

Appendix B: Sample Exploration License

Oil and Gas Exploration License
Form #DOG 2013-09

STATE OF ALASKA DEPARTMENT OF NATURAL RESOURCES

_____ Exploration License
ADL _____

THIS OIL AND GAS EXPLORATION LICENSE is issued by the State of Alaska, Department of Natural Resources ("the state" or "the department") to

("the licensee") whether one or more, whose address for purposes of notification is set out in Paragraph 18.

In consideration of the nonrefundable Oil and Gas exploration license fee, work commitment, and performance bond, and subject to the provisions of this exploration license ("license"), including the attached schedules, and by reference, incorporated into this license, the state and the licensee agree as follows.

1. GRANT. (a) Subject to the provisions contained in this license, the state grants to the licensee the exclusive right to explore for Oil and Gas on the state lands described in Schedule 1 ("licensed land"), unless this license is terminated in whole or part under the provisions of this license or applicable statutes and regulations.

(b) This license may be converted to one or more Oil and Gas Leases under the provisions of AS 38.05.134 and 11 AAC 82.978.

(c) If the state's ownership interest in the Oil and Gas in the licensed land is less than an entire and undivided interest, the grant under this license is effective only as to the state's interest in that Oil and Gas.

(d) The state makes no representations or warranties, express or implied, as to title, or access to, or quiet enjoyment of, the licensed land. The state is not liable to the licensee for any deficiency in title to the licensed land, nor is the licensee or any successor in interest to the licensee entitled to any refund due to deficiency in title for work commitments or other expenditures made under this license.

2. RESERVED RIGHTS. (a) The state, for itself and others, reserves all rights not expressly granted to the licensee. These reserved rights include, but are not limited to:

(1) the right to dispose of to others the surface of the licensed land subject to the license, and the right to authorize others by grant, lease, or permit, subject to the license;

(2) the right to explore for Oil or Gas by geological or geophysical means including the drilling of shallow core holes or stratigraphic tests to a depth of not more than 1,000 feet;

(3) the right to explore for, develop, and remove natural resources other than Oil or Gas on or from the licensed land;

(4) the right to non-exclusive easements and rights-of-way for any lawful purpose, including shafts and tunnels necessary or appropriate for working of the licensed land or other land for natural resources other than Oil or Gas;

(5) the right to well sites and well bores of wells drilled from or through the licensed land to explore for or produce Oil, Gas, and Associated Substances in and from other land; and

(6) the right to undertake any other purpose authorized by law and not inconsistent with the rights under the license.

(b) Reserved rights may be exercised by the state, or by any person or entity acting under authority of the state, in any manner that does not unreasonably interfere with or endanger the licensee's operations under this license.

3. TERM. This license is issued for a term of ____ years from the Effective Date.
4. WORK COMMITMENT. This license is conditioned upon the performance of a work commitment, as required under AS 38.05.132, of \$_____. Failure of the licensee to timely meet this work commitment will result in the relinquishment, removal, or deletion of the licensed land, termination of this license, and forfeiture of the bond under the provisions of AS 38.05.132 and 11 AAC 82.903—11AAC82.990.
5. GEOLOGIC AND GEOPHYSICAL DATA. (a) On or before each Anniversary Date of the Effective Date of this license, the licensee shall submit to the department all geologic and geophysical data, as defined in 11 AAC 82.990, in accordance with 11 AAC 82.981 and 11 AAC 82.984.
6. DATA SUBMITTAL. (a) The lessee shall submit to the state, at the Department of Natural Resources, Division of Oil & Gas (Division), all geological, geophysical, and engineering data obtained from the lease within 30 days following completion, abandonment, or suspension of each well, pilot hole, and plugged back well bore. The lessee shall also submit to the Division, on behalf of the state, data acquired subsequent to completion, abandonment, or suspension of each well, pilot hole, and plugged back well bore within 30 days following acquisition of those data. The Division, on behalf of the state, may waive receipt of operational data from some development, service, or injection wells, and will inform the operator of the waiver in writing prior to data submittal. Data shall be submitted according to the instructions set out in Attachment 1. Submission of data under this paragraph does not affect any statutory or regulatory obligation to submit data or other information to the state or any of its agencies.
(b) Any data submitted to the state, at the Department of Natural Resources, Division of Oil & Gas will be available at all times for use by the state and its agents, and will be held confidential as provided in AS 38.05.035(a)(8) and its applicable regulations. In accordance with AS 38.05.035(a)(8)(C), in order for geological, geophysical, and engineering data to be held confidential, the lessee must request confidentiality at the time of submission and mark the data "CONFIDENTIAL" in compliance with applicable regulations.
7. BONDING. (a) On or before the Effective Date of this license the licensee shall post, and during the term of this license the licensee shall maintain, a performance bond or other security in accordance with AS 38.05.132 and 11 AAC 82.945. The form to be used for bond calculations is incorporated as Schedule 2 to this license.
8. FORCE MAJEURE. (a) If by the fourth anniversary of this license the state determines that the licensee has been prevented by Force Majeure from performing an act that would maintain this license, the Effective Date of this license will be extended by adding the time lost as result of the Force Majeure.
(b) If Force Majeure occurs after the fourth anniversary and before the expiration of the term of this license, the term of this license will be extended by adding the period of time lost as a result of the Force Majeure.
9. AUDIT. The commissioner will, in the commissioner's discretion, audit expenditures as set out in 11 AAC 82.960. The licensee shall keep and have in its possession books and records showing all expenditures regarding the licensee's direct exploration expenditures, reports, data, or other information relevant to the drilling of an Oil and Gas exploration well or the gathering of geologic or geophysical data, whether or not that information is confidential. The licensee shall permit the state or its agents to examine these books and records at all reasonable times. Upon request by the state, the licensee's books and records must be made available to the state at the state office designated by the state. These books and records must employ methods and techniques that will ensure the most accurate figures reasonably available. The licensee shall use generally accepted accounting procedures consistently applied.
10. PLAN OF OPERATIONS. Before operations may be undertaken on the licensed land, the licensee shall comply with the applicable statutes and regulations in effect on the date the proposed activity is scheduled to commence, including the provisions of AS 38.05.130 and 11 AAC 82.951.
11. INSPECTION. The licensee shall keep open at all reasonable times, for inspection by any duly authorized representative of the State of Alaska, the licensed land, all wells, improvements, machinery, and fixtures on the licensed land, and all reports and records relative to operations and surveys or investigations on or with regard to the licensed land or under this license. Upon request, the licensee shall furnish the State of Alaska with copies of and extracts from any such reports and records.
12. ASSIGNMENT. This license, or an interest in this license, may be assigned or otherwise transferred in accordance with 11 AAC 82.966, 11 AAC 82.969, and 11 AAC 82.972.
13. SURRENDER. The licensee may, at any time, file with the state a written surrender of rights under the provisions of 11 AAC 82.957.

14. TERMINATION. The commissioner will, in the commissioner's discretion, terminate this license under the provisions of 11 AAC 82.975 for the licensee's failure to comply with any of its provisions, applicable statutes, regulations, or stipulations.

15. RIGHTS UPON SURRENDER OR TERMINATION. Upon the surrender or termination as to all or any portion of the licensed land, the state will direct the licensee in writing and the licensee will have the right at any time within a period of one year after the surrender or termination, or any extension of that period as the state may grant, to remove from the licensed land or portion of the licensed land all machinery, equipment, tools, and materials. Upon the expiration of that period or extension of that period and at the option of the state, any machinery, equipment, tools, and materials that the licensee has not removed from the licensed land or portion of the licensed land become the property of the state or may be removed by the state at the licensee's expense. At the option of the state, all improvements such as roads, pads, and wells must either be abandoned and the sites rehabilitated by the licensee to the satisfaction of the state, or be left intact and the licensee absolved of all further responsibility as to their maintenance, repair, and eventual abandonment and rehabilitation. Subject to the above conditions, the licensee shall deliver the licensed land or those portions of the licensed land in good condition.

16. DAMAGES AND INDEMNIFICATION. (a) The licensee shall indemnify the state for, and hold it harmless from, any claim, including claims for loss or damage to property or injury to any person caused by or resulting from any act or omission committed under this license by or on behalf of the licensee. The licensee is not responsible to the state under this subparagraph for any loss, damage, or injury caused by or resulting from the sole negligence of the state.

(b) The licensee expressly waives any defense to an action for breach of a provision of this license or for damages resulting from an oil spill, well blow-out, or other harm to the environment that is based on an act or omission committed by an independent contractor in the licensee's employ. The licensee expressly agrees to assume responsibility for all actions of its independent contractors.

17. AUTHORIZED REPRESENTATIVES. The Director of the Division of Oil and Gas, Department of Natural Resources, State of Alaska, and the person executing this license on behalf of the licensee will be authorized representatives for their respective principals for the purposes of administering this license. The state or the licensee may change the designation of its authorized representative or the address to which notices to that representative are to be sent by a notice given in accordance with Paragraph 18 below. When activities under a plan of operations are underway, the licensee shall also designate, by notice under Paragraph 18 below, by name, job title, and address, an agent who will be present in the state during all license activities.

18. NOTICES; PROTEST. (a) Any notices required or permitted under this license must be by electronic media producing a permanent record or in writing and must be given personally or by registered or certified mail, return receipt requested, addressed as follows:

TO THE STATE:

DIRECTOR, DIVISION OF OIL AND GAS
DEPARTMENT OF NATURAL RESOURCES
550 WEST 7TH AVENUE, SUITE 1100
ANCHORAGE, ALASKA 99501-3563

TO THE LICENSEE:

(b) Any notice given under this paragraph will be effective when delivered to the above authorized representative.

19. APPEALS. The licensee shall appeal decisions of the commissioner related to this license in accordance with 11 AAC 82.963.

20. STATUTES AND REGULATIONS. This license is subject to all applicable state and federal statutes and regulations in effect on the Effective Date of this license, and to all statutes and regulations placed in effect after the

Effective Date of this license. A reference to a statute or regulation in this license includes any future change in that statute or regulation whether by amendment, repeal and replacement, or other means. This license does not limit the power of the State of Alaska or the United States of America to enact and enforce legislation or to promulgate and enforce regulations affecting, directly or indirectly, the activities of the licensee or its agents in connection with this license or the value of the interest held under this license. In case of conflicting provisions, statutes and regulations take precedence over this license.

21. INTERPRETATION. This license is to be interpreted in accordance with the rules applicable to the interpretation of contracts made in the State of Alaska. The paragraph headings are not part of this license and are inserted only for convenience. The state and the licensee expressly agree that the law of the State of Alaska will apply in any judicial proceeding affecting this license.

22. WAIVER OF CONDITIONS. The state reserves the right to waive any breach of a provision of this license, but any waiver extends only to the particular breach waived and does not limit the rights of the state with respect to any future breach; nor will the waiver of a particular breach prevent cancellation of this license for any other cause or for the same cause occurring at another time. Notwithstanding the foregoing, the state will not be deemed to have waived a provision of this license unless it does so in writing.

23. SEVERABILITY. If it is finally determined in any judicial proceeding that any provision of this license is invalid, the state and the licensee may jointly agree by a written amendment to this license that, in consideration of the provisions in that written amendment, the invalid portion will be treated as severed from this license and that the remainder of this license, as amended, will remain in effect.

24. NONDISCRIMINATION. The licensee and the licensee's contractors and subcontractors may not discriminate against any employee or applicant because of race, religion, marital status, change in marital status, pregnancy, parenthood, physical handicap, color, sex, age, or national origin as set out in AS 18.80.220. The licensee and its contractors and subcontractors shall, on beginning any operations under this license, post in a conspicuous place notices setting out this nondiscrimination provision.

25. DEFINITIONS. To the extent that the words and phrases used in this license are defined in 11 AAC 82.990, those definitions will apply to this license. With respect to all other words and phrases used in this license, they will be interpreted in accordance with AS. 01.10.040. However, the following words have the following meanings unless the context unavoidably requires otherwise.

(1) "Anniversary Date" means the date in each successive calendar year following the Effective Date that is the same as the Effective Date.

(2) "Associated Substances" means all substances except helium produced as an incident of production of Oil or Gas by ordinary production methods and not defined in this license as Oil or Gas;

(3) "Effective Date" means the first day of the month following the date on which the exploration license or, if an extension is granted, the extension was signed on behalf of the state or, upon written request, on the first day of the month in which it was signed on behalf of the state.

(4) "Force Majeure" means war, riots, acts of God, unusually severe weather, or any other cause beyond the licensee's reasonable ability to foresee or control and includes operational failure of existing transportation facilities and delays caused by judicial decisions or lack of them.

(5) "Gas" means all natural gas (except helium gas) and all other hydrocarbons produced that are not defined in this license as Oil;

(6) "Oil" means crude petroleum oil and other hydrocarbons, regardless of gravity, that are produced in liquid form by ordinary production methods, including liquid hydrocarbons known as distillate or condensate recovered by separation from Gas other than at a Gas processing plant.

26. EFFECTIVE DATE. This license takes effect on

BY SIGNING THIS LICENSE, the state and the licensee agree to be bound by its provisions.

STATE OF ALASKA

By: _____
W. C. Barron
Director, Division of Oil and Gas

STATE OF ALASKA)
) ss.
Third Judicial District)

On _____, before me appeared W. C. Barron of the Division of Oil and Gas of the State of Alaska, Department of Natural Resources, and who executed this license and acknowledged voluntarily signing it on behalf of the State of Alaska as lessor.

Notary public in and for the State of Alaska
My commission expires _____

LICENSEE: _____

Signature: _____

Printed Name/Title: _____

INSERT NOTARY ACKNOWLEDGMENT OF LICENSEE'S SIGNATURE HERE

SCHEDULE 1

Legal Description

Southwest Cook Inlet Exploration License

ADL 392536

Tract 1

T. 3 S., R. 20 W., Seward Meridian, Alaska.

Section 1, Protracted, All, 640.00 acres;
Section 2, Protracted, All, 640.00 acres;
Section 3, Unsurveyed, All tide and submerged lands excluding Lake Clark National Park and Preserve, 133.00 acres;
Section 10, Unsurveyed, All tide and submerged lands excluding Lake Clark National Park and Preserve, 275.00 acres;
Section 11, Protracted, All, 640.00 acres;
Section 12, Protracted, All, 640.00 acres;
Section 13, Protracted, All, 640.00 acres;
Section 14, Protracted, All, 640.00 acres;
Section 15, Unsurveyed, All tide and submerged lands excluding Lake Clark National Park and Preserve, 532.00 acres;
Section 16, Unsurveyed, All tide and submerged lands excluding Lake Clark National Park and Preserve, 46.00 acres;

This Tract (1) contains 4,826.00 acres, more or less.

Note: The licensee is cautioned that the mean high water line of Lake Clark National Park and Preserve, PL 96-487, abutting the Southwest Cook Inlet Exploration License area is unsurveyed. The data used for acreage computations is the DNR GIS Administrative Large Parcel depiction of Lake Clark National Park and Preserve, current as of May 12, 2014, and does not necessarily depict the current location of the line of mean high water.

Tract 2

T. 3 S., R. 20 W., Seward Meridian, Alaska.

Section 19, Unsurveyed, All tide and submerged lands excluding Lake Clark National Park and Preserve, 99.00 acres;
Section 20, Unsurveyed, All tide and submerged lands excluding Lake Clark National Park and Preserve, 292.00 acres;
Section 21, Unsurveyed, All tide and submerged lands excluding Lake Clark National Park and Preserve, 566.00 acres;
Section 28, Protracted, All, 640.00 acres;
Section 29, Protracted, All, 640.00 acres;
Section 30, Protracted, All, 623.00 acres;
Section 31, Protracted, All, 629.00 acres;
Section 32, Protracted, All, 640.00 acres;
Section 33, Protracted, All, 640.00 acres;

This Tract (2) contains 4,769.00 acres, more or less.

Note: The licensee is cautioned that the mean high water line of Lake Clark National Park and Preserve, PL 96-487, abutting the Southwest Cook Inlet Exploration License area is unsurveyed. The data used for acreage computations is the DNR GIS Administrative Large Parcel depiction of Lake Clark National Park and Preserve, current as of May 12, 2014, and does not necessarily depict the current location of the line of mean high water.

Tract 3

T. 3 S., R. 20 W., Seward Meridian, Alaska.

Section 22, Protracted, All, 640.00 acres;
Section 23, Protracted, All, 640.00 acres;
Section 24, Protracted, All, 640.00 acres;
Section 25, Protracted, All, 640.00 acres;
Section 26, Protracted, All, 640.00 acres;
Section 27, Protracted, All, 640.00 acres;
Section 34 Protracted, All, 640.00 acres;
Section 35, Protracted, All, 640.00 acres;
Section 36, Protracted, All, within the computed Alaska Seaward Boundary, 450.27 acres;

This Tract (3) contains 5,570.27 acres, more or less.

Note: Alaska Seaward Boundary Diagrams based on the currently approved Submerged Lands Act Boundary have not been approved by the State of Alaska and the Bureau of Ocean Energy Management for this region of Cook Inlet. Acreage computations are based on the coordinates published by BOEM for Outer Continental Shelf Official Protraction Diagrams Iliamna NO 05-01 and Seldovia NO 05-02.

Tract 4

T. 3 S., R. 21 W., Seward Meridian, Alaska.

Section 25, Unsurveyed, All tide and submerged lands excluding Lake Clark National Park and Preserve, 161.00 acres;
Section 27, Unsurveyed, All tide and submerged lands excluding Lake Clark National Park and Preserve, 10.00 acres;
Section 34, Unsurveyed, All tide and submerged lands excluding Lake Clark National Park and Preserve, 458.00 acres;
Section 35, Unsurveyed, All tide and submerged lands excluding Lake Clark National Park and Preserve, 507.00 acres;
Section 36, Unsurveyed, All tide and submerged lands excluding Lake Clark National Park and Preserve, 539.00 acres;

This Tract (4) contains 1,675.00 acres, more or less.

Note: The licensee is cautioned that the mean high water line of Lake Clark National Park and Preserve, PL 96-487, abutting the Southwest Cook Inlet Exploration License area is unsurveyed. The data used for acreage computations is the DNR GIS Administrative Large Parcel depiction of Lake Clark National Park and Preserve, current as of May 12, 2014, and does not necessarily depict the current location of the line of mean high water.

Tract 5

T. 3 S., R. 21 W., Seward Meridian, Alaska.

Section 28, Unsurveyed, All tide and submerged lands excluding Lake Clark National Park and Preserve, 40.00 acres;
Section 30, Unsurveyed, All tide and submerged lands excluding Lake Clark National Park and Preserve, 50.00 acres;
Section 31, Unsurveyed, All tide and submerged lands excluding Lake Clark National Park and Preserve, 574.00 acres;
Section 32, Unsurveyed, All tide and submerged lands excluding Lake Clark National Park and Preserve, 495.00 acres;
Section 33, Protracted, All, 627.00 acres;

This Tract (5) contains 1,786.00 acres, more or less.

Note: The licensee is cautioned that the mean high water line of Lake Clark National Park and Preserve, PL 96-487, abutting the Southwest Cook Inlet Exploration License area is unsurveyed. The data used for acreage computations is the DNR GIS Administrative Large Parcel depiction of Lake Clark National Park and Preserve, current as of May 12, 2014, and does not necessarily depict the current location of the line of mean high water.

Tract 6

T. 3 S., R. 22 W., Seward Meridian, Alaska.

Section 25, Unsurveyed, All tide and submerged lands excluding Lake Clark National Park and Preserve, 146.00 acres;
Section 26, Unsurveyed, All tide and submerged lands excluding Lake Clark National Park and Preserve, 215.00 acres;
Section 27, Unsurveyed, All tide and submerged lands excluding Lake Clark National Park and Preserve, 56.00 acres;
Section 31, Unsurveyed, All tide and submerged lands excluding Lake Clark National Park and Preserve, 6.00 acres;
Section 32, Unsurveyed, All tide and submerged lands excluding Lake Clark National Park and Preserve, 112.00 acres;
Section 33, Unsurveyed, All tide and submerged lands excluding Lake Clark National Park and Preserve, 323.00 acres;
Section 34, Unsurveyed, All tide and submerged lands excluding Lake Clark National Park and Preserve, 625.00 acres;
Section 35, Protracted, All, 640.00 acres;
Section 36, Protracted, All, 640.00 acres;

This Tract (6) contains 2,763.00 acres, more or less.

Note: The licensee is cautioned that the mean high water line of Lake Clark National Park and Preserve, PL 96-487, abutting the Southwest Cook Inlet Exploration License area is unsurveyed. The data used for acreage computations is the DNR GIS Administrative Large Parcel depiction of Lake Clark National Park and Preserve, current as of May 12, 2014, and does not necessarily depict the current location of the line of mean high water.

Tract 7

T. 4 S., R. 20 W., Seward Meridian, Alaska.

Section 1, Protracted, All, within the computed Alaska Seaward Boundary, 0.58 acres;
Section 2, Protracted, All, within the computed Alaska Seaward Boundary, 288.99 acres;
Section 3, Protracted, All, within the computed Alaska Seaward Boundary, 630.18 acres;
Section 10, Protracted, All, within the computed Alaska Seaward Boundary, 114.36 acres;

This Tract (7) contains 1,034.11 acres, more or less.

Note: Alaska Seaward Boundary Diagrams based on the currently approved Submerged Lands Act Boundary have not been approved by the State of Alaska and the Bureau of Ocean Energy Management for this region of Cook Inlet. Acreage computations are based on the coordinates published by BOEM for Outer Continental Shelf Official Protraction Diagrams Iliamna NO 05-01 and Seldovia NO 05-02.

Tract 8

T. 4 S., R. 20 W., Seward Meridian, Alaska.

Section 4, Protracted, All, 640.00 acres;
Section 5, Protracted, All, 640.00 acres;
Section 6, Protracted, All, 631.00 acres;
Section 7, Protracted, All, 633.00 acres;
Section 8, Protracted, All, within the computed Alaska Seaward Boundary, 639.63 acres;
Section 9, Protracted, All, within the computed Alaska Seaward Boundary, 394.24 acres;
Section 17, Protracted, All, within the computed Alaska Seaward Boundary, 266.27 acres;
Section 18, Protracted, All, within the computed Alaska Seaward Boundary, 599.55 acres;
Section 19, Protracted, All, within the computed Alaska Seaward Boundary, 23.60 acres;

This Tract (8) contains 4,467.29 acres, more or less.

Note: Alaska Seaward Boundary Diagrams based on the currently approved Submerged Lands Act Boundary have not been approved by the State of Alaska and the Bureau of Ocean Energy Management for this region of Cook Inlet. Acreage computations are based on the coordinates published by BOEM for Outer Continental Shelf Official Protraction Diagrams Iliamna NO 05-01 and Seldovia NO 05-02.

Tract 9

T. 4 S., R. 21 W., Seward Meridian, Alaska.

Section 1, Protracted, All, 640.00 acres;
Section 2, Protracted, All, 640.00 acres;
Section 3, Protracted, All, 640.00 acres;
Section 10, Protracted, All, 640.00 acres;
Section 11, Protracted, All, 640.00 acres;
Section 12, Protracted, All, 640.00 acres;
Section 13, Protracted, All, 640.00 acres;
Section 14, Protracted, All, 640.00 acres;
Section 15, Protracted, All, 640.00 acres;

This Tract (9) contains 5,760.00 acres, more or less.

Tract 10

T. 4 S., R. 21 W., Seward Meridian, Alaska.

Section 4, Protracted, All, 640.00 acres;
Section 5, Protracted, All, 640.00 acres;
Section 6, Protracted, All, 631.00 acres;
Section 7, Protracted, All, 633.00 acres;
Section 8, Protracted, All, 640.00 acres;
Section 9, Protracted, All, 640.00 acres;
Section 16, Protracted, All, 640.00 acres;
Section 17, Protracted, All, 640.00 acres;
Section 18, Protracted, All, 634.00 acres;

This Tract (10) contains 5,738.00 acres, more or less.

Tract 11

T. 4 S., R. 21 W., Seward Meridian, Alaska.

Section 19, Protracted, All, 636.00 acres;
Section 20, Protracted, All, 640.00 acres;
Section 21, Protracted, All, 640.00 acres;
Section 28, Protracted, All, 640.00 acres;
Section 29, Protracted, All, 640.00 acres;
Section 30, Protracted, All, 638.00 acres;
Section 31, Protracted, All, 639.00 acres;
Section 32, Protracted, All, 640.00 acres;

Section 33, Protracted, All, within the computed Alaska Seaward Boundary, 477.91 acres;

This Tract (11) contains 5,590.91 acres, more or less.

Note: Alaska Seaward Boundary Diagrams based on the currently approved Submerged Lands Act Boundary have not been approved by the State of Alaska and the Bureau of Ocean Energy Management for this region of Cook Inlet. Acreage computations are based on the coordinates published by BOEM for Outer Continental Shelf Official Protraction Diagrams Iliamna NO 05-01 and Seldovia NO 05-02.

Tract 12

T. 4 S., R. 21 W., Seward Meridian, Alaska.

Section 22, Protracted, All, 640.00 acres;
Section 23, Protracted, All, within the computed Alaska Seaward Boundary, 505.37 acres;
Section 24, Protracted, All, within the computed Alaska Seaward Boundary, 134.11 acres;
Section 26, Protracted, All, within the computed Alaska Seaward Boundary, 29.26 acres;
Section 27, Protracted, All, within the computed Alaska Seaward Boundary, 460.56 acres;
Section 34, Protracted, All, within the computed Alaska Seaward Boundary, 13.11 acres;

This Tract (12) contains 1,782.41 acres, more or less.

Note: Alaska Seaward Boundary Diagrams based on the currently approved Submerged Lands Act Boundary have not been approved by the State of Alaska and the Bureau of Ocean Energy Management for this region of Cook Inlet. Acreage computations are based on the coordinates published by BOEM for Outer Continental Shelf Official Protraction Diagrams Iliamna NO 05-01 and Seldovia NO 05-02.

Tract 13

T. 4 S., R. 22 W., Seward Meridian, Alaska.

Section 1, Protracted, All, 640.00 acres;
Section 2, Protracted, All, 640.00 acres;
Section 3, Protracted, All, 640.00 acres;
Section 10, Protracted, All, 640.00 acres;
Section 11, Protracted, All, 640.00 acres;
Section 12, Protracted, All tide and submerged lands excluding Alaska Maritime National Wildlife Refuge, 624.00 acres;
Section 13, Protracted, All, 640.00 acres;
Section 14, Unsurveyed, All tide and submerged lands, 298.00 acres;
Section 15, Unsurveyed, All tide and submerged lands, 190.00 acres;

This Tract (13) contains 4,952.00 acres, more or less.

Note: The licensee is cautioned that public lands on islands, islets, rocks, reefs, spires and designated capes and headlands in the coastal areas and adjacent seas of Alaska are included in the Alaska Maritime National Wildlife Refuge, Gulf of Alaska Unit, PL 96-487. Due to lack of survey data, the data used for acreage computations is the DNR GIS Hydrography data current as of May 21, 2014, is based on USGS topographic maps and 1978 – 1985 aerial high altitude photography, and may not depict the current line of mean high water.

Tract 14

T. 4 S., R. 22 W., Seward Meridian, Alaska.

Section 4, Protracted, All, 640.00 acres;
Section 5, Protracted, All, 640.00 acres;
Section 6, Unsurveyed, All tide and submerged lands excluding Lake Clark National Park and Preserve, 548.00 acres;
Section 7, Protracted, All, 633.00 acres;
Section 8, Protracted, All, 640.00 acres;
Section 9, Protracted, All, 640.00 acres;
Section 16, Unsurveyed, All tide and submerged lands, 217.00 acres;
Section 17, Unsurveyed, All tide and submerged lands, 501.00 acres;
Section 18, Unsurveyed, All tide and submerged lands, 634.00 acres;
Section 19, Unsurveyed, All tide and submerged lands, 506.00 acres;
Section 20, Unsurveyed, All tide and submerged lands, 88.00 acres;

This Tract (14) contains 5,687.00 acres, more or less.

Note: The licensee is cautioned that the mean high water line of Lake Clark National Park and Preserve, PL 96-487, abutting the Southwest Cook Inlet Exploration License area is unsurveyed. The data used for acreage computations is the DNR GIS Administrative

Large Parcel depiction of Lake Clark National Park and Preserve, current as of May 12, 2014, and does not necessarily depict the current location of the line of mean high water.

Tract 15

T. 4 S., R. 22 W., Seward Meridian, Alaska.

Section 23, Unsurveyed, All tide and submerged lands, 4.00 acres;
Section 24, Unsurveyed, All tide and submerged lands, 582.00 acres;
Section 25, Unsurveyed, All tide and submerged lands, 546.00 acres;
Section 35, Unsurveyed, All tide and submerged lands, 10.00 acres;
Section 36, Unsurveyed, All tide and submerged lands, 611.00 acres;

This Tract (15) contains 1,753.00 acres, more or less.

Tract 16

T. 4 S., R. 23 W., Seward Meridian, Alaska.

Section 1, Unsurveyed, All tide and submerged lands excluding Lake Clark National Park and Preserve, 498.00 acres;
Section 2, Unsurveyed, All tide and submerged lands excluding Lake Clark National Park and Preserve, 502.00 acres;
Section 3, Unsurveyed, All tide and submerged lands excluding Lake Clark National Park and Preserve, 463.00 acres;
Section 10, Protracted, All, 640.00 acres;
Section 11, Protracted, All, 640.00 acres;
Section 12, Protracted, All, 640.00 acres;
Section 13, Protracted, All, 640.00 acres;
Section 14, Unsurveyed, All tide and submerged lands, 626.00 acres;
Section 15, Unsurveyed, All tide and submerged lands, 547.00 acres;

This Tract (16) contains 5,196.00 acres, more or less.

Note: The licensee is cautioned that the mean high water line of Lake Clark National Park and Preserve, PL 96-487, abutting the Southwest Cook Inlet Exploration License area is unsurveyed. The data used for acreage computations is the DNR GIS Administrative Large Parcel depiction of Lake Clark National Park and Preserve, current as of May 12, 2014, and does not necessarily depict the current location of the line of mean high water.

Tract 17

T. 4 S., R. 23 W., Seward Meridian, Alaska.

Section 4, Unsurveyed, All tide and submerged lands excluding Lake Clark National Park and Preserve, 47.00 acres;
Section 5, Unsurveyed, All excluding Lake Clark National Park and Preserve, 29.00 acres;
Section 6, Unsurveyed, All excluding Lake Clark National Park and Preserve, 211.00 acres;
Section 8, Unsurveyed, All tide and submerged lands, 6.00 acres;
Section 9, Unsurveyed, All tide and submerged lands, 439.00 acres;
Section 16, Unsurveyed, All tide and submerged lands, 626.00 acres;
Section 17, Unsurveyed, All tide and submerged lands, 452.00 acres;
Section 18, Unsurveyed, All tide and submerged lands, 2.00 acres;
Section 19, Unsurveyed, All tide and submerged lands, 45.00 acres;
Section 20, Unsurveyed, All tide and submerged lands, 508.00 acres;
Section 21, Unsurveyed, All tide and submerged lands, 144.00 acres;

This Tract (17) contains 2,509.00 acres, more or less.

Note: The licensee is cautioned that the mean high water line of Lake Clark National Park and Preserve, PL 96-487, abutting the Southwest Cook Inlet Exploration License area is unsurveyed. The data used for acreage computations is the DNR GIS Administrative Large Parcel depiction of Lake Clark National Park and Preserve, current as of May 12, 2014, and does not necessarily depict the current location of the line of mean high water.

Tract 18

T. 4 S., R. 23 W., Seward Meridian, Alaska.

Section 23, Unsurveyed, All tide and submerged lands, 77.00 acres;
Section 24, Unsurveyed, All tide and submerged lands, 453.00 acres;
Section 25, Unsurveyed, All tide and submerged lands, 8.00 acres;
Section 36, Surveyed, All, 640.00 acres;

This Tract (18) contains 1,178.00 acres, more or less.

According to the survey plat accepted by the United States Department of the Interior, General Land Office in Washington, D.C. on March 2, 1927.

Tract 19

T. 5 S., R. 21 W., Seward Meridian, Alaska.

Section 5, Protracted, All, within the computed Alaska Seaward Boundary, 119.17 acres;
Section 6, Protracted, All, within the computed Alaska Seaward Boundary, 601.00 acres;
Section 7, Protracted, All, within the computed Alaska Seaward Boundary, 528.37 acres;
Section 8, Protracted, All, within the computed Alaska Seaward Boundary, 2.36 acres;
Section 18, Protracted, All, within the computed Alaska Seaward Boundary, 304.13 acres;
Section 19, Protracted, All, within the computed Alaska Seaward Boundary, 165.40 acres;
Section 30, Protracted, All, within the computed Alaska Seaward Boundary, 16.02 acres;

This Tract (19) contains 1,736.45 acres, more or less.

Note: Alaska Seaward Boundary Diagrams based on the currently approved Submerged Lands Act Boundary have not been approved by the State of Alaska and the Bureau of Ocean Energy Management for this region of Cook Inlet. Acreage computations are based on the coordinates published by BOEM for Outer Continental Shelf Official Protraction Diagrams Iliamna NO 05-01 and Seldovia NO 05-02.

Tract 20

T. 5 S., R. 22 W., Seward Meridian, Alaska.

Section 1, Protracted, All, 640.00 acres;
Section 2, Protracted, All, 640.00 acres;
Section 3, Unsurveyed, All tide and submerged lands, 370.00 acres;
Section 10, Unsurveyed, All tide and submerged lands, 564.00 acres;
Section 11, Protracted, All, 640.00 acres;
Section 12, Protracted, All, 640.00 acres;
Section 13, Protracted, All, 640.00 acres;
Section 14, Protracted, All, 640.00 acres;
Section 15, Protracted, All, 640.00 acres;

This Tract (20) contains 5,414.00 acres, more or less.

Tract 21

T. 5 S., R. 22 W., Seward Meridian, Alaska.

Section 9, Unsurveyed, All tide and submerged lands, 1.00 acres;
Section 16, Unsurveyed, All tide and submerged lands, 93.00 acres;
Section 21, Unsurveyed, All tide and submerged lands, 296.00 acres;
Section 28, Unsurveyed, All tide and submerged lands, 449.00 acres;
Section 32, Unsurveyed, All tide and submerged lands, 75.00 acres;
Section 33, Unsurveyed, All tide and submerged lands, 634.00 acres;

This Tract (21) contains 1,548.00 acres, more or less.

Tract 22

T. 5 S., R. 22 W., Seward Meridian, Alaska.

Section 22, Protracted, All, 640.00 acres;
Section 23, Protracted, All, 640.00 acres;
Section 24, Protracted, All, 640.00 acres;
Section 25, Protracted, All, within the computed Alaska Seaward Boundary, 592.44 acres;
Section 26, Protracted, All, 640.00 acres;
Section 27, Protracted, All, 640.00 acres;
Section 34, Protracted, All, 640.00 acres;
Section 35, Protracted, All, 640.00 acres;
Section 36, Protracted, All, within the computed Alaska Seaward Boundary, 427.25 acres;

This Tract (22) contains 5,499.69 acres, more or less.

Note: Alaska Seaward Boundary Diagrams based on the currently approved Submerged Lands Act Boundary have not been approved by the State of Alaska and the Bureau of Ocean Energy Management for this region of Cook Inlet. Acreage computations are based on

the coordinates published by BOEM for Outer Continental Shelf Official Protraction Diagrams Iliamna NO 05-01 and Seldovia NO 05-02.

Tract 23

T. 5 S., R. 23 W., Seward Meridian, Alaska.

Section 16, Surveyed, All, 640.00 acres;

This Tract (23) contains 640.00 acres, more or less.

According to the survey plat accepted by the United States Department of the Interior, General Land Office in Washington, D.C. on March 2, 1927.

Tract 24

T. 5 S., R. 23 W., Seward Meridian, Alaska.

Section 36, Surveyed, All, 640.00 acres;

This Tract (24) contains 640.00 acres, more or less.

According to the survey plat accepted by the United States Department of the Interior, General Land Office in Washington, D.C. on March 2, 1927.

Tract 25

T. 5 S., R. 24 W., Seward Meridian, Alaska.

Section 6, Unsurveyed, All tide and submerged lands, 338.00 acres;
Section 7, Unsurveyed, All tide and submerged lands, 550.00 acres;
Section 8, Unsurveyed, All tide and submerged lands, 4.00 acres;
Section 16, Unsurveyed, All tide and submerged lands, 8.00 acres;
Section 17, Unsurveyed, All tide and submerged lands, 486.00 acres;
Section 18, Unsurveyed, All tide and submerged lands, 605.00 acres;

This Tract (25) contains 1,991.00 acres, more or less.

Tract 26

T. 5 S., R. 24 W., Seward Meridian, Alaska.

Section 15, Unsurveyed, All tide and submerged lands, 1.00 acres;
Section 19, Protracted, All, 606.00 acres;
Section 20, Protracted, All, 640.00 acres;
Section 21, Unsurveyed, All tide and submerged lands, 484.00 acres;
Section 22, Unsurveyed, All tide and submerged lands, 265.00 acres;
Section 27, Unsurveyed, All tide and submerged lands, 10.00 acres;
Section 28, Unsurveyed, All tide and submerged lands, 310.00 acres;
Section 29, Protracted, All, 640.00 acres;
Section 30, Protracted, All, 608.00 acres;
Section 31, Protracted, All, 610.00 acres;
Section 32, Protracted, All, 640.00 acres;
Section 33, Unsurveyed, All tide and submerged lands, 247.00 acres;

This Tract (26) contains 5,061.00 acres, more or less.

Tract 27

T. 5 S., R. 24 W., Seward Meridian, Alaska.

Section 36, Surveyed, All, 640.00 acres;

This Tract (27) contains 640.00 acres, more or less.

According to the survey plat accepted by the United States Department of the Interior, General Land Office in Washington, D.C. on March 2, 1927.

Tract 28**T. 6 S., R. 22 W., Seward Meridian, Alaska.**

Section 1, Protracted, All within the computed Alaska Seaward Boundary, 266.12 acres;
Section 2, Protracted, All, 640.00 acres;
Section 3, Protracted, All, 640.00 acres;
Section 10, Protracted, All, 640.00 acres;
Section 11, Protracted, All within the computed Alaska Seaward Boundary, 618.68 acres;
Section 12, Protracted, All within the computed Alaska Seaward Boundary, 72.21 acres;
Section 14, Protracted, All within the computed Alaska Seaward Boundary, 211.48 acres;
Section 15, Protracted, All within the computed Alaska Seaward Boundary, 611.21 acres;

This Tract (28) contains 3,699.70 acres, more or less.

Note: Alaska Seaward Boundary Diagrams based on the currently approved Submerged Lands Act Boundary have not been approved by the State of Alaska and the Bureau of Ocean Energy Management for this region of Cook Inlet. Acreage computations are based on the coordinates published by BOEM for Outer Continental Shelf Official Protraction Diagrams Iliamna NO 05-01 and Seldovia NO 05-02.

Tract 29**T. 6 S., R. 22 W., Seward Meridian, Alaska.**

Section 4, Protracted, All, 640.00 acres;
Section 5, Unsurveyed, All tide and submerged lands, 633.00 acres;
Section 6, Unsurveyed, All tide and submerged lands, 321.00 acres;
Section 7, Protracted, All, 613.00 acres;
Section 8, Protracted, All, 640.00 acres;
Section 9, Protracted, All, 640.00 acres;
Section 16, Protracted, All, 640.00 acres;
Section 17, Protracted, All, 640.00 acres;
Section 18, Protracted, All, 615.00 acres;

This Tract (29) contains 5,382.00 acres, more or less.

Tract 30**T. 6 S., R. 22 W., Seward Meridian, Alaska.**

Section 19, Protracted, All, 616.00 acres;
Section 20, Protracted, All within the computed Alaska Seaward Boundary, 604.74 acres;
Section 21, Protracted, All within the computed Alaska Seaward Boundary, 304.49 acres;
Section 22, Protracted, All within the computed Alaska Seaward Boundary, 52.48 acres;
Section 29, Protracted, All within the computed Alaska Seaward Boundary, 88.21 acres;
Section 30, Protracted, All within the computed Alaska Seaward Boundary, 578.42 acres;
Section 31, Protracted, All within the computed Alaska Seaward Boundary, 109.48 acres;

This Tract (30) contains 2,353.82 acres, more or less.

Note: Alaska Seaward Boundary Diagrams based on the currently approved Submerged Lands Act Boundary have not been approved by the State of Alaska and the Bureau of Ocean Energy Management for this region of Cook Inlet. Acreage computations are based on the coordinates published by BOEM for Outer Continental Shelf Official Protraction Diagrams Iliamna NO 05-01 and Seldovia NO 05-02.

Tract 31**T. 6 S., R. 23 W., Seward Meridian, Alaska.**

Section 1, Unsurveyed, All tide and submerged lands, 73.00 acres;
Section 2, Unsurveyed, All tide and submerged lands, 47.00 acres;
Section 11, Unsurveyed, All tide and submerged lands, 322.00 acres;
Section 12, Unsurveyed, All tide and submerged lands, 639.00 acres;
Section 13, Protracted, All, 640.00 acres;
Section 14, Unsurveyed, All tide and submerged lands, 497.00 acres;
Section 15, Unsurveyed, All tide and submerged lands, 72.00 acres;

This Tract (31) contains 2,290.00 acres, more or less.

Tract 32**T. 6 S., R. 23 W., Seward Meridian, Alaska.**

Section 18, Unsurveyed, All tide and submerged lands, 28.00 acres;
Section 19, Unsurveyed, All tide and submerged lands, 250.00 acres;
Section 20, Unsurveyed, All tide and submerged lands, 13.00 acres;
Section 21, Unsurveyed, All tide and submerged lands, 214.00 acres;
Section 28, Protracted, All, 640.00 acres;
Section 29, Unsurveyed, All tide and submerged lands, 620.00 acres;
Section 30, Unsurveyed, All tide and submerged lands, 612.00 acres;
Section 31, Protracted, All, 620.00 acres;
Section 32, Protracted, All, 640.00 acres;
Section 33, Protracted, All, 640.00 acres;

This Tract (32) contains 4,277.00 acres, more or less.

Tract 33**T. 6 S., R. 23 W., Seward Meridian, Alaska.**

Section 22, Unsurveyed, All tide and submerged lands, 601.00 acres;
Section 23, Protracted, All, 640.00 acres;
Section 24, Protracted, All, 640.00 acres;
Section 25, Protracted, All, 640.00 acres;
Section 26, Protracted, All, 640.00 acres;
Section 27, Protracted, All, 640.00 acres;
Section 34, Protracted, All, 640.00 acres;
Section 35, Protracted, All, 640.00 acres;
Section 36, Protracted, All, within the computed Alaska Seaward Boundary, 642.30 acres;

This Tract (33) contains 5,723.30 acres, more or less.

Note: Alaska Seaward Boundary Diagrams based on the currently approved Submerged Lands Act Boundary have not been approved by the State of Alaska and the Bureau of Ocean Energy Management for this region of Cook Inlet. Acreage computations are based on the coordinates published by BOEM for Outer Continental Shelf Official Protraction Diagrams Iliamna NO 05-01 and Seldovia NO 05-02.

Tract 34**T. 6 S., R. 24 W., Seward Meridian, Alaska.**

Section 11, Unsurveyed, All tide and submerged lands, 117.00 acres;
Section 12, Unsurveyed, All tide and submerged lands, 225.00 acres;
Section 13, Unsurveyed, All tide and submerged lands, 628.00 acres;
Section 14, Unsurveyed, All tide and submerged lands, 208.00 acres;
Section 23, Unsurveyed, All tide and submerged lands, 93.00 acres;
Section 24, Protracted, All, 640.00 acres;
Section 25, Unsurveyed, All tide and submerged lands excluding Alaska Maritime National Wildlife Refuge, 639.00 acres;
Section 26, Unsurveyed, All tide and submerged lands, 282.00 acres;
Section 27, Unsurveyed, All tide and submerged lands, 124.00 acres;
Section 34, Protracted, All, 640.00 acres;
Section 35, Protracted, All, 640.00 acres;
Section 36, Protracted, All, 640.00 acres;

This Tract (34) contains 4,876.00 acres, more or less.

Note: The licensee is cautioned that public lands on islands, islets, rocks, reefs, spires and designated capes and headlands in the coastal areas and adjacent seas of Alaska are included in the Alaska Maritime National Wildlife Refuge, Gulf of Alaska Unit, PL 96-487. Due to lack of survey data, the data used for acreage computations is the DNR GIS Hydrography data current as of May 21, 2014, is based on USGS topographic maps and 1978 – 1985 aerial high altitude photography, and may not depict the current line of mean high water.

Tract 35**T. 6 S., R. 24 W., Seward Meridian, Alaska.**

Section 4, Unsurveyed, All tide and submerged lands, 88.00 acres;
Section 5, Unsurveyed, All tide and submerged lands, 638.00 acres;
Section 6, Protracted, All, 611.00 acres;
Section 7, Protracted, All, 613.00 acres;

Section 8, Unsurveyed, All tide and submerged lands, 594.00 acres;
Section 17, Unsurveyed, All tide and submerged lands excluding Alaska Maritime National Wildlife Refuge, 255.00 acres;
Section 18, Unsurveyed, All tide and submerged lands, 596.00 acres;

This Tract (35) contains 3,395.00 acres, more or less.

Note: The licensee is cautioned that public lands on islands, islets, rocks, reefs, spires and designated capes and headlands in the coastal areas and adjacent seas of Alaska are included in the Alaska Maritime National Wildlife Refuge, Gulf of Alaska Unit, PL 96-487. Due to lack of survey data, the data used for acreage computations is the DNR GIS Hydrography data current as of May 21, 2014, is based on USGS topographic maps and 1978 – 1985 aerial high altitude photography, and may not depict the current line of mean high water.

Tract 36
T. 6 S., R. 24 W., Seward Meridian, Alaska.

Section 19, Unsurveyed, All tide and submerged lands excluding Alaska Maritime National Wildlife Refuge, 486.00 acres;
Section 20, Unsurveyed, All tide and submerged lands, 132.00 acres;
Section 21, Unsurveyed, All tide and submerged lands, 23.00 acres;
Section 28, Unsurveyed, All tide and submerged lands, 529.00 acres;
Section 29, Unsurveyed, All tide and submerged lands excluding Alaska Maritime National Wildlife Refuge, 639.00 acres;
Section 30, Unsurveyed, All tide and submerged lands excluding Alaska Maritime National Wildlife Refuge, 600.00 acres;
Section 31, Protracted, All, 620.00 acres;
Section 32, Protracted, All, 640.00 acres;
Section 33, Unsurveyed, All tide and submerged lands excluding Alaska Maritime National Wildlife Refuge, 620.00 acres;

This Tract (36) contains 4,289.00 acres, more or less.

Note: The licensee is cautioned that public lands on islands, islets, rocks, reefs, spires and designated capes and headlands in the coastal areas and adjacent seas of Alaska are included in the Alaska Maritime National Wildlife Refuge, Gulf of Alaska Unit, PL 96-487. Due to lack of survey data, the data used for acreage computations is the DNR GIS Hydrography data current as of May 21, 2014, is based on USGS topographic maps and 1978 – 1985 aerial high altitude photography, and may not depict the current line of mean high water.

Tract 37
T. 6 S., R. 25 W., Seward Meridian, Alaska.

Section 1, Unsurveyed, All tide and submerged lands excluding Alaska Maritime National Wildlife Refuge, 245.00 acres;
Section 12, Unsurveyed, All tide and submerged lands, 439.00 acres;
Section 13, Unsurveyed, All tide and submerged lands excluding Alaska Maritime National Wildlife Refuge, 512.00 acres;

This Tract (37) contains 1,196.00 acres, more or less.

Note: The licensee is cautioned that public lands on islands, islets, rocks, reefs, spires and designated capes and headlands in the coastal areas and adjacent seas of Alaska are included in the Alaska Maritime National Wildlife Refuge, Gulf of Alaska Unit, PL 96-487. Due to lack of survey data, the data used for acreage computations is the DNR GIS Hydrography data current as of May 21, 2014, is based on USGS topographic maps and 1978 – 1985 aerial high altitude photography, and may not depict the current line of mean high water.

Tract 38
T. 6 S., R. 25 W., Seward Meridian, Alaska.

Section 22, Unsurveyed, All tide and submerged lands excluding Alaska Maritime National Wildlife Refuge, 72.00 acres;
Section 23, Unsurveyed, All tide and submerged lands excluding Alaska Maritime National Wildlife Refuge, 272.00 acres;
Section 24, Unsurveyed, All tide and submerged lands excluding Alaska Maritime National Wildlife Refuge, 639.00 acres;
Section 25, Unsurveyed, All tide and submerged lands excluding Alaska Maritime National Wildlife Refuge, 638.00 acres;
Section 26, Protracted, All, 640.00 acres;
Section 27, Unsurveyed, All tide and submerged lands excluding Alaska Maritime National Wildlife Refuge, 628.00 acres;
Section 34, Protracted, All, 640.00 acres;
Section 35, Protracted, All, 640.00 acres;
Section 36, Protracted, All, 640.00 acres;

This Tract (38) contains 4,809.00 acres, more or less.

Note: The licensee is cautioned that public lands on islands, islets, rocks, reefs, spires and designated capes and headlands in the coastal areas and adjacent seas of Alaska are included in the Alaska Maritime National Wildlife Refuge, Gulf of Alaska Unit, PL 96-487. Due to lack of survey data, the data used for acreage computations is the DNR GIS Hydrography data current as of May 21, 2014,

is based on USGS topographic maps and 1978 – 1985 aerial high altitude photography, and may not depict the current line of mean high water.

Tract 39

T. 7 S., R. 23 W., Seward Meridian, Alaska.

Section 1, Protracted, All, within the computed Alaska Seaward Boundary, 33.11 acres;
Section 2, Protracted, All, within the computed Alaska Seaward Boundary, 390.29 acres;
Section 3, Protracted, All, within the computed Alaska Seaward Boundary, 630.40 acres;
Section 10, Protracted, All, within the computed Alaska Seaward Boundary, 87.54 acres;

This Tract (39) contains 1,141.34 acres, more or less.

Note: Alaska Seaward Boundary Diagrams based on the currently approved Submerged Lands Act Boundary have not been approved by the State of Alaska and the Bureau of Ocean Energy Management for this region of Cook Inlet. Acreage computations are based on the coordinates published by BOEM for Outer Continental Shelf Official Protraction Diagrams Iliamna NO 05-01 and Seldovia NO 05-02.

Tract 40

T. 7 S., R. 23 W., Seward Meridian, Alaska.

Section 4, Protracted, All, 640.00 acres;
Section 5, Protracted, All, 640.00 acres;
Section 6, Protracted, All, 621.00 acres;
Section 7, Protracted, All, within the computed Alaska Seaward Boundary, 561.41 acres;
Section 8, Protracted, All, within the computed Alaska Seaward Boundary, 482.56 acres;
Section 9, Protracted, All, within the computed Alaska Seaward Boundary, 361.80 acres;
Section 18, Protracted, All, within the computed Alaska Seaward Boundary, 28.99 acres;

This Tract (40) contains 3,335.76 acres, more or less.

Note: Alaska Seaward Boundary Diagrams based on the currently approved Submerged Lands Act Boundary have not been approved by the State of Alaska and the Bureau of Ocean Energy Management for this region of Cook Inlet. Acreage computations are based on the coordinates published by BOEM for Outer Continental Shelf Official Protraction Diagrams Iliamna NO 05-01 and Seldovia NO 05-02.

Tract 41

T. 7 S., R. 24 W., Seward Meridian, Alaska.

Section 1, Protracted, All, 640.00 acres;
Section 2, Protracted, All, 640.00 acres;
Section 3, Protracted, All, 640.00 acres;
Section 10, Protracted, All, 640.00 acres;
Section 11, Protracted, All, 640.00 acres;
Section 12, Protracted, All, 640.00 acres;
Section 13, Protracted, All, within the computed Alaska Seaward Boundary, 360.38 acres;
Section 14, Protracted, All, within the computed Alaska Seaward Boundary, 597.63 acres;
Section 15, Protracted, All, 640.00 acres;

This Tract (41) contains 5,438.01 acres, more or less.

Note: Alaska Seaward Boundary Diagrams based on the currently approved Submerged Lands Act Boundary have not been approved by the State of Alaska and the Bureau of Ocean Energy Management for this region of Cook Inlet. Acreage computations are based on the coordinates published by BOEM for Outer Continental Shelf Official Protraction Diagrams Iliamna NO 05-01 and Seldovia NO 05-02.

Tract 42

T. 7 S., R. 24 W., Seward Meridian, Alaska.

Section 4, Protracted, All, 640.00 acres;
Section 5, Protracted, All, 640.00 acres;
Section 6, Protracted, All, 621.00 acres;
Section 7, Protracted, All, 623.00 acres;
Section 8, Protracted, All, 640.00 acres;
Section 9, Protracted, All, 640.00 acres;
Section 16, Protracted, All, 640.00 acres;

Section 17, Protracted, All, 640.00 acres;
Section 18, Protracted, All, 624.00 acres;

This Tract (42) contains 5,708.00 acres, more or less.

Tract 43

T. 7 S., R. 24 W., Seward Meridian, Alaska.

Section 19, Protracted, All, 626.00 acres;
Section 20, Protracted, All, within the computed Alaska Seaward Boundary, 594.10 acres;
Section 21, Protracted, All, within the computed Alaska Seaward Boundary, 268.07 acres;
Section 22, Protracted, All, within the computed Alaska Seaward Boundary, 64.12 acres;
Section 23, Protracted, All, within the computed Alaska Seaward Boundary, 4.17 acres;
Section 29, Protracted, All, within the computed Alaska Seaward Boundary, 47.06 acres;
Section 30, Protracted, All, within the computed Alaska Seaward Boundary, 363.34 acres;

This Tract (43) contains 1,966.86 acres, more or less.

Note: Alaska Seaward Boundary Diagrams based on the currently approved Submerged Lands Act Boundary have not been approved by the State of Alaska and the Bureau of Ocean Energy Management for this region of Cook Inlet. Acreage computations are based on the coordinates published by BOEM for Outer Continental Shelf Official Protraction Diagrams Iliamna NO 05-01 and Seldovia NO 05-02.

Tract 44

T. 7 S., R. 25 W., Seward Meridian, Alaska.

Section 1, Protracted, All, 640.00 acres;
Section 2, Protracted, All, 640.00 acres;
Section 3, Protracted, All, 640.00 acres;
Section 10, Protracted, All, 640.00 acres;
Section 11, Protracted, All, 640.00 acres;
Section 12, Protracted, All, 640.00 acres;
Section 13, Protracted, All, 640.00 acres;
Section 14, Protracted, All, 640.00 acres;
Section 15, Protracted, All, 640.00 acres;

This Tract (44) contains 5,760.00 acres, more or less.

Tract 45

T. 7 S., R. 25 W., Seward Meridian, Alaska.

Section 4, Unsurveyed, All tide and submerged lands excluding Alaska Maritime National Wildlife Refuge, 631.00 acres;
Section 5, Unsurveyed, All tide and submerged lands excluding Alaska Maritime National Wildlife Refuge, 37.00 acres;
Section 8, Unsurveyed, All tide and submerged lands excluding Alaska Maritime National Wildlife Refuge, 133.00 acres;
Section 9, Protracted, All, 640.00 acres;
Section 16, Protracted, All, 640.00 acres;
Section 17, Unsurveyed, All tide and submerged lands, 389.00 acres;

This Tract (45) contains 2,470.00 acres, more or less.

Note: The licensee is cautioned that public lands on islands, islets, rocks, reefs, spires and designated capes and headlands in the coastal areas and adjacent seas of Alaska are included in the Alaska Maritime National Wildlife Refuge, Gulf of Alaska Unit, PL 96-487. Due to lack of survey data, the data used for acreage computations is the DNR GIS Hydrography data current as of May 21, 2014, is based on USGS topographic maps and 1978 – 1985 aerial high altitude photography, and may not depict the current line of mean high water.

Tract 46

T. 7 S., R. 25 W., Seward Meridian, Alaska.

Section 19, Unsurveyed, All tide and submerged lands, 161.00 acres;
Section 20, Unsurveyed, All tide and submerged lands, 590.00 acres;
Section 21, Protracted, All, 640.00 acres;
Section 28, Protracted, All, 640.00 acres;
Section 29, Protracted, All, 640.00 acres;
Section 30, Protracted, All, 628.00 acres;
Section 31, Protracted, All, 629.00 acres;
Section 32, Protracted, All, 640.00 acres;
Section 33, Protracted, All, 640.00 acres;

This Tract (46) contains 5,208.00 acres, more or less.

Tract 47

T. 7 S., R. 25 W., Seward Meridian, Alaska.

Section 22, Protracted, All, 640.00 acres;

Section 23, Protracted, All, 640.00 acres;

Section 24, Protracted, All, 640.00 acres;

Section 25, Protracted, All, within the computed Alaska Seaward Boundary, 630.37 acres;

Section 26, Protracted, All, 640.00 acres;

Section 27, Protracted, All, 640.00 acres;

Section 34, Protracted, All, 640.00 acres;

Section 35, Protracted, All, within the computed Alaska Seaward Boundary, 474.45 acres;

Section 36, Protracted, All, within the computed Alaska Seaward Boundary, 110.75 acres;

This Tract (47) contains 5,055.57 acres, more or less.

Note: Alaska Seaward Boundary Diagrams based on the currently approved Submerged Lands Act Boundary have not been approved by the State of Alaska and the Bureau of Ocean Energy Management for this region of Cook Inlet. Acreage computations are based on the coordinates published by BOEM for Outer Continental Shelf Official Protraction Diagrams Iliamna NO 05-01 and Seldovia NO 05-02.

Aggregating 168,581.49 acres, more or less.

Attachment 1. Alaska Department of Natural Resources, Division of Oil & Gas
Submittal of Well Data Required by DNR License

Data shall be submitted to the Division in a digital format, generally in PDF. For spreadsheets, include the original Excel document. For images such as maps or charts, include a high-resolution TIFF or JPEG. For logs, see formats specified below, but include a graphical image file of the logs as a PDF or TIFF in addition to the final merged data file of the log curves. Data may be submitted on CD, DVD or USB mass storage device (include any necessary cables). Required data shall include any and all of the following:

1. A copy of the well completion report (AOGCC Form 10-407) for each well bore.
2. Daily drilling reports or a summary report of daily drilling.
3. Latitudinal and longitudinal coordinates for each well, pilot hole, and plugged back well bore with completed surface and bottom hole locations. Coordinates can be based upon either the NAD 83 or NAD 27 geodetic datum as long as the datum used is clearly specified.
4. Directional survey for each well, pilot hole, and plugged back well bore.
5. A list of all logs run and the depth interval covered for each well, pilot hole, and plugged back well bore.
6. A list of formations and other geologic markers encountered and the measured depths (MD) and true vertical depths (TVD) of each, for each well, pilot hole, and plugged back well bore.
7. Summary of cored intervals (conventional and sidewall), including depth, formation name, lithology, presence of oil, gas, gas hydrates, and water, porosity, fractures and apparent dips; indicate "**none**" on completion report or in an attachment if no cores were taken.
8. Core reports including lab analyses of lithology, porosity, permeability (vertical and horizontal, air and liquid), density, capillary pressure, and fluid saturation, if available.
9. Conventional and sidewall core photos (plain light and ultraviolet), if applicable.
10. Identified formation names and corresponding depths for oil, gas, and gas hydrate shows. Indicate "**none**" on the completion report or in an attachment if no shows were observed.
11. Identified depth zones of abnormal pressure. Indicate "**none**" on the completion report or in an attachment if none were observed.
12. A synopsis or summary of testing and all fluid recovery efforts, including production tests (IP), drill stem tests (DST), wireline formation tests (i.e. repeat formation tests (RFT) and modular dynamics tests (MDT)), and any other production and formation testing data; the summary should include test date, time, depth, formation name, method of operation, recovered fluid type(s) and amount(s), fluid rate, gas-oil ratio (GOR), oil gravity, pressure, and choke size, when available. If no tests were undertaken, indicate "**none**" where appropriate on the completion report or in an attachment, if tests were undertaken but failed to recover fluids indicate "**no recovery**".
13. Pressure build-up and fluid PVT analyses, if applicable.
14. Open flow potential test reports and report attachments to AOGCC Forms 10-421.
15. Well test procedures, field chronologies, and field data; including details necessary for evaluation (intervals open to test; volumes of oil, gas, water, mud, and other borehole substances; API gravity; gas density; wellhead and down hole pressure; and formation and wellhead temperature).
16. Geochemical and formation fluid analyses and reports, if applicable.
17. Down hole and surface fluid sampling procedures, field chronologies, raw data, and laboratory test results for all water and hydrocarbon-bearing zones (oil, gas, gas hydrates) sampled; including details sufficient to fully evaluate quality of sample data.
18. Permit to drill (AOGCC form 10-401) and the survey as-built of the well location.
19. LAS Version 2, TAP, TIF, LIS and DLIS (if available) files of final merged open-and cased-hole log data, including specialty logs (such as Schlumberger's cyberlook, formation microscanners and dipmeter logs), measured-while-drilling (MWD) and logged-while-drilling (LWD) logs. Include a graphical image file of the 2-inch MD & TVD logs as a PDF or TIFF in addition to the log data file.
20. LAS Version 2 of final composite mudlog or lithology log curves. Include a graphical image file of the final 2-inch MD & TVD logs, with lithology display, oil, gas, and gas hydrate show indicators, mud properties, and cuttings descriptions and report as a PDF or TIFF in addition to the log data file.
21. Clear, legible files of all well data and reports including, but not limited to, paleontology, palynology, petrography (including point-count analyses), X-ray diffraction analyses, SEM micrographs, thermal maturity, vitrinite reflectance, total organic carbon, RockEval pyrolysis, geochronology, fission track analyses, fluid inclusion analyses, Mercury injection capillary pressure analyses, chemical analyses (EPMA, XRF, ICP, etc.), isotope analyses, water chemistry, burial and temperature history analyses, strain analyses, acoustic analyses, gas hydrate analyses and well pressure and temperature survey analyses.

22. Final reports of velocity, checkshot or VSP surveys (an ASCII format digital version of the above data shall also be submitted), including seismic profile data in SEG-Y format. Indicate "none" in your response to this request if no velocity, checkshot or VSP surveys were undertaken. Submission of velocity, checkshot, and VSP surveys is always required by DNR under the operator surface-use permit obligations.
23. All coalbed core, gas, and water quality reports including lab analyses of core lithology, coal rank, vitrinite reflectance, maceral composition, total organic carbon, ash, sulfur and BTU content, moisture content, cleating, adsorption/desorption data, residual gas measurements, porosity and permeability analyses, core photos, if available.
24. Any other geoscience- and engineering-related data sets from the well(s).

Please note: Physical samples of well cuttings or cores specified in 20 AAC 25.071(b)(2) and 20 AAC 25.071(b)(4) should be sent to AOGCC, not to the Division.

All material should be either hand-carried by bonded courier or mailed by registered mail to:

Resource Evaluation Section
Alaska Department of Natural Resources, Division of Oil & Gas
550 West 7th Avenue, Suite 1100
Anchorage, AK 99501-3510
Email: DOG.REdata@alaska.gov