

NINILCHIK UNIT

**APPROVAL OF THE APPLICATION FOR THE
SECOND EXPANSION OF THE NINILCHIK UNIT**

Findings and Decision of the Director
of the Division of Oil and Gas
Under a Delegation of Authority
from the Commissioner of the State Of Alaska
Department of Natural Resources

March 2, 2017

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I. INTRODUCTION AND DECISION SUMMARY

The State of Alaska, Department of Natural Resources (DNR), Division of Oil and Gas (Division), received an application to expand the Ninilchik Unit (Application), on November 2, 2016, from the Ninilchik Unit (NU) Operator, Hilcorp Alaska, LLC (Hilcorp). The existing NU contains approximately 25,869 acres. The proposed NU expansion area covers portions of three fee mineral lands leased by Hilcorp containing approximately 40 acres. Attachments 2 and 3 set out the proposed and approved Exhibits A and B to the NU agreement.

“A unit must encompass the minimum area required to include all or part of one or more oil or gas reservoirs, or all or part of one or more potential hydrocarbon accumulations.” 11 AAC 83.356(a). Previously, Hilcorp had submitted confidential geological, geophysical, and engineering data demonstrating that the area approved for expansion includes all or part of an oil or gas reservoir and potential hydrocarbon accumulations. Hilcorp’s unit expansion application provides data and explanations on how the proposed expansion “facilitates production on the immediately adjacent lands necessary for secondary or tertiary recovery, pressure maintenance, reinjection, or cycling operations.” 11 AAC 83.356(b).

The Division finds that the expansion of the NU promotes conservation of all natural resources, promotes the prevention of economic and physical waste, and provides for the protection of all parties of interest, including the State. AS 38.05.180(p); 11 AAC 83.303. I approve the Application effective retroactive to the date of submission on November 2, 2016.

II. APPLICATION AND LEASE SUMMARY

The NU is a unit on the east side of Cook Inlet comprised mostly of onshore and offshore lands of the State of Alaska. The NU also consists of onshore federal, Cook Inlet Region Inc., University of Alaska, and private patent fee lands. The NU was approved effective October 30, 2001, and it was originally operated by Marathon Oil Company (Marathon). On June 30, 2003, the Division approved the First Expansion of the Ninilchik Unit which included the BLM-managed Falls Creek Unit area. The BLM approved the termination of the Falls Creek Unit Agreement concurrently with the expansion of the NU to include the Falls Creek Unit area. The June 30, 2003 decision also formed the NU’s three participating areas (PA) – Susan Dionne, Grassim Oskolkoff, and Falls Creek. The PAs were approved based on commitments by Marathon to drill wells in each PA or a contraction of each PA area would occur. Marathon satisfied the well commitments and contraction of the PAs did not occur.

Gas production commenced at the NU on December 12, 2003. After ten years of sustained production, state regulations mandate a mandatory contraction of a unit to areas within a PA and lands that facilitate production. 11 AAC 83.356(b). Thus, the NU entered mandatory unit contraction on December 11, 2013. Since Hilcorp had just acquired 100% working interest in the NU from Marathon Alaska Production, LLC on January 30, 2013, the Division delayed contraction of the NU to allow Hilcorp time to complete their drilling program. Currently, the unit contraction is delayed until May 31, 2017; this is the fourth delay of the NU mandatory contraction date. Contraction of the unit area near the Falls Creek PA will occur once the Falls Creek PA boundary is determined.

Hilcorp drilled three wells (Falls Creek #5, Falls Creek #6, and Frances #1) in and near the Falls Creek PA since acquiring 100% working interest in the NU. Based on the results from the newly drilled wells, Hilcorp applied to expand both the NU and Falls Creek PA. The patent fee lands proposed for inclusion in the NU are all lands leased to Hilcorp by private landowner.

Hilcorp's application to expand the PA will be decided separately. The Director's approval of the NU expansion is in no way a determination of the PA expansion.

The information on the privately-held lease area proposed for the expanded unit is summarized in the table below.

Tract No.	Royalty Owner	Acres	Royalty	WIO	Description
66	Emil and Frances Bartolowits (Private)	11.3960	12.5%	Hilcorp - 100%	T. 1N., R. 12W., S.M. Sec. 7: A portion of the NW1/4NE1/4 lying west of the centerline of the Sterling Highway.
229	Penelope J Maize (Private)	24.7400	12.5%	Hilcorp - 100%	T. 1N., R. 12W., S.M. Sec. 7: A portion of the NW1/4NE1/4 lying east of the centerline of the Sterling Highway; more particularly described as Celia Subdivision, Plat No. 94-46, and all minerals underlying dedicated roads within the subdivision, excluding Tracts C-1A and C-1B of the Celia Subdivision, Addition #2, Plat No. 2012-53.
230	James C. Kruse and Linda C. Kruse (Private)	3.8540	12.5%	Hilcorp - 100%	T. 1N, R.12W, S.M. Sec. 7: Tracts C-1A and C-1B of Celia Subdivision, Addition #2, Plat No. 2012-53.

Hilcorp submitted the Application on November 2, 2016, and paid the \$500.00 unit expansion application filing fee on November 28, 2016, in accordance with 11 AAC 83.306 and 11 AAC 05.010(a)(10)(D), respectively. The Application included: the cover letter (Attachment 1); Exhibit A, the proposed legal for the expanded unit (Attachment 2); Exhibit B, map of the proposed expanded unit area, its leases, and ownership interests (Attachment 3); Ninilchik Unit Overview 2016 proposal map (Attachment 4); Exhibit C, proposed legals for Falls Creek PA expansion; and Exhibit D, proposed map of Falls Creek PA. The Application also included a confidential geologic report. The Division notified Hilcorp by email dated November 28, 2016, that the Application was complete.

The Division published a public notice in the *Alaska Dispatch News* and *Peninsula Clarion* on December 3, 2016, in accordance with 11 AAC 83.311. On December 5, 2016, the Division issued a public notice. Copies of the Application and the public notice were provided to interested parties. The Division provided public notice to, among others, the Alaska Department of Environmental Conservation, the Kenai Peninsula Borough, the City of Kenai, the Village of Tyonek, the Salamatof Native Association, Cook Inlet Region, Incorporated, the Soldotna Postmaster, and the radio station KDLL in Kenai. The notice was also published on the State of

Alaska Public Notice website and the Division's website. The public notices invited interested parties and members of the public to submit comments by January 4, 2017.

The Division received four comments during the public notice period. Three of the comments were solicited by private mineral interest owners in or near the Ninilchik Unit – Dorothy Wallner, Stephen Webb, and Donald Shaw. The fourth comment was received from Paul Craig, a landowner with overriding royalty interest in state lease ADL 384314. The comments were all written with regard to the proposed boundaries of the Falls Creek PA. A decision on the expansion of the Falls Creek will be issued subsequent to this Ninilchik Unit expansion decision. These comments will be address in the Ninilchik Unit - Falls Creek PA expansion decision.

III. DISCUSSION OF DECISION CRITERIA

The DNR Commissioner (Commissioner) reviews applications related to units under 11 AAC 83.303 – 11 AAC 83.395. By memorandum dated September 30, 1999, the Commissioner approved a revision of Department Order 003 and delegated this authority to the Division Director.

A unit area must encompass the minimum area required to include all or part of one or more oil and gas reservoirs, or all or part of one or more hydrocarbon accumulations. 11 AAC 83.356(a). When considering a unit expansion, the Division must consider the criteria in 11 AAC 83.303(a) and (b). Accordingly, the Division considered the public interest, conservation of natural resources, prevention of economic and physical waste, protection of all interested parties including the state, environmental costs and benefits, geological and engineering characteristics of reservoirs or potential hydrocarbon accumulations, prior exploration activities, plans for exploration or development, economic costs and benefits to the state, and any other relevant factors, including mitigation measures. 11 AAC 83.303(a)-(b)

A. Decision Criteria considered under 11 AAC 83.303(b)

1. Environmental Costs and Benefits

The expansion area is habitat for various mammals, waterfowl, and fish species. Area residents may use this area for subsistence hunting and fishing. Oil and gas activity in the proposed unit area may affect some wildlife habitat and some subsistence activity. The DNR develops lease stipulations through the lease sale process to mitigate the potential environmental impacts from oil and gas activity. Alaska statutes require DNR to give public notice and issue a written finding before disposal of the state's oil and gas resources. AS 38.05.035(e); AS 38.05.945; 11 AAC 82.415. In the written best interest finding, the Commissioner may impose additional conditions or limitations beyond those imposed by law. AS 38.05.035(e).

DNR also considers environmental issues during the unit Plan of Operations approval process, including compliance with mitigation measures.

Approval of the NU expansion has no direct environmental impact. This decision is an administrative action and does not authorize any on-the-ground activity. The unit expansion does not entail any environmental costs in addition to those that may occur when permits to conduct

lease-by-lease exploration or development are issued. The Unit Operator must obtain approval of a Plan of Operations from the State and permits from various agencies before drilling a well or wells or initiating development activities to produce from reservoirs within the unit area.

11 AAC 83.346. Potential effects on the environment are analyzed when permits to conduct exploration or development in the unit area are reviewed. Hilcorp is operating under approved Plans of Operations and Plan of Development.

2. Geological and Engineering Characteristics

Data provided by Hilcorp in support of the application for the second expansion of the NU included: well test data, mud logs, MWD logs, structure grids, formation interval tops, and lowest known gas contours. Hilcorp requested confidentiality protection and as such, all proprietary data and interpretations will be held confidential in accordance with AS 38.05.035(a)(8)(C).

The current NU contains approximately 25,869 acres in which the three participating areas overlie discrete portions of the Ninilchik anticline. The anticlinal fold axis is over 16 miles long and is oriented approximately parallel to the Kenai Peninsula shoreline between the community of Clam Gulch and the town of Ninilchik. The Ninilchik anticline is shallowest in the southwest and plunges deeper to the northeast and is segmented by several cross-cutting faults along the crest of the structure. These faults are believed to play an integral part in the reservoir trapping mechanisms throughout the unit. In addition, a stratigraphic trapping mechanism is also likely to be contributing to the overall resource potential in the unit. The surface expression of the anticlinal fold axis is visible in the nearby coastal cliff outcrops.

The Ninilchik anticlinal structure was first discovered in the 1950s. The first well to test the structure was Falls Creek #1, drilled by Standard Oil of California (SOCAL) in 1960-61. It is the discovery well for the Falls Creek accumulation. Although gas was discovered in four distinct sands within the upper Tyonek Formation and was briefly produced, the well was eventually plugged and abandoned due to insufficient estimated reserves to justify full field development at the time. In 1962, the Susan Dionne accumulation was discovered when Unocal drilled the Ninilchik #1 well and tested gas in two sands within the Tyonek Formation before plugging and abandoning it. Between 1964 and 1978, six exploration wells targeting oil and gas were drilled on top of, or adjacent to, the Ninilchik structure: Mobil drilled the Ninilchik #1 in 1964; SOCAL drilled Falls Creek #2 in 1966; Marathon drilled Clam Gulch 1-X in 1968; SOCAL drilled Falls Creek #43-06 in 1973; Brinkerhoff drilled Ninilchik #1 in 1973-74; and Unocal drilled Clam Gulch Unit #1 in 1978. All six wells were determined to be dry holes and later plugged and abandoned prior to any flow testing. In 1979, the Grassim Oskolkoff accumulation was discovered when Texaco drilled the Ninilchik Unit #1 well and flow-tested gas from one upper Tyonek sand before plugging and abandoning the well. Marathon drilled the Corea Creek #1 well in 1996 and drill-stem tested four intervals within the upper Tyonek, recovering minimal gas with water, before plugging and abandoning it.

Initially, it was hoped the Ninilchik anticlinal structure would contain oil. When it yielded only gas, the early wells were plugged and abandoned for several decades. It was not until the late 1990s that interest in developing the known gas reserves associated with the Ninilchik anticlinal trend led to additional drilling. Marathon drilled Paxton #1 in 2004 and began producing gas in

2005. Paxton #2 was drilled and brought on production in 2008. Hilcorp acquired Union's interest in the Ninilchik unit in January 2012 and one year later, in February 2013, Hilcorp also acquired Marathon's interest and became the 100% working interest operator of the unit. Since that time, Hilcorp has conducted drilling within the NU, completing 11 wells (plus two plug backs), and bringing nine of those wells on production. In 2013 Hilcorp drilled Frances #1, within the Falls Creek participating area, and placed the well on production in 2014. Due, in part, to the production at Frances #1, Hilcorp submitted the second Ninilchik unit expansion application in November 2016.

Information submitted by Hilcorp to the Division indicates the second expansion of the NU, in the vicinity of the Frances #1 well, is justified. The Division has determined the data and interpretations are sufficient and reasonable to support this unit expansion. The confidential geologic and engineering data provided by Hilcorp confirm and justify the size and areal extent of the expanded NU.

3. Plans of Development

The most recent drilling in the Falls Creek area occurred during the 2014 POD period when Hilcorp drilled the Falls Creek #5, Falls Creek #6, and Frances #1 wells. Hilcorp's 2016 NU Plan of Development (POD) was approved by the Division on April 21, 2016. The 2016 POD did not propose drilling activities in the northern portion of the unit where the unit expansion is proposed. Hilcorp plans to construct the Kalotsa pad near the Susan-Dionne PA and drill the GO #9 and Kalotsa #1 well during the 2016 POD period. The 2017 POD is due to the Division by March 2, 2017.

4. The Economic Costs and Benefits to the State and Other Relevant Factors

The proposed expansion of the NU is based on three new gas wells drilled by Hilcorp in the northern portion of the unit. The gas production from these wells provides economic benefits to the State in the form of royalty and tax payments. The State also benefits from maximizing the physical recovery of the gas resources in the area and further exploration of the state resources.

The Ninilchik Unit is beyond the mandatory unit contraction date. The Ninilchik Unit will be contracted to the boundaries of the PAs after issuance of PA expansion decisions for the NU. The limited area proposed for unit expansion at this time is appropriate due to the impending contraction of the unit.

B. Decision Criteria considered under 11 AAC 83.303(a)

1. Promote the Conservation of All Natural Resources

A unit may be formed under AS 38.05.180(p) "[t]o conserve the natural resources of all or a part of an oil or gas pool, field, or like area." Conservation of the natural resources of all or part of an oil or gas pool, field, or like area means "maximizing the efficient recovery of oil and gas and minimizing the adverse impacts on the surface and other resources." 11 AAC 83.395(9). The unitization of oil and gas reservoirs or accumulations and the formation and expansion of unit areas to develop hydrocarbon-bearing reservoirs or accumulations are well-accepted means of hydrocarbon conservation. Unitization, with development occurring under the terms of a unit

agreement, can promote efficient evaluation and development of the State's resources and minimize impacts to the area's cultural, biological, and environmental resources.

Expansion of an existing unit, with development occurring under the terms of a unit agreement, promotes efficient evaluation and development of the State's resources, and minimizes impacts to the area's cultural, biological, and environmental resources.

2. The Prevention of Economic and Physical Waste

Unitization, as opposed to activity on a lease-by-lease basis, may prevent economic and physical waste. Economic waste is often referred to as the drilling of wells in excess of the number necessary for the efficient recovery of the oil and gas in place. Physical waste, among other things, includes the inefficient, excessive, or improper use of, or unnecessary dissipation of, reservoir energy.

Unitization may also prevent economic and physical waste by eliminating redundant expenditures for a given level of production, or by increasing ultimate recovery with the adoption of a unified reservoir management plan. Annual approval of the NU development activities as described in the future plans of development must also provide for the prevention of economic and physical waste. The Alaska Oil and Gas Conservation Commission, in an order dated September 18, 2014, classified a new gas pool and prescribed pool rules for development of the Ninilchik Beluga/Tyonek gas pool to eliminate well spacing restrictions in the unit area and allow Beluga and Tyonek Formation gas production to occur simultaneously in a wellbore, which will prevent economic and physical waste and increase ultimate recovery.

3. The Protection of All Parties of Interest, Including the State

The people of Alaska have an interest in the development of the State's oil and gas resources to maximize the economic and physical recovery of the resources. AS 38.05.180(a). Approval of the expansion under future annually approved Plans of Development will provide for continued review and approval of Hilcorp's plans to develop the NU in a manner that will maximize economic and physical recovery. Combining interests and operating under the terms of the NU Agreement and NU Operating Agreement ensures an equitable allocation of costs and revenues commensurate with the resources.

The NU expansion protects the economic interests of the State. The expansion promotes the State's economic interests because hydrocarbon recovery will be increased and additional production-based revenue will be derived from the increased production. Diligent exploration and development under a single approved unit plan promotes the State's interest. Operating under the NU Agreement provides for accurate reporting and record keeping, State approval of Plans of Exploration and Development and operating procedures, royalty settlement, in-kind taking, and emergency storage of oil and gas, all of which will further the State's interest. The approval of the expanded NU, as described in the Application, protects all parties of interest.

IV. FINDINGS AND DECISION

A. The Conservation of All Natural Resources

1. Expansion of the NU will provide for continued development of the expansion area under the NU Agreement and will maximize the efficient recovery of oil and gas and minimize the adverse impacts on the surface and other resources, including hydrocarbons, gravel, sand, water, wetlands, and valuable habitat.
2. The unitized development and operation of the expansion leases will reduce the amount of land and fish and wildlife habitat that would otherwise be disrupted by individual lease development. This reduction in environmental impacts and preservation of subsistence access is in the public interest.
3. There is potential for environmental impacts associated with development. All unit development must proceed according to an approved Plan of Development. Additionally, before undertaking any specific operations, the Unit Operator must submit a unit Plan of Operations to the Division and other appropriate state and local agencies for review and approval. The lessees may not commence any drilling or development operations until all agencies have granted the required permits. DNR may condition its approval of a unit Plan of Operations and other permits on performance of mitigation measures in addition to those in the Agreement, if necessary or appropriate. Compliance with mitigation measures will minimize, reduce, or completely avoid adverse environmental impacts.

B. The Prevention of Economic and Physical Waste

1. Division technical staff determined that the expanded NU acreage encompasses an area which includes all or part of a gas reservoir.
2. The available geological, geophysical, and engineering data justify including the proposed lands, as described in Section III A, 2. of this decision.
3. The production of hydrocarbons through the existing production and processing facilities reduces the environmental impact of the additional production. Using existing facilities will avoid unnecessary duplication of development efforts on and beneath the surface.

C. The Protection of All Parties in Interest, Including the State

1. The unit expansion, as approved, protects all parties' interests including the people of Alaska who have an interest in the development of the State's oil and gas resources to maximize the economic and physical recovery of the resources.
2. The economic, geological, geophysical, and engineering data that Hilcorp has provided reasonably justify the inclusion of the NU expansion acreage under the terms of the applicable regulations governing formation, expansion, and operation of oil and gas units and participating areas (11 AAC 83.301 – 11 AAC 83.395) and the terms and conditions under which these lands were leased from the State.

3. The unit expansion meets the requirements of 11 AAC 83.303.
4. The Division complied with the public notice requirements of 11 AAC 83.311.
5. The unit expansion will not diminish access to public and navigable waters beyond those limitations (if any) imposed by law or already contained in the oil and gas leases covered by this decision.
6. The NU Agreement provides for additional expansions and contractions of the unit area in the future, as warranted by data obtained by exploration or otherwise. The NU Agreement thereby protects the public interest, the rights of the parties, and the correlative rights of adjacent landowners.
7. The approved expanded unit is effective November 2, 2016.
8. The privately-owned leases approved for inclusion in the expanded Ninilchik Unit are as follows:

Tract No.	Royalty Owner	Acres	Royalty	WIO	Description
66	Emil and Frances Bartolowits (Private)	11.3960	12.5%	Hilcorp - 100%	T. 1N., R. 12W., S.M. Sec. 7: A portion of the NW1/4NE1/4 lying west of the centerline of the Sterling Highway.
229	Penelope J Maize (Private)	24.7400	12.5%	Hilcorp - 100%	T. 1N., R. 12W., S.M. Sec. 7: A portion of the NW1/4NE1/4 lying east of the centerline of the Sterling Highway; more particularly described as Celia Subdivision, Plat No. 94-46, and all minerals underlying dedicated roads within the subdivision, excluding Tracts C-1A and C-1B of the Celia Subdivision, Addition #2, Plat No. 2012-53.
230	James C. Kruse and Linda C. Kruse (Private)	3.8540	12.5%	Hilcorp - 100%	T. 1N, R.12W, S.M. Sec. 7: Tracts C-1A and C-1B of Celia Subdivision, Addition #2, Plat No. 2012-53

9. Hilcorp shall submit revised NU Agreement exhibits to include revised Exhibits A and B within sixty (60) days of the issuance of this decision, on or before May 1, 2017.

For the reasons discussed in this Findings and Decision, I hereby approve the NU Second Expansion.

An eligible person affected by this decision may appeal it, in accordance with 11 AAC 02. Any appeal must be received within 20 calendar days after the date of “issuance” of this decision, as defined in 11 AAC 02.040(c) and (d), and may be mailed or delivered to Andrew T. Mack, Commissioner, Department of Natural Resources, 550 W. 7th Avenue, Suite 1400, Anchorage, Alaska 99501; faxed to 1-907-269-8918; or sent by electronic mail to dnr.appeals@alaska.gov. This decision takes effect immediately. An eligible person must first appeal this decision in accordance with 11 AAC 02 before appealing this decision to Superior Court. A copy of 11 AAC 02 may be obtained from any regional information office of the Department of Natural Resources.


Chantal Walsh
Director
Division of Oil and Gas

3/2/17
Date

V. Attachments

1. Ninilchik Unit Expansion Application
2. Proposed Exhibit A – Ninilchik Unit 2016 Proposal
3. Proposed Exhibit B – Proposed Ninilchik Unit (Map)
4. Ninilchik Unit Overview 2016 proposal map

ATTACHMENT 1:
Ninilchik Unit Expansion Application

Hilcorp Alaska, LLC

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Anchorage, AK 99524-4027

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Phone: 907-777-8414
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November 2, 2016

Jim Beckham, Acting Director
Division of Oil and Gas
Alaska Department of Natural Resources,
550 West 7th Avenue, Suite 1100
Anchorage, Alaska 99501-3557



Re: Proposal to expand Ninilchik Unit Falls Creek Participating Area

Dear Mr. Beckham,

Pursuant to 11 AAC 83.351(c),¹ Hilcorp Alaska, LLC (“Hilcorp”), as sole working interest owner and operator of the Ninilchik Unit, hereby requests the Department of Natural Resources, Division of Oil and Gas (“DNR”) to expand the Fall Creek Participating Area.

Areal expansion of the Falls Creek Participating Area is appropriate because Hilcorp has drilled and produced delineation wells outside of the existing participating area boundary. Vertical expansion is required because various participating area wells (all originally Tyonek producers) have been recompleted in the Beluga Formation. The proposed vertical expansion will also align the Falls Creek Participating Area with the applicable AOGCC-administered pool rules for the Ninilchik Unit/Field.²

Areal expansion of the Falls Creek Participating Area boundary will also require modification of the Ninilchik Unit boundary. This change involves unitization of approximately 40 acres of fee mineral property, 100% leased by Hilcorp within the NW4 NE4, Section 7, Township 1 North, Range 12 West, Seward Meridian, Alaska.

In support of this application, Hilcorp has previously submitted technical data to DNR. In addition, Hilcorp hereby submits an additional confidential geologic report. In summary, Hilcorp’s proposed Falls Creek PA modifications are based on the Lowest Known Gas (LKG) intervals of all wells associated with the current and proposed PA boundary. Only acreage that has been proven to contribute to the production of natural gas has been included in this application.

¹ 11 AAC 83.351(c) provides: A participating area must be expanded to include acreage reasonably estimated through the use of geological, geophysical, or engineering data to be capable of producing or contributing to the production of hydrocarbons in paying quantities, and must be contracted to excluded acreage reasonably proven through the use of geological, geophysical, or engineering data to be incapable of producing hydrocarbons in paying quantities, subject to approval by the commissioner. A revised division of interest formula or formula allocating production and costs must be submitted for approval under 11 AAC 83.331 at the time of expansion or contraction of a participating area.

² Conservation Order 702A, Rule 2 provides: The Ninilchik Beluga/Tyonek Gas pool comprises the gas-bearing intervals common to and correlating with the interval between the measured depths of 1,480 feet in the Paxton #5 well and 9,600 feet in the Paxton #1 well.

This is the first revision to the Falls Creek Participating Area. As such, Hilcorp anticipates that the revised participating area boundary will also involve the re-allocation of production retroactive to first Falls Creek PA production in 2003.³ Hilcorp proposes to address this requirement within 90 days following DNR's final approval of the proposed participating area expansion.

As required by Article 9 of the Ninilchik Unit Operating Agreement, and as part of this application, proposed Ninilchik Unit Exhibits A & B and proposed Falls Creek Participating Area Exhibits C & D are attached hereto.

Consistent with our currently approved Plan of Development, Hilcorp anticipates submitting similar proposals to expand/modify the Grassim Oskolkoff and Susan Dionne-Paxton Participating Areas during calendar year 2017. After this unit-wide delineation process is complete, Hilcorp and DNR can cooperatively address issues related to mandatory unit contraction.

Should any technical or administrative questions remain, please do not hesitate to contact me directly at 777-8414 or by email at dduffy@hilcorp.com.

Sincerely,



David Duffy, Landman
Hilcorp Alaska, LLC

Enclosures: Proposed Unit / PA Exhibits; Confidential Geologic Report

CC: AOGCC

³ See FINDINGS AND DECISION OF THE DIRECTOR, DIVISION OF OIL AND GAS, THE FIRST EXPANSION OF THE UNIT AREA, FORMATION OF THE FALLS CREEK, GRASSIUM OSKOLKOFF, AND SUSAN DIONNE PARTICIPATING AREAS, AND AMENDMENT TO THE UNIT AGREEMENT, dated June 30, 2003, at pp. 12-13 (*"The finally determined Falls Creek PA and the tract allocation schedule for those participating lands will be re-determined retroactive to the first day of production from the participating area. Any imbalances created by the retroactive adjustment of the Falls Creek PA tract participation schedule will be made from production of Unitized Substances from the Falls Creek PA after the effective date of the revised tract participation schedule."*).

ATTACHMENT 2:
Proposed Exhibit A – Ninilchik Unit 2016 Proposal

Exhibit A

Ninilchik Unit

2016 Proposal

Tract	Tract Legal Description	Tract Acreage	Lease #	Mineral Owner	Mineral Interest	Royalty Percent	ORRI Owner	ORRI Percent	Working Interest Ownership	Working Interest Owner %
001	T2N-R13W Section 36: S/2	3,320.0000	HAK # 1035733 ADL # 384318	State of Alaska, Department of Natural Resources	100.00%	12.500%			Hilcorp Alaska, LLC	100.00%
002	T2N-R12W Section 19: All Section 20: Unsurveyed, all tide and submerged lands Section: 21: NW/4NE/4 & N/2NE/4NE/4SE/4 & NE/4NW/4 Section 28: SE/4 Section 29: All tide and submerged lands Section 30: All Section 31: Fractional	3,518.4500	HAK # 1030487 ADL # 384314	State of Alaska, Department of Natural Resources	100.00%	12.500%	Paul Craig William Webb Cook Inlet Energy, LLC Donkel Oil and Gas LLC Hea Sun Kim Jessica Craig	2.466670% 1.3333330% 1.0000000% 0.5000000% 0.1000000% 0.1000000%	Hilcorp Alaska, LLC	100.00%
003	T1N-R12W Section 6: That part of the E/2 lying below the line of mean high tide (estimated at 30.56 acres) Section 7: Fractional	3,095.5500	HAK # 1034385 ADL # 389737	State of Alaska, Department of Natural Resources	100.00%	12.500%	Hilcorp Alaska, LLC	6.5000000%	Hilcorp Alaska, LLC	100.00%
	T1N-R13W Section 1: NW/4 and W/2NE/4 and NE/4NE/4 and W/2SW/4 and NE/4SW/4									
004	T1N-R13W Section 2: W/2 Section 3: SE/4 Section 10: N/2 & SW/4 Section 22: Tide and submerged land Section 23: All tide and submerged land Section 27: Lot 5 and all tide and submerged lands	2,157.9900	HAK # 1031010 ADL # 384305	State of Alaska, Department of Natural Resources	100.00%	12.500%			Hilcorp Alaska, LLC	100.00%
005	T1N-R13W Section 16: E/2 & SW/4	480.0000	HAK # 1035732 ADL # 384306	State of Alaska, Department of Natural Resources	100.00%	12.500%			Hilcorp Alaska, LLC	100.00%

Tract	Tract Legal Description	Tract Acreage	Lease #	Mineral Owner	Mineral Interest	Royalty Percent	ORRI Owner	ORRI Percent	Working Interest Ownership	Working Interest Owner %
006	T1N-R13W Section 20: E/2 & SW/4 Section 21: All Section 28: All Section 29: All Section 30: E/2 & SW/4 Section 31: All Section 32: All	4,625.0200	HAK # 1031008 ADL # 389180	State of Alaska, Department of Natural Resources	100.00%	12.500%			Hilcorp Alaska, LLC	100.00%
007	T1N-R14WSection 36: SE/4	160.0000	HAK # 1035904 ADL # 390085	State of Alaska, Department of Natural Resources	100.00%	12.500%			Hilcorp Alaska, LLC	100.00%
008	T1S-R14W Section 1: All Section 2: All Section 11: All Section 12: SE/4SE/4 & All tide and submerged land	3,507.8400	HAK # 1031009 ADL # 384372	State of Alaska, Department of Natural Resources	100.00%	12.500%			Hilcorp Alaska, LLC	100.00%
009	T1S-R14W Section 15:SE/4	160.0000	HAK # 1035905 ADL # 390105	State of Alaska, Department of Natural Resources	100.00%	12.500%			Hilcorp Alaska, LLC	100.00%
010	T1S-R13W Section 4: W/2SW/4 Section 5: All tide and submerged land Section 6: All tide and submerged land Section 7: All tide and submerged land	852.0000	HAK # 1030481 ADL # 359242	State of Alaska, Department of Natural Resources	100.00%	12.500%	James W. White Tucson Ltd V. Paul Ciavora James L. Thurman	3.5000000% 3.0000000% 3.0000000% 3.0000000%	Hilcorp Alaska, LLC	100.00%
011	T1S-R13W Section 7: SE/4SE/4 Section 8: E/2SE/4	120.0000	HAK # 1029933 ADL # 388226	State of Alaska, Department of Natural Resources	100.00%	12.500%	Hilcorp Alaska, LLC	3.0000000%	Hilcorp Alaska, LLC	100.00%
012	T1N-R12W Section 5: Lot 3 & E/2SE/4NW/4	59.9600	HAK # 1035902 ADL # 390363	State of Alaska, Department of Natural Resources	100.00%	12.500%			Hilcorp Alaska, LLC	100.00%
013	T1N-R12W Section 7: SE/4NW/4	40.0000	HAK # 1035902 ADL # 390363	State of Alaska, Department of Natural Resources	100.00%	12.500%			Hilcorp Alaska, LLC	100.00%

Tract	Tract Legal Description	Tract Acreage	Lease #	Mineral Owner	Mineral Interest	Royalty Percent	ORRI Owner	ORRI Percent	Working Interest Ownership	Working Interest Owner %
014	T1N-R13W Section 14: That part of Lot 1 lying within the southeast corner of the SE/4NE/4 (est. 2.5 acres)	2.5000	HAK # 1034934 AKA # A-024399	Bureau of Land Management	100.00%	12.500%	Hilcorp Alaska, LLC Am L. Edwards Charles Delaney Ealand II Dorothy Anne Dedrick Alina L. Mendez Dustin D. Ealand Mary Lynne Moellering Kevin MacIntosh	3.250000% 0.350000% 0.350000% 0.100000% 0.050000% 0.050000% 0.050000% 0.050000%	Hilcorp Alaska, LLC	100.00%
015	T1N-R13W Section 12: That part of Lot 1 lying within the S/2NE/4 and Lots 2 and 3	91.2100	HAK # 1034934 AKA # A-024399	Bureau of Land Management	100.00%	12.500%	Hilcorp Alaska, LLC Am L. Edwards Charles Delaney Ealand II Dorothy Anne Dedrick Alina L. Mendez Dustin D. Ealand Mary Lynne Moellering Kevin MacIntosh	3.250000% 0.350000% 0.350000% 0.100000% 0.050000% 0.050000% 0.050000% 0.050000%	Hilcorp Alaska, LLC	100.00%
015A	T1N-13W Section 12: That part of Lot 1 lying in the NE/4NE/4 a/d/a Lot 1, except that part lying in the S/2NE/4	10.2300	HAK # 1034934 AKA # A-024399	Bureau of Land Management	100.00%	12.500%	Hilcorp Alaska, LLC Am L. Edwards Charles Delaney Ealand II Dorothy Anne Dedrick Alina L. Mendez Dustin D. Ealand Mary Lynne Moellering Kevin MacIntosh	3.250000% 0.350000% 0.350000% 0.100000% 0.050000% 0.050000% 0.050000% 0.050000%	Hilcorp Alaska, LLC	100.00%

Tract	Tract Legal Description	Tract Acreage	Lease #	Mineral Owner	Mineral Interest	Royalty Percent	ORRI Owner	ORRI Percent	Working Interest Ownership	Working Interest Owner %
016	T1N-R13W Section 23: Lot 5 (4.96 acres) and that part of Lot 1 lying in the W/2 (estimated at 4.0 acres)	8.9600	HAK # 1034934 AKA # A-024399	Bureau of Land Management	100.00%	12.500%	Hilcorp Alaska, LLC Ann L. Edwards Charles Delaney Ealand II	3.250000% 0.350000% 0.350000%	Hilcorp Alaska, LLC	100.00%
017	T1N-R13W Section 34: NW/4SW/4 & S/2NW/4	120.0000	unleased	Bureau of Land Management	100.00%		Dorothy Anne Dedrick Alina L. Mendez Dustin D. Ealand Mary Lynne Moellering Kevin MacIntosh	0.100000% 0.050000% 0.050000% 0.050000% 0.050000%		
018	T2N-R12W Section 21: NE/4NE/4 Section 28: SW/4 Section 29: SE/4SE/4 Section 32: S/2NE/4 & NE/4NE/4 & SE/4SW/4	400.0000	HAK # 1033481 UA # Ninitehik Tract #2	University of Alaska	100.00%	12.500%			Hilcorp Alaska, LLC	100.00%
019	T1N-R12W Section 6: SE/4NE/4	40.0000	HAK # 1033481 UA # Ninitehik Tract #2	University of Alaska	100.00%	12.500%			Hilcorp Alaska, LLC	100.00%
020	T1N-R13W Section 33: Lot 1 Section 34: E/2SW/4 and SW/4SW/4	150.4400	HAK # 1031002 UA # Tract # 2-04	University of Alaska	100.00%	12.500%			Hilcorp Alaska, LLC	100.00%
021	T1S-R13W Section 7: Lot 4	30.9100	HAK # 1033481 UA # Ninitehik Tract #2	University of Alaska	100.00%	12.500%			Hilcorp Alaska, LLC	100.00%
022	T1S-R13W Section 8: NE/4NE/4	40.0000	HAK # 1031004 UA # Tract #2-05	University of Alaska	100.00%	12.500%			Hilcorp Alaska, LLC	100.00%
023	T2N-R12W Section 21: That part of the S/2NE/4NE/4SE/4 & S/2NE/4SE/4 & SE/4SE/4 lying southeasterly of and excluding the Sterling Highway	55.0000	HAK # 1033508 CIRI # C-061596	Cook Inlet Region, Inc.	100.00%	20.000%			Hilcorp Alaska, LLC	100.00%

Tract	Tract Legal Description	Tract Acreage	Lease #	Mineral Owner	Mineral Interest	Royalty Percent	ORRI Owner	ORRI Percent	Working Interest Ownership	Working Interest Owner %
023A	T2N-R12W Section 21: S/2NE/4 & SE/4NW/4 & NE/4SW/4 & NW/4SE/4 & W/2E/2SE/4 & SE/4NE/4SE/4 & S/2NE/4NE/4SE/4 lying northwesterly of and including the Sterling Highway	220.0000	unleased	Cook Inlet Region, Inc.	100.00%					
024	T2N-R12W Section 29: Lot 4	32.6100	HAK # 1031005 CIRI # C-061505	Cook Inlet Region, Inc.	100.00%	20.000%			Hilcorp Alaska, LLC	100.00%
025	T2N-R12W Section 33: W/2SW/4 & SW/4NW/4 & N/2SE/4 & SE/4SE/4	240.0000	HAK # 1031006 CIRI # C-061510	Cook Inlet Region, Inc.	100.00%	16.667%			Hilcorp Alaska, LLC	100.00%
026	T1N-R12W Section 5: SW/4NW/4 and W/2SE/4NW/4	60.0000	HAK # 1033507 CIRI # C-060385	Cook Inlet Region, Inc.	100.00%	20.000%			Hilcorp Alaska, LLC	100.00%
027	T1N-R13W Section 22: Lot 1	1.8800	HAK # 1031005 CIRI # C-061505	Cook Inlet Region, Inc.	100.00%	20.000%			Hilcorp Alaska, LLC	100.00%
028	T1N-R13W Section 27: Lots 8, 9, 11, 12, 13, 14, 15, 16, 17, and 18	50.2300	HAK # 1031005 CIRI # C-061505	Cook Inlet Region, Inc.	100.00%	20.000%			Hilcorp Alaska, LLC	100.00%
029	T1N-R13W Section 33: Government Lot 5	1.9000	HAK # 1031005 CIRI # C-061505	Cook Inlet Region, Inc.	100.00%	20.000%			Hilcorp Alaska, LLC	100.00%
030	T1S-R13W Section 4: SW/4NW/4 Section 5: S/2SE/4 Section 7: Gov Lots 1, 2, 3, and SW/4NE/4 Section 8: SE/4NW/4 & NW/4NE/4 & S/2NE/4 & NE/4SW/4 & S/2SW/4 & W/2SE/4 T1S-R14W Section 12: Gov Lot 1	694.7800	HAK # 1031005 CIRI # C-061505	Cook Inlet Region, Inc.	100.00%	20.000%			Hilcorp Alaska, LLC	100.00%
031	T1S-R13W Section 9: NW/4NW/4 Section 18: Lots 1, 2, 3, NW/4SE/4NW/4 and N/2NW/4NE/4	163.2500	HAK # 1033507 CIRI # C-060385	Cook Inlet Region, Inc.	100.00%	20.000%			Hilcorp Alaska, LLC	100.00%
032	T2N-R12W Section 21: NW/4SW/4 & S/2SW/4	120.0000	HAK # 828033	James B Borden and Tammy L. Borden	100.00%	12.500%			Hilcorp Alaska, LLC	100.00%

Tract	Tract Legal Description	Tract Acreage	Lease #	Mineral Owner	Mineral Interest	Royalty Percent	ORRI Owner	ORRI Percent	Working Interest Ownership	Working Interest Owner %
033A	T2N-R12W Section 21: Lots 1 & 2, Block 1 Clam Gulch Acres Subdivision, plat #86-81	2.0000	HAK # 318	Jeff L. Wells & Hilda G. Wells & Lafton Wells	20.00%	12.500%			Hilcorp Alaska, LLC	100.00%
			HAK # 1033533	Jeff L. Wells & Hilda G. Wells & Lafton Wells	20.00%	12.500%				
			HAK # 1033547	Jeff L. Wells & Hilda G. Wells & Lafton Wells	20.00%	12.500%				
			HAK # 1033548	Jeff L. Wells & Hilda G. Wells & Lafton Wells	20.00%	12.500%				
			unleased	Jeff L. Wells & Hilda G. Wells & Lafton Wells *	20.00%					
033A-1	T2N-R12W Section 21: Lots 3-5, Block 1 & Lots 2,3,5,7 & 8 of Block 2 and all the dedicated streets of Clam Gulch Acres Subdivision, plat #86-81 and the unsubdivided remainder of the SW/4SE/4 lying Southeast of the Sterling Highway	14.2600	HAK # 318	Rebekah A. Chapek	20.00%	12.500%			Hilcorp Alaska, LLC	100.00%
			HAK # 1033533	Estate of Lillian Nuzzolese	20.00%	12.500%				
			HAK # 1033547	Stephen Wayne Gordon	20.00%	12.500%				
			HAK # 1033548	Hilda C. Unfried	20.00%	12.500%				
			unleased	Marshall K. Coryell	20.00%					
033B	T2N-R12W Section 21: Lots 6 & 7, Block 1 & Lots 11 & 12, Block 2 of Clam Gulch Acres Subdivision, plat #86-81	5.8900	HAK # 828033	James B Borden and Tammy L. Borden	100.00%	12.500%			Hilcorp Alaska, LLC	100.00%
033C	T2N-R12W Section 21: Lots 6, 9, 10, Block 2 of Clam Gulch Acres Subdivision, plat #86-81	3.6900	unleased	Kelly Guy Baker	100.00%					
033D	T2N-R12W Section 21: The minerals underlying the right of way of the Sterling Highway as it crosses the SW/4SE/4 (est. 7.84 acres)	7.8400	unleased	Nell Kelly	100.00%					
033E	T2N-R12W Section 21: Lot 1, Block 2 of Clam Gulch Acres Subdivision, plat #86-81	1.0000	unleased	Delphine L. Chasing-Hawk	100.00%					
033F	T2N-R12W Section 21: Lot 4, Block 2 of Clam Gulch Acres Subdivision, plat #86-81	1.1000	unleased	Robert E. Link & Deborah A. Link (H&W)	100.00%					

Tract	Tract Legal Description	Tract Acreage	Lease #	Mineral Owner	Mineral Interest	Royalty Percent	ORRI Owner	ORRI Percent	Working Interest Ownership	Working Interest Owner %
034	T2N-R12W Section 28: N/2NW/4 & SW/4NW/4 (less the 2 acre Harold A. Pederson Tract in the SE/c of SW/4NW/4) Section 29: SE/4NE/4 (excluded tract is Tract #36 of this exhibit)	158.0000	HAK # 1031630 HAK # 1031631	JWYW, LLC, a Hawaii LLC Stephen Rex and Marilyn Lange	83.33% 16.67%	12.500% 12.500%			Hilcorp Alaska, LLC	100.00%
035	T2N-R12W Section 28: Tracts A & B of plat #79-4 and Lots B-1 & B-2 of Plat #81-118 a/d/a SE/4NW/4	40.0000	HAK # 828050	Leonard A and Evelyn D Keener	100.00%	12.500%			Hilcorp Alaska, LLC	100.00%
036	T2N-R12W Section 28: A tract beginning at the SE/c of the SW/4NW/4; TH. North 500'; TH. West 175'; TH. South 500'; TH. East 175' to POB.	2.0000	unleased	Harold A. and Marguerite M. Pederson	100.00%				Hilcorp Alaska, LLC	100.00%
037	T2N-R12W Section 28: NE/4	160.0000	HAK # 828034	Rodney W. Andrews and Victoria H. Andrews	100.00%	12.500%			Hilcorp Alaska, LLC	100.00%
038	T2N-R12W Section 29: Lots 2 & 3 & N/2SE/4 less a tract in the Northeastern corner of the N/2SE/4 owned by Vernon Andrews and Leonard Keener (excluded tract is Tract #39 of this exhibit)	147.4500	HAK # 1031616 HAK # 1031617 HAK # 1031618 unleased unleased unleased	Mary Hawkins (deceased) Richard M. Hawkins Charles F. Hawkins Ian Hawkins, deceased James Hawkins Marguerite Hawkins	75.00% 5.00% 5.00% 5.00% 5.00% 5.00%	12.500% 12.500% 12.500%			Hilcorp Alaska, LLC	100.00%
039	T2N-R12W Section 29: A tract in the Northeastern Corner of the N/2SE/4 lying North of the Sterling Highway	3.6731	HAK # 828052 HAK # 828053	Leonard A and Evelyn D Keener Rodney W. Andrews and Victoria H. Andrews	50.00% 50.00%	12.500% 12.500%			Hilcorp Alaska, LLC	100.00%
040	T2N-R12W Section 29: Block 7 of Clam Gulch Park, Plat #75-69	3.9100	HAK # 1031623 unleased unleased	Per Eric & Frances L. Osmar Theodore L. & Ann C. Morris Thomas W. Patmor	50.00% 25.00% 25.00%	12.500%			Hilcorp Alaska, LLC	100.00%
041	T2N-R12W Section 32: Tracts 1-6 of Tract E and the unsubdivided remainder of Tract E of T.L. Morris Subdivision of Tract E of Clam Gulch Subdivision, Plat #81-06	31.1100	HAK # 1031623 HAK # 1033546	Per Eric & Frances L. Osmar Timothy G. and Kristine Moerlein	50.00% 50.00%	12.500% 12.500%			Hilcorp Alaska, LLC	100.00%

Tract	Tract Legal Description	Tract Acres	Lease #	Mineral Owner	Mineral Interest	Royalty Percent	ORRI Owner	ORRI Percent	Working Interest Ownership	Working Interest Owner %
042	T2N-R12W Section 32: The SE/4NW/4 lying Southeast of Sterling Highway, excluding the Clam Gulch Subdivision, Morris 1979 Addition Plat #79-192	22.0000	HAK # 1031623	Per Eric & Frances L. Osmar	100.00%	12.500%			Hilcorp Alaska, LLC	100.00%
042A	T2N-R12W Section 32: Tract G of Clam Gulch Subdivision Osmar 1981 Addition, Plat #81- 51	2.7940	unleased	Ronald E. Russell	100.00%					
043	T2N-R12W Section 32: Lot 2, Clam Gulch Subdivision, Plat #90-18	2.1800	unleased	Shirley Ann Grow & Richard James Edelman	100.00%					
044A-1	T2N-R12W Section 32: Lots 10 & 11, Thomack Subdivision, Plat #K-1575, in so far as they lie within Tract "A" of former Plat K-509 (est. 1 acre)	1.0000	HAK # 1033561 unleased	William Donald & Kerry L. Reeder (h/w) Donald M. and Susan R. Coates	50.00% 50.00%	12.500%			Hilcorp Alaska, LLC	100.00%
044A-2	T2N-R12W Section 32: Lots 10 & 11, Thomack Subdivision, Plat #K-1575, in so far as they lie outside Tract "A" of former Plat K-509 (est. 0.5 acre)	0.5000	HAK # 1031623 unleased	Per Eric & Frances L. Osmar Donald M. and Susan R. Coates	50.00% 50.00%	12.500%			Hilcorp Alaska, LLC	100.00%
044AA	T2N-R12W Section 32: Lot 13A, Clam Gulch Subdivision, plat #90-28	0.8000	unleased	Deborah Lee Murphy	100.00%					
044AB	T2N-R12W Section 32: Lot 6, Clam Gulch Subdivision, Conley 1977 Addition, plat #78-43	0.4600	HAK # 1033534	Lawrence & Caroline Rebischke	100.00%	12.500%			Hilcorp Alaska, LLC	100.00%
044AC	T2N-R12W Section 32: Lots 7 & 8, Clam Gulch Subdivision, Conley 1977 Addition, plat #78- 43	0.9600	HAK # 1033553	Karen Lorraine Landwehr	100.00%	12.500%			Hilcorp Alaska, LLC	100.00%
044AD	T2N-R12W Section 32: Tract B, Clam Gulch Subdivision, plat #K509	0.6700	HAK # 1033534	Lawrence & Caroline Rebischke	100.00%	12.500%			Hilcorp Alaska, LLC	100.00%

Tract	Tract Legal Description	Tract Acreage	Lease #	Mineral Owner	Mineral Interest	Royalty Percent	ORRI Owner	ORRI Percent	Working Interest Ownership	Working Interest Owner %
044AE	T2N-R12W Section 32: Lots 1A & 10A, Clam Gulch Subdivision No. 2, Plat #95-58 & minerals under the roadbeds of Thomack Street and North Laurel Avenue	4.0200	HAK # 1031623 unleased	Per Eric & Frances L. Osmar Arlyn H. & June C. Thomack	50.00% 50.00%	12.500% 			Hilcorp Alaska, LLC	100.00%
044AF	T2N-R12W Section 32: Lots 8 & 9, Thomack Subdivision, Plat #K-1575	0.7600	HAK # 1033561 unleased	William Donald & Kerry L. Reeder (h/w) Arlyn H. & June C. Thomack	50.00% 50.00%	12.500% 			Hilcorp Alaska, LLC	100.00%
044AG	T2N-R12W Section 32: Lot 7, Thomack Subdivision, Plat #K-1575	0.5900	HAK # 1033561 unleased	William Donald & Kerry L. Reeder (h/w) Sharon Nahorney	50.00% 50.00%	12.500% 			Hilcorp Alaska, LLC	100.00%
044AH-1	T2N-R12W Section 32: Lot 4, Thomack Subdivision, Plat #K-1575 in so far as it lies within Tract "A" of former plat #K-509 (est. 0.1186 acre)	0.1186	HAK # 305 HAK # 1033561	S.F. & Francis B. Rebischke William Donald & Kerry L. Reeder (h/w)	50.00% 50.00%	12.500% 12.500%			Hilcorp Alaska, LLC	100.00%
044AH-2	T2N-R12W Section 32: Lot 4, Thomack Subdivision, Plat #K-1575 in so far as it lies outside Tract "A" of former plat #K-509 (est. 0.2372 acre)	0.2372	HAK # 305 HAK # 1031623	S.F. & Francis B. Rebischke Per Eric & Frances L. Osmar	50.00% 50.00%	12.500% 12.500%			Hilcorp Alaska, LLC	100.00%
044AH-3	T2N-R12W Section 32: Lots 5 & 6, Thomack Subdivision, Plat #K-1575 in so far as it lies within Tract "A" of former plat #K-509 (est. 0.137 acre)	0.1370	HAK # 1033561 unleased	William Donald & Kerry L. Reeder (h/w) Arlyn H. & June C. Thomack	50.00% 50.00%	12.500% 			Hilcorp Alaska, LLC	100.00%
044AH-4	T2N-R12W Section 32: Lots 5 & 6, Thomack Subdivision, Plat #K-1575 in so far as it lies outside Tract "A" of former plat #K-509 (est. 0.2372 acre)	0.2372	HAK # 1031623 unleased	Per Eric & Frances L. Osmar Arlyn H. & June C. Thomack	50.00% 50.00%	12.500% 			Hilcorp Alaska, LLC	100.00%
044AI	T2N-R12W Section 32: Lot C-10 of Thomack Subd., Plat #1502	3.0300	HAK # 1031623 unleased	Per Eric & Frances L. Osmar Arlyn H. & June C. Thomack	50.00% 50.00%	12.500% 			Hilcorp Alaska, LLC	100.00%
044AJ	T2N-R12W Section 32: Lot 3, Thomack Subdivision, Plat #K-1575	0.2800	HAK # 1033545 unleased	Robert C. Johnson and Trustee for Arlyn H. & June C. Thomack	50.00% 50.00%	12.500% 			Hilcorp Alaska, LLC	100.00%

Tract	Tract Legal Description	Tract Acres	Tract Lease #	Mineral Owner	Mineral Interest	Royalty Percent	ORRI Owner	ORRI Percent	Working Interest Ownership	Working Interest Owner %
044AK	T2N-R12W Section 32: Lot 2, Thomack Subdivision, Plat #K-1575	0.5000	HAK # 1031623 HAK # 1033551	Per Eric & Frances L. Osmar 9J Corporation	50.00% 50.00%	12.500% 12.500%			Hilcorp Alaska, LLC	100.00%
044AL	T2N-R12W Section 32: Block 6, Clam Gulch Park Subdivision, plat #75-69	1.0000	HAK # 1031623 unleased unleased	Per Eric & Frances L. Osmar Ed Krueger Shelia Darling (aka Karil Kruger)	50.00% 25.00% 25.00%	12.500% 			Hilcorp Alaska, LLC	100.00%
044B-1	T2N-R12W Section 32: Lot 12, Thomack Subdivision, Plat #K-1575, in so far as it lies within Tract "A" of former plat #K-509 (est. 1.0 acre)	1.0000	HAK # 591215 HAK # 1033561	Walter L. Wilson William Donald & Kerry L. Reeder (h/w)	50.00% 50.00%	12.500% 12.500%			Hilcorp Alaska, LLC	100.00%
044B-2	T2N-R12W Section 32: Lot 12, Thomack Subdivision, Plat #K-1575, in so far as it lies outside Tract "A" of former plat #K-509 (est. 0.43 acre)	0.4300	HAK # 591215 HAK # 1031623	Walter L. Wilson Per Eric & Frances L. Osmar	50.00% 50.00%	12.500% 12.500%			Hilcorp Alaska, LLC	100.00%
044C-1	T2N-R12W Section 32: Lot 13, Thomack Subdivision, Plat #K-1575 in so far as it lies within Tract "A" of former plat #K-509 (est. 0.715 acre)	0.7150	HAK # 1033561 unleased	William Donald & Kerry L. Reeder (h/w) John T. Givens	50.00% 50.00%	12.500% 			Hilcorp Alaska, LLC	100.00%
044C-2	T2N-R12W Section 32: Lot 13, Thomack Subdivision, Plat #K-1575 in so far as it lies outside Tract "A" of former plat #K-509 (est. 0.715 acre)	0.7150	HAK # 1031623 unleased	Per Eric & Frances L. Osmar John T. Givens	50.00% 50.00%	12.500% 			Hilcorp Alaska, LLC	100.00%
044D-1	T2N-R12W Section 32: Lot 14, Thomack Subdivision, Plat #K-1575 in so far as it lies within Tract "A" of former plat #K-509 (est. 0.1 acre)	0.1000	HAK # 1033545 HAK # 1033561	Robert C. Johnson and Trustee for William Donald & Kerry L. Reeder (h/w)	50.00% 50.00%	12.500% 12.500%			Hilcorp Alaska, LLC	100.00%
044D-2	T2N-R12W Section 32: Lot 14, Thomack Subdivision, Plat #K-1575 in so far as it lies outside Tract "A" of former plat #K-509 (est. 1.33 acre)	1.3300	HAK # 1031623 HAK # 1033545	Per Eric & Frances L. Osmar Robert C. Johnson and Trustee for	50.00% 50.00%	12.500% 12.500%			Hilcorp Alaska, LLC	100.00%
044E	T2N-R12W Section 32: Lot 15, Thomack Subdivision, Plat #K-1575	1.4200	HAK # 1031623 unleased	Per Eric & Frances L. Osmar Arlyn H. & June C. Thomack	50.00% 50.00%	12.500% 			Hilcorp Alaska, LLC	100.00%

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044F	T2N-R12W Section 32: Lot 16, Thomack Subdivision, Plat #K-1575	1.4200	HAK # 1031623 HAK # 1033550	Per Eric & Frances L. Osmar Rose Moorefield	50.00% 50.00%	12.500% 12.500%			Hilcorp Alaska, LLC	100.00%
044G	T2N-R12W Section 32: Lot C-1, Thomack Subdivision, Plat #K-1575 & Lot 1, Clam Gulch Subdivision, Conley 1977 Addition & also Lot 1 of Plat #78-43	2.5300	HAK # 1031623 unleased	Per Eric & Frances L. Osmar Dolores C. Sage	50.00% 50.00%	12.500% 			Hilcorp Alaska, LLC	100.00%
044H	T2N-R12W Section 32: Lot 2 of Clam Gulch Subdivision, Conley 1977 Addition, plat #78-43	1.3200	unleased	Jennifer Abbott	100.00%					
044I	T2N-R12W Section 32: Lot 3 of Clam Gulch Subdivision, Conley 1977 Addition, plat #78-43	1.2600	HAK # 1033535	Timothy M. Lynch	100.00%	12.500%			Hilcorp Alaska, LLC	100.00%
044J	T2N-R12W Section 32: Lot 4 of Clam Gulch Subdivision, Conley 1977 Addition, plat #78-43	1.2300	unleased	Peter J. & Carolyn J. Crosby	100.00%					
044K	T2N-R12W Section 32: Lot 5 of Clam Gulch Subdivision, Conley 1977 Addition, plat #78-43	1.2900	unleased	Brian J. Farney	100.00%					

Tract	Tract Legal Description	Tract Acreage	Lease #	Mineral Owner	Mineral Interest	Royalty Percent	ORRI Owner	ORRI Percent	Working Interest Ownership	Working Interest Owner %
044L	T2N-R12W Section 32: A 5.23 acres tract described by metes and bounds and lying within Clam Gulch Subdivision. That certain real property situated in the Third Judicial District, Kenai Recording District, State of Alaska, within T2N, R12W, S.M., Alaska. Said property which is within the Clam Gulch Subdivision is more particularly described as beginning at the one quarter corner of Sections 29 & 32; THENCE South 379.1 feet to the West right of way of the Sterling Highway as shown on the plat of said Clam Gulch Subdivision; THENCE South 44°13' West along right of way, 1011.5 feet to the beginning of a curve, the center of which bears South 45°47' East 1946.3 feet; THENCE following the arc of said curve Southwesterly a distance of 200.4 feet to Corner 1, the true point of beginning of said real property; THENCE continuing Southwesterly, along the arc of said curve, a distance of 385.4 feet to Corner 2; THENCE North 65°13' West approximately 305 feet to the west one-sixteenth line of Section 32 to Corner 3; THENCE North 0°07' West approximately 130 feet to the Northwest one-sixteenth corner of Section 32 to Corner 4; THENCE West along the North one-sixteenth line of Section 32 approximately 438 feet to the line of Mean High Water of Cook Inlet to Corner 5; THENCE North 20°00' East along Mean High Water 225.8 feet to Corner 6; THENCE East 695.0 feet to Corner 7; THENCE South 45°47' East 209.3 feet to Corner 1, the point of beginning. The parcel contains 5.23 acres, more or less.	5.2300	HAK # 317 HAK # 591305	Leonard & Juanita Sabrowski Revocable Living Trust James R. Sabrowski and Susanne E. Sabrowski	50.00% 50.00%	12.500% 12.500%			Hilcorp Alaska, LLC	100.00%
044M	T2N-R12W Section 32: Tract F of Clam Gulch Subdivision, Morris 1979 Addition, plat #79-192	0.3800	HAK # 1033556 unleased	David Keith Crosby Theodore L. & Ann C. Morris	50.00% 50.00%	12.500%			Hilcorp Alaska, LLC	100.00%
044N	T2N-R12W Section 32: Lots 1-3 & 1-4 of Clam Gulch Subdivision, Morris 1979 Addition, Plat #79-192	0.9200	HAK # 1033556 unleased	David Keith Crosby Edna Fuller	50.00% 50.00%	12.500%			Hilcorp Alaska, LLC	100.00%

Tract	Tract Legal Description	Tract Acreage	Lease #	Mineral Owner	Mineral Interest	Royalty Percent	ORRI Owner	ORRI Percent	Working Interest Ownership	Working Interest Owner %
044O	T2N-R12W Section 32: Minerals underlying the roadbed of the Sterling Highway as it passes through Clam Gulch Subdivision & underlying dedicated streets in Clam Gulch Subdivision (est. 25.562 acres)	25.5260	HAK # 1031623	Per Eric & Frances L. Osmar	100.000%	12.500%			Hilcorp Alaska, LLC	100.00%
044P	T2N-R12W Section 32: Lot 1-B-2 of Clam Gulch Subdivision Morris 1979 Addition, plat #79- 192	0.5500	HAK # 1033556 unleased	David Keith Crosby Earl Carmichael	50.00% 50.00%	12.500%			Hilcorp Alaska, LLC	100.00%
044Q	T2N-R12W Section 32: Lot 1-B-1 of Clam Gulch Subdivision, Morris 1979 Addition, Plat #79- 192	0.5200	HAK # 311 HAK # 1033556 unleased	Karl and Martina Lauterbach David Keith Crosby Theodore L. & Ann C. Morris	25.00% 50.00% 25.00%	12.500% 12.500%			Hilcorp Alaska, LLC	100.00%
044R	T2N-R12W Section 32: Triangular portion of Lot 3, Clam Gulch Subdivision, Plat #90-28	0.4000	unleased	Terry A. & Theresa A. Ellis	100.00%					
044S	T2N-R12W Section 32: A 150' x 200' Tract in the N/2 of Lot 3 of Clam Gulch Subdivision, plat #90-28	0.6800	unleased	Barbara A. Minich	100.00%					
044T	T2N-R12W Section 32: The southeast 138.9' of Lot 3 of Clam Gulch Subdivision, plat #90-28	0.2500	unleased	Ronald E. & Audrey L. Russell	100.00%					
044U	T2N-R12W Section 32: Lot 4 & Lot 15, Clam Gulch subdivision, plat #90-28	1.0000	HAK # 315	Lue Rae Erickson	100.00%	12.500%			Hilcorp Alaska, LLC	100.00%
044V	T2N-R12W Section 32: Lot 5, Clam Gulch Subdivision, plat #90-28	0.4000	unleased	Susan R. Cange	100.00%					
044W	T2N-R12W Section 32: Lots 6 & 7, Clam Gulch Subdivision, plat #90-28	0.8000	unleased	Ronald E. & Audrey L. Russell	100.00%					
044X	T2N-R12W Section 32: Lots 8 & 9, Clam Gulch Subdivision, plat #90-28	0.8000	unleased	John J. & Emily J. Minnick	100.00%					

Tract	Tract Legal Description	Tract Acreage	Lease #	Mineral Owner	Mineral Interest	Royalty Percent	ORRI Owner	ORRI Percent	Working Interest Ownership	Working Interest Owner %
044Y	T2N-R12W Section 32: Lots 10 & 11, Clam Gulch Subdivision, plat #90-28	0.8000	HAK # 1033537	Richard D. Barrickman	100.00%	12.500%			Hilcorp Alaska, LLC	100.00%
044Z	T2N-R12W Section 32: Lot 12, Clam Gulch Subdivision, plat #90-28	0.4000	HAK # 1033546	Timothy G. and Kristine Moerlein	100.00%	12.500%			Hilcorp Alaska, LLC	100.00%
045A	T2N-R12W Section 29: Lot 10, Block 5, Clam Gulch Park Subdivision	0.6300	HAK # 1031623 unleased unleased	Per Eric & Frances L. Osmar Theodore L. & Ann C. Morris Michael F. Harrigan	50.00% 37.50% 12.50%	12.500%			Hilcorp Alaska, LLC	100.00%
045AA	T2N-R12W Section 29: Lot 2, Block 3, Clam Gulch Park Subdivision, plat #75-69	0.5100	HAK # 1031623 unleased unleased	Per Eric & Frances L. Osmar Theodore L. & Ann C. Morris Scott Runfield	50.00% 37.50% 12.50%	12.500%			Hilcorp Alaska, LLC	100.00%
045AB	T2N-R12W Section 29: Lot 3 & 4, Block 3, Clam Gulch Park Subdivision, plat #75-69	0.9400	HAK # 1031623 unleased unleased	Per Eric & Frances L. Osmar Theodore L. & Ann C. Morris Sally A. Lawrence	50.00% 37.50% 12.50%	12.500%			Hilcorp Alaska, LLC	100.00%
045AC	T2N-R12W Section 29: Lot 19, Block 5, Clam Gulch Park Subdivision, plat #75-69	0.5100	HAK # 1031623 unleased unleased	Per Eric & Frances L. Osmar Theodore L. & Ann C. Morris Debbie A. Hall	50.00% 37.50% 12.50%	12.500%			Hilcorp Alaska, LLC	100.00%
045AD	T2N-R12W Section 29: Lot 18, Block 5, Clam Gulch Park Subdivision, plat #75-69	0.4600	HAK # 1031623 unleased unleased	Per Eric & Frances L. Osmar Theodore L. & Ann C. Morris Donald R. and Debra A. Norvell	50.00% 37.50% 12.50%	12.500%			Hilcorp Alaska, LLC	100.00%
045AE	T2N-R12W Section 29: Lot 16 & 17, Block 5, Clam Gulch Park Subdivision, plat #75-69	0.8800	HAK # 312 HAK # 1031623 unleased	LEFFEL FAMILY TRUST Per Eric & Frances L. Osmar Theodore L. & Ann C. Morris	12.50% 50.00% 37.50%	12.500% 12.500%			Hilcorp Alaska, LLC	100.00%

Tract	Tract Legal Description	Tract Acreage	Lease #	Mineral Owner	Mineral Interest	Royalty Percent	ORRI Owner	ORRI Percent	Working Interest Ownership	Working Interest Owner %
045AF	T2N-R12W Section 29; Lot 14 & 15, Block 5, Clam Gulch Park Subdivision, plat #75-69	0.8800	HAK # 1031623 unleased unleased	Per Eric & Frances L. Osmar Theodore L. & Ann C. Morris Sheila A. Graham	50.00% 37.50% 12.50%	12.500% 			Hilcorp Alaska, LLC	100.00%
045AG	T2N-R12W Section 29; Lot 12 & 13, Block 5, Clam Gulch Park Subdivision, plat #75-69	0.8800	HAK # 1031623 unleased unleased	Per Eric & Frances L. Osmar Theodore L. & Ann C. Morris Patricia A. Lillian & Clarlene Williams	50.00% 37.50% 12.50%	12.500% 			Hilcorp Alaska, LLC	100.00%
045AH	T2N-R12W Section 29; Lot 11, Block 5, Clam Gulch Park Subdivision, plat #75-69	0.3900	HAK # 1031623 unleased unleased	Per Eric & Frances L. Osmar Theodore L. & Ann C. Morris June A. Scheele, Mary L. Stoltman & Nola E. Stoltman	50.00% 37.50% 12.50%	12.500% 			Hilcorp Alaska, LLC	100.00%
045B	T2N-R12W Section 29; Lot 9, Block 5, Clam Gulch Park Subdivision, plat #75-69	0.5000	HAK # 310 HAK # 1031623 unleased	Phyllis Edwards Per Eric & Frances L. Osmar Theodore L. & Ann C. Morris	12.50% 50.00% 37.50%	12.500% 12.500% 			Hilcorp Alaska, LLC	100.00%
045C	T2N-R12W Section 29; Lot 8, Block 5, Clam Gulch Park Subdivision, plat #75-69	0.4600	HAK # 307 HAK # 1031623 unleased	KATHLEEN J POWERS Per Eric & Frances L. Osmar Theodore L. & Ann C. Morris	12.50% 50.00% 37.50%	12.500% 12.500% 			Hilcorp Alaska, LLC	100.00%
045D	T2N-R12W Section 29; Lot 7, Block 5, Clam Gulch Park Subdivision, plat #75-69	0.4600	HAK # 1031623 HAK # 1033552 unleased	Per Eric & Frances L. Osmar Blanche M. Struemke Theodore L. & Ann C. Morris	50.00% 12.50% 37.50%	12.500% 12.500% 			Hilcorp Alaska, LLC	100.00%

Tract	Tract Legal Description	Tract Acreage	Lease #	Mineral Owner	Mineral Interest	Royalty Percent	ORRI Owner	ORRI Percent	Working Interest Ownership	Working Interest Owner %
045E	T2N-R12W Section 29; Lot 6, Block 5, Clam Gulch Park Subdivision, plat #75-69	0.4600	HAK # 304 HAK # 1033538 HAK # 1033539 unleased unleased	Jack Boughton Phillip Boughton Michel D. Lee Per Eric & Frances L. Osmar Theodore L. & Ann C. Morris	4.17% 4.17% 4.17% 50.00% 37.50%	12.500% 12.500% 12.500%			Hilcorp Alaska, LLC	100.00%
045F	T2N-R12W Section 29; Lots 4 & 5, Block 5, Clam Gulch Park Subdivision, plat #K-1506	0.9200	HAK # 1031623 unleased unleased	Per Eric & Frances L. Osmar Theodore L. & Ann C. Morris Sherwood Williams, Jr. & Darlene M. Ross	50.00% 37.50% 12.50%	12.500%			Hilcorp Alaska, LLC	100.00%
045G	T2N-R12W Section 29; Lot 3, Block 5, Clam Gulch Park Subdivision, plat #K-1506	0.4600	HAK # 1031623 HAK # 1033549 unleased	Per Eric & Frances L. Osmar Robert S. Kasavage Theodore L. & Ann C. Morris	50.00% 12.50% 37.50%	12.500% 12.500%			Hilcorp Alaska, LLC	100.00%
045H	T2N-R12W Section 29; Lot 1, Block 5, Clam Gulch Park Subdivision, plat #K-1506	0.4800	HAK # 1031623 unleased unleased	Per Eric & Frances L. Osmar Theodore L. & Ann C. Morris Danny C. & Alice Eileen Rose	50.00% 37.50% 12.50%	12.500%			Hilcorp Alaska, LLC	100.00%
045I	T2N-R12W Section 29; Lot 2, Block 5, Clam Gulch Park Subdivision, plat #K-1506	0.4300	HAK # 313 HAK # 1031623 unleased	Robert W. & Casina G. Wilkins Per Eric & Frances L. Osmar Theodore L. & Ann C. Morris	12.50% 50.00% 37.50%	12.500% 12.500%			Hilcorp Alaska, LLC	100.00%
045J	T2N-R12W Section 29; Lots 1 & 2, Block 1, Clam Gulch Park Subdivision, plat #75-69	1.1000	HAK # 1031623 HAK # 1033541 unleased	Per Eric & Frances L. Osmar James L. & Doris R. Waggoner Theodore L. & Ann C. Morris	50.00% 12.50% 37.50%	12.500% 12.500%			Hilcorp Alaska, LLC	100.00%

Tract	Tract Legal Description	Tract Acreage	Lease #	Mineral Owner	Mineral Interest	Royalty Percent	ORRI Owner	ORRI Percent	Working Interest Ownership	Working Interest Owner %
045K	T2N-R12W Section 29; Lots 1, 2, 3, Block 2, Clam Gulch Park Subdivision, plat #75-69	1.3300	HAK # 1031623	Per Eric & Frances L. Osmar Theodore L. & Ann C. Morris Mildred A. Drum	50.00% 37.50% 12.50%	12.500%			Hilcorp Alaska, LLC	100.00%
045L	T2N-R12W Section 29; Lots 4 & 5, Block 2, Clam Gulch Park Subdivision, plat #75-69	0.9200	HAK # 314	William L. & Renae Denton Per Eric & Frances L. Osmar Theodore L. & Ann C. Morris	12.50% 50.00% 37.50%	12.500%			Hilcorp Alaska, LLC	100.00%
045M	T2N-R12W Section 29; Lots 6 & 7, Block 2, Clam Gulch Park Subdivision, plat #75-69	0.9200	HAK # 1031623	Per Eric & Frances L. Osmar Theodore L. & Ann C. Morris Kurt Neil & Vicki L. Nelson	50.00% 37.50% 12.50%	12.500%			Hilcorp Alaska, LLC	100.00%
045N	T2N-R12W Section 29; Lots 8, 9, 10 & 11, Block 2, Clam Gulch Park Subdivision, plat #75-69	2.3000	HAK # 1031623	Per Eric & Frances L. Osmar Theodore L. & Ann C. Morris Charles R. & Elizabeth J. Hudson	50.00% 37.50% 12.50%	12.500%			Hilcorp Alaska, LLC	100.00%
045O	T2N-R12W Section 29; Lots 1 & 2, Block 4, Clam Gulch Park Subdivision, plat #75-69	0.9700	HAK # 1031623	Per Eric & Frances L. Osmar Theodore L. & Ann C. Morris Richard Flanders	50.00% 37.50% 12.50%	12.500%			Hilcorp Alaska, LLC	100.00%
045P	T2N-R12W Section 29; Lot 3, Block 4, Clam Gulch Park Subdivision, plat #75-69	0.4600	HAK # 1031623 HAK # 1033536	Per Eric & Frances L. Osmar Frances J. Todd Theodore L. & Ann C. Morris	50.00% 12.50% 37.50%	12.500%			Hilcorp Alaska, LLC	100.00%
045Q	T2N-R12W Section 29; Lot 4, Block 4, Clam Gulch Park Subdivision, plat #75-69	0.4600	HAK # 1031623	Per Eric & Frances L. Osmar Theodore L. & Ann C. Morris John W. & Marjorie L. Williamson	50.00% 37.50% 12.50%	12.500%			Hilcorp Alaska, LLC	100.00%

Tract	Tract Legal Description	Tract Acreage	Lease #	Mineral Owner	Mineral Interest	Royalty Percent	ORRI Owner	ORRI Percent	Working Interest Ownership	Working Interest Owner %
045R	T2N-R12W Section 29; Lot 5, Block 4, Clam Gulch Park Subdivision, plat #75-69	0.4600	HAK # 306 HAK # 1031623 unleased	Jean M. & Larry P. Brooking Per Eric & Frances L. Osmar Theodore L. & Ann C. Morris	12.50% 50.00% 37.50%	12.500% 12.500%			Hilcorp Alaska, LLC	100.00%
045S	T2N-R12W Section 29; Lot 6, Block 4, Clam Gulch Park Subdivision, plat #75-69	0.4600	HAK # 1031623 HAK # 1033558 unleased	Per Eric & Frances L. Osmar Michael C. Wyatt & Daune Wyatt Theodore L. & Ann C. Morris	50.00% 12.50% 37.50%	12.500% 12.500%			Hilcorp Alaska, LLC	100.00%
045T	T2N-R12W Section 29; Lot 7, Block 4, Clam Gulch Park Subdivision, plat #75-69	0.4600	HAK # 1031623 unleased unleased	Per Eric & Frances L. Osmar Theodore L. & Ann C. Morris Lee F. & Alice M. Hawkins	50.00% 37.50% 12.50%	12.500%			Hilcorp Alaska, LLC	100.00%
045U	T2N-R12W Section 29; Lots 8 & 9, Block 4, Clam Gulch Park Subdivision, plat #75-69	0.9200	HAK # 1031623 unleased unleased	Per Eric & Frances L. Osmar Theodore L. & Ann C. Morris Vernon & Mary Osborn	50.00% 37.50% 12.50%	12.500%			Hilcorp Alaska, LLC	100.00%
045V	T2N-R12W Section 29; Lot 10, Block 4, Clam Gulch Park Subdivision, plat #75-69	0.4600	HAK # 313 HAK # 1031623 unleased	Robert W. & Casina G. Wilkins Per Eric & Frances L. Osmar Theodore L. & Ann C. Morris	12.50% 50.00% 37.50%	12.500% 12.500%			Hilcorp Alaska, LLC	100.00%
045W	T2N-R12W Section 29; Lots 11 & 12, Block 4, Clam Gulch Park Subdivision, plat #75-69	1.1300	HAK # 1031623 unleased unleased	Per Eric & Frances L. Osmar Theodore L. & Ann C. Morris Theodore Paulias	50.00% 37.50% 12.50%	12.500%			Hilcorp Alaska, LLC	100.00%
045X	T2N-R12W Section 29; Mineral interest in dedicated roads and easements in Clam Gulch Park Subdivision, plat #75-69	3.0000	HAK # 1031623 unleased unleased	Per Eric & Frances L. Osmar Theodore L. & Ann C. Morris Donald F. and Verona G. Smith	50.00% 37.50% 12.50%	12.500%			Hilcorp Alaska, LLC	100.00%

Tract	Tract Legal Description	Tract Acreage	Lease #	Mineral Owner	Mineral Interest	Royalty Percent	ORRI Owner	ORRI Percent	Working Interest Ownership	Working Interest Owner %
045Y	T2N-R12W Section 29; Minerals underlying the Sterling Highway right-of-way as it passes through Clam Gulch Park Subdivision, plat #75-69	12.0350	HAK # 1031623 unleased	Per Eric & Frances L. Osmar Theodore L. & Ann C. Morris	50.00% 50.00%	12.500% 12.500%			Hilcorp Alaska, LLC	100.00%
045Z	T2N-R12W Section 29; Lot 1, Block 3, Clam Gulch Park Subdivision, plat #75-69	0.4700	HAK # 308 HAK # 1031623 unleased	Regina A. & Joe M. Miller Per Eric & Frances L. Osmar Theodore L. & Ann C. Morris	12.50% 50.00% 37.50%	12.500% 12.500%			Hilcorp Alaska, LLC	100.00%
046	T2N-R12W Section 32; Lot 3 and SW/4SW/4 T1N-R12W Section 6; All of Lot 1, less and except that part lying to the south and east of the Sterling Highway a part of which is described as Lots 1-7 of the Webb Tracts 1974 Subdivision (Plat #H74-1724)	128.0500	HAK # 1031633 HAK # 1031633 HAK # 1031633	Shelle K. Leman Stephen S. Webb Susan L. Steinbach	33.33% 33.33% 33.33%	12.500% 12.500% 12.500%			Hilcorp Alaska, LLC	100.00%
047	T1N-R12W Section 5; Lot 4 Section 6; All of Lot 1 lying to the south and east of the Sterling Highway	41.0000	HAK # 1031614 HAK # 1031614 HAK # 1031614 HAK # 1031614 unleased	Dorothy Marie Walther Marjorie A. Houser Ruth A. Walther Creech William H. Wallner Heirs of Helen L. Magionos	12.50% 12.50% 12.50% 12.50% 50.00%	12.500% 12.500% 12.500% 12.500%			Hilcorp Alaska, LLC	100.00%

Tract	Tract Legal Description	Tract Acreage	Lease #	Mineral Owner	Mineral Interest	Royalty Percent	ORRI Owner	ORRI Percent	Working Interest Ownership	Working Interest Owner %
048	T1N-R12W Section 6: Tract #1 of Udelhoven Subdivision (Plat #H77-70), a part of government Lot 2	2.6690	HAK # 1034912	Brigitte Thebaut	16.67%	12.500%			Hilcorp Alaska, LLC	100.00%
			HAK # 1034912	Joann Steik	16.67%	12.500%				
			HAK # 1034912	Shirley J. Cox	16.67%	12.500%				
			HAK # 1034912	Ann Marie Davis	8.33%	12.500%				
			HAK # 1034912	Dawn M. Dutton	8.33%	12.500%				
			HAK # 1034912	Jennifer Linann Wiederspohn	8.33%	12.500%				
			HAK # 1034912	Jesse Udelhoven	8.33%	12.500%				
			HAK # 1034912	Sandra K. Udelhoven- Taylor	8.33%	12.500%				
			HAK # 1034912	Hanna Koger Udelhoven	4.17%	12.500%				
			HAK # 1034912	Miranda Marilyn Udelhoven	4.17%	12.500%				
049	T1N-R12W Section 6: Tracts 2, 3, 5, 6 and 7 of Udelhoven Subdivision (Plat #H77-70), a part of government Lot 2, less that part of Tracts 2 and 3 lying outside the SW/4NE/4 and also any mineral rights lying under the roadbed of the Sterling Highway right-of-way	29.9510	HAK # 1034912	James Udelhoven	25.00%	12.500%	Hilcorp Alaska, LLC	6.500000%	Hilcorp Alaska, LLC	100.00%
			HAK # 1034912	Brigitte Thebaut	16.67%	12.500%				
			HAK # 1034912	Joann Steik	16.67%	12.500%				
			HAK # 1034912	Shirley J. Cox	16.67%	12.500%				
			HAK # 1034912	Ann Marie Davis	4.17%	12.500%				
			HAK # 1034912	Dawn M. Dutton	4.17%	12.500%				
			HAK # 1034912	Jennifer Linann Wiederspohn	4.17%	12.500%				
			HAK # 1034912	Jesse Udelhoven	4.17%	12.500%				
			HAK # 1034912	Sandra K. Udelhoven- Taylor	4.17%	12.500%				
			HAK # 1034912	Hanna Koger Udelhoven	2.08%	12.500%				
			HAK # 1034912	Miranda Marilyn Udelhoven	2.08%	12.500%				

Tract	Tract Legal Description	Tract Acreage	Lease #	Mineral Owner	Mineral Interest	Royalty Percent	ORRI Owner	ORRI Percent	Working Interest Ownership	Working Interest Owner %
049A	T1N-R12W Section 6: That part of Tracts 2 and 3 lying outside the SW/4NE/4	2.0000	HAK # 1034912	James Udelhoven	25.00%	12.500%			Hilcorp Alaska, LLC	100.00%
			HAK # 1034912	Brigitte Thebaut	16.67%	12.500%				
			HAK # 1034912	Joann Steik	16.67%	12.500%				
			HAK # 1034912	Shirley J. Cox	16.67%	12.500%				
			HAK # 1034912	Ann Marie Davis	4.17%	12.500%				
			HAK # 1034912	Dawn M. Dutton	4.17%	12.500%				
			HAK # 1034912	Jennifer Linann Wiederspohn	4.17%	12.500%				
			HAK # 1034912	Jesse Udelhoven	4.17%	12.500%				
			HAK # 1034912	Sandra K. Udelhoven- Taylor	4.17%	12.500%				
			HAK # 1034912	Hanna Koger Udelhoven	2.08%	12.500%				
			HAK # 1034912	Miranda Marilyn Udelhoven	2.08%	12.500%				
050	T1N-R12W Section 6: That part of Tract 4 of Udelhoven Subdivision lying within the SW/4NE/4	3.6200	HAK # 1034912	Jennifer Linann Wiederspohn	50.00%	12.500%	Hilcorp Alaska, LLC	6.500000%	Hilcorp Alaska, LLC	100.00%
			HAK # 1034912	Brigitte Thebaut	16.67%	12.500%				
			HAK # 1034912	Joann Steik	16.67%	12.500%				
			HAK # 1034912	Shirley J. Cox	16.67%	12.500%				
050A	T1N-R12W Section 6: That part of Tract 4 of Udelhoven Subdivision lying outside the SW/4NE/4	2.6700	HAK # 1034912	Jennifer Linann Wiederspohn	50.00%	12.500%	Hilcorp Alaska, LLC	3.250000%	Hilcorp Alaska, LLC	100.00%
			HAK # 1034912	Brigitte Thebaut	16.67%	12.500%				
			HAK # 1034912	Joann Steik	16.67%	12.500%				
			HAK # 1034912	Shirley J. Cox	16.67%	12.500%				
051	T1N-R12W Section 6: That portion of the north 165' of the N/2SE/4 of section 6-IN-12W lying west of the Sterling Highway	0.9100	HAK # 1034850	E. W. Vanderbilt (Margaret Vanderbilt Lvg Trust)	100.00%	12.500%	Hilcorp Alaska, LLC	6.500000%	Hilcorp Alaska, LLC	100.00%
051A	T1N-R12W Section 6: The North 165' of GLO Lot 3	2.3400	HAK # 1034850	E. W. Vanderbilt (Margaret Vanderbilt Lvg Trust)	100.00%	12.500%	Hilcorp Alaska, LLC	3.250000%	Hilcorp Alaska, LLC	100.00%

Tract	Tract Legal Description	Tract Acreage	Lease #	Mineral Owner	Mineral Interest	Royalty Percent	ORRI Owner	ORRI Percent	Working Interest Ownership	Working Interest Owner %
052	T1N-R12W Section 6: That part of N/2SE/4 lying east of the Sterling Highway	58.0000	HAK # 1033560	Harold A. and Marguerite M. Pederson	100.00%	12.500%			Hilcorp Alaska, LLC	100.00%
053	T1N-R12W Section 6: That part of N/2SE/4 lying west of the Sterling Highway, less and except the north 165 feet and that portion of the Sterling Highway Right-of-Way lying within the N/2SE/4	21.0900	HAK # 1034913	Harold Lee and Diane R. Pederson	100.00%	12.500%	Hilcorp Alaska, LLC	6.500000%	Hilcorp Alaska, LLC	100.00%
053A	T1N-R12W Section 6: Lot 3, less and except the North 165' thereof	28.9000	HAK # 1034913	Harold Lee and Diane R. Pederson	100.00%	12.500%	Hilcorp Alaska, LLC	3.250000%	Hilcorp Alaska, LLC	100.00%
054	T1N-R12W Section 6: Block 3, Lot 2 of Clammers Haven Subdivision platted in Plat #H-76-62, a part of S/2SE/4	2.6600	HAK # 1034911 HAK # 1034911 HAK # 1034911 HAK # 1034911 HAK # 1034911	Roberta A. Kizer Charles Weyhaupt David Weyhaupt James Reinhardt Thomas Weyhaupt	25.00% 18.75% 18.75% 18.75% 18.75%	12.500% 12.500% 12.500% 12.500% 12.500%	Hilcorp Alaska, LLC	6.500000%	Hilcorp Alaska, LLC	100.00%
055	T1N-R12W Section 6: Block 2, Lot 4 of Clammers Haven Subdivision platted in Plat #H-76-62, a part of S/2SE/4	2.8800	HAK # 1034911 HAK # 1034911 HAK # 1034911 HAK # 1034911 HAK # 1034911	David William Petty Charles Weyhaupt David Weyhaupt James Reinhardt Thomas Weyhaupt	25.00% 18.75% 18.75% 18.75% 18.75%	12.500% 12.500% 12.500% 12.500% 12.500%	Hilcorp Alaska, LLC	6.500000%	Hilcorp Alaska, LLC	100.00%
056	T1N-R12W Section 6: S/2SE/4, less and except Block 2, Lots 1, 4, and 8, Block 3, Lot 2, and Block 5, Lots 1, 4, and 5 of Clammer's Haven Subdivision, Plat 76-62	58.1510	HAK # 1034911 HAK # 1034911 HAK # 1034911 HAK # 1034911 HAK # 1034911 HAK # 1034911	Charles Weyhaupt David Weyhaupt James Reinhardt Thomas Weyhaupt Norma Jeanne Nichols Walter G. Williams	18.75% 18.75% 18.75% 18.75% 16.67% 8.33%	12.500% 12.500% 12.500% 12.500% 12.500% 12.500%	Hilcorp Alaska, LLC	6.500000%	Hilcorp Alaska, LLC	100.00%

Tract	Tract Legal Description	Tract Acreage	Lease #	Mineral Owner	Mineral Interest	Royalty Percent	ORRI Owner	ORRI Percent	Working Interest Ownership	Working Interest Owner %
057	T1N-R12W Section 6; Block 5, Lot 5 of Clammers Haven Subdivision platted in Plat #H-76-62, a part of S/2SE/4	3.1600	HAK # 1034911	Shawna A. Roney	25.00%	12.500%	Hilcorp Alaska, LLC	6.500000%	Hilcorp Alaska, LLC	100.00%
			HAK # 1034911	Charles Weyhaupt	18.75%	12.500%				
			HAK # 1034911	David Weyhaupt	18.75%	12.500%				
			HAK # 1034911	James Reinhardt	18.75%	12.500%				
			HAK # 1034911	Thomas Weyhaupt	18.75%	12.500%				
058	T1N-R12W Section 6; Block 5, Lot 4 of Clammers Haven Subdivision platted in Plat #H-76-62, a part of S/2SE/4	3.5900	HAK # 1034911	Andrea Gregory	25.00%	12.500%	Hilcorp Alaska, LLC	6.500000%	Hilcorp Alaska, LLC	100.00%
			HAK # 1034911	Charles Weyhaupt	18.75%	12.500%				
			HAK # 1034911	David Weyhaupt	18.75%	12.500%				
			HAK # 1034911	James Reinhardt	18.75%	12.500%				
			HAK # 1034911	Thomas Weyhaupt	18.75%	12.500%				
059	T1N-R12W Section 6; Block 2, Lot 1 of Clammers Haven Subdivision platted in Plat #H-76-62, a part of S/2SE/4	2.9400	HAK # 1034911	Charles Weyhaupt	18.75%	12.500%	Hilcorp Alaska, LLC	6.500000%	Hilcorp Alaska, LLC	100.00%
			HAK # 1034911	David Weyhaupt	18.75%	12.500%				
			HAK # 1034911	James Reinhardt	18.75%	12.500%				
			HAK # 1034911	Thomas Weyhaupt	18.75%	12.500%				
			HAK # 1034911	Jens H. and Anneline Hansen	12.50%	12.500%				
060	T1N-R12W Section 6; Block 2, Lot 8 of Clammers Haven Subdivision platted in Plat #H-76-62, a part of S/2SE/4	2.9000	HAK # 1034911	Veray H. Matthews	12.50%	12.500%				
			HAK # 1034911	John Stallone, Jr.	25.00%	12.500%	Hilcorp Alaska, LLC	6.500000%	Hilcorp Alaska, LLC	100.00%
			HAK # 1034911	Charles Weyhaupt	18.75%	12.500%				
			HAK # 1034911	David Weyhaupt	18.75%	12.500%				
			HAK # 1034911	James Reinhardt	18.75%	12.500%				
060	T1N-R12W Section 6; Block 2, Lot 8 of Clammers Haven Subdivision platted in Plat #H-76-62, a part of S/2SE/4	2.9000	HAK # 1034911	Thomas Weyhaupt	18.75%	12.500%				

Tract	Tract Legal Description	Tract Acreage	Lease #	Mineral Owner	Mineral Interest	Royalty Percent	ORRI Owner	ORRI Percent	Working Interest Ownership	Working Interest Owner %
061	T1N-R12W Section 6; Block 5, Lot 1 of Clammers Haven Subdivision platted in Plat #H-76-62, a part of S/2SE/4	3.2600	HAK # 1034911 HAK # 1034911 HAK # 1034911 HAK # 1034911 HAK # 1034911	Dennis Hedman Charles Weyhaupt David Weyhaupt James Reinhardt Thomas Weyhaupt	25.00% 18.75% 18.75% 18.75% 18.75%	12.500% 12.500% 12.500% 12.500% 12.500%	Hilcorp Alaska, LLC	6.5000000% 	Hilcorp Alaska, LLC	100.00%
062	T1N-R12W Section 6; That part of government Lot 4 lying in the SE/4SW/4, less Block 1, Lot 9 and Block 2, Lots 3 and 4 of Clammers Haven Addition No. 1 as platted in plat #H- 78-25 a/d/a That part of Block 1, Lot 4 and that part of Block 2 Lot 1 lying in the SE/4SW/4 and all of Block 1, Lots 5-8 (inclusive) and 10-16 (inclusive) and Block 2, Lots 2, 5 and 6 and any interest in road ways and easements dedicated to public use in the Clammers Haven Addition No. 1 as platted in plat # H-78-25	34.9900	HAK # 1034911 HAK # 1034911 HAK # 1034911 HAK # 1034911 HAK # 1034911 HAK # 1034911 HAK # 1034911	Charles Weyhaupt David Weyhaupt James Reinhardt Thomas Weyhaupt Norma Jeanne Nichols Walter G. Williams	18.75% 18.75% 18.75% 18.75% 16.67% 8.33%	12.500% 12.500% 12.500% 12.500% 12.500% 12.500%	Hilcorp Alaska, LLC	6.5000000% 	Hilcorp Alaska, LLC	100.00%
062A	T1N-R12W, S.M. Sec 6: Those parts of Clammers Haven Addition No.1 (plat H-78-25), described as all of Block 1, Lot 2 and those parts of Block 1, Lot 4 lying outside the SE/4SW/4 AND those parts of Block 2, Lot 1 lying outside the SE/4SW/4 and all minerals underlying dedicated roads and easements lying outside the SE/4SW/4 (a part of GLO Lot 4)	12.1100	HAK # 1034911 HAK # 1034911 HAK # 1034911 HAK # 1034911 HAK # 1034911 HAK # 1034911	Charles Weyhaupt David Weyhaupt James Reinhardt Thomas Weyhaupt Norma Jeanne Nichols Walter G. Williams	18.75% 18.75% 18.75% 18.75% 16.67% 8.33%	12.500% 12.500% 12.500% 12.500% 12.500% 12.500%	Hilcorp Alaska, LLC	3.2500000% 	Hilcorp Alaska, LLC	100.00%
062B	T1N-R12W, S.M. Sec 6: Those parts of Clammers Haven Addition No.1 (plat H-78-25), described as all of Block 1, Lot 1 (a part of GLO Lot 4)	4.4600	HAK # 1034911 HAK # 1034911 HAK # 1034911 HAK # 1034911 HAK # 1034911	Edward C. and Myong C. Greene Charles Weyhaupt David Weyhaupt James Reinhardt Thomas Weyhaupt	25.00% 18.75% 18.75% 18.75% 18.75%	12.500% 12.500% 12.500% 12.500% 12.500%	Hilcorp Alaska, LLC	3.2500000% 	Hilcorp Alaska, LLC	100.00%

Tract	Tract Legal Description	Tract Acreage	Lease #	Mineral Owner	Mineral Interest	Royalty Percent	ORRI Owner	ORRI Percent	Working Interest Ownership	Working Interest Owner %
062C	T1N-R12W, S.M. Sec 6: Those parts of Clammers Haven Addition No.1 (plat H-78-25), described as all of Block 1, Lot 3 (a part of GLO Lot 4)	2.9900	HAK # 1034911	Keith C. and Flora D. Lovejoy	25.00%	12.500%	Hilcorp Alaska, LLC	3.250000%	Hilcorp Alaska, LLC	100.00%
			HAK # 1034911	Charles Weyhaupt	18.75%	12.500%				
			HAK # 1034911	David Weyhaupt	18.75%	12.500%				
			HAK # 1034911	James Reinhardt	18.75%	12.500%				
			HAK # 1034911	Thomas Weyhaupt	18.75%	12.500%				
063	T1N-R12W Section 6: That part of Government Lot 4 more particularly described as Block 2, Lot 4 of Clammers Haven Addition No. 1, as platted in plat # H-78-25	1.7000	HAK # 1034911	Michael and Marjorie Barry	25.00%	12.500%	Hilcorp Alaska, LLC	6.500000%	Hilcorp Alaska, LLC	100.00%
			HAK # 1034911	Charles Weyhaupt	18.75%	12.500%				
			HAK # 1034911	David Weyhaupt	18.75%	12.500%				
			HAK # 1034911	James Reinhardt	18.75%	12.500%				
			HAK # 1034911	Thomas Weyhaupt	18.75%	12.500%				
064	T1N-R12W Section 6: That part of Government Lot 4 more particularly described as Block 2, Lot 3 of Clammers Haven Addition No. 1, as platted in plat # H-78-25	1.7400	HAK # 1034911	Michael and Marjorie Barry	25.00%	12.500%	Hilcorp Alaska, LLC	6.500000%	Hilcorp Alaska, LLC	100.00%
			HAK # 1034911	Charles Weyhaupt	18.75%	12.500%				
			HAK # 1034911	David Weyhaupt	18.75%	12.500%				
			HAK # 1034911	James Reinhardt	18.75%	12.500%				
			HAK # 1034911	Thomas Weyhaupt	18.75%	12.500%				
065	T1N-R12W Section 6: That part of Government Lot 4 more particularly described as Block 1, Lot 9 of Clammers Haven Addition No. 1, as platted in plat # H-78-25	1.5700	HAK # 1034911	Charles Weyhaupt	18.75%	12.500%	Hilcorp Alaska, LLC	6.500000%	Hilcorp Alaska, LLC	100.00%
			HAK # 1034911	David Weyhaupt	18.75%	12.500%				
			HAK # 1034911	James Reinhardt	18.75%	12.500%				
			HAK # 1034911	Thomas Weyhaupt	18.75%	12.500%				
			HAK # 1034911	Corey Kruse	12.50%	12.500%				
			HAK # 1034911	James Kruse	12.50%	12.500%				

Tract	Tract Legal Description	Tract Acreage	Lease #	Mineral Owner	Mineral Interest	Royalty Percent	ORRI Owner	ORRI Percent	Working Interest Ownership	Working Interest Owner %
066	T1N-R12W, S.M. Section 7: Government Lots 1 and 2 and the NE/4NW/4, less and except Lots 7, 9, 10, 12, 14 and 15 of Falls Creek Ridge 1978 Subdivision (Plat #H78-23 replatted #H78- 71), a part of government Lot 2, and a portion of the NW 1/4NE1/4 lying west of the centerline of the Sterling Highway;	124.9500	HAK # 1031611	Emil and Frances Bartolowits	100.00%	12.500%			Hilcorp Alaska, LLC	100.00%
067	T1N-R12W Section 7: Lots 7 and 10 of Falls Creek Ridge 1978 Subdivision (Plat #H78-23 replatted #H78-71), a part of government Lot 2	4.0300	HAK # 591276	James A. and Theresa L. Wilson	100.00%	12.500%			Hilcorp Alaska, LLC	100.00%
068	T1N-R12W Section 7: Lots 9 and 12 of Falls Creek Ridge 1978 Subdivision (Plat #H78-23 replatted #H78-71), a part of government Lot 2	4.0280	HAK # 1033555	Richard S. Bartolowits	100.00%	12.500%			Hilcorp Alaska, LLC	100.00%
069	T1N-R12W Section 7: Lot 14 of Falls Creek Ridge 1978 Subdivision (Plat #H78-23 replatted #H78- 71), a part of government Lot 2	2.0280	HAK # 1031350	Paul D. and LaRae A. Bartolowits	100.00%	12.500%			Hilcorp Alaska, LLC	100.00%
070	T1N-R12W Section 7: Lot 15 of Falls Creek Ridge 1978 Subdivision (Plat #H78-23 replatted #H78- 71), a part of government Lot 2	2.0260	HAK # 1031612	Paul D. and LaRae A. Bartolowits	100.00%	12.500%			Hilcorp Alaska, LLC	100.00%
071	T1N-R13W Section 12: E/2SE/4 and SW/4SE/4	120.0000	HAK # 1031606 HAK # 1031606 HAK # 1031606 HAK # 1031606 HAK # 1031607 HAK # 1031607	James M. Rusk Margaret Calder Marybeth Jackson Michelle Jean McCartan Adair Properties, LLC L.S. Kurtz	12.50% 12.50% 12.50% 12.50% 25.00% 25.00%	12.500% 12.500% 12.500% 12.500% 12.500% 12.500%			Hilcorp Alaska, LLC	100.00%
072	T1N-R13W Section 23: Lot 2 and Lot 6 and SE/4SW/4	110.7200	HAK # 1031632	Marion Oskolkoff	100.00%	12.500%			Hilcorp Alaska, LLC	100.00%

Tract	Tract Legal Description	Tract Acreage	Lease #	Mineral Owner	Mineral Interest	Royalty Percent	ORRI Owner	ORRI Percent	Working Interest Ownership	Working Interest Owner %
073	T1N-R13W Section 23: A part of Government Lot 4 described as Tracts A and E of the Woodhead Subdivision platted in Plat #H-83-110	10.3100	unleased	Faye L. Woodhead	100.00%					
074	T1N-R13W Section 23: A part of Government Lot 4 described as Tract B of the Woodhead Subdivision platted in Plat #H-83-110	7.9400	unleased	Robert N. Woodhead and Kathleen J. Woodhead (H&W)	100.00%					
075	T1N-R13W Section 23: A part of Government Lot 4 described as Tract C of the Woodhead Subdivision platted in Plat #H-83-110	8.6100	unleased	Terry Lee Woodhead	100.00%					
076	T1N-R13W Section 23: A part of Government Lot 4 described as Tract D of the Woodhead Subdivision platted in Plat #H-83-110	7.7300	unleased	Dale Wayne Woodhead	100.00%					
077	T1N-R13W Section 27: That portion of US Government Lot 6 lying in the North Half of the Northeast Quarter of the Northeast Quarter (N2NE4NE4) in the Homer Recording District, Third Judicial District, State of Alaska	1.0000	unleased	James H. Mead and Muriel R. Mead	100.00%					
078	T1N-R13W Section 27: That part of Lot 6 lying within the S/2NE/4NE/4 a/d/a S/2NE/4NE/4	18.5600	HAK # 1031602 HAK # 1031602	Pamela Vantress Living Trust Paula Lee Honchen Living Trust	50.00% 50.00%	12.500% 12.500%			Hilcorp Alaska, LLC	100.00%
079	T1N-R13W Section 27: Lot 7	55.5500	HAK # 321 HAK # 321 HAK # 321	Anne Elizabeth Milner Brian Alfred Milner Maureen Elizabeth Milner	33.33% 33.33% 33.33%	12.500% 12.500% 12.500%			Hilcorp Alaska, LLC	100.00%

Tract	Tract Legal Description	Tract Acreage	Lease #	Mineral Owner	Mineral Interest	Royalty Percent	ORRI Owner	ORRI Percent	Working Interest Ownership	Working Interest Owner %
080	T1N-R13W Section 27: Lot 10 and NE/4SE/4, except Tract A, Tract B and Tract C of Corea Bend Subdivision #2, plat #99-41	46.8440	HAK # 1031599	Janet M. Clucas	20.00%	12.500%			Hilcorp Alaska, LLC	100.00%
			HAK # 1031599	Judith A. Johnson	20.00%	12.500%				
			HAK # 1031599	Kathleen M. Wallace	20.00%	12.500%				
			HAK # 1031599	Mitzi Louise Blossom	20.00%	12.500%				
			HAK # 1031599	Ogren 2013 Family Trust	20.00%	12.500%				
080A	T1N-R13W Section 27: Tract B1 of Corea Bend Subdivision #3, plat #2003-53	6.8910	HAK # 1031599	Marta Denise, Javan Wayne and Alana Camille Simpson	40.00%	12.500%			Hilcorp Alaska, LLC	100.00%
			HAK # 1031599	Janet M. Clucas	20.00%	12.500%				
			HAK # 1031599	Kathleen M. Wallace	20.00%	12.500%				
			HAK # 1031599	Mitzi Louise Blossom	20.00%	12.500%				
080B	T1N-R13W Section 27: Tract A1 of Corea Bend Subdivision #3, plat #2007-116	4.9980	HAK # 1031599	Janet M. Clucas	20.00%	12.500%			Hilcorp Alaska, LLC	100.00%
			HAK # 1031599	Judith A. Johnson	20.00%	12.500%				
			HAK # 1031599	Kathleen M. Wallace	20.00%	12.500%				
			HAK # 1031599	Mitzi Louise Blossom	20.00%	12.500%				
			HAK # 1031599	Rohit Butail and Alica Mae Ogren	20.00%	12.500%				
080C	T1N-R13W Section 27: Tract C of Corea Bend Subdivision #2, plat #99-41	10.5370	HAK # 1031599	Dennis K. and Martha E. Ogren	20.00%	12.500%			Hilcorp Alaska, LLC	100.00%
			HAK # 1031599	Janet M. Clucas	20.00%	12.500%				
			HAK # 1031599	Judith A. Johnson	20.00%	12.500%				
			HAK # 1031599	Mitzi Louise Blossom	20.00%	12.500%				
			HAK # 1031599	Ogren 2013 Family Trust	20.00%	12.500%				
080D	T1N-R13W Section 27: Tract B-2A of Corea Bend Subdivision #4, plat #2007-116 except Tract A of Corea Bend Subdivision #2, plat #99-41	11.1680	HAK # 1031599	Ogren 2013 Family Trust	40.00%	12.500%			Hilcorp Alaska, LLC	100.00%
			HAK # 1031599	Janet M. Clucas	20.00%	12.500%				
			HAK # 1031599	Kathleen M. Wallace	20.00%	12.500%				
			HAK # 1031599	Mitzi Louise Blossom	20.00%	12.500%				

Tract	Tract Legal Description	Tract Acres	Lease #	Mineral Owner	Mineral Interest	Royalty Percent	ORRI Owner	ORRI Percent	Working Interest Ownership	Working Interest Owner %
080E	T1N-R13W Section 27: Tract A of Corea Bend Subdivision #2, plat #99-41 except Tract A1 of Corea Bend Subdivision #4, plat #2007- 116	5.0020	HAK # 1031599	Janet M. Clucas	20.00%	12.500%			Hilcorp Alaska, LLC	100.00%
			HAK # 1031599	Judith A. Johnson	20.00%	12.500%				
			HAK # 1031599	Kathleen M. Wallace	20.00%	12.500%				
			HAK # 1031599	Mitzi Louise Blossom	20.00%	12.500%				
			HAK # 1031599	Ogren 2013 Family Trust	20.00%	12.500%				
081	T1N-R13W Section 27: That part of the SE1/4 lying east of the Sterling Highway right-of-way	7.0000	HAK # 31	Janet M. and Robert C. Clucas	20.00%	12.500%			Hilcorp Alaska, LLC	100.00%
			HAK # 591309	Kathleen M. Wallace	20.00%	12.500%				
			HAK # 591310	Judith A. and Brent Johnson	20.00%	12.500%				
			HAK # 591311	Mitzi Louise Blossom	20.00%	12.500%				
			HAK # 591312	Ogren 2013 Family Trust	20.00%	12.500%				
082	T1N-R13W Section 27: A part of the S/2SE/4 lying north and west of the Sterling Highway described as Lots 1, 2, 3 and 4 of the Corea Bend Subdivision (platted as Plat #H85-15)	7.9880	HAK # 1031599	Janet M. Clucas	20.00%	12.500%			Hilcorp Alaska, LLC	100.00%
			HAK # 1031599	Judith A. Johnson	20.00%	12.500%				
			HAK # 1031599	Kathleen M. Wallace	20.00%	12.500%				
			HAK # 1031599	Mitzi Louise Blossom	20.00%	12.500%				
			HAK # 1031599	Ogren 2013 Family Trust	20.00%	12.500%				
083	T1N-R13W Section 27: A part of the S/2SE/4 lying north and west of the Sterling Highway described as Lots 5 and 6 of the Corea Bend Subdivision (platted as Plat #H85-15)	2.7550	HAK # 1031599	Joseph R. and Gail M. Alcantra	100.00%	12.500%			Hilcorp Alaska, LLC	100.00%
084	T1N-R13W Section 27: A part of the S/2SE/4 lying north and west of the Sterling Highway described as Lot 7 of the Corea Bend Subdivision (platted as Plat #H85-15)	1.0580	HAK # 1031599	Robert L. Yates	100.00%	12.500%			Hilcorp Alaska, LLC	100.00%
085	T1N-R13W Section 27: A part of the S/2SE/4 lying north and west of the Sterling Highway described as Lot 8 of the Corea Bend Subdivision (platted as Plat #H85-15)	1.0840	HAK # 1031599	Evelyn C. and James L. Smith	100.00%	12.500%			Hilcorp Alaska, LLC	100.00%

Tract	Tract Legal Description	Tract Acres	Lease #	Mineral Owner	Mineral Interest	Royalty Percent	ORRI Owner	ORRI Percent	Working Interest Ownership	Working Interest Owner %
086	T1N-R13W Section 27: A part of the S/2SE/4 lying north and west of the Sterling Highway described as Lot 9 of the Corea Bend Subdivision (platted as Plat #H85-15)	1.4350	unleased	Alfred L. and Clara M. James	100.00%					
087	T1N-R13W Section 27: A part of the S/2SE/4 lying north and west of the Sterling Highway described as Lot 10 of the Corea Bend Subdivision (platted as Plat #H85-15)	1.0070	HAK # 1031599	Les and Marcy Lauinger	100.00%	12.500%			Hilcorp Alaska, LLC	100.00%
088	T1N-R13W Section 27: A part of the S/2SE/4 lying north and west of the Sterling Highway described as Lot 11 of the Corea Bend Subdivision (platted as Plat #H85-15)	1.0260	HAK # 591264	James S. and Veronice T. Crain	100.00%	12.500%			Hilcorp Alaska, LLC	100.00%
089A	T1N-R13W Section 27: A part of the S/2SE/4 lying north and west of the Sterling Highway described as Lots 12 of the Corea Bend Subdivision (platted as Plat #H85-15)	1.0190	unleased	Elizabeth Jackson Revocable Trust	100.00%					
089B	T1N-R13W Section 27: A part of the S/2SE/4 lying north and west of the Sterling Highway described as Lots 13 of the Corea Bend Subdivision (platted as Plat #H85-15)	1.5530	unleased	Ferguson Revocable Trust	100.00%					
090	T1N-R13W Section 27: A part of the S/2SE/4 lying north and west of the Sterling Highway described as Lot 14 of the Corea Bend Subdivision (platted as Plat #H85-15)	1.0410	HAK # 1031636	James and Christine Kemshalo	100.00%	12.500%			Hilcorp Alaska, LLC	100.00%
091	T1N-R13W Section 27: A part of the S/2SE/4 lying north and west of the Sterling Highway described as Lot 15 of the Corea Bend Subdivision (platted as Plat #H85-15)	1.2530	unleased	Michael D. and Cynthia A. Massey	100.00%					
092	T1N-R13W Section 27: A part of the S/2SE/4 lying north and west of the Sterling Highway described as Lot 16 of the Corea Bend Subdivision (platted as Plat #H85-15)	1.3560	unleased	Wayne and Paula Bumpus	100.00%					

Tract	Tract Legal Description	Tract Acreage	Lease #	Mineral Owner	Mineral Interest	Royalty Percent	ORRI Owner	ORRI Percent	Working Interest Ownership	Working Interest Owner %
093	T1N-R13W Section 27: A part of the S/2SE/4 lying north and west of the Sterling Highway described as Lots 17 and 18 of the Corea Bend Subdivision (platted as Plat #H85-15)	2.6000	HAK # 1031599	Janet M. Clucas	20.00%	12.500%			Hilcorp Alaska, LLC	100.00%
			HAK # 1031599	Judith A. Johnson	20.00%	12.500%				
			HAK # 1031599	Kathleen M. Wallace	20.00%	12.500%				
			HAK # 1031599	Mitzi Louise Blossom	20.00%	12.500%				
			HAK # 1031599	Ogren 2013 Family Trust	20.00%	12.500%				
094	T1N-R13W Section 27: A part of the S/2SE/4 lying north and west of the Sterling Highway described as Lot 19 of the Corea Bend Subdivision (platted as Plat #H85-15)	1.1230	HAK # 1031599	Monte G. Krull, Sr.	100.00%	12.500%			Hilcorp Alaska, LLC	100.00%
095	T1N-R13W Section 27: A part of the S/2SE/4 lying north and west of the Sterling Highway described as Lot 20 of the Corea Bend Subdivision (platted as Plat #H85-15)	1.1580	HAK # 1031636	James and Christine Kenshalo	100.00%	12.500%			Hilcorp Alaska, LLC	100.00%
096A	T1N-R13W Section 27: A part of the S/2SE/4 lying north and west of the Sterling Highway described as Lots 21 and 22 of the Corea Bend Subdivision (platted as Plat #H85-15)	2.1660	HAK # 1031599	Ferguson Revocable Trust	100.00%	12.500%			Hilcorp Alaska, LLC	100.00%
096B	T1N-R13W Section 27: A part of the S/2SE/4 lying north and west of the Sterling Highway described as Lots 23 of the Corea Bend Subdivision (platted as Plat #H85-15)	1.0190	HAK # 1031599	Jodie A. Wilson	100.00%	12.500%			Hilcorp Alaska, LLC	100.00%
097	T1N-R13W Section 27: A part of the S/2SE/4 lying north and west of the Sterling Highway described as Lot 24 of the Corea Bend Subdivision (platted as Plat #H85-15)	1.1800	HAK # 1031599	Janet M. Clucas	20.00%	12.500%			Hilcorp Alaska, LLC	100.00%
			HAK # 1031599	Kathleen M. Wallace	20.00%	12.500%				
			HAK # 1031599	Mitzi Louise Blossom	20.00%	12.500%				
			HAK # 1031599	Ogren 2013 Family Trust	20.00%	12.500%				
			HAK # 1031599	Tammy Lee Crain	20.00%	12.500%				

Tract	Tract Legal Description	Tract Acreage	Lease #	Mineral Owner	Mineral Interest	Royalty Percent	ORRI Owner	ORRI Percent	Working Interest Ownership	Working Interest Owner %
098	T1N-R13W Section 27: All of the S2SE/4 except Lots 1 - 24, inclusive of Corea Bend Subdivision (platted as Plat #H-85-15) and except the SE/4SE/4 lying east of the Sterling Highway right-of-way.	41.1490	HAK # 1031599	Janet M. Clucas	20.00%	12.500%			Hilcorp Alaska, LLC	100.00%
			HAK # 1031599	Judith A. Johnson	20.00%	12.500%				
			HAK # 1031599	Kathleen M. Wallace	20.00%	12.500%				
			HAK # 1031599	Mirzi Louise Blossom	20.00%	12.500%				
			HAK # 1031599	Ogren 2013 Family Trust	20.00%	12.500%				
099	T1N-R13W Section 33: That part of Government Lots 3 and 4 and the SE/4SE/4 lying east of Sterling Highway	81.7600	HAK # 1031600	Tracy and Lois Jones	50.00%	12.500%			Hilcorp Alaska, LLC	100.00%
			HAK # 1031603	Michael and Deborah Russ	48.00%	12.500%				
			unleased	Basil S Bolstridge	1.00%					
			unleased	Gaylord O. Smith and Luella Smith	1.00%					
100	T1N-R13W Section 33: A part of Government Lots 3 and 4 and SE/4SE/4 lying west of the Sterling Highway more particularly described as Lots 1 and 2 of Seaside Terrace, platted in Plat #H82-101, replatted as Lot 1A in Plat #H89-5	2.0800	HAK # 1031603	Michael and Deborah Russ	48.00%	12.500%			Hilcorp Alaska, LLC	100.00%
			unleased	David James Tyner	50.00%					
			unleased	Basil S Bolstridge	1.00%					
			unleased	Gaylord O. Smith and Luella Smith	1.00%					
101	T1N-R13W Section 33: A part of Government Lots 3 and 4 and SE/4SE/4 lying west of the Sterling Highway more particularly described as Lots 3, 4 and 5 of Seaside Terrace, platted in Plat #H82-101	9.3300	HAK # 1031603	Michael and Deborah Russ	48.00%	12.500%			Hilcorp Alaska, LLC	100.00%
			unleased	Alaska Trust Company, trustee of the Elisabeth Anne Cole Charitable Remainder Annuity Trust	50.00%					
			unleased	Basil S Bolstridge	1.00%					
			unleased	Gaylord O. Smith and Luella Smith	1.00%					
102	T1N-R13W Section 33: A part of Government Lots 3 and 4 and SE/4SE/4 lying west of the Sterling Highway more particularly described as Lot 6 of Seaside Terrace, platted in Plat #H82-101	2.9400	HAK # 1031603	Michael and Deborah Russ	48.00%	12.500%			Hilcorp Alaska, LLC	100.00%
			unleased	Daniel A. Rock	12.50%					
			unleased	Sandra J. Rock	12.50%					
			unleased	Sherri L. Rock	12.50%					
			unleased	Timothy D. Rock	12.50%					
			unleased	Basil S Bolstridge	1.00%					
			unleased	Gaylord O. Smith and Luella Smith	1.00%					

Tract	Tract Legal Description	Tract Acres	Lease #	Mineral Owner	Mineral Interest	Royalty Percent	ORRI Owner	ORRI Percent	Working Interest Ownership	Working Interest Owner %
103	T1N-R13W Section 33: A part of Government Lots 3 and 4 and SE/4SE/4 lying west of the Sterling Highway more particularly described as Lot 7 of Seaside Terrace, platted in Plat #H82-101	1.9200	HAK # 1031603 unleased unleased unleased	Michael and Deborah Russ John S. Davis & Marsha D. Davis (H&W) Basil S Bolstridge Gaylord O. Smith and Luella Smith	48.00% 50.00% 1.00% 1.00%	12.500%			Hilcorp Alaska, LLC	100.00%
104	T1N-R13W Section 33: A part of Government Lots 3 and 4 and SE/4SE/4 lying west of the Sterling Highway more particularly described as Lot 8 of Seaside Terrace, platted in Plat #H82-101	4.6700	HAK # 1031603 unleased unleased unleased	Michael and Deborah Russ Norman E. Seitz & Linda L. Seitz (H&W) Basil S Bolstridge Gaylord O. Smith and Luella Smith	48.00% 50.00% 1.00% 1.00%	12.500%			Hilcorp Alaska, LLC	100.00%
105	T1N-R13W Section 33: A part of Government Lots 3 and 4 and SE/4SE/4 lying west of the Sterling Highway more particularly described as Lot 9 of Seaside Terrace, platted in Plat #H82-101	5.2800	HAK # 1031603 unleased unleased unleased	Michael and Deborah Russ Kallie R. Mousaw Basil S Bolstridge Gaylord O. Smith and Luella Smith	48.00% 50.00% 1.00% 1.00%	12.500%			Hilcorp Alaska, LLC	100.00%
106	T1N-R13W Section 33: A part of Government Lots 3 and 4 and SE/4SE/4 lying west of the Sterling Highway more particularly described as Lot 10 of Seaside Terrace, platted in Plat #H82-101 and the minerals underlying Seaside Court	2.5700	HAK # 1031603 unleased unleased unleased	Michael and Deborah Russ Kenneth W. Battley Patrick M. Davis Basil S Bolstridge Gaylord O. Smith and Luella Smith	48.00% 33.33% 16.67% 1.00% 1.00%	12.500%			Hilcorp Alaska, LLC	100.00%
107	T1N-R13W Section 33: A part of Government Lots 3 and 4 and SE/4SE/4 lying west of the Sterling Highway more particularly described as Lot 11 of Seaside Terrace, platted in Plat #H82-101	2.5400	HAK # 591266 HAK # 1031603 unleased unleased	James E. and Susan E. Troutman Michael and Deborah Russ Basil S Bolstridge Gaylord O. Smith and Luella Smith	50.00% 48.00% 1.00% 1.00%	12.500% 12.500%			Hilcorp Alaska, LLC	100.00%
108	T1N-R13W Section 33: A part of Government Lots 3 and 4 and SE/4SE/4 lying west of the Sterling Highway more particularly described as Lot 12 of Seaside Terrace, platted in Plat #H82-101	2.5100	HAK # 1031603 unleased unleased unleased	Michael and Deborah Russ Warren S. Togni and Pat C. Togni Basil S Bolstridge Gaylord O. Smith and Luella Smith	48.00% 50.00% 1.00% 1.00%	12.500%			Hilcorp Alaska, LLC	100.00%

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109	T1N-R13W Section 33: A part of Government Lots 3 and 4 and SE/4SE/4 lying west of the Sterling Highway more particularly described as Lot 13 of Seaside Terrace, platted in Plat #H82-101	2.1300	HAK # 591270 HAK # 1031603 unleased unleased	Robert and Susan Hundredmark Michael and Deborah Russ Basil S Bolstridge Gaylord O. Smith and Luella Smith	50.00% 48.00% 1.00% 1.00%	12.500% 12.500%			Hilcorp Alaska, LLC	100.00%
110	T1N-R13W Section 33: A part of Government Lots 3 and 4 and SE/4SE/4 lying west of the Sterling Highway more particularly described as Lot 14 of Seaside Terrace, platted in Plat #H82-101	1.8700	HAK # 1031603 unleased unleased unleased	Michael and Deborah Russ Francis D. Walter and Sheryl M. Walter Basil S Bolstridge Gaylord O. Smith and Luella Smith	48.00% 50.00% 1.00% 1.00%	12.500%			Hilcorp Alaska, LLC	100.00%
111	T1N-R13W Section 33: A part of Government Lots 3 and 4 and SE/4SE/4 lying west of the Sterling Highway more particularly described as Lots 15 & 16 of Seaside Terrace, platted in Plat #H82-101	5.3000	HAK # 1031603 HAK # 1033554 unleased unleased	Michael and Deborah Russ Ann Van Dorn Musarra and Charles A. Musarra Basil S Bolstridge Gaylord O. Smith and Luella Smith	48.00% 50.00% 1.00% 1.00%	12.500% 12.500%			Hilcorp Alaska, LLC	100.00%
112A	T1N-R13W Section 33: A part of Government Lots 3 and 4 and SE/4SE/4 lying west of the Sterling Highway more particularly described as Lot 19 of Seaside Terrace, platted in Plat #H82-101	3.0100	HAK # 591300 HAK # 1031603 unleased unleased unleased	Don L. McDaniel Michael and Deborah Russ Michael E. Bennett Basil S Bolstridge Gaylord O. Smith and Luella Smith	25.00% 48.00% 25.00% 1.00% 1.00%	12.500% 12.500%			Hilcorp Alaska, LLC	100.00%
112B	T1N-R13W Section 33: A part of Government Lots 3 and 4 and SE/4SE/4 lying west of the Sterling Highway more particularly described as Lot 18 of Seaside Terrace, platted in Plat #H82-101	2.9140	HAK # 591299 HAK # 1031603 unleased unleased	Steve Cavitt Michael and Deborah Russ Basil S Bolstridge Gaylord O. Smith and Luella Smith	50.00% 48.00% 1.00% 1.00%	12.500% 12.500%			Hilcorp Alaska, LLC	100.00%

Tract	Tract Legal Description	Tract Acreage	Lease #	Mineral Owner	Mineral Interest	Royalty Percent	ORRI Owner	ORRI Percent	Working Interest Ownership	Working Interest Owner %
112C	T1N-R13W Section 33: A part of Government Lots 3 and 4 and SE/4SE/4 lying west of the Sterling Highway more particularly described as Lot 17 of Seaside Terrace, platted in Plat #H82-101	3.4800	HAK # 1031603 unleased unleased unleased	Michael and Deborah Russ Jennifer J. Hood-Bosch Basil S Bolstridge Gaylord O. Smith and Luella Smith	48.00% 50.00% 1.00% 1.00%	12.500% 			Hilcorp Alaska, LLC	100.00%
113	T1N-R13W Section 33: A part of Government Lots 3 and 4 and SE/4SE/4 lying west of the Sterling Highway more particularly described as Lot 20 of Seaside Terrace, platted in Plat #H82-101	2.4800	HAK # 1031603 unleased unleased unleased	Michael and Deborah Russ Whitehead Revocable Living Trust Basil S Bolstridge Gaylord O. Smith and Luella Smith	48.00% 50.00% 1.00% 1.00%	12.500% 			Hilcorp Alaska, LLC	100.00%
114	T1N-R13W Section 33: A part of Government Lots 3 and 4 and SE/4SE/4 lying west of the Sterling Highway more particularly described as Lot 21 of Seaside Terrace, platted in Plat #H82-101	3.8600	HAK # 591300 HAK # 1031603 unleased unleased unleased	Don L. McDaniel Michael and Deborah Russ Michael E. Bennett Basil S Bolstridge Gaylord O. Smith and Luella Smith	25.00% 48.00% 25.00% 1.00% 1.00%	12.500% 12.500% 			Hilcorp Alaska, LLC	100.00%
115	T1N-R13W Section 34: NE/4NW/4	40.0000	HAK # 1031619 HAK # 1031619 HAK # 1031620 HAK # 1031621 unleased unleased unleased	Richard M. Hawkins-Mary Hawkins Estate Charles F. Hawkins-Mary Hawkins Estate Richard M. Hawkins Charles F. Hawkins Ian Hawkins, deceased James Hawkins Marguerite Hawkins	41.20% 33.80% 4.69% 5.31% 5.00% 5.00% 5.00%	12.500% 12.500% 12.500% 12.500% 			Hilcorp Alaska, LLC	100.00%
116	T1S-R13W Section 4: Lot 4	40.0400	HAK # 1035744	Thomas H. and Carol Ann Jackson	100.00%	12.500%			Hilcorp Alaska, LLC	100.00%
117	T1S-R13W Section 5: That part of Government Lot 2 lying east of the Sterling Highway	0.6800	HAK # 591297	Susanne Faye Windeler	100.00%	12.500%			Hilcorp Alaska, LLC	100.00%

Tract	Tract Legal Description	Tract Acres	Lease #	Mineral Owner	Mineral Interest	Royalty Percent	ORRI Owner	ORRI Percent	Working Interest Ownership	Working Interest Owner %
118	T1S-R13W Section 5: A part of Government Lot 2 more particularly described as Lots 1 & 17 of Sunset Bluffs Subdivision as platted in Plat #H-79-5	2.0800	HAK # 1031351	Richard L. and Juanita J. Millett	100.000%	12.500%			Hilcorp Alaska, LLC	100.00%
119	T1S-R13W Section 5: A part of Government Lot 2 more particularly described as Lot 2 of Sunset Bluffs Subdivision as platted in Plat #H-79-5	1.5800	HAK # 591314	Robert D. and Linda L. Steinke, h/w	100.000%	12.500%			Hilcorp Alaska, LLC	100.00%
120	T1S-R13W Section 5: A part of Government Lot 2 more particularly described as Lot 3 of Sunset Bluffs Subdivision as platted in Plat #H-79-5	1.9900	HAK # 1033543	Arthur E. Decker, Jr. and Karen D. Decker	100.000%	12.500%			Hilcorp Alaska, LLC	100.00%
121	T1S-R13W Section 5: A part of Government Lot 2 more particularly described as Lot 4 of Sunset Bluffs Subdivision as platted in Plat #H-79-5	2.3000	HAK # 1031351	Richard L. and Juanita J. Millett	100.000%	12.500%			Hilcorp Alaska, LLC	100.00%
122	T1S-R13W Section 5: A part of Government Lot 2 more particularly described as Lot 5 of Sunset Bluffs Subdivision as platted in Plat #H-79-5	2.3700	HAK # 591242 HAK # 591247	Kathleen M. Kennedy Donald L. Erwin	50.00% 50.00%	12.500% 12.500%			Hilcorp Alaska, LLC	100.00%
123	T1S-R13W Section 5: A part of Government Lot 2 more particularly described as Lot 6 of Sunset Bluffs Subdivision as platted in Plat #H-79-5	3.0600	HAK # 1031351 HAK # 1033543	Richard L. and Juanita J. Millett Arthur T. Maze	50.00% 50.00%	12.500% 12.500%			Hilcorp Alaska, LLC	100.00%
124	T1S-R13W Section 5: A part of Government Lot 2 more particularly described as Lot 7 of Sunset Bluffs Subdivision as platted in Plat #H-79-5	2.0800	HAK # 1031351	Richard L. and Juanita J. Millett	100.000%	12.500%			Hilcorp Alaska, LLC	100.00%
125	T1S-R13W Section 5: A part of Government Lot 2 more particularly described as Lots 8, 9, 10 and 11 of Sunset Bluffs Subdivision as platted in Plat #H-79-5 and that part of Government Lot 2 lying under the roadbed of Sunset Drive	14.7288	HAK # 1031351 HAK # 1033543	Richard L. and Juanita J. Millett Arthur T. Maze	50.00% 50.00%	12.500% 12.500%			Hilcorp Alaska, LLC	100.00%
126	T1S-R13W Section 5: A part of Government Lot 2 more particularly described as Lot 12 of Sunset Bluffs Subdivision as platted in Plat #H-79-5	1.1700	HAK # 591274	John D. Inman and Dee Ann Inman	100.000%	12.500%			Hilcorp Alaska, LLC	100.00%

Tract	Tract Legal Description	Tract Acreage	Lease #	Mineral Owner	Mineral Interest	Royalty Percent	ORRI Owner	ORRI Percent	Working Interest Ownership	Working Interest Owner %
127	T1S-R13W Section 5: A part of Government Lot 2 more particularly described as Lot 13 and 14 of Sunset Bluffs Subdivision as platted in Plat #H-79-5	2.0700	HAK # 1031351 HAK # 1033543	Richard L. and Juanita J. Millett Arthur T. Maze	100.00% 50.00%	12.500% 12.500%			Hilcorp Alaska, LLC	100.00%
128	T1S-R13W Section 5: A part of Government Lot 2 more particularly described as Lot 15 of Sunset Bluffs Subdivision as platted in Plat #H-79-5	1.0300	HAK # 1031637	Lawrence Allen	100.00%	12.500%			Hilcorp Alaska, LLC	100.00%
129	T1S-R13W Section 5: A part of Government Lot 2 more particularly described as Lot 16 of Sunset Bluffs Subdivision as platted in Plat #H-79-5	1.0000	HAK # 1031351 HAK # 1033543	Richard L. and Juanita J. Millett Arthur T. Maze	50.00% 50.00%	12.500% 12.500%			Hilcorp Alaska, LLC	100.00%
130	T1S-R13W Section 5: Lot 1 of Block 1 of Windeler Subdivision, Plat 74-1526	1.0200	HAK # 1035744	Leon A. Windeler Heirs	100.00%	12.500%			Hilcorp Alaska, LLC	100.00%
130A	T1S-R13W Section 5: the mineral rights underlying that part of the Sterling Highway, the Leon Windeler Highway and Persons Drive, in so far as those roads lie within the Windeler Subdivision, Plat # 74-1526	9.2210	unleased	Leon A. Windeler Heirs	100.00%					
131	T1S-R13W Section 5: That part of Government Lot 2 lying under the roadbed of the Sterling Highway	4.1495	HAK # 591297	Susanne Faye Windeler	100.00%	12.500%			Hilcorp Alaska, LLC	100.00%
132	T1S-R13W Section 5: That part of Government Lot 1 described as Tract A of Windeler Subdivision, Plat #74-1526	29.6000	HAK # 1035745	Jack A. Windeler	100.00%	12.500%			Hilcorp Alaska, LLC	100.00%
132A	T1S-R13W Section 5: All of the SE/4NE/4	40.0000	HAK # 1035747 HAK # 1035747 unleased unleased	Honora Windeler Drew Susanne Faye Windeler Ronald Ord Windeler Susanne Faye Windeler (2)	25.00% 25.00% 25.00% 25.00%	12.500% 12.500%			Hilcorp Alaska, LLC	100.00%
133	T1S-R13W Section 5: Lot 2 of Block 1 of Windeler Subdivision, Plat 74-1526	1.2090	HAK # 1035745	Ronald Ord Windeler	100.00%	12.500%			Hilcorp Alaska, LLC	100.00%

Tract	Tract Legal Description	Tract Acreage	Lease #	Mineral Owner	Mineral Interest	Royalty Percent	ORRI Owner	ORRI Percent	Working Interest Ownership	Working Interest Owner %
134	T1S-R13W Section 5: That part of Government Lot 2 more particularly described as Block 2, Lot 1 of Windeler Subdivision as platted in Plat #H- 74-1526	3.0520	HAK # 1035746	Honora Windeler Drew	100.000%	12.500%			Hilcorp Alaska, LLC	100.00%
135	T1S-R13W Section 5: Government Lots 3 and 4 and NE/4SW/4	126.6300	HAK # 1031609	Wayne and Irene Findley	100.000%	16.670%			Hilcorp Alaska, LLC	100.00%
136	T1S-R13W Section 5: A part of the SW/4NE/4 more particularly described as Lots 1, 3, 5, 6, 9, 15, 16, 17, and 18 of Bud's Acres Subdivision as platted in Plat #H85-69 and the NW/4SE/4 and the NE/4SE/4 a/d/4 Tract A and B, respectively, of Herman Tracts Subdivision as platted in Plat #H-95-36 including the minerals under the Sterling Highway and Bonnard Circle, Fellin Lane and Herman Drive in so far as they lie within SW/4NE/4 & N/2SE/4	104.6300	HAK # 1031622	Clarence Eugene Herman	100.000%	12.500%			Hilcorp Alaska, LLC	100.00%
136A	T1S-R13W Section 5: Lots 11 & 12 of Bud's Acres Subdivision as platted in plat #H-85-69	2.8100	HAK # 1031622	James C. and Kay E. Forrest	100.000%	12.500%			Hilcorp Alaska, LLC	100.00%
136B	T1S-R13W Section 5: Lot 10 of Bud's Acres Subdivision as platted in plat #H-85-69	1.5700	HAK # 1031622	Mark S. and LeAnne Herman (H&W)	100.000%	12.500%			Hilcorp Alaska, LLC	100.00%
136C	T1S-R13W Section 5: Lots 13 & 14 of Bud's Acres Subdivision as platted in plat #H-85-69	3.4900	HAK # 1031622	Ed J. and Jean F. Adamson (H&W)	100.000%	12.500%			Hilcorp Alaska, LLC	100.00%
137	T1S-R13W Section 5: A part of the SW/4NE/4 more particularly described as Lot 2 of Bud's Acres Subdivision as platted in Plat #H85-69	2.0000	HAK # 1031634	Earl Bearden	100.000%	12.500%			Hilcorp Alaska, LLC	100.00%
138	T1S-R13W Section 5: A part of the SW/4NE/4 more particularly described as Lot 4 of Bud's Acres Subdivision as platted in Plat #H85-69	2.2020	HAK # 1031635	Clarence Eugene Herman	100.000%	12.500%			Hilcorp Alaska, LLC	100.00%

Tract	Tract Legal Description	Tract Acres	Lease #	Mineral Owner	Mineral Interest	Royalty Percent	ORRI Owner	ORRI Percent	Working Interest Ownership	Working Interest Owner %
139	T1S-R13W Section 5: A part of the SW/4NE/4 more particularly described as Lot 7 of Bud's Acres Subdivision as platted in Plat #H85-69	1.2910	HAK # 1031635	Clarence Eugene Herman	100.00%	12.500%			Hilcorp Alaska, LLC	100.00%
140	T1S-R13W Section 5: A part of the SW/4NE/4 more particularly described as Lot 8 of Bud's Acres Subdivision as platted in Plat #H85-69	1.2560	HAK # 591292 unleased	Stephen Vaneck, Jr. and Monica J. Vaneck Scott and Karen Bennett (H&W)	50.00% 50.00%	12.500%			Hilcorp Alaska, LLC	100.00%
141	T1S-R13W Section 5: N/2NW/4SW/4SW/4 less the west 132' thereof	4.0000	unleased unleased unleased	Evelyn Terry McLaughlin Patricia Terry Lodge Lila Terry Hanson	50.00% 33.33% 16.67%					
141A	T1S-R13W Section 5: The west 132' of the N/2NW/4SW/4SW/4	1.0000	unleased	James C. Sanders	100.00%					
142	T1S-R13W Section 5: S/2SW/4SW/4 & NE/4SW/4SW/4 & S/2NW/4SW/4SW/4	35.0000	HAK # 1030482 HAK # 1030482	Paul Dionne Susan Dionne - Kaffke	50.00% 50.00%	16.670% 16.670%	Intrepid Production Company	5.333330%	Hilcorp Alaska, LLC	100.00%
143	T1S-R13W Section 5: SE/4SW/4	40.0000	unleased	Henry George Gain and Flora Eugenia Gain	100.00%					
144	T1S-R13W Section 6: Lot 1	10.0600	HAK # 1031610	Bea and Andrew Bachner	100.00%	12.500%			Hilcorp Alaska, LLC	100.00%
145	T1S-R13W Section 6: Lot 2	49.5200	HAK # 1030482 HAK # 1030482	Paul Dionne Susan Dionne - Kaffke	50.00% 50.00%	16.670% 16.670%	Intrepid Production Company Hardy Hutto	3.333330% 2.000000%	Hilcorp Alaska, LLC	100.00%
146	T1S-R13W Section 7: NE/4NE/4	40.0000	HAK # 1030482 HAK # 1030482	Paul Dionne Susan Dionne - Kaffke	50.00% 50.00%	16.670% 16.670%	Intrepid Production Company	5.333330%	Hilcorp Alaska, LLC	100.00%

Tract	Tract Legal Description	Tract Acreage	Lease #	Mineral Owner	Mineral Interest	Royalty Percent	ORRI Owner	ORRI Percent	Working Interest Ownership	Working Interest Owner %
147	T1S-R13W Section 7: SE/4NE/4	40.0000	HAK # 833999 HAK # 835362 HAK # 1031353 HAK # 1031354 HAK # 1031355	David Ray Reaves and Sherry Ann Reaves Carl W. and Linda E. Kinkead Paul Joseph Rochon Estate Linda Marie McCool Ward Randall Grilley	20.00%	12.500%			Hilcorp Alaska, LLC	100.00%
148	T1S-R13W Section 7: That part of the NE/4SW/4 more particularly described as Lot 1 of Tieman Subdivision as platted in Plat #H-85-129	8.7240	HAK # 1030708 HAK # 1030708	James R. Sabrowski and Susanne E. Sabrowski Leonard & Juanita Sabrowski Revocable Living Trust	50.00% 50.00%	12.500% 12.500%			Hilcorp Alaska, LLC	100.00%
149	T 1S - R 13W Section 7: , Township 1 South, Range 13 West, S.M., Alaska, All of the NE/4SW/4 Except Lot 1 of Tieman Subdivision, Plat No 85-129, Homer Recording District, and Except that portion of E/2E/2NE/4SW/4, Plat No. 86-16 BS, lying north of Sterling Highway	23.5500	HAK # 591294	Forgetmenot, LLC	100.00%	12.500%			Hilcorp Alaska, LLC	100.00%
150	T1S-R13W Section 7: That part of the NE/4SW/4 more particularly described as Lot 3 of Tieman Subdivision as platted in Plat #H-85-129 a/d/a E/2NE/4NE/4SW/4 and that part of the E/2SE/4NE/4SW/4 lying north of the northerly right of way of the Sterling Highway.	10.5400	HAK # 830117	Boyd Daniel Leman	100.00%	12.500%			Hilcorp Alaska, LLC	100.00%
151	T1S-R13W Section 7: That part of the NW/4SE/4 lying north of the Sterling Highway, less and except that part described as Lot 1 of Aurora Vista Subdivision platted in Plat #H-96-13	22.0920	HAK # 591210 AKA # KPB #12- 0816-00	Kenai Peninsula Borough	100.00%	12.500%			Hilcorp Alaska, LLC	100.00%

Tract	Tract Legal Description	Tract Acres	Lease #	Mineral Owner	Mineral Interest	Royalty Percent	ORRI Owner	ORRI Percent	Working Interest Ownership	Working Interest Owner %
152	T1S-R13W Section 7: That part of the NW/4SE/4 lying north of the Sterling Highway more particularly described as Lot 1 of Aurora Vista Subdivision in Plat #H-96-13	1.2900	HAK # 591302	Aurora Communications International, Inc.	100.00%	12.500%			Hilcorp Alaska, LLC	100.00%
153	T1S-R13W Section 7: That part of the NW/4SE/4 lying south of the Sterling Highway	7.1510	HAK # 591307 HAK # 591308	Kathleen McConnell Jeanne Potter	66.67% 33.33%	12.500% 12.500%			Hilcorp Alaska, LLC	100.00%
154	T1S-R13W Section 7: That part of the NE/4SE/4 lying north of the Sterling Highway	8.0000	HAK # 591304	Donald Pinnow	100.00%	12.500%			Hilcorp Alaska, LLC	100.00%
155	T1S-R13W Section 7: That part of the NE/4SE/4 lying south of the Sterling Highway	27.0000	unleased	Shirley J. Provence	100.00%					
156	T1S-R13W Section 7 The SE/4SW/4 and the SW/4SE/4 Except Lots 41 and 42 of Summerset Acres Subdivision, Plat No. 86-45, Homer Recording District;	77.4500	HAK # 591294	Forgetmenot, LLC	100.00%	12.500%			Hilcorp Alaska, LLC	100.00%
156A	T1S-R13W Section 7: Lots 41 & 42 of Summerset Acres Subdivision (plat #H86-45)	2.5400	unleased	Michael Walsh	100.00%					
157	T1S-R13W Section 8: N/2NW/4	80.0000	unleased	Henry George Gain and Flora Eugenia Gain	100.00%					
158	T1S-R13W Section 8: That part of the SW/4NW/4 lying west of the Sterling Highway a/d/a Lots 5 & 6 of the E. Mounts Subdivision as platted in plat #H-81-23	17.8850	HAK # 833999 HAK # 835362 HAK # 1031353 HAK # 1031354 HAK # 1031355	David Ray Reaves and Sherry Ann Reaves Carl W. and Linda E. Kinkhead Paul Joseph Rochon Estate Linda Marie McCool Ward Randall Grilley	20.00% 20.00% 20.00% 20.00% 20.00%	12.500% 12.500% 12.500% 12.500% 12.500%			Hilcorp Alaska, LLC	100.00%
159	T1S-R13W Section 8: All of the SW/4NW/4 lying east of the Sterling Highway a/d/a Lots 1, 2, 3 & 4 of E. Mounts Subdivision as platted in plat #H- 81-23	22.1150	HAK # 1031352	Carolyn O. Reifsnnyder	100.00%	12.500%			Hilcorp Alaska, LLC	100.00%

Tract	Tract Legal Description	Tract Acreage	Lease #	Mineral Owner	Mineral Interest	Royalty Percent	ORRI Owner	ORRI Percent	Working Interest Ownership	Working Interest Owner %
160	T1S-R13W Section 8: NW/4SW/4	40.0000	HAK # 1029943	Elizabeth Quick	100.000%	12.500%			Hilcorp Alaska, LLC	100.00%
161	T1S-R13W Section 18: NE/4NW/4	40.0000	HAK # 591294	Forgetmenot, LLC	100.000%	12.500%			Hilcorp Alaska, LLC	100.00%
162	T1S-R14W Section 12: Lot 2	35.9800	HAK # 1035970 HAK # 1035971 HAK # 1035972 HAK # 1035973 HAK # 1035974	James B. and Patricia Webster Charles E. Gates George A. and Patricia Gates Robert L. and Carol A. Wilson L.R. and Katherine Lunne	20.00% 20.00% 20.00% 20.00% 20.00%	12.500% 12.500% 12.500% 12.500% 12.500%			Hilcorp Alaska, LLC	100.00%
163	T1S-R14W Section 13: Lot 1	33.2100	HAK # 1035970 HAK # 1035971 HAK # 1035972 HAK # 1035973 HAK # 1035974	James B. and Patricia Webster Charles E. Gates George A. and Patricia Gates Robert L. and Carol A. Wilson L.R. and Katherine Lunne	20.00% 20.00% 20.00% 20.00% 20.00%	12.500% 12.500% 12.500% 12.500% 12.500%			Hilcorp Alaska, LLC	100.00%
164	T1S-R14W Section 13: S/2SW/4	80.0000	HAK # 591296 unleased unleased unleased	George R. Maki, Jr. Darwin E. and Kaye A. Waldsmith Edward Lee Maki Gloria Ann Ropelato	8.33% 75.00% 8.33% 8.33%	12.500%			Hilcorp Alaska, LLC	100.00%
165	T1S-R14W Section 14: Tracts A & B and the north 6.34 acres of Tract C of the Heavenly Sights Subdivision (Plat #H-96-17) a/d/a GLO Lot 1	24.7200	HAK # 1031157 HAK # 1033038	Stephen Wackowski and Thomas Brady Cynthia L. Hatton	50.00% 50.00%	12.500% 12.500%			Hilcorp Alaska, LLC	100.00%
166	T1S-R14W Section 13: Tracts 1&2 of Catledge-Wilson Subdivision, Tract A, Plat #78-32	4.4200	HAK # 1031601 unleased	Carolee Pickett John D. McCombs and Deidre E. McCombs	25.00% 75.00%	12.500%			Hilcorp Alaska, LLC	100.00%

Tract	Tract Legal Description	Tract Acreage	Lease #	Mineral Owner	Mineral Interest	Royalty Percent	ORRI Owner	ORRI Percent	Working Interest Ownership	Working Interest Owner %
167	T1S-R14W Section 13: Tract 3 of Catledge-Wilson Subdivision, Tract A, Plat #78-32	1.9500	HAK # 1031050 HAK # 1031601	Thomas James and Deborah Ann Bandelow Carolee Pickett	75.00% 25.00%	12.500% 12.500%			Hilcorp Alaska, LLC	100.00%
168	T1S-R14W Section 13: Tracts 4, 5, 8 & 11 of Catledge- Wilson Subdivision, Tract A, Plat #78-32	4.3900	HAK # 1031396 HAK # 1031601	Gailan B. Johnson Carolee Pickett	75.00% 25.00%	12.500% 12.500%			Hilcorp Alaska, LLC	100.00%
169	T1S-R14W Section 13: Tracts 6 & 7 of Catledge-Wilson Subdivision, Tract A, Plat #78-32	2.2400	HAK # 1031196 HAK # 1031601	Robert Flygenring and Cheryl King Carolee Pickett	75.00% 25.00%	12.500% 12.500%			Hilcorp Alaska, LLC	100.00%
170	T1S-R14W Section 13: Tract 9 of Catledge-Wilson Subdivision, Tract A, Plat #78-32	1.0600	HAK # 1031601 unleased	Carolee Pickett Bobby J. & Selena G. Gordon	25.00% 75.00%	12.500%			Hilcorp Alaska, LLC	100.00%
171	T1S-R14W SM AK Section 13: Tract 10 of Leonard Catledge Subdivision, Wilson 1977 Subdivision, Tract A, Plat #78-32	1.0700	HAK # 1031087 HAK # 1031601	Michael Roy Smith Carolee Pickett	75.00% 25.00%	12.500% 12.500%			Hilcorp Alaska, LLC	100.00%
172	T1S-R14W Section 13: Tract 12 of Catledge-Wilson Subdivision, Tract A, Plat #78-32	2.7800	HAK # 1031601 unleased unleased	Carolee Pickett Gale R. Graham Gary Andes and Marna Andes	25.00% 37.50% 37.50%	12.500%			Hilcorp Alaska, LLC	100.00%
173	T1S-R14W Section 13: Minerals underlying streets and roads in Catledge-Wilson Subdivision, Tract A, Plat #78-32	3.1950	HAK # 591215 HAK # 1031601	Walter L. Wilson Carolee Pickett	75.00% 25.00%	12.500% 12.500%			Hilcorp Alaska, LLC	100.00%
173A	T1S-R14W Section 13: Tract 13 of Catledge-Wilson Subdivision, Tract A, Plat #78-32	1.4340	HAK # 1031085 HAK # 1031601	Paul E. Parsons, Jr. and Cindi L. Parsons Carolee Pickett	75.00% 25.00%	12.500% 12.500%			Hilcorp Alaska, LLC	100.00%
174	T1S-R14W Section 13: Tracts B&C of Catledge Subdivision, plat #74-2075	47.3490	HAK # 1031601 unleased	Carolee Pickett Darwin E. and Kaye A. Waldsmith	25.00% 75.00%	12.500%			Hilcorp Alaska, LLC	100.00%
175	T1S-R14W Section 13: Tract D of Catledge Subdivision, plat #74-2075	1.9900	HAK # 1031601	Carolee Pickett	100.00%	12.500%			Hilcorp Alaska, LLC	100.00%

Tract	Tract Legal Description	Tract Acreage	Lease #	Mineral Owner	Mineral Interest	Royalty Percent	ORRI Owner	ORRI Percent	Working Interest Ownership	Working Interest Owner %
176	T1S-R14W Section 13: That part of GLO Lot 2, SE/4NW4 further described as Lots 10, 11, 12, 13, 14, 15, 16, 17, 20, 21, 25, 26 and the Unsubdivided Remainder of Red Bluff Terrace, and excluding Lots 9, 18, 19, 22, 23 & 24 of Red Bluff Terrace Addition No. 2 (plat #H-2004-42)	24.6570	HAK # 1031601 HAK # 1033557 HAK # 51321000 HAK # 51322000	Carolee Pickett John L. and Nancy E. Stengl Darlene M. Rozak Judith Ballentine	25.00% 25.00% 25.00% 25.00%	12.500% 12.500% 12.500% 12.500%			Hilcorp Alaska, LLC	100.00%
176A	T1S-R14W Section 13: Lot 9 of Red Bluff Terrace Addition No. 2 (plat # H-2004-42)	1.0000	HAK # 1031601 HAK # 1033557 HAK # 51321000 HAK # 51322000	Carolee Pickett David M. and Jeanine B. Shea David M. and Jeanine B. Shea Judith Ballentine	25.00% 25.00% 25.00% 25.00%	12.500% 12.500% 12.500% 12.500%			Hilcorp Alaska, LLC	100.00%
176B	T1S-R14W Section 13 Lots: 22, 23 & 24 of Red Bluff Terrace Addition No. 2 (plat # H-2004-42)	3.0850	HAK # 1031601 HAK # 1033557 HAK # 51321000 HAK # 51322000	Carolee Pickett John L. and Nancy E. Stengl Theodore W. Rozak Living Trust Judith Ballentine	25.00% 25.00% 25.00% 25.00%	12.500% 12.500% 12.500% 12.500%			Hilcorp Alaska, LLC	100.00%
176C	T1S-R14W Section 13: Lots 18 & 19 of Red Bluff Terrace Addition No. 2 (plat # H-2004-42)	2.0000	HAK # 1031601 HAK # 1033557 HAK # 51321000 HAK # 51322000	Carolee Pickett John L. and Nancy E. Stengl Larry M. Rozak Judith Ballentine	25.00% 25.00% 25.00% 25.00%	12.500% 12.500% 12.500% 12.500%			Hilcorp Alaska, LLC	100.00%
177	T1S-R14W Section 13: Lot 6, Block 1, Red Bluff Terrace Subdivision Addition No. 1, Plat #86-58	1.0000	HAK # 1031601 HAK # 1033557 HAK # 51321000 HAK # 51322000	Carolee Pickett John L. and Nancy E. Stengl Darlene M. Rozak Judith Ballentine	25.00% 25.00% 25.00% 25.00%	12.500% 12.500% 12.500% 12.500%			Hilcorp Alaska, LLC	100.00%

Tract	Tract Legal Description	Tract Acreage	Lease #	Mineral Owner	Mineral Interest	Royalty Percent	ORRI Owner	ORRI Percent	Working Interest Ownership	Working Interest Owner %
178	T1S-R14W Section 13: Lot 3, Block 1, Red Bluff Terrace Subdivision Addition No. 1, Plat #86-58	1.0000	HAK # 1031601 HAK # 1033557 HAK # 51321000 HAK # 51322000	Carolee Pickett John L. and Nancy E. Stengl Darlene M. Rozak Judith Ballentine	25.00% 25.00% 25.00% 25.00%	12.500% 12.500% 12.500% 12.500%			Hilcorp Alaska, LLC	100.00%
179	T1S-R14W Section 13: Lot 2, Block 1, Red Bluff Terrace Subdivision Addition No. 1, Plat #86-58	1.0000	HAK # 1031601 unleased	Carolee Pickett David R. Kodysz and Jean R. Gregorich	25.00% 75.00%	12.500% 12.500%			Hilcorp Alaska, LLC	100.00%
180	T1S-R14W Section 13: Lot 2, Block 3, Red Bluff Terrace Subdivision, Plat #88-57	1.6300	HAK # 316 HAK # 1031601	Janet M. and Robert C. Clucas Carolee Pickett	75.00% 25.00%	12.500% 12.500%			Hilcorp Alaska, LLC	100.00%
181	T 1S - R 14W Section 13: Lot 3, Block 3, Red Bluff Terrace Subdivision, Plat #86-57	1.3000	HAK # 1031601 unleased	Carolee Pickett Michael S. and Cheryl B. Sutton	25.00% 75.00%	12.500% 12.500%			Hilcorp Alaska, LLC	100.00%
182	T1S-R14W Section 13: Lots 1, 4, 5, 7 & 8, Block 1, Red Bluff Terrace Subdivision Addition No. 1, Plat #86-58 & Lot 4, Block 2 Red Bluff Terrace Subdivision Plat #86-57	9.2500	HAK # 1031601 HAK # 1033557 HAK # 51321000 HAK # 51322000	Carolee Pickett John L. and Nancy E. Stengl Darlene M. Rozak Judith Ballentine	25.00% 25.00% 25.00% 25.00%	12.500% 12.500% 12.500% 12.500%			Hilcorp Alaska, LLC	100.00%
182A	T1S-R14W Section 13: Lot 1, Block 3, Red Bluff Terrace Subdivision Plat No. 86-57	2.6200	HAK # 1031601 HAK # 51321000 HAK # 51322000	Carolee Pickett Darlene M. Rozak Judith Ballentine	25.00% 50.00% 25.00%	12.500% 12.500% 12.500%			Hilcorp Alaska, LLC	100.00%
184	T1S-R14W, S.M., Alaska, according to Plat 2002-16, Homer Recording District, Third Judicial District, State of Alaska; and Pherson Acres No. 2, Tract B1, according to Plat 2002-16, Homer Recording District, Third Judicial District, State of Alaska; (Combined with prior Tracts 183 and 183A)	5.4240	HAK # 591301	Richard Lee & Jeannie Lou Johnson	100.00%	12.500%			Hilcorp Alaska, LLC	100.00%

Tract	Tract Legal Description	Tract Acres	Lease #	Mineral Owner	Mineral Interest	Royalty Percent	ORRI Owner	ORRI Percent	Working Interest Ownership	Working Interest Owner %
184A	T1S-R14W Section 13: Tract "A" of Phoson Acres Subdivision, plat #H-2001-19	5.5530	HAK # 51323000 unleased	Tim and Kristine Moerdine	75.00%	12.500%			Hilcorp Alaska, LLC	100.00%
185	T1S-R14W Section 13: State of Alaska Highway Project Number F-021-1(3), Parcel Number 0118, as more particularly described by metes and bounds in a warranty deed dated 6/26/64 from Leonard Lee Catledge et ux to the State of Alaska, recorded in Book 33, Page 226 of the Homer Recording District	12.2420	HAK # 1035905 ADL # 390105	State of Alaska, Department of Natural Resources	100.00%	12.500%			Hilcorp Alaska, LLC	100.00%
186	T1S-R14W Section 13: A 1.77 acre tract of land being State of Alaska Highway Project Number F- 021-1(3), Parcel Number 0118-A, as more particularly described by metes and bounds in a warranty deed dated 7/28/64 from Calvin C. Hartman et ux to the State of Alaska, recorded in book 34, page 121 of the Homer Recording District	1.7700	HAK # 1035905 ADL # 390105	State of Alaska, Department of Natural Resources	100.00%	12.500%			Hilcorp Alaska, LLC	100.00%
187	T2N-R12W Section 20: Fractional GLO Lots 1-4 inclusive & SE/4SE/4; Section 21: W/2NW/4; Section 29: Fractional NE/4NE/4 & GLO Lot 1	339.8600	HAK # 1031007 ADL # 389181	State of Alaska, Department of Natural Resources	100.00%	12.500%			Hilcorp Alaska, LLC	100.00%
188	T1N-R13W, S.M. Sec. 1: SE/4NE/4 & SE/4 & SE/4SW/4 Sec. 12: NE/4NW/4 & N/2NE/4, except that part lying above the line of mean high tide T1N-R12W, S.M. Sec. 6: W/2 except that part lying above the line of mean high tide	564.4500	HAK # 1034384 ADL # 590	State of Alaska, Department of Natural Resources	100.00%	12.500%	Hilcorp Alaska, LLC	3.250000%	Hilcorp Alaska, LLC	100.00%
189	T 1S - R 13W Section 7: That portion of the Sterling Highway Right-of-Way lying within the N/2SE/4 containing 19 acres, more or less.	19.0000	HAK # 591313	Avis Hardy	100.00%	12.500%			Hilcorp Alaska, LLC	100.00%

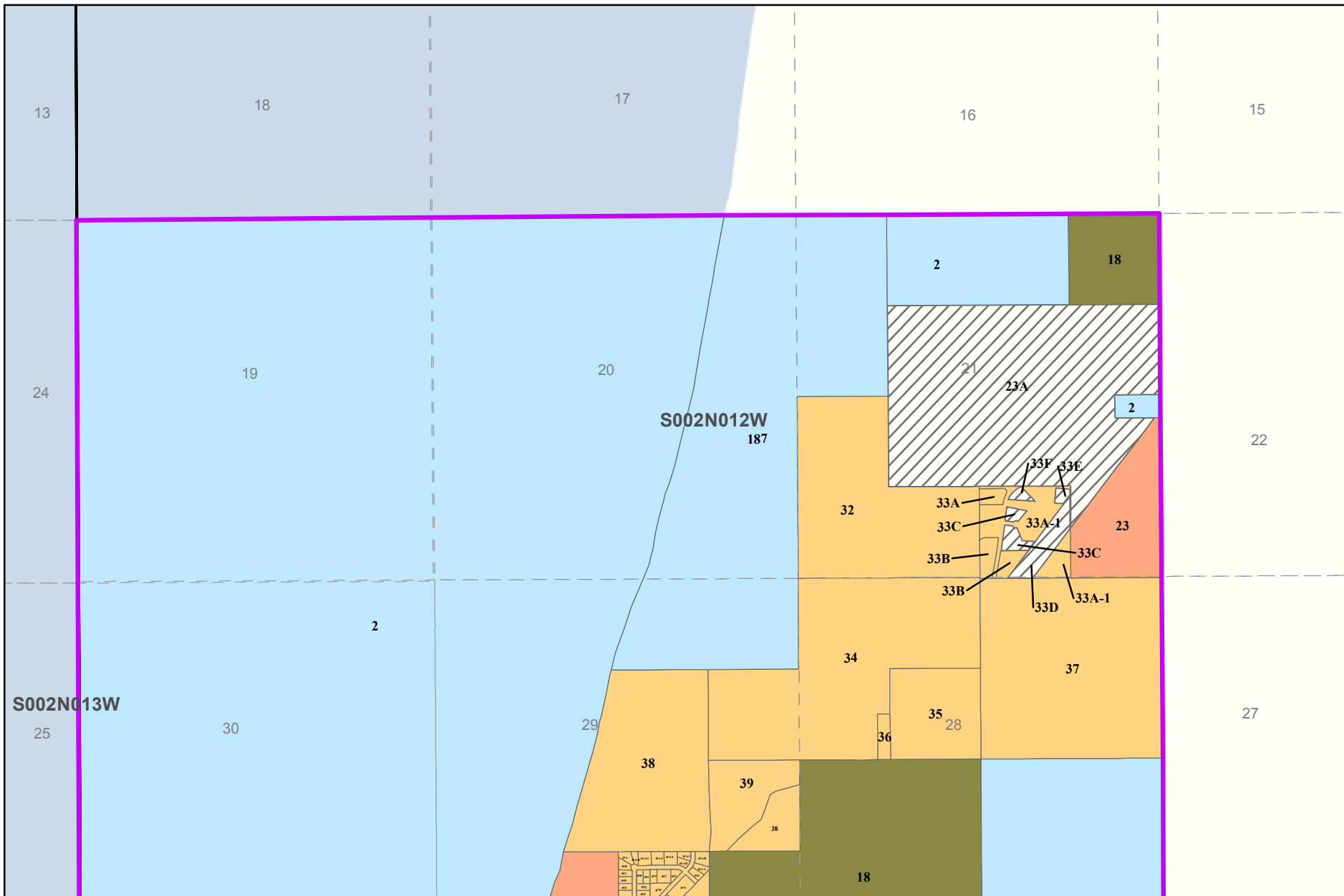
Tract	Tract Legal Description	Tract Acreage	Lease #	Mineral Owner	Mineral Interest	Royalty Percent	ORRI Owner	ORRI Percent	Working Interest Ownership	Working Interest Owner %
229	T1N-R12W, S.M. Section 7: A portion of the NW1/4NE1/4 lying east of the centerline of the Sterling Highway; more particularly described as Celia Subdivision, Plat No. 94-46, and all minerals underlying dedicated roads within the subdivision, excluding Tracts C-1A and C-1B of the Celia Subdivision, Addition #2, Plat No. 2012-53	24.7400	HAK # 591260	Penelope J. Maize	100.000%	12.500%			Hilcorp Alaska, LLC	0.00% 100.00%
230	T1N-R12W, S.M. Section 7: Tracts C-1A and C-1B of Celia Subdivision, Addition #2, Plat No. 2012-53	3.8540	HAK # 591236	James C. Kruse and Linda C. Kruse	100.000%	12.500%			Hilcorp Alaska, LLC	100.00%
		Total Unit Acreage							Working Interest Owner	Unit %
		25,919.7144							Uncommitted Hilcorp Alaska, LLC	2.21% 97.79%

**UNIT SUMMARY PAGE
NINILCHIK UNIT
KENAI PENINSULA BOROUGH, ALASKA
2016 Proposal**

The following summary page recapitulates unit acreage in the Ninilchik Unit by ownership class.

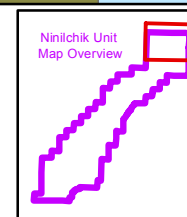
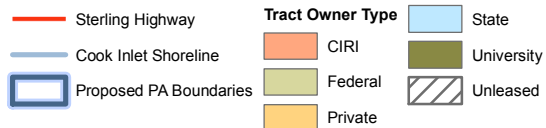
<u>LAND OWNERSHIP</u>	<u>NET ACRES</u>	<u>PERCENTAGE OF UNIT</u>
Federal Lands	232.90000	0.902517%
State of Alaska Lands	20,015.13200	77.561166%
University of Alaska Lands	661.35000	2.562815%
Cook Inlet Region, Inc. Lands	1,519.65000	5.888835%
Patented Fee Lands	<u>3,490.68240</u>	<u>13.084667%</u>
Unit Total	25,919.71440	100.00000%

ATTACHMENT 3:
Proposed Exhibit B - Proposed Ninilchik Unit (Maps)



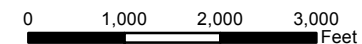
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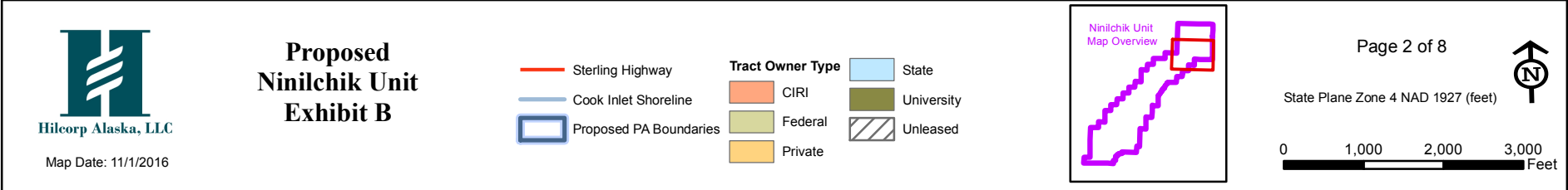
Proposed Ninilchik Unit Exhibit B

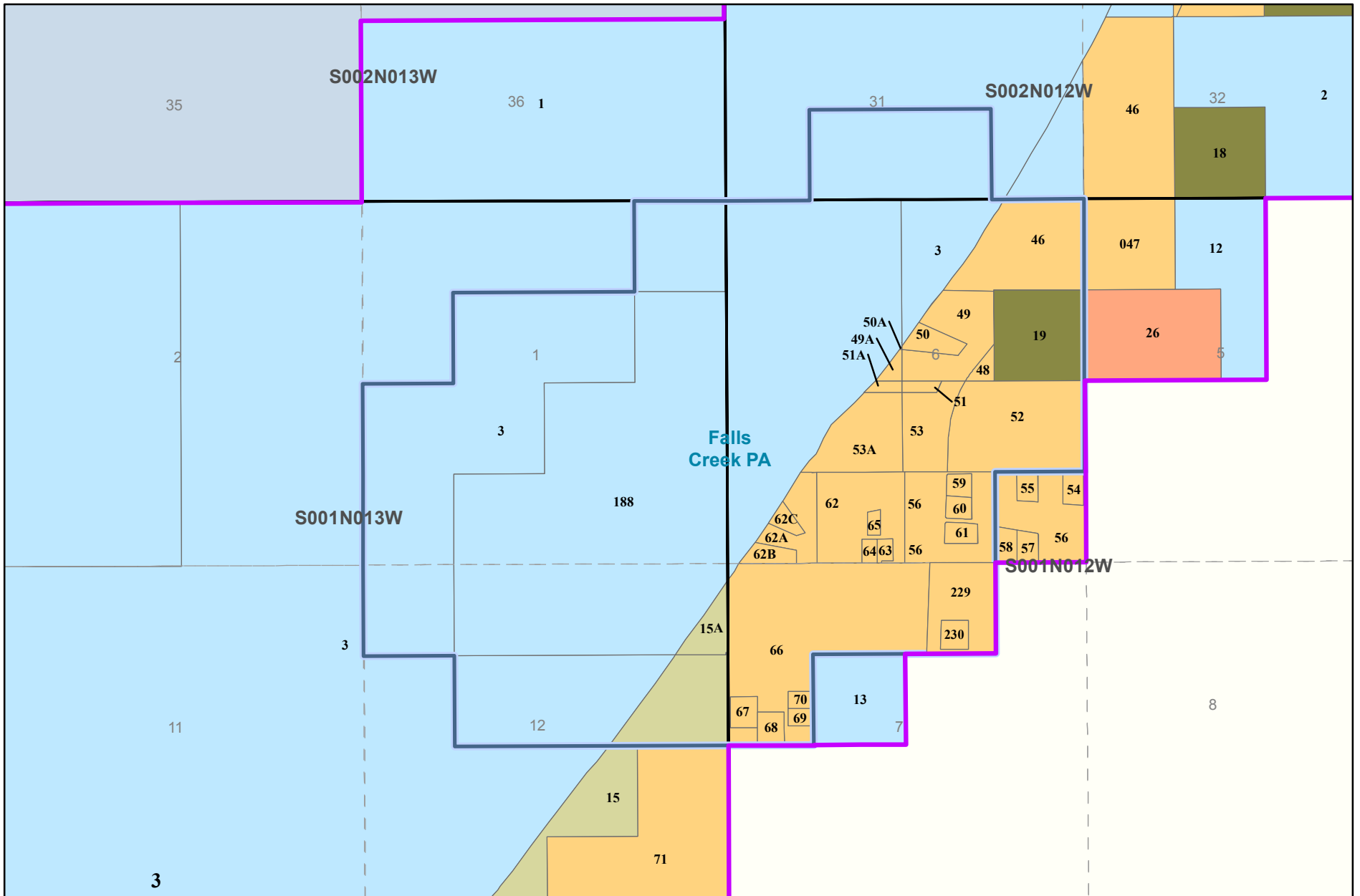


Page 1 of 8

State Plane Zone 4 NAD 1927 (feet)







Map Date: 11/1/2016

Proposed Ninilchik Unit Exhibit B

- Sterling Highway
- Cook Inlet Shoreline
- Proposed PA Boundaries

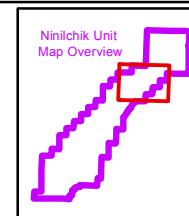
Tract Owner Type

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- Federal
- Private

State

University

Unleased

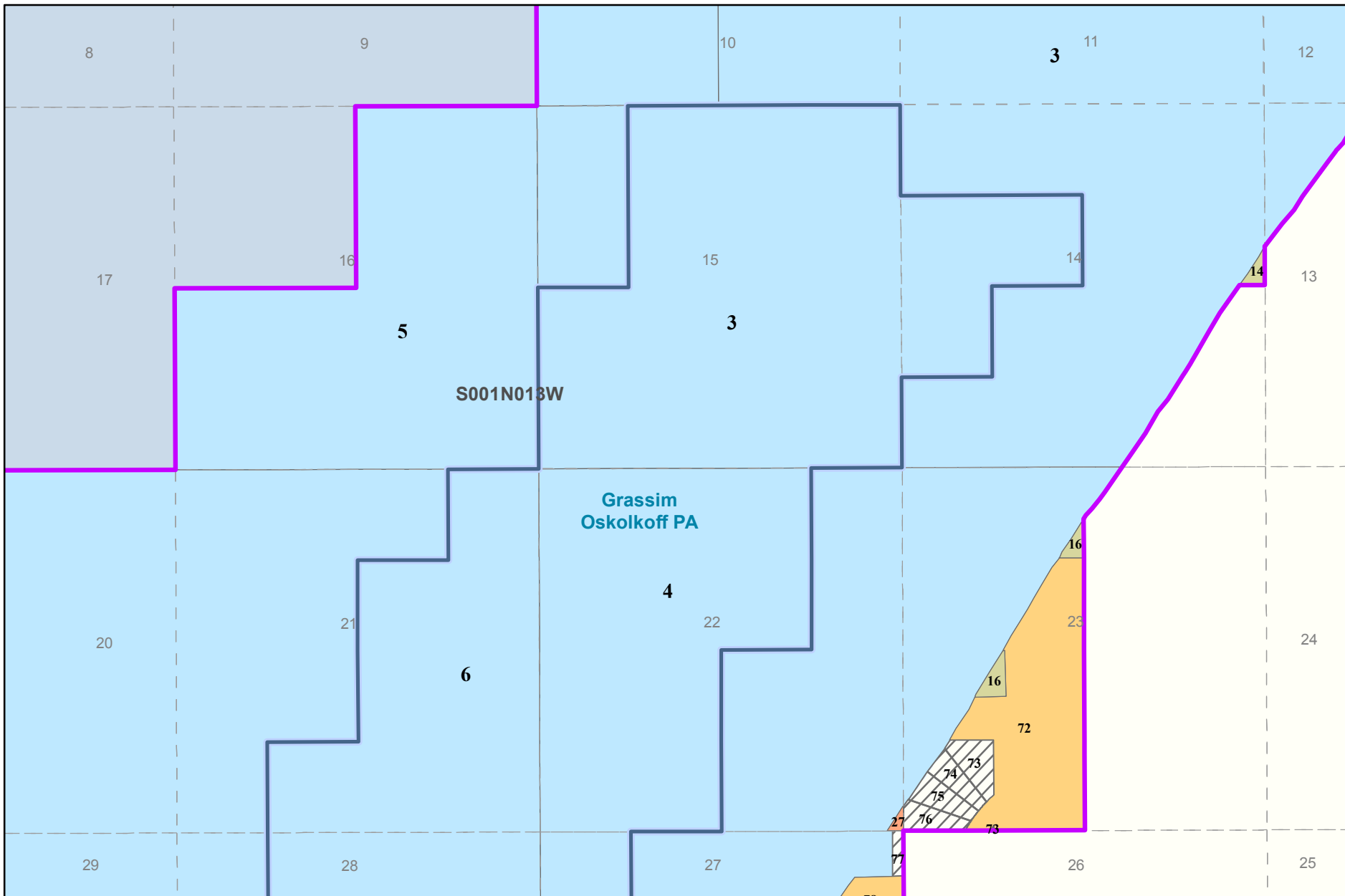


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State Plane Zone 4 NAD 1927 (feet)

0 1,000 2,000 3,000 Feet





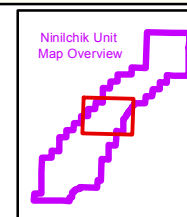
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Proposed Ninilchik Unit Exhibit B

- Sterling Highway
- Cook Inlet Shoreline
- Proposed PA Boundaries

Tract Owner Type

- CIRI
- Federal
- Private
- State
- University
- Unleased

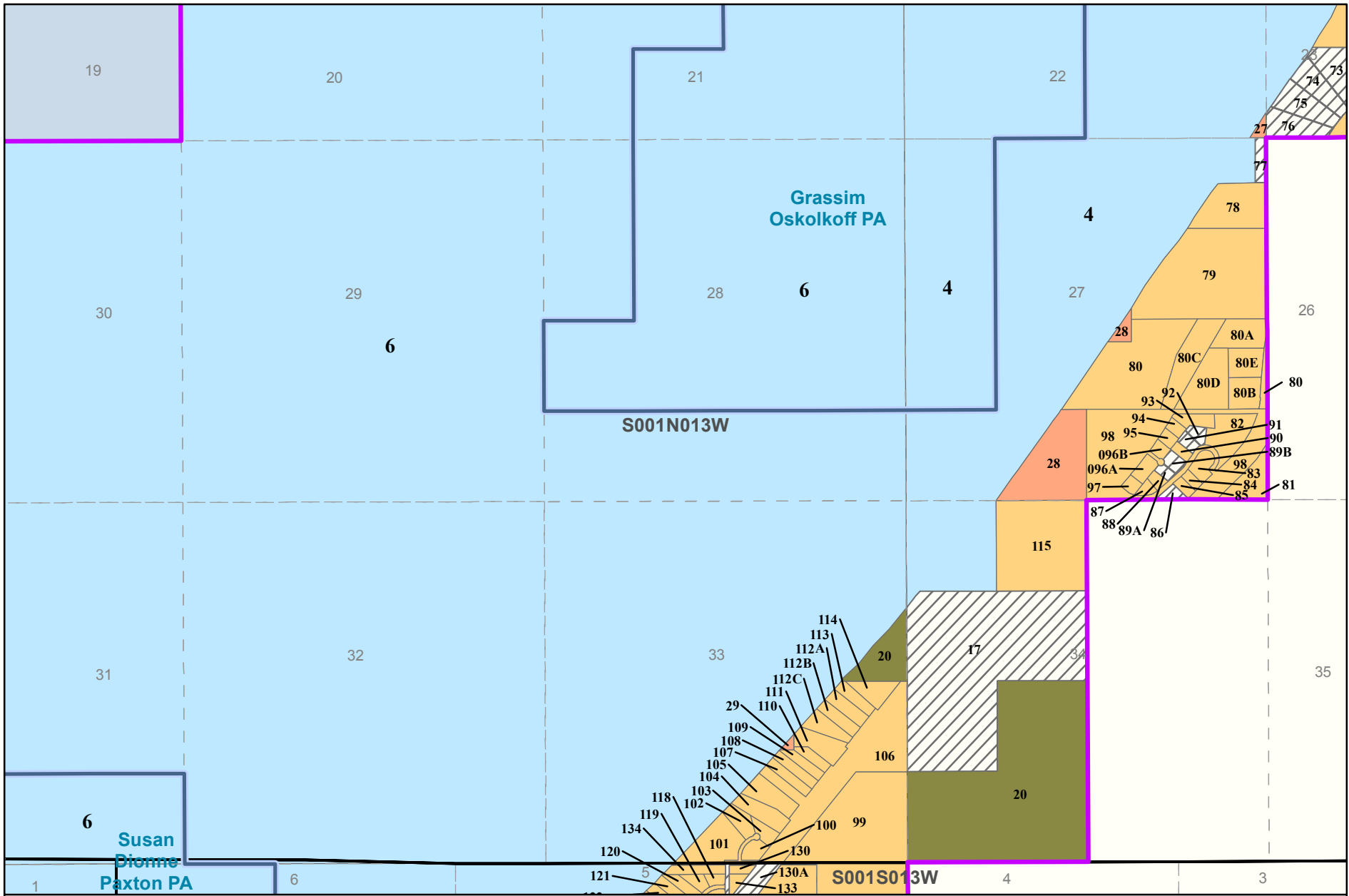


Page 5 of 8

State Plane Zone 4 NAD 1927 (feet)

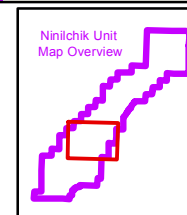
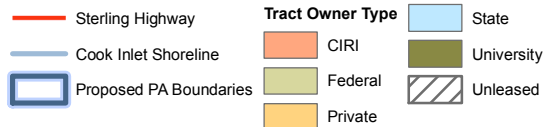
0 1,000 2,000 3,000 Feet





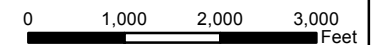
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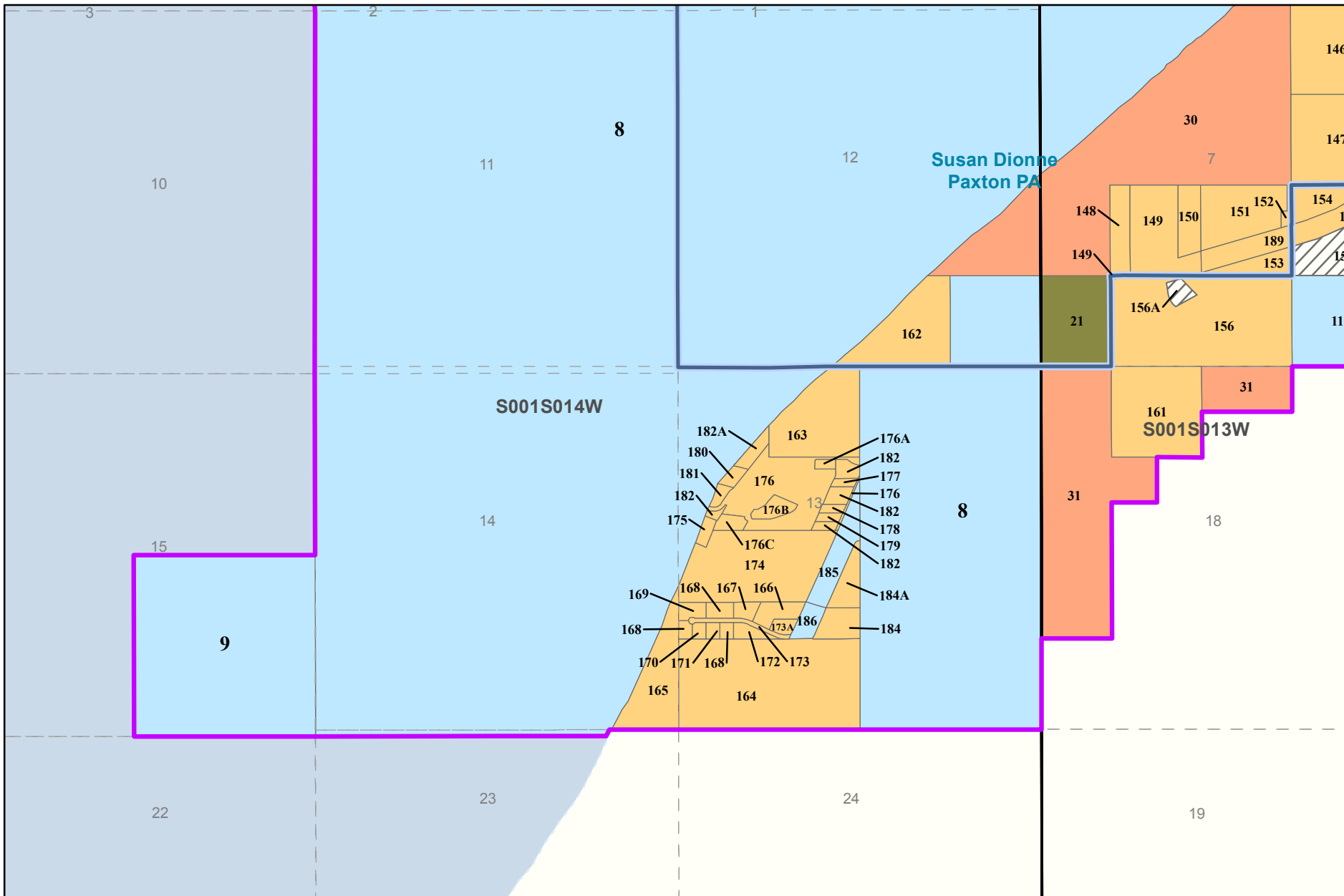
Proposed Ninilchik Unit Exhibit B



Page 6 of 8

State Plane Zone 4 NAD 1927 (feet)





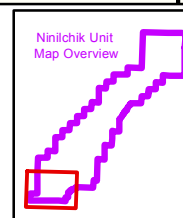
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Proposed Ninilchik Unit Exhibit B

- Sterling Highway
- Cook Inlet Shoreline
- Proposed PA Boundaries

Tract Owner Type

- CIRC
- Federal
- Private
- State
- University
- Unleased



Page 8 of 8

State Plane Zone 4 NAD 1927 (feet)

0 1,000 2,000 3,000 Feet



ATTACHMENT 4:
Ninilchik Unit Overview 2016 proposal map

