to others, which may now or in the future (whether during or after the term of this Lease) be paid, incurred, suffered by, or asserted against LESSOR by any person or entity or governmental agency for, with respect to, or as a direct or indirect result of this Lease or any obligation, operation, activity, action or inaction of LESSEE hereunder, including without limitation any of such arising or in connection with any exploration, drilling, equipping, completing, testing, producing, transporting, plugging, or abandoning of any well or wells on the leased premises or on acreage pooled or unitized therewith or arising out of or in connection with: (1) the presence on or under the leased premises; or (2) the escape, seepage, leakage, spillage, emission, or discharge, onto or off the leased premises; or (3) the exposure of any person; of or to, any substance, waste, or material defined in or regulated by any environmental law, rule or regulation, or any condition of the leased premises which would concern the applicability of any environmental law, rule or regulation. The indemnity provided in this paragraph shall inure, by stipulation pour autrui, to the benefit of agents, employees, and servants of LESSOR, and any one of them may exercise this right of indemnity against LESSEE independently or LESSOR or of others.

NOTE: Notwithstanding any other provisions contained herein, after the expiration of the primary term, production on the leased premises, or lands pooled with any portion thereof, shall maintain this lease in force only as to a depth of 100 feet below the deepest formation tested by a well on the leased premises or on a unit including a portion of the leased premises. At the expiration of the primary term, this lease shall then terminate as to all depths below said depth; but as to the leased premises above said depth the lease shall be maintained in accordance with the other provisions hereof. Competent engineering and scientific evidence shall be admissible and sufficient in any proceeding to establish the

extent of LESSOR'S injury and the measure of the award for damages arising from a breach of this lease. LESSOR or LESSOR'S representative, at their respective risk, shall be entitled at all reasonable times, to inspect meters, or run its own independent tests to monitor or to determine production, or witness these operations conducted by LESSEE. After production of oil or gas is secured from the leased premises, or lands unitized therewith, LESSEE shall, on LESSOR'S written request, furnish or cause to be furnished on a monthly basis to LESSOR, flow charts and a copy of the Office of Conservation OGP Reports, R-5-D, DM-1R and DT-1 reports or successor reports showing production from any well from which LESSOR receives royalties under the terms of this lease.

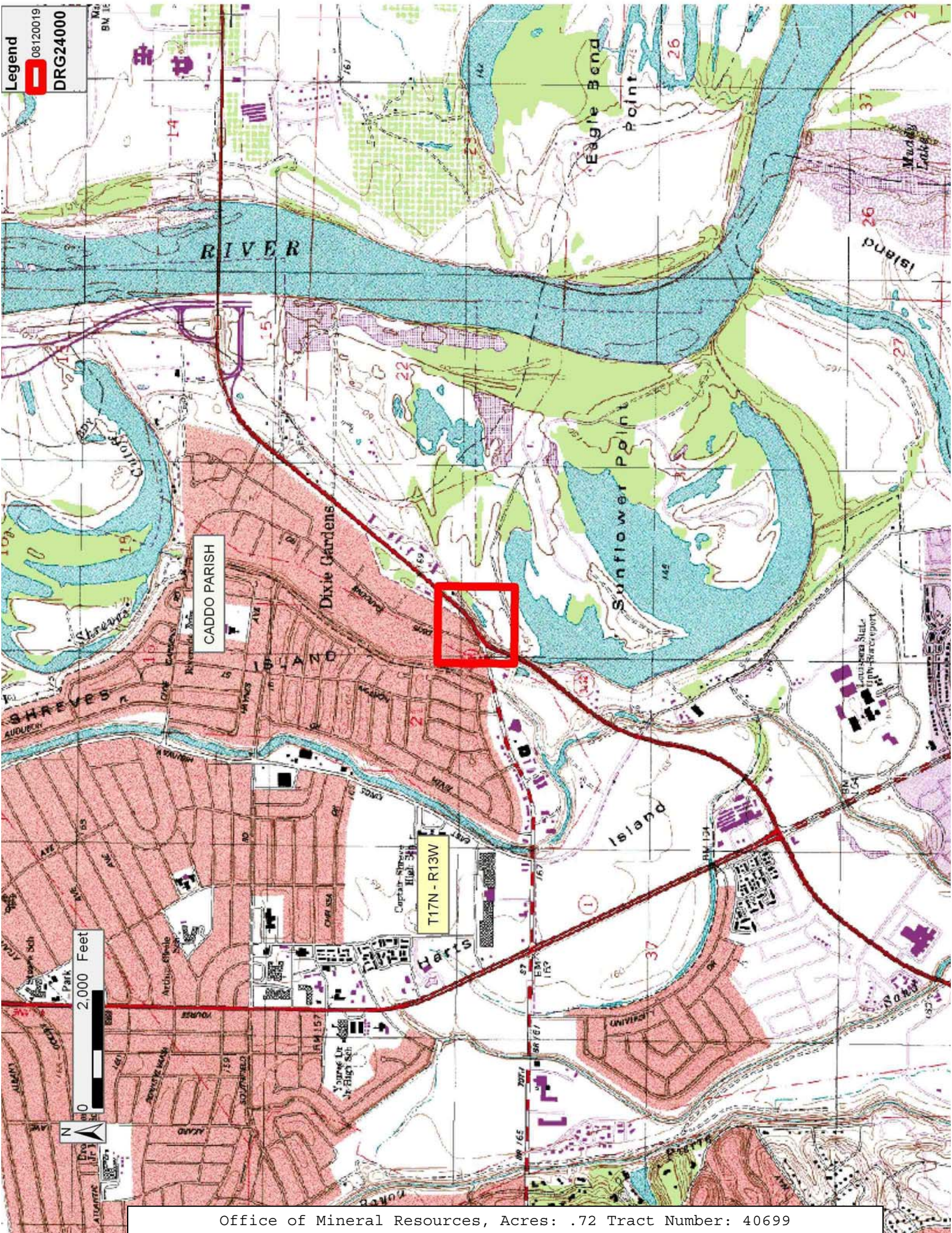
NOTE: If, in the event of production, a division order is circulated by LESSEE or by a purchaser of production, such division order will be a simple statement of interest containing no warranty or indemnity clauses and containing no clauses modifying in any way the terms of this lease. The insertion of any such clause will be of no force and effect. It is agreed and understood that LESSEE shall not assign this lease or execute a sublease without the written consent of LESSOR, and said consent shall only be valid upon approval of the assignment or sublease by resolution of the Louisiana State University Board of Supervisors. Further, such assignment, sublease or transfer shall not relieve the assignor, sublessor or transferor of obligations or liabilities under this lease, past, present or future, unless the LESSOR has discharged him expressly and in writing. LESSEE, on request, shall furnish LESSOR with a copy of the abstract of title, survey, title opinion and map showing pipelines in regard to the leased premises. In paragraph 6(a) of the printed State Agency Lease herein, wherever the word "average" appears, the word "highest" shall be substituted. In paragraph 6(b) of the printed State Agency Lease herein, wherever the word "average" appears, the word "highest" shall be substituted. Paragraph 13 of the printed form of the lease is omitted. In order for this lease to be valid, LESSEE shall be registered with the Office of Mineral Resources, State of Louisiana and if LESSEE is an entity which can register with the Secretary of State, State of Louisiana, LESSEE shall provide to LESSOR a certificate of good standing from the Secretary of State, State of Louisiana, within sixty (60) days after the execution of this lease. Approval of assignments shall be contingent upon the providing of such certificates for each assignee. Notwithstanding anything to the contrary contained herein, this lease shall not grant LESSEE the right to explore for, drill for, or produce geothermal resources as defined by La. R.S. 30:801.

NOTE: The Board will not consider any bid of less than \$15,000.00 per acre bonus and royalty of not less than 25%.

Applicant: TWIN CITIES DEVELOPMENT to Agency and by Resolution from the Louisiana State University System authorizing the Mineral Board to act in its behalf

Bidder	Cash Payment	Price/Acre	Rental	Oil	Gas	Other

Legend
08120019
DRG24000



Office of Mineral Resources, Acres: .72 Tract Number: 40699

TRACT 40700 - Caddo Parish, Louisiana

A certain Tract of land, excluding the beds and bottoms of all navigable waters, belonging to and not presently under mineral lease from Louisiana State University System on December 10, 2008, being more fully described as follows: Beginning at the southwest corner of Lot 2, Eagle Bend Plantation as recorded in Book 4, page 287 of the Conveyance Records of Caddo Parish, Louisiana, which is monumented with a 2 inch iron pipe; Thence proceed North 76 Degrees 29 Minutes 03 Seconds West for a distance of 736.30 feet to the easterly right of way line East Kings Highway and a 0.75 inch iron rod. Thence proceed North 44 Degrees 29 Minutes 22 Seconds West along said easterly right of way line for a distance of 972.97 feet to the point of curvature of a curve to the left which is monumented with a 0.75 inch iron rod; Thence proceed along said right of way curve (having a long chord bearing of North 48 degrees 44 Minutes 04 Seconds West and a radius 3,237.74 feet) for an arc distance of 479.78 feet to a 0.75 inch iron rod; Thence proceed North 52 Degrees 58 Minutes 47 Seconds West along said easterly right of way line for a distance of 273.31 feet to the point of curvature of a curve to the right, which is monumented with a 0.75 inch iron rod; Thence proceed along said right of way curve (having a long chord bearing of North 41 Degrees 28 Minutes 04 Seconds West and a radius of 846.75') for an arc distance of 340.26 feet to a 0.75 inch iron rod. Thence proceed North 29 Degrees 57 Minutes 20 Seconds West along said easterly right of way line for a distance of 197.70 feet to the point of curvature of a curve to the which is monumented with a 0.75 inch Iron Rod; Thence proceed along said right of way curve (having a long chord bearing of North 25 Degrees 43 Minutes 19 Second West and a radius of 1,358.67 feet) for an arc distance of 200.79 feet to a 0.75 inch iron rod; Thence proceed North 21 Degrees 29 Minutes 17 Seconds West along said easterly right of way line for a distance of 139.74 feet to the southeast corner of Lot 18, Dixie Gardens as recorded in Book 150, Pages 410 411, which is monumented with a 0.75 inch iron rod; Thence proceed North 50 Degrees 54 Minutes 16 Seconds East along the easterly line of said Lot 18 for a distance of 483.87 feet to a Boundary Agreement Line as established in Caddo District Court Suit No. 168182 and a 0.75 inch iron rod; Thence proceed South 32 Degrees 13 Minutes 06 Seconds East along said agreement line for a distance of 437.73 feet; Thence proceed South 33 Degrees 12 Minutes 06 Seconds East along said agreement line for a distance of 500.00 feet; Thence proceed South 36 Degrees 04 Minutes 06 Seconds East along said agreement line for a distance of 500.00 feet; Thence proceed South 49 Degrees 26 Minutes 06 Seconds East along said agreement line for a distance of 500.00 feet; Thence proceed South 76 Degrees 52 Minutes 06 Seconds East along said agreement line for a distance of 142.00 feet; Thence proceed South 79 Degrees 38 Minutes 06 Seconds East along said agreement line for a distance of 762.00 feet to the westerly line of Lot 2 of said Eagle Bend Plantation; Thence proceed South 00 Degrees 37 Minutes 54 Seconds West along said westerly line for a distance of 700.00 feet to the point of beginning of the tract herein described, containing 34.938 gross acres or 26.2 net acres, more or less. The entire following described parcel: :(Board of Supervisors of Louisiana State University

Agricultural and Mechanical College has 75% interest) Being described as 21.153 gross acres or 15.864 net acres, more or less, in a tract of land in Fractional Section 37, Township 17 North, Range 13 West, Caddo Parish, Louisiana and in Lots 1, 2, and 3, Murray Lands as recorded in Book 17, page 475 of the Conveyance Records of Caddo parish, Louisiana and more particularly described as follows; Begin at the southwest corner of Lot 1 of said Murray lands, which is monumented with a 2 inch iron pipe; Thence proceed North 00 Degrees 53 Minutes 31 Seconds East along the west line of said Lot 1 for a distance of 341.79 feet to the northwest corner of Lot 1 which is monumented with a 2 inch iron pipe; Thence proceed North 88 Degrees 11 Minutes 59 Seconds East along the north line of said Murray Lands for a distance of 2,659.32 feet to the west right of way of East Kings Highway which is a curve to the right and a 0.75 inch iron rod; Thence proceed along said right of way curve (having a long chord bearing of South 08 Degrees 58 Minutes 44 Seconds East and a radius of 710.00 feet) for an arc distance of 39.69 feet to a 0.75 inch iron rod; Thence proceed North 82 Degrees 37 Minutes 21 Seconds East along said west right of way line for a distance of 15.50 feet; Thence proceed South 07 Degrees 22 Minutes 01 Seconds East along said west right of way line for a distance 304.98 feet to the south line of said Murray Lands; Thence proceed South 88 Degrees 11 Minutes 59 Seconds West along said south line for a distance of 2,725.34 feet to the point of beginning of the tract herein described, containing 21.153 gross acres, or 15.864 net acres, more or less. The entire following described parcel: Beginning at the point of intersection of the centerline of 70th Street and Louisiana State Highway No. 1, said point being 4,804.05 feet South and 3,022.72 feet East of the Northwest Corner of Section 20, Township 17 North, Range 13 West, Caddo Parish, Louisiana, thence South 26 Degrees 09 Minutes East along the centerline of Louisiana State Highway No. 1, a distance of 5,226.00 feet to the point of beginning of tract herein conveyed; Thence North 63 Degrees 51 Minutes East a distance of 250.00 feet to the point of curvature of a curve to the left (North), said curve having a Central Angle of 13 degrees, tangent of 409.25 feet, radius of 3,591.91 feet and length of arc of 815.00 feet; Thence Northeasterly along the arc of said curve a distance of 815.00 feet to the point of tangency; Thence North 50 Degrees 51 Minutes East a distance of 216.35 feet to a point on the Southerly high bank of Sand Beach Bayou; Thence North 89 Degrees 40 Minutes East a distance of 295.80 feet; Thence North 65 Degrees 28 Minutes East a distance of 417.00 feet; Thence North 48 Degrees 58 Minutes East a distance of 142.50 feet to a point on the Easterly side of an existing drainage ditch, the preceding three courses being along the South high bank of Sand Beach Bayou; Thence South 5 Degrees 36 Minutes East a distance of 224.30 feet; Thence South 23 Degrees 01 Minutes West a distance of 300.00 feet, being a corner common to Tract A seconds and the 12.81 acre tract shown on said Wilkinson map; Thence South 42 Degrees 46 Minutes West a distance of 430.00 feet; Thence South 31 Degrees 26 Minutes West a distance of 300.00 feet; Thence South 51 Degrees 46 Minutes West a distance of 281.00 feet; Thence South 61 Degrees 48 Minutes West a distance of 856.16 feet to a point in the centerline of Louisiana State

Highway No. 1, the preceding six courses being along the Southeast line of said drainage ditch; Thence North 26 Degrees 09 Minutes West along the centerline of Louisiana State Highway No. 1 a distance of 772.32 feet to the beginning being 30 gross acres and 18.257 net acres more or less, as per Act of Exchange filed in the Caddo Parish Clerk of Court's office under Conveyance No. 2114404, filed 08/13/2007, and designated as Tract C seconds on said Wilkinson Map; that portion of Dogwood and Kentucky Plantation in fractional Section 37, Township 17 North, Range 13 West, Caddo Parish, Louisiana being 168.17 acres; a tract containing 2.71 acres Grappe Lands in fractional Section 37, Township 17 North, Range 13 West, Caddo Parish, Louisiana; comprising approximately **231.201 net acres**, all as more particularly outlined on a plat on file in the Office of Mineral Resources, Department of Natural Resources. The description is based on information provided by the State Agency regarding location and ownership of surface and mineral rights. All bearings, distances and coordinates, if applicable, are based on Louisiana Coordinate System of 1927, (North or South Zone).

NOTE: The above description of the Tract nominated for lease has been provided and corrected, where required, exclusively by the nomination party. Any mineral lease selected from this Tract and awarded by the Louisiana State Mineral Board shall be without warranty of any kind, either express, implied, or statutory, including, but not limited to, the implied warranties of merchantability and fitness for a particular purpose. Should the mineral lease awarded by the Louisiana State Mineral Board be subsequently modified, cancelled or abrogated due to the existence of conflicting leases, operating agreements, private claims or other future obligations or conditions which may affect all or any portion of the leased Tract, it shall not relieve the Lessee of the obligation to pay any bonus due thereon to the Louisiana State Mineral Board, nor shall the Louisiana State Mineral Board be obligated to refund any consideration paid by the Lessor prior to such modification, cancellation, or abrogation, including, but not limited to, bonuses, rentals and royalties.

NOTE: LESSEE shall at its sole expense construct permanent fencing to enclose pumping units, reserve pits, tank batteries and machinery. LESSEE shall give thirty (30) days notice prior to conducting any operations, including, but not limited to, the building of roads, pits and drill sites on the property which will necessitate the cutting of timber or the disturbing of crops, livestock or other experiments, educational activities, or research. The notice will be in writing and will be accompanied by a plat or map, showing the proposed location of such operations. LESSEE shall not, without the express written approval of LESSOR, use, employ or construct earthen pits as part of its operations on the lands held hereunder. All pits and other excavations, including canals and ditches, if allowed on the premises, when no longer required, shall be emptied of sludge and other contents, which shall be disposed of off of the leased premises, and shall be filled, tamped and leveled as required by LESSOR.

NOTE: It is distinctly understood and agreed that the lands comprising the leased premises are being used and have been used for many years as an agricultural research station and/or for purposes of an educational institution and that in the drilling of wells and the production thereof and conducting operations hereunder, LESSEE shall not affect the use of said lands for such purposes. Notwithstanding any other provisions hereof, the LESSOR'S approval, in writing and recorded in the records of the clerk of court for the parish in which the leased premise is located, is required as to the time, place and type of operations, if any, to be allowed on the surface of the leased premises, or within 4000 feet below the surface, and such decision by the LESSOR shall be final and conclusive. LESSEE shall conduct all operations on the property to occupy as little surface area as is reasonably necessary and to cause the least damage, interference or inconvenience to LESSOR and LESSOR'S present and future tenants. Not more than one battery of tanks shall be placed on the leased premises. No building or structures shall be placed on said leased premises except such as are absolutely necessary for the production of the named minerals, and LESSEE must obtain LESSOR'S written consent prior to construction of permanent buildings or structures. No well shall be drilled within two hundred feet (200') of any residence, water well, barn or other building on said land without LESSOR'S written consent. LESSEE shall have no right to construct pipelines or use roads across the leased premises unless the leased premises participates in the production carried through such pipelines or participates in production from each well serviced by such roads.

NOTE: Prior to building any roads on the leased premises, LESSEE shall give LESSOR thirty (30) days written notice. Said notice, shall be accompanied by a plat showing the proposed location. Any existing all weather road (shell, limestone or gravel) on the premises used in exploration, shall be shelled with one inch (1") of clam shell or crushed rock, two inches (2") of reef shell, or a comparable amount of limestone, prior to the commencement of operations so as to maintain the integrity of the roadbed with the use of heavy oil field equipment. Roads must be maintained to this standard as needed. Any dirt road following field boundaries or other permanent field dirt roads must be used rather than constructing new roads. Dirt roads used must be shelled with three inches (3") of reef shell or three inches (3") of clam shell or crushed rock, or a comparable amount of limestone, so as to make them all weather and permanent. Upon LESSOR'S demand, LESSEE shall build, at its sole expense, permanent roads to each producing location on the property. Such roads shall be properly ditched, and bridged for drainage, follow existing roads to the extent possible, and trace section and field boundaries where possible. Should such roads cross fence lines, LESSEE shall build permanent cattle guards and install corner posts and swinging gates. LESSEE shall maintain complete enclosure at all times where fences exist, especially to maintain security of LESSOR'S forests, cattle and crops. LESSEE shall immediately restore all fences cut or altered by reason of

its operations. All fences repaired shall be maintained at existing tension or stronger. All wood posts installed by LESSEE shall be Evr-wood or equal, not less than six inches in diameter and eight feet in length. All wood fence braces placed by LESSEE shall consist of at least two pieces of two by six inch Evr-wood or equal lumber. Vehicular equipment utilized by LESSEE shall not traverse the property during wet conditions except over all weather roads.

NOTE: LESSEE, shall bury and maintain all pipe installed on the property to a depth of at least forty-eight inches (48") measured from the land's normal existing surface to the top of the pipe, it being contemplated that this depth will permit safe movement of heavy equipment and plowing and leveling operations over the pipe. All topsoil must be placed on top of the clay when backfilling ditches so as to keep the integrity of the surface the same as before ditching. Should soil consistency or ground conditions indicate a deeper installation depth for safe movement of equipment and plowing, then LESSEE shall install and maintain the pipe at a greater depth so the pipe and equipment are protected. Should the pipe traverse drainage canals, drainage ditches, irrigation canals or bayous, LESSEE shall bury and maintain the pipe at these locations so that the top of the pipe shall be not less than sixty inches (60") below the bottom of the canals, ditches or bayous. Under no circumstances will LESSEE impede drainage or irrigation of the property. LESSEE shall not construct canals or ditches without LESSOR'S prior written approval. LESSOR shall have the right to compel LESSEE to construct bulkheads, plugs, dams and other structures required to regulate effectively the flow of water in each ditch, canal confluence and intersection constructed by LESSEE. All these structures shall be installed and maintained by LESSEE at its expense.

NOTE: The ground around the wells and all installations shall be kept free of trash and debris and kept in as good condition as the surrounding terrain. In all disputes involving discharge of oil, saltwater or other noxious substances on the property, LESSEE shall bear the burden of proving these substances did not originate from its operations and that the presence of such substances did not damage the leased premises or LESSOR'S other property. LESSEE shall not store saltwater on the surface except in fiberglass or steel tankage on a temporary basis. Injection below all fresh water sands or disposing of saltwater off of the leased premises shall be the sole permissible method of saltwater disposal. Only saltwater from the leased premises may be injected in injection wells on the leased premises. LESSEE shall not discharge other noxious substances onto or under the property. Within ninety (90) days after the completion or abandonment of each well, the land surrounding that well (the surface of which may have been disturbed by the operations hereunder) shall be restored by LESSEE to as close as reasonably possible its condition prior to being so disturbed without regard to wear and tear or custom in the industry. Any equipment, machinery, buildings, fences, or other items placed on the property by LESSEE shall be removed if so required by LESSOR within the time period allotted herein. If LESSEE fails to fulfill these

obligation after demand has been made to do so, LESSOR may have the necessary work done to accomplish this at LESSEE'S expense, even if this lease has otherwise terminated. Should LESSOR be required to legally enforce its rights under this paragraph and, as a result, LESSEE be held responsible for restoration costs, LESSOR shall be entitled to recover its costs and expenses of such enforcement and reasonable attorney's fees from LESSEE.

NOTE: Following abandonment of exploration or drilling operations, or termination of production or plugging and remediation activities, LESSEE shall notify LESSOR in writing of the existence of any roads on the leased premises which are no longer required for its operations, and LESSEE shall remove all roads it may have constructed incident to the operations on the leased premises which have been terminated, unless LESSOR gives LESSEE written notice to leave the roads in good condition and intact. In the event of removal in accordance with the preceding sentence, LESSEE shall restore the areas underlying the roads as close as reasonably possible to their original condition, without regard to wear and tear or the custom in the industry, and shall apply sufficient fertilizer, soil dressing and seed to restore vegetation, and provide adequate drainage. Upon termination of this lease, or portion thereof upon which pipelines are located, LESSEE shall notify LESSOR in writing that pipelines exist on the leased premises and request authority to remove them, which is required if LESSOR so requires. LESSEE shall not have the right to remove the pipelines if LESSOR requests that they stay.

NOTE: If LESSOR determines that the pipelines are not to be removed, LESSOR shall notify LESSEE in writing, and LESSEE shall flush all pipelines, fill them with water and cap the ends to a permanent seal. LESSOR shall have the right to retain all of the fresh water wells drilled by LESSEE on the property and the related pumps, upon paying the salvage value of the equipment in and on the well, less the cost of salvage. LESSEE, at its cost, shall remove all mud and chemicals from the premises upon cessation of drilling operations, backfill all pits and ditches, as previously provided, fertilize and otherwise restore the soils fertility level in the area upon which it conducted operations, and fully restore the property to as close as reasonably possible its condition prior to LESSEE'S operations, without regard to wear and tear or the custom in the industry. LESSEE shall furnish bond as may be required at any time or times by LESSOR, or such other security in lieu thereof as may be acceptable to LESSOR, conditioned upon faithful performance of the obligations set forth in this lease.

NOTE: On behalf of itself, its agents, employees, successors, sublessees, transferees and assigns, LESSEE shall defend, indemnify, and hold harmless LESSOR from: (1) any and all liabilities (including strict liability), actions, suits, demands, penalties, or losses (including, without limitation, claims for property damages, property value diminution, personal injuries, remedial costs, natural resource damages, restoration

costs, and non-compliance penalties); (2) costs or expenses (including without limitation, court costs, administrative appeal costs, and attorneys' fees); (3) costs of any settlement or judgment regarding any of the foregoing; and, (4) any other claims of any and every kind whatsoever; each of the above obligations being in force and effect regardless of how the liability is caused or occurs, including liability resulting from the sole or concurrent negligence of LESSOR, LESSEE or other parties and including liability arising under theories other than negligence; said liabilities including without limitation liability for injuries or death to persons or damage to property, either belonging to LESSOR or to others, which may now or in the future (whether during or after the term of this Lease) be paid, incurred, suffered by, or asserted against LESSOR by any person or entity or governmental agency for, with respect to, or as a direct or indirect result of this Lease or any obligation, operation, activity, action or inaction of LESSEE hereunder, including without limitation any of such arising or in connection with any exploration, drilling, equipping, completing, testing, producing, transporting, plugging, or abandoning of any well or wells on the leased premises or on acreage pooled or unitized therewith or arising out of or in connection with: (1) the presence on or under the leased premises; or (2) the escape, seepage, leakage, spillage, emission, or discharge, onto or off the leased premises; or (3) the exposure of any person; of or to, any substance, waste, or material defined in or regulated by any environmental law, rule or regulation, or any condition of the leased premises which would concern the applicability of any environmental law, rule or regulation. The indemnity provided in this paragraph shall inure, by stipulation pour autrui, to the benefit of agents, employees, and servants of LESSOR, and any one of them may exercise this right of indemnity against LESSEE independently or LESSOR or of others.

NOTE: Notwithstanding any other provisions contained herein, after the expiration of the primary term, production on the leased premises, or lands pooled with any portion thereof, shall maintain this lease in force only as to a depth of 100 feet below the deepest formation tested by a well on the leased premises or on a unit including a portion of the leased premises. At the expiration of the primary term, this lease shall then terminate as to all depths below said depth; but as to the leased premises above said depth the lease shall be maintained in accordance with the other provisions hereof. Competent engineering and scientific evidence shall be admissible and sufficient in any proceeding to establish the extent of LESSOR'S injury and the measure of the award for damages arising from a breach of this lease. LESSOR or LESSOR'S representative, at their respective risk, shall be entitled at all reasonable times, to inspect meters, or run its own independent tests to monitor or to determine production, or witness these operations conducted by LESSEE. After production of oil or gas is secured from the leased premises, or lands unitized therewith, LESSEE shall, on LESSOR'S written request, furnish or cause to be furnished on a monthly basis to LESSOR, flow charts and a copy of the Office of Conservation OGP Reports, R-5-D, DM-1R and DT-1 reports

or successor reports showing production from any well from which LESSOR receives royalties under the terms of this lease.

NOTE: If, in the event of production, a division order is circulated by LESSEE or by a purchaser of production, such division order will be a simple statement of interest containing no warranty or indemnity clauses and containing no clauses modifying in any way the terms of this lease. The insertion of any such clause will be of no force and effect. It is agreed and understood that LESSEE shall not assign this lease or execute a sublease without the written consent of LESSOR, and said consent shall only be valid upon approval of the assignment or sublease by resolution of the Louisiana State University Board of Supervisors. Further, such assignment, sublease or transfer shall not relieve the assignor, sublessor or transferor of obligations or liabilities under this lease, past, present or future, unless the LESSOR has discharged him expressly and in writing. LESSEE, on request, shall furnish LESSOR with a copy of the abstract of title, survey, title opinion and map showing pipelines in regard to the leased premises. In paragraph 6(a) of the printed State Agency Lease herein, wherever the word "average" appears, the word "highest" shall be substituted. In paragraph 6(b) of the printed State Agency Lease herein, wherever the word "average" appears, the word "highest" shall be substituted. Paragraph 13 of the printed form of the lease is omitted. In order for this lease to be valid, LESSEE shall be registered with the Office of Mineral Resources, State of Louisiana and if LESSEE is an entity which can register with the Secretary of State, State of Louisiana, LESSEE shall provide to LESSOR a certificate of good standing from the Secretary of State, State of Louisiana, within sixty (60) days after the execution of this lease. Approval of assignments shall be contingent upon the providing of such certificates for each assignee. Notwithstanding anything to the contrary contained herein, this lease shall not grant LESSEE the right to explore for, drill for, or produce geothermal resources as defined by La. R.S. 30:801.

NOTE: The Board will not consider any bid of less than \$15,000.00 per acre bonus and royalty of not less than 25%.

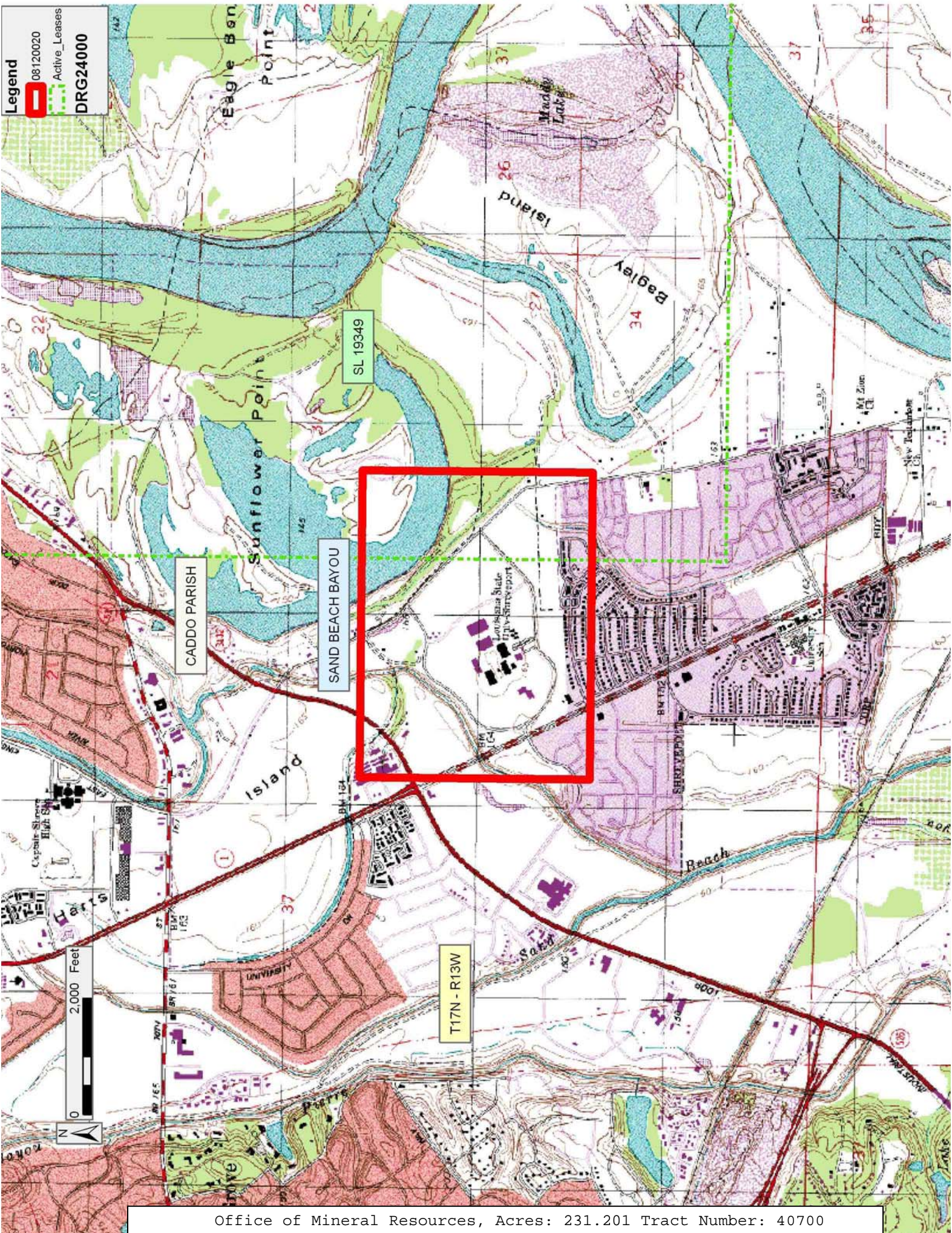
Applicant: TWIN CITIES DEVELOPMENT to Agency and by Resolution from the

Bidder	Cash Payment	Price/Acre	Rental	Oil	Gas	Other

Louisiana State University System authorizing the Mineral Board to act in its behalf

Legend

- 08120020
- Active_Leases
- DRG24000



TRACT 40701 - Caddo Parish, Louisiana

A certain Tract of land, excluding the beds and bottoms of all navigable waters, belonging to and not presently under mineral lease from Louisiana State University System on December 10, 2008, being more fully described as follows: A certain 5.23 acres tract of land in the southeast quarter of the southwest quarter of Section 25, Township 17 North, Range 14 West, Caddo Parish, Louisiana and this tract is referred to as the LSU South Museum of Life Science. All the previously described containing, excluding beds and bottoms of all navigable waters, **5.23 acres**, all as more particularly outlined on a plat on file in the Office of Mineral Resources, Department of Natural Resources. The description is based on information provided by the State Agency regarding location and ownership of surface and mineral rights. All bearings, distances and coordinates, if applicable, are based on Louisiana Coordinate System of 1927, (North or South Zone).

NOTE: The above description of the Tract nominated for lease has been provided and corrected, where required, exclusively by the nomination party. Any mineral lease selected from this Tract and awarded by the Louisiana State Mineral Board shall be without warranty of any kind, either express, implied, or statutory, including, but not limited to, the implied warranties of merchantability and fitness for a particular purpose. Should the mineral lease awarded by the Louisiana State Mineral Board be subsequently modified, cancelled or abrogated due to the existence of conflicting leases, operating agreements, private claims or other future obligations or conditions which may affect all or any portion of the leased Tract, it shall not relieve the Lessee of the obligation to pay any bonus due thereon to the Louisiana State Mineral Board, nor shall the Louisiana State Mineral Board be obligated to refund any consideration paid by the Lessor prior to such modification, cancellation, or abrogation, including, but not limited to, bonuses, rentals and royalties.

NOTE: Prior to building any roads on the leased premises, LESSEE shall give LESSOR thirty (30) days written notice. Said notice, shall be accompanied by a plat showing the proposed location. Any existing all weather road (shell, limestone or gravel) on the premises used in exploration, shall be shelled with one inch (1") of clam shell or crushed rock, two inches (2") of reef shell, or a comparable amount of limestone, prior to the commencement of operations so as to maintain the integrity of the roadbed with the use of heavy oil field equipment. Roads must be maintained to this standard as needed. Any dirt road following field boundaries or other permanent field dirt roads must be used rather than constructing new roads. Dirt roads used must be shelled with three inches (3") of reef shell or three inches (3") of clam shell or crushed rock, or a comparable amount of limestone, so as to make them all weather and permanent. Upon LESSOR'S demand, LESSEE shall build, at its sole expense, permanent roads to each producing location on the property. Such roads shall be properly ditched, and bridged for drainage, follow existing roads to the extent possible, and trace section and field boundaries where

possible. Should such roads cross fence lines, LESSEE shall build permanent cattle guards and install corner posts and swinging gates. LESSEE shall maintain complete enclosure at all times where fences exist, especially to maintain security of LESSOR'S forests, cattle and crops. LESSEE shall immediately restore all fences cut or altered by reason of its operations. All fences repaired shall be maintained at existing tension or stronger. All wood posts installed by LESSEE shall be Evr-wood or equal, not less than six inches in diameter and eight feet in length. All wood fence braces placed by LESSEE shall consist of at least two pieces of two by six inch Evr-wood or equal lumber. Vehicular equipment utilized by LESSEE shall not traverse the property during wet conditions except over all weather roads.

NOTE: LESSEE shall at its sole expense construct permanent fencing to enclose pumping units, reserve pits, tank batteries and machinery. LESSEE shall give thirty (30) days notice prior to conducting any operations, including, but not limited to, the building of roads, pits and drill sites on the property which will necessitate the cutting of timber or the disturbing of crops, livestock or other experiments, educational activities, or research. The notice will be in writing and will be accompanied by a plat or map, showing the proposed location of such operations. LESSEE shall not, without the express written approval of LESSOR, use, employ or construct earthen pits as part of its operations on the lands held hereunder. All pits and other excavations, including canals and ditches, if allowed on the premises, when no longer required, shall be emptied of sludge and other contents, which shall be disposed of off of the leased premises, and shall be filled, tamped and leveled as required by LESSOR.

NOTE: LESSEE, shall bury and maintain all pipe installed on the property to a depth of at least forty-eight inches (48") measured from the land's normal existing surface to the top of the pipe, it being contemplated that this depth will permit safe movement of heavy equipment and plowing and leveling operations over the pipe. All topsoil must be placed on top of the clay when backfilling ditches so as to keep the integrity of the surface the same as before ditching. Should soil consistency or ground conditions indicate a deeper installation depth for safe movement of equipment and plowing, then LESSEE shall install and maintain the pipe at a greater depth so the pipe and equipment are protected. Should the pipe traverse drainage canals, drainage ditches, irrigation canals or bayous, LESSEE shall bury and maintain the pipe at these locations so that the top of the pipe shall be not less than sixty inches (60") below the bottom of the canals, ditches or bayous. Under no circumstances will LESSEE impede drainage or irrigation of the property. LESSEE shall not construct canals or ditches without LESSOR'S prior written approval. LESSOR shall have the right to compel LESSEE to construct bulkheads, plugs, dams and other structures required to regulate effectively the flow of water in each ditch, canal confluence and intersection constructed by LESSEE. All these structures shall be installed and maintained by LESSEE at its expense.

NOTE: The ground around the wells and all installations shall be kept free of trash and debris and kept in as good condition as the surrounding terrain. In all disputes involving discharge of oil, saltwater or other noxious substances on the property, LESSEE shall bear the burden of proving these substances did not originate from its operations and that the presence of such substances did not damage the leased premises or LESSOR'S other property. LESSEE shall not store saltwater on the surface except in fiberglass or steel tankage on a temporary basis. Injection below all fresh water sands or disposing of saltwater off of the leased premises shall be the sole permissible method of saltwater disposal. Only saltwater from the leased premises may be injected in injection wells on the leased premises. LESSEE shall not discharge other noxious substances onto or under the property. Within ninety (90) days after the completion or abandonment of each well, the land surrounding that well (the surface of which may have been disturbed by the operations hereunder) shall be restored by LESSEE to as close as reasonably possible its condition prior to being so disturbed without regard to wear and tear or custom in the industry. Any equipment, machinery, buildings, fences, or other items placed on the property by LESSEE shall be removed if so required by LESSOR within the time period allotted herein. If LESSEE fails to fulfill these obligation after demand has been made to do so, LESSOR may have the necessary work done to accomplish this at LESSEE'S expense, even if this lease has otherwise terminated. Should LESSOR be required to legally enforce its rights under this paragraph and, as a result, LESSEE be held responsible for restoration costs, LESSOR shall be entitled to recover its costs and expenses of such enforcement and reasonable attorney's fees from LESSEE.

NOTE: Following abandonment of exploration or drilling operations, or termination of production or plugging and remediation activities, LESSEE shall notify LESSOR in writing of the existence of any roads on the leased premises which are no longer required for its operations, and LESSEE shall remove all roads it may have constructed incident to the operations on the leased premises which have been terminated, unless LESSOR gives LESSEE written notice to leave the roads in good condition and intact. In the event of removal in accordance with the preceding sentence, LESSEE shall restore the areas underlying the roads as close as reasonably possible to their original condition, without regard to wear and tear or the custom in the industry, and shall apply sufficient fertilizer, soil dressing and seed to restore vegetation, and provide adequate drainage. Upon termination of this lease, or portion thereof upon which pipelines are located, LESSEE shall notify LESSOR in writing that pipelines exist on the leased premises and request authority to remove them, which is required if LESSOR so requires. LESSEE shall not have the right to remove the pipelines if LESSOR requests that they stay.

NOTE: If LESSOR determines that the pipelines are not to be removed, LESSOR shall notify LESSEE in writing, and LESSEE shall flush all

pipelines, fill them with water and cap the ends to a permanent seal. LESSOR shall have the right to retain all of the fresh water wells drilled by LESSEE on the property and the related pumps, upon paying the salvage value of the equipment in and on the well, less the cost of salvage. LESSEE, at its cost, shall remove all mud and chemicals from the premises upon cessation of drilling operations, backfill all pits and ditches, as previously provided, fertilize and otherwise restore the soils fertility level in the area upon which it conducted operations, and fully restore the property to as close as reasonably possible its condition prior to LESSEE'S operations, without regard to wear and tear or the custom in the industry. LESSEE shall furnish bond as may be required at any time or times by LESSOR, or such other security in lieu thereof as may be acceptable to LESSOR, conditioned upon faithful performance of the obligations set forth in this lease.

NOTE: On behalf of itself, its agents, employees, successors, sublessees, transferees and assigns, LESSEE shall defend, indemnify, and hold harmless LESSOR from: (1) any and all liabilities (including strict liability), actions, suits, demands, penalties, or losses (including, without limitation, claims for property damages, property value diminution, personal injuries, remedial costs, natural resource damages, restoration costs, and non-compliance penalties); (2) costs or expenses (including without limitation, court costs, administrative appeal costs, and attorneys' fees); (3) costs of any settlement or judgment regarding any of the foregoing; and, (4) any other claims of any and every kind whatsoever; each of the above obligations being in force and effect regardless of how the liability is caused or occurs, including liability resulting from the sole or concurrent negligence of LESSOR, LESSEE or other parties and including liability arising under theories other than negligence; said liabilities including without limitation liability for injuries or death to persons or damage to property, either belonging to LESSOR or to others, which may now or in the future (whether during or after the term of this Lease) be paid, incurred, suffered by, or asserted against LESSOR by any person or entity or governmental agency for, with respect to, or as a direct or indirect result of this Lease or any obligation, operation, activity, action or inaction of LESSEE hereunder, including without limitation any of such arising or in connection with any exploration, drilling, equipping, completing, testing, producing, transporting, plugging, or abandoning of any well or wells on the leased premises or on acreage pooled or unitized therewith or arising out of or in connection with: (1) the presence on or under the leased premises; or (2) the escape, seepage, leakage, spillage, emission, or discharge, onto or off the leased premises; or (3) the exposure of any person; of or to, any substance, waste, or material defined in or regulated by any environmental law, rule or regulation, or any condition of the leased premises which would concern the applicability of any environmental law, rule or regulation. The indemnity provided in this paragraph shall inure, by stipulation pour autrui, to the benefit of agents, employees, and servants of LESSOR, and

any one of them may exercise this right of indemnity against LESSEE independently or LESSOR or of others.

NOTE: Notwithstanding any other provisions contained herein, after the expiration of the primary term, production on the leased premises, or lands pooled with any portion thereof, shall maintain this lease in force only as to a depth of 100 feet below the deepest formation tested by a well on the leased premises or on a unit including a portion of the leased premises. At the expiration of the primary term, this lease shall then terminate as to all depths below said depth; but as to the leased premises above said depth the lease shall be maintained in accordance with the other provisions hereof. Competent engineering and scientific evidence shall be admissible and sufficient in any proceeding to establish the extent of LESSOR'S injury and the measure of the award for damages arising from a breach of this lease. LESSOR or LESSOR'S representative, at their respective risk, shall be entitled at all reasonable times, to inspect meters, or run its own independent tests to monitor or to determine production, or witness these operations conducted by LESSEE. After production of oil or gas is secured from the leased premises, or lands unitized therewith, LESSEE shall, on LESSOR'S written request, furnish or cause to be furnished on a monthly basis to LESSOR, flow charts and a copy of the Office of Conservation OGP Reports, R-5-D, DM-1R and DT-1 reports or successor reports showing production from any well from which LESSOR receives royalties under the terms of this lease.

NOTE: If, in the event of production, a division order is circulated by LESSEE or by a purchaser of production, such division order will be a simple statement of interest containing no warranty or indemnity clauses and containing no clauses modifying in any way the terms of this lease. The insertion of any such clause will be of no force and effect. It is agreed and understood that LESSEE shall not assign this lease or execute a sublease without the written consent of LESSOR, and said consent shall only be valid upon approval of the assignment or sublease by resolution of the Louisiana State University Board of Supervisors. Further, such assignment, sublease or transfer shall not relieve the assignor, sublessor or transferor of obligations or liabilities under this lease, past, present or future, unless the LESSOR has discharged him expressly and in writing. LESSEE, on request, shall furnish LESSOR with a copy of the abstract of title, survey, title opinion and map showing pipelines in regard to the leased premises. In paragraph 6(a) of the printed State Agency Lease herein, wherever the word "average" appears, the word "highest" shall be substituted. In paragraph 6(b) of the printed State Agency Lease herein, wherever the word "average" appears, the word "highest" shall be substituted. Paragraph 13 of the printed form of the lease is omitted. In order for this lease to be valid, LESSEE shall be registered with the Office of Mineral Resources, State of Louisiana and if LESSEE is an entity which can register with the Secretary of State, State of Louisiana, LESSEE shall provide to LESSOR a certificate of good standing from the Secretary of State, State of Louisiana, within sixty

(60) days after the execution of this lease. Approval of assignments shall be contingent upon the providing of such certificates for each assignee. Notwithstanding anything to the contrary contained herein, this lease shall not grant LESSEE the right to explore for, drill for, or produce geothermal resources as defined by La. R.S. 30:801.

NOTE: The Board will not consider any bid of less than \$15,000.00 per acre bonus and royalty of not less than 25%.

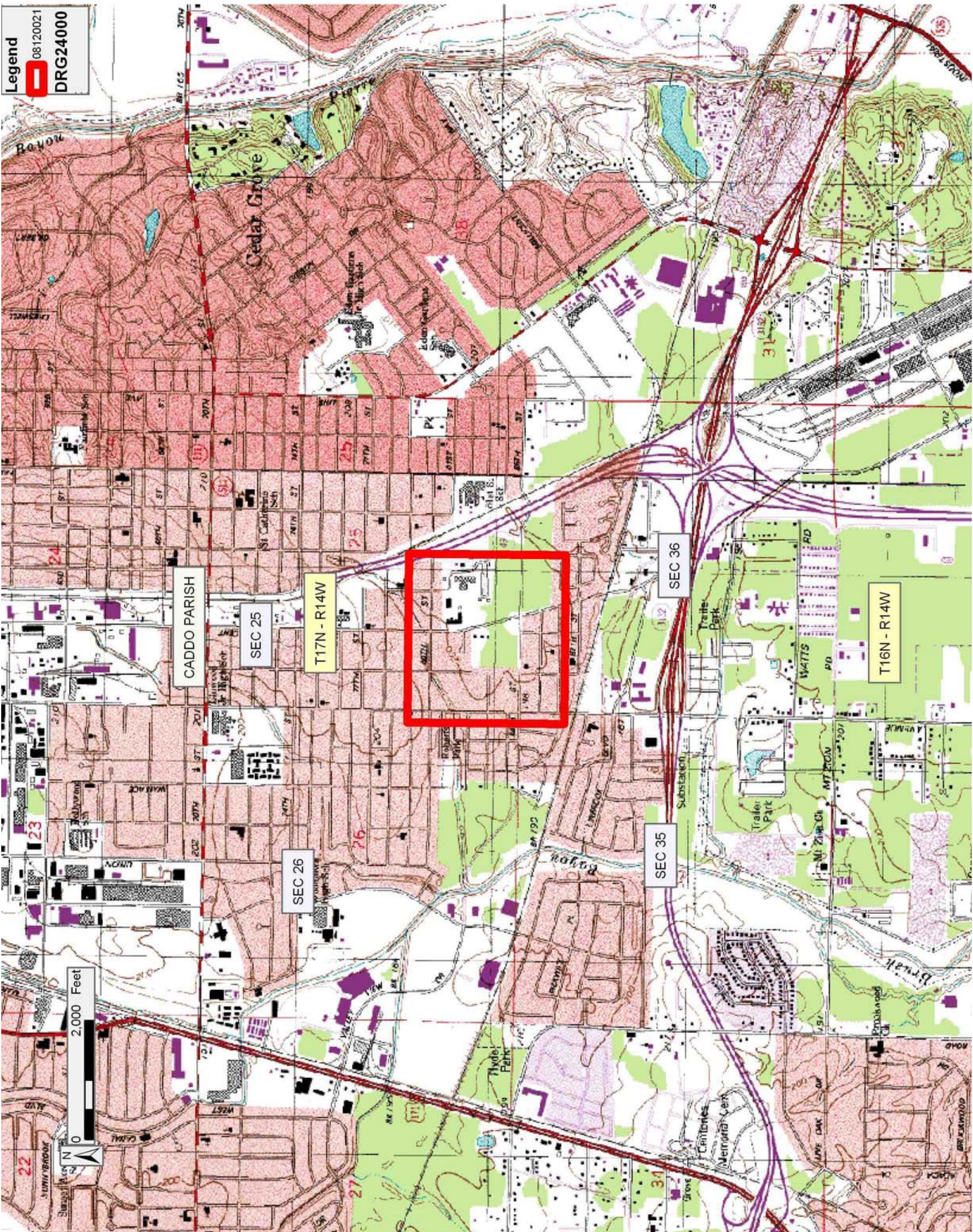
NOTE: It is distinctly understood and agreed that the lands comprising the leased premises are being used and have been used for many years as an agricultural research station and/or for purposes of an educational institution and that in the drilling of wells and the production thereof and conducting operations hereunder, LESSEE shall not affect the use of said lands for such purposes. Notwithstanding any other provisions hereof, the LESSOR'S approval, in writing and recorded in the records of the clerk of court for the parish in which the leased premise is located, is required as to the time, place and type of operations, if any, to be allowed on the surface of the leased premises, or within 4000 feet below the surface, and such decision by the LESSOR shall be final and conclusive. LESSEE shall conduct all operations on the property to occupy as little surface area as is reasonably necessary and to cause the least damage, interference or inconvenience to LESSOR and LESSOR'S present and future tenants. Not more than one battery of tanks shall be placed on the leased premises. No building or structures shall be placed on said leased premises except such as are absolutely necessary for the production of the named minerals, and LESSEE must obtain LESSOR'S written consent prior to construction of permanent buildings or structures. No well shall be drilled within two hundred feet (200') of any residence, water well, barn or other building on said land without LESSOR'S written consent. LESSEE shall have no right to construct pipelines or use roads across the leased premises unless the leased premises participates in the production carried through such pipelines or participates in production from each well serviced by such roads.

Applicant: TWIN CITIES DEVELOPMENT to Agency and by Resolution from the Louisiana State University System authorizing the Mineral Board to act in

Bidder	Cash Payment	Price/Acre	Rental	Oil	Gas	Other

its behalf

Legend
08120021
DRG24000



Office of Mineral Resources, Acres: 5.23 Tract Number: 40701

TRACT 40702 - Caddo Parish, Louisiana

A certain Tract of land, excluding the beds and bottoms of all navigable waters, belonging to and not presently under mineral lease from Caddo Levee District on December 10, 2008, being more fully described as follows: The South Half of the Northeast Quarter and the East Half of Southeast Quarter of the Southwest Quarter of Section 26, Township 23 North, Range 15 West, Caddo Parish, Louisiana, less and except: 8.04 acres, more or less, along the east boundary of the Southeast Quarter described as follows: Beginning at the NE corner of the E2 of the SE4 of Section 26, proceed south along the east boundary of the E2 of the SE4 a distance of 2637 feet to the SE corner of the E2 of SE4 of Section 26, thence westerly direction with the south boundary of the E2 of SE4, a distance of 115 feet to a barb wire fence, thence north along said fence, 2637 feet to a point 150.7 feet west of the NE corner of E2 of SE4 thence east, 150.7 feet to the point of beginning, leaving a balance of approximately **151.96 acres**, all as more particularly outlined on a plat on file in the Office of Mineral Resources, Department of Natural Resources. The description is based on information provided by the State Agency regarding location and ownership of surface and mineral rights. All bearings, distances and coordinates, if applicable, are based on Louisiana Coordinate System of 1927, (North or South Zone).

NOTE: The above description of the Tract nominated for lease has been provided and corrected, where required, exclusively by the nomination party. Any mineral lease selected from this Tract and awarded by the Louisiana State Mineral Board shall be without warranty of any kind, either express, implied, or statutory, including, but not limited to, the implied warranties of merchantability and fitness for a particular purpose. Should the mineral lease awarded by the Louisiana State Mineral Board be subsequently modified, cancelled or abrogated due to the existence of conflicting leases, operating agreements, private claims or other future obligations or conditions which may affect all or any portion of the leased Tract, it shall not relieve the Lessee of the obligation to pay any bonus due thereon to the Louisiana State Mineral Board, nor shall the Louisiana State Mineral Board be obligated to refund any consideration paid by the Lessor prior to such modification, cancellation, or abrogation, including, but not limited to, bonuses, rentals and royalties.

NOTE: The fair market value shall be paid to lessor for all merchantable timber removed or destroyed in conducting operations on the above described tract.

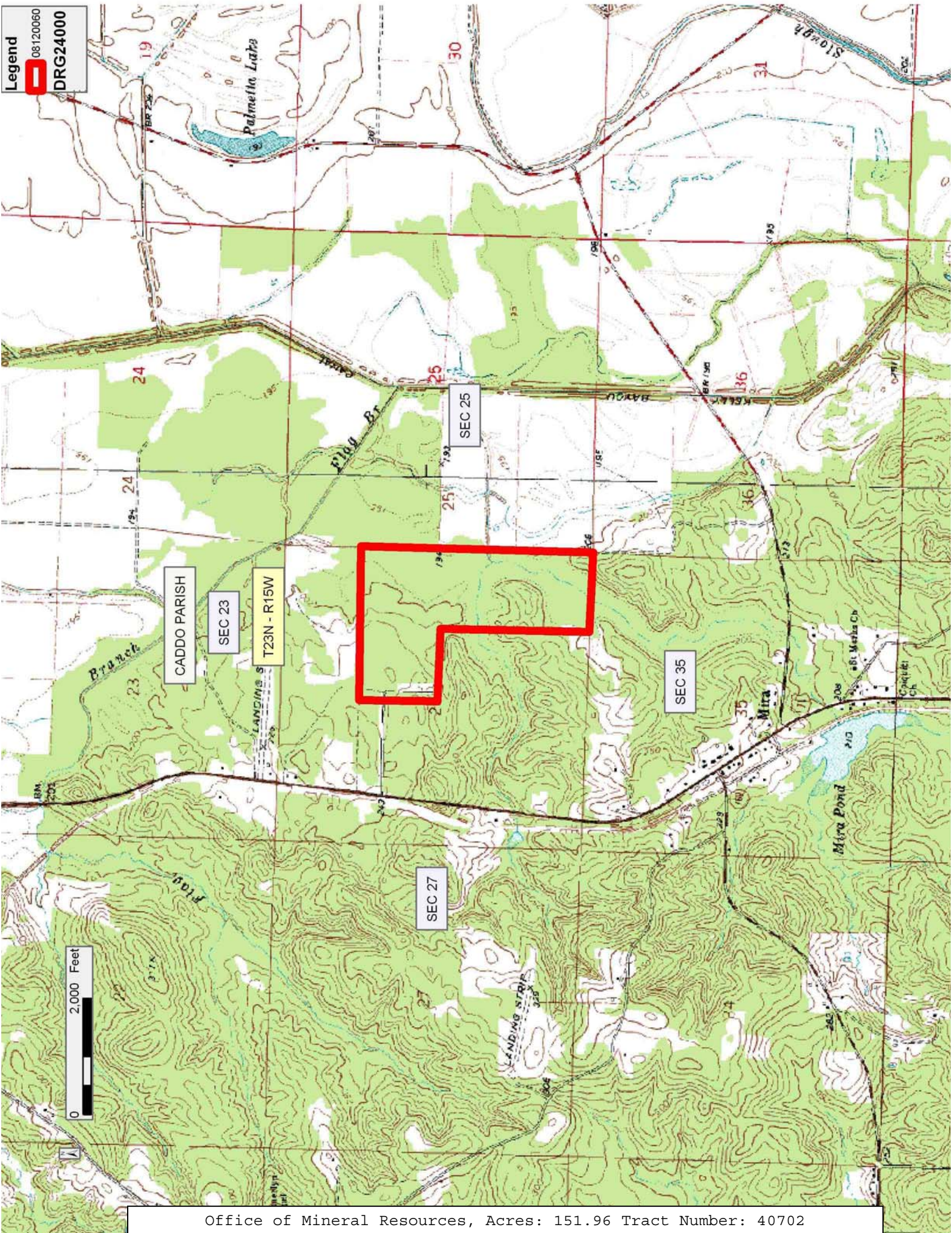
NOTE: At the end of the primary term of the lease, Lessee shall release all depths one hundred feet (100') below the stratigraphic equivalent of the deepest producing interval in any well drilled on the leased premises or on any unit containing all or any portion thereof. Said release shall be in written and recordable form. In the event that a well is drilling at the end of the primary term on the lease premises or on a unit containing all or part of the lease premises, the herein required release shall be

provided to Lessor when such well is completed either as a producer or a dry hole.

Applicant: BOARD OF COMMISSIONERS, CADDO LEVEE DISTRICT to Agency and by Resolution from the Caddo Levee District authorizing the Mineral Board to act in its behalf

Bidder	Cash Payment	Price/Acre	Rental	Oil	Gas	Other

Legend
08120060
DRG24000



TRACT 40703 - De Soto Parish, Louisiana

A certain Tract of land, excluding the beds and bottoms of all navigable waters, belonging to and not presently under mineral lease from City Of Mansfield on December 10, 2008, being more fully described as follows: Beginning at a point having Coordinates of X = 1,619,620.00 and Y = 508,660.00; thence East for a distance of 4,520.00 feet to a point having Coordinates of X = 1,624,140.00 and Y = 508,660.00; thence South for a distance of 3,540.00 feet to a point having Coordinates of X = 1,624,140.00 and Y = 505,120.00; thence West for a distance of 4,520.00 feet to a point having Coordinates of X = 1,619,620.00 and Y = 505,120.00; thence North 3,540.00 feet to the Point of Beginning, to include but not limited to the following lands: Tract 1: That certain tract or parcel of land containing approximately 3.634 acres, more or less, being described as beginning in the Northwest Corner of the Northeast Quarter of the Southwest Quarter (NE/4 of SW/) in Section 5, Township 12 North, Range 13 West of DeSoto Parish, Louisiana. Tract 2: That certain tract or parcel of land containing approximately 7.5 acres, more or less, being described as beginning in the center of Section 5, Township 12 North, Range 13 West of DeSoto Parish, Louisiana. Tract 3: That certain tract or parcel of land containing approximately 97.895, more or less being described as the Northeast Quarter of the Southwest Quarter (NE/4 of SW/4) and the Northwest Quarter of the Southeast Quarter (NW/4 of SE/4) and the North Half of the Southwest Quarter of the Southeast Quarter (N/2 of SW/4 of SE/4) less 2.105 acres described in COB 288 Page 839 all in Section 5, Township 12 North, Range 13 West in DeSoto Parish Louisiana. Tract 4: That certain tract or parcel of land containing approximately 2.753 acres, more or less, being described as beginning in Southwest Corner of the East Half of the Southwest Quarter of the Northeast Quarter (E/2 of SW/4 of NE/4) in Section 5, Township 12 North, Range 13 West of DeSoto Parish, Louisiana. Tract 5: That certain tract or parcel of land containing approximately 1.218 acres, more or less, being described as beginning in Southwest Corner of the Northwest Quarter of the Southeast Quarter (NW/4 of SE/4) in Section 5, Township 12 North, Range 13 West of DeSoto Parish, Louisiana. Being further referred to as Exhibit 1 on that resolution from the City of Mansfield to the State of Louisiana Mineral Board. The five (5) tracts described above contain an aggregate of approximately **113.00 acres**, all as more particularly outlined on a plat on file in the Office of Mineral Resources, Department of Natural Resources. The description is based on information provided by the State Agency regarding location and ownership of surface and mineral rights. All bearings, distances and coordinates, if applicable, are based on Louisiana Coordinate System of 1927, (North or South Zone).

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

purpose. Should the mineral lease awarded by the Louisiana State Mineral Board be subsequently modified, cancelled or abrogated due to the existence of conflicting leases, operating agreements, private claims or other future obligations or conditions which may affect all or any portion of the leased Tract, it shall not relieve the Lessee of the obligation to pay any bonus due thereon to the Louisiana State Mineral Board, nor shall the Louisiana State Mineral Board be obligated to refund any consideration paid by the Lessor prior to such modification, cancellation, or abrogation, including, but not limited to, bonuses, rentals and royalties.

NOTE: There shall be a minimum bid of \$20,000.00 per acre and a minimum royalty of 27%. Lessor's royalty herein is free of all charges and costs whatsoever including, but not limited to, production, compression, cleaning, dehydration, metering, detoxification, transportation, accounting and marketing.

NOTE: The lease will only cover the depths from 100 feet below the stratigraphic equivalent of the Cotton Valley Formation to 100 feet below the stratigraphic equivalent of the base of the Haynesville Shale Formation.

NOTE: If the lease, or any portion thereof, is extended beyond the primary term by production, and the well or wells from which this production comes are shut-in for a period of in excess of sixty (60) days for any reason, this lease will not terminate if Lessee pays Lessor, their heirs or assigns, a shut-in royalty in the amount of \$10.00 per acre per month for each affected mineral acre during the shut-in period with the first shut-in payment due within thirty (30) days after the initial 60-day shut-in period and monthly thereafter. These shut-in payments will terminate when production is re-established. The maximum length of time this lease can be maintained by these shut-in payments for any single shut-in period is one (1) year. The amount of shut-in royalty will increase at a rate of five percent (5%) per annum compounded following the first year after the expiration of the primary term of this lease.

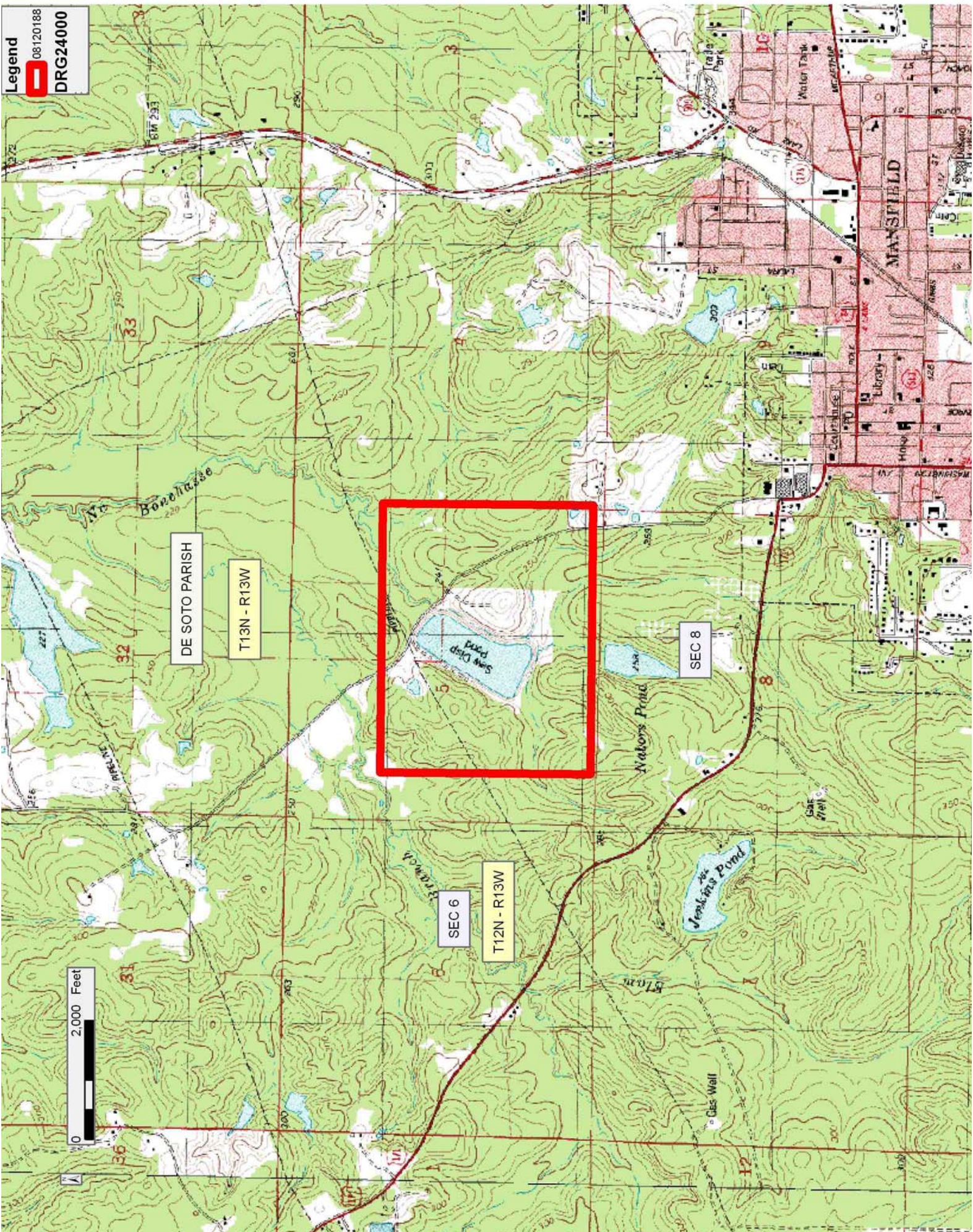
NOTE: If Lessee conducts tests or drilling on the leased lands or on lands unitized or pooled therewith, Lessee, upon receiving thirty (30) days written notice from the Lessor, agrees to supply Lessor all data and information obtained from such tests and drilling including, but not limited to, seismograph reports, electric logs, core analysis, drill stem test data and reservoir engineering studies. Lessor agrees to keep any data or information provided by the Lessee in strict confidence.

NOTE: The lease shall cover only oil, gas condensate, and other hydrocarbons normally produced in association with oil and gas.

Applicant: SUNCOAST LAND SERVICES, INC. to Agency and by Resolution from the City Of Mansfield authorizing the Mineral Board to act in its behalf

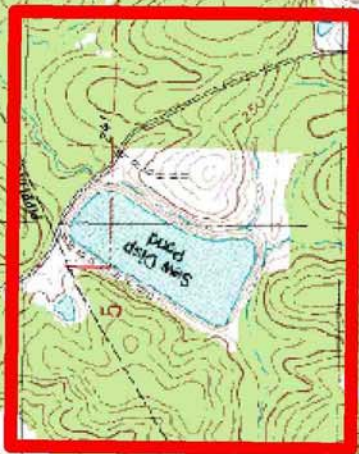
Bidder	Cash Payment	Price/Acre	Rental	Oil	Gas	Other

Legend
08120188
DRG24000



DE SOTO PARISH

T13N - R13W



SEC 8

SEC 6

T12N - R13W

2,000 Feet