

Application for the 6th Expansion of the Milne Point Unit

by Hilcorp Alaska, LLC, as Unit Operator,

to the Alaska Department of Natural Resources, Division of Oil and Gas

Dated December 29, 2023

Supporting Documentation:

Exhibit “A”	Proposed Exhibit “A” Map to the MPU Agreement
Exhibit “B”	Proposed Exhibit “B” to the MPU Agreement
Attachment “A”	Statement in Support of the Expansion ((held confidential per AS 38.05.035(a)(8))

Application

Hilcorp Alaska, LLC (“Hilcorp Alaska”), as Owner and Operator of the Milne Point Unit (“MPU”), hereby submits for approval to the Alaska Department of Natural Resources, Division of Oil and Gas (“State”) this proposed 6th MPU Expansion (“Expansion”) application pursuant to 11 AAC 83.303, 11 AAC 83.356 and Section 2 of the MPU Agreement. The proposed Expansion area is covered by six leases, described below. The MPU Expansion would increase the MPU by approximately 13,275 acres. The Expansion area is shown on in Exhibit “A” and described in Exhibit “B”.

ADL 355017: (Tract 15)
Township 14N, Range 10E:
Section 27: N2, N2SW, SE
Section 28: NW, NWSE
consisting of 760 acres, more or less.

Sale 39, Form 17. This lease was initiated in 1983 and was brought into the Milne Point Unit in 1992. The Expansion would commit the entire lease to the MPU.

ADL 355018: (Tract 16)
Township 14N, Range 9E:
Section 27: W2W2, NENW
Section 34: W2, SWNE, W2SE, SESE
consisting of 680 acres, more or less.

Sale 39, Form 17. This lease was initiated in 1983 and was brought into the Milne Point Unit in 1992. The Expansion would commit the entire lease to the MPU.

ADL 355021: (Tract 18)
Township 14N, Range 9E:
Section 11, 12, 13, 14, 15: All
Section 22: W2, NE, N2SE, SWSE
Section 23: NW, NWSW, NWNE
consisting of 4,040 acres, more or less.

Sale 39, Form 17. This lease was initiated in 1983 and was brought into the Milne Point Unit in 1992. The Expansion would commit the entire lease to the MPU.

ADL 355016: (Tract 19, Segment 1)

Township 14N, Range 10E:

Section 15, 16, 22: All

Section 17: N2, N2S2, SESE

Section 18: N2, SW, N2SE

Section 20: E2NE

Section 21: N2, SE

consisting of 3,534 acres, more or less.

Sale 39, Form 17. This lease was initiated in 1983 and was brought into the Milne Point Unit in 1992. The Expansion would commit the entire lease to the MPU.

ADL 28232: (Tract 27)

Township 13N, Range 11E:

Section 27: All

Section 28: N2, NW, N2SW

Section 33: NWNE

Section 34: E2, E2W2, SWSW

consisting of 1,760 acres, more or less.

Sale 14, Form 5. This lease was initiated in 1965 and was committed in its entirety to the Milne Point Unit in 1996. A portion of the lease was committed to the Kuparuk Participating Area. In 2001, the unit contracted to the participating area legal and a portion of this lease was contracted out of the unit.

ADL 394167: (Tract 28)

Township 14N, Range 10E:

Section 5, 6, 7, 8: All

consisting of 2,501 acres, more or less.

Sale BS2022, Form 95. This lease was initiated in 2022. The Expansion would commit the entire lease to the MPU.

Criteria for Unit Expansion

The Expansion meets the criteria of 11 AAC 83.356 by including all or part of one or more potential hydrocarbon accumulations, as detailed in the Statement in Support of the Expansion of the MPU, Attachment "A" (held confidential per AS 38.05.035(a)(8)).

The Expansion meets the criteria of 11 AAC 83.303(a) by:

- (1) Promoting conservation of oil and gas development of the Schrader Bluff and Kuparuk reservoirs through the use of existing infrastructure within the MPU;

- (2) Promoting the prevention of economic and physical waste through a development plan to utilize existing infrastructure to maximize hydrocarbon recovery; and
- (3) Providing for the protection of all parties, including the State, through responsible exploration and development.

The Expansion meets the criteria of 11 AAC 83.303(b) by:

(1) Environmental Costs and Benefits of Unitized Exploration or Development

The proposed exploration and, if successful, development will utilize existing MPU infrastructure which will minimize any potential environmental impacts. Unitization of leases does not permit for surface activities and therefore approval of Unit Expansion does not create any environmental impacts. All activities will be appropriately permitted prior to execution.

(2) Geological and Engineering Characteristics of the Potential Hydrocarbon Accumulation or Reservoir within the proposed Expansion Area

Potential hydrocarbon accumulations exist within the Proposed Expansion Area in the Kuparuk and Schrader Bluff reservoirs. These accumulations are accessible from the existing Moose and Raven, or F well pads. The geological and engineering characteristics of the Proposed Expansion Area are further described in Attachment "A" (Statement in Support of the Expansion, held confidential per AS 38.05.035(a)(8)).

(3) Prior Exploration Activities within the proposed Expansion Area

The northern expansion area experienced exploration activities between 1992 and 2004 with a total of four wells being drilled into the area. The first well, NW MILNE 1, was drilled on ADL 355021 in 1992 and logged oil to the base of the Kuparuk sands (Lowest Known Oil approx. -7190' TVDSS). The next two wells, N Milne 1 and N Milne 2, were drilled on ADL 355016 in 1996. The N Milne 1 logged oil to the base of the Kuparuk sands (Lowest Known Oil approx. -7820' TVDs) and N Milne 2 was found to be wet. The final well drilled in the expansion area was Nikaitchuq 2 on ADL 355021 in 2004 and did not encounter any Kuparuk reservoir sands. All of these wells found the Schrader Bluff reservoir to be wet, with the exception of Nikaitchuq 2, which logged the OWC at 4171' TVDSS, marking the northern extent of the oil in the Schrader Bluff Oa reservoir in the main fault block in the expansion area. The original operator, Kerr-McGee, did not test the Nikaitchuq 2 well. The other three wells were primarily targeting the deeper, Kuparuk formation with the intent to try to determine the extent of the oil accumulation.

No exploration activities have been conducted on the proposed expansion leases in the southeast (ADL 28232).

(4) Applicant's Plans for Exploration and Development of the Expansion Area

The table below indicates Hilcorp Alaska's exploration and development plans for the leases that comprise the Expansion Area:

Lease	Formation	Well Count	Pad	Timing
ADL 28232	Kuparuk	1	K Pad	YE 2024
ADL 394167	Kuparuk	2	F Pad	YE 2024
ADL 355018	Schrader Bluff	3	R Pad	YE 2024
ADL 355021	Schrader Bluff	4	R Pad	YE 2025

By the end of 2028 Hilcorp Alaska anticipates drilling an additional 18 wells targeting the potential hydrocarbon accumulations extending across ADL 355018 and ADL 355021 targeting the Schrader Bluff Formation.

(5) Economic Costs and Benefits to the State

The use of current MPU infrastructure will allow for development of the Expansion area in a much more expedient manner.

The inclusion of the Expansion area into the MPU will allow for the exploration and, if successful, development of the Expansion area which will provide the State with additional royalties and tax payments. In addition to royalties, three leases, ADL 355017, ADL 355018, and 355021 are net profit share leases which will result in additional net profits to the State.

Exploration and development of this area will also benefit the State by allowing for maximum development of state resources in the Expansion area, which are currently not being developed.

(6) Other Relevant Factors, to mitigate impacts identified above, to protect the public interest.

The MPU was initially approved by the State of Alaska on October 29, 1979, effective September 28, 1979. Since that time, the MPU Area has expanded and contracted at various times and currently comprises all or part of 24 State Oil and Gas Leases and approximately 50,856 acres.

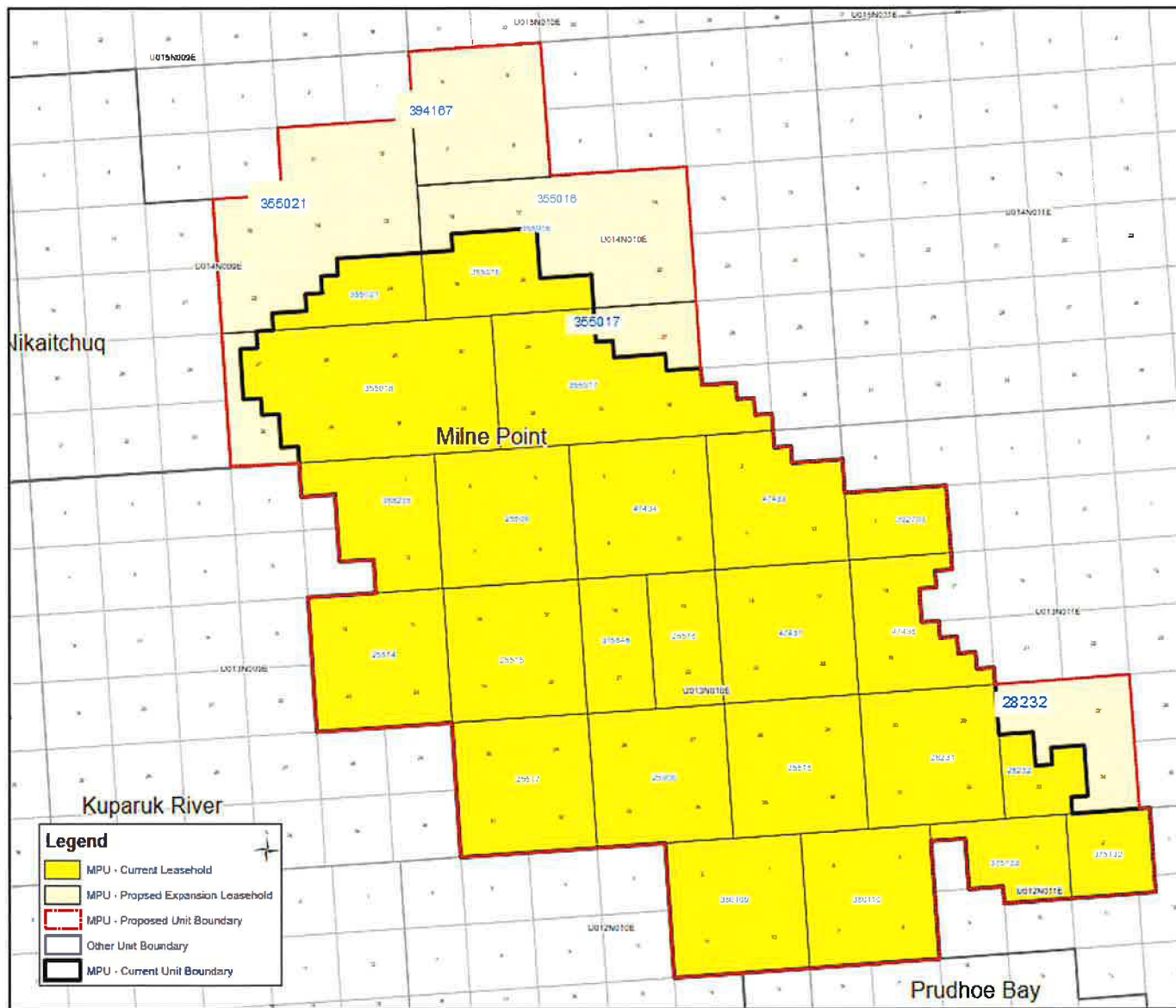
Effective Date

Hilcorp Alaska requests an effective date of **January 1, 2024**. The Expansion area will be subject to the MPU Operating Agreement.

Simultaneous with the submittal of this application, Hilcorp Alaska paid the One Thousand and Five Hundred Dollars (\$1,500.00) unit expansion application filing fee (11 AAC 83.306 and 11 AAC 05.110(d)(3)(E)). This application includes an updated Exhibit "A", a map of the expanded unit area, an updated Exhibit "B", legally describing the proposed expanded unit area, its leases, and the ownership interests, and, a Statement in Support of the Expansion ((held confidential per

AS 38.05.035(a)(8)). No change to the current version of the MPU Operating agreement is required.

Following receipt and review of this application, Hilcorp Alaska respectfully requests DNR to initiate the public notice process required under 11 AAC 83.311.



MILNE POINT UNIT
Proposed EXHIBIT "B"
6th Expansion Dated Effective January 1, 2024

Tract No.	ADL Lease No.	Tract Legal Description (Uniat Meridian, Alaska)	Tract Acreage	Royalty (%)	NPSL (%)	Working Interest Owner and Ownership (%)		Overriding Royalty Interest Owner and Ownership (%)	
1	392703	<u>T13N, R11E</u> Sec. 7: All tide and submerged Land Sec. 8: All tide and submerged land within W½ <u>T13N, R11E Tract B</u> Sec. 7: All including US Survey 8959 Sec. 8: W½ Total	566.52 301.83 61.48 18.17 948.00	16.66667		Hilcorp	100.00000	None	
2	047433	<u>T13N, R10E</u> Sec. 1: S½, SW¼NW¼ Sec. 2: All Sec. 11: All Sec. 12: All Total	360.00 640.00 640.00 640.00 2,280.00	20.00	0.00	Hilcorp	100.00000	Ashland Black Stone Matagorda Total ORRI	0.2500000 1.2735000 0.0765000 1.6000000
3	047434	<u>T13N, R10E</u> Sec. 3: All Sec. 4: All Sec. 9: All Sec. 10: All Total	640.00 640.00 640.00 640.00 2,560.00	20.00	0.00	Hilcorp	100.00000	None	
4	025516	<u>T13N, R10E</u> Sec. 15: All Sec. 22: All Total	640.00 640.00 1,280.00	12.50	0.00	Hilcorp	100.00000	None	
4a	315848	<u>T13N, R10E</u> Sec. 16: All Sec. 21: All Total	640.00 640.00 1,280.00	12.50	0.00	Hilcorp	100.00000	None	

MILNE POINT UNIT
Proposed EXHIBIT "B"
6th Expansion Dated Effective January 1, 2024

Tract No.	ADL Lease No.	Tract Legal Description (Umiat Meridian, Alaska)	Tract Acreage	Royalty (%)	NPSL (%)	Working Interest Owner and Ownership (%)		Overriding Royalty Interest Owner and Ownership (%)	
5	047437	<u>T13N, R10E</u>		20.00	0.00	Hilcorp	100.00000	Black Stone	1.2735000
		Sec. 13: All	640.00					Matagorda	0.0765000
		Sec. 14: All	640.00					Total ORRI	1.3500000
		Sec. 23: All	640.00						
		Sec. 24: All	640.00						
			<u>2,560.00</u>						
6	047438	<u>T13N, R11E</u>		20.00	0.00	Hilcorp	100.00000	Black Stone	2.5470000
		Sec. 17: N½NW¼, SW¼NW¼	120.00					Matagorda	0.1530000
		Sec. 18: All	631.00					Total ORRI	2.7000000
		Sec. 19: All	633.00						
		Sec. 20: W½NW¼, SE¼NW¼, SW¼, W½SE¼, SE¼SE¼	400.00						
			<u>1,784.00</u>						
8	028231	<u>T13N, R11E</u>		12.50	0.00	Hilcorp	100.00000	None	
		Sec. 29: All	640.00						
		Sec. 30: All	636.00						
		Sec. 31: All	639.00						
		Sec. 32: All	640.00						
			<u>2,555.00</u>						
9	025518	<u>T13N, R10E</u>		12.50	0.00	Hilcorp	100.00000	None	
		Sec. 25: All	640.00						
		Sec. 26: All	640.00						
		Sec. 35: All	640.00						
		Sec. 36: All	640.00						
			<u>2,560.00</u>						

MILNE POINT UNIT
Proposed EXHIBIT "B"
6th Expansion Dated Effective January 1, 2024

Tract No.	ADL Lease No.	Tract Legal Description (Umiat Meridian, Alaska)	Tract Acreage	Royalty (%)	NPSL (%)	Working Interest Owner and Ownership (%)		Overriding Royalty Interest Owner and Ownership (%)
10	025509	<u>T13N, R10E</u>		12.50	0.00	Hilcorp	100.00000	None
		Sec. 5: All	640.00					
		Sec. 6: All	625.00					
		Sec. 7: All	628.00					
		Sec. 8: All	640.00					
			<u>2,533.00</u>					
11	025514	<u>T13N, R9E</u>		12.50	0.00	Hilcorp	100.00000	None
		Sec. 13: All	640.00					
		Sec. 14: All	640.00					
		Sec. 23: All	640.00					
		Sec. 24: All	640.00					
			<u>2,560.00</u>					
12	025515	<u>T13N, R10E</u>		12.50	0.00	Hilcorp	100.00000	None
		Sec. 17: All	640.00					
		Sec. 18: All	631.00					
		Sec. 19: All	633.00					
		Sec. 20: All	640.00					
			<u>2,544.00</u>					
13	025517	<u>T13N, R10E</u>		12.50	0.00	Hilcorp	100.00000	None
		Sec. 29: All	640.00					
		Sec. 30: All	636.00					
		Sec. 31: All	639.00					
		Sec. 32: All	640.00					
			<u>2,555.00</u>					

MILNE POINT UNIT
Proposed EXHIBIT "B"
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Tract No.	ADL Lease No.	Tract Legal Description (Umiat Meridian, Alaska)	Tract Acreage	Royalty (%)	NPSL (%)	Working Interest Owner and Ownership (%)		Overriding Royalty Interest Owner and Ownership (%)
14	025906	<u>T13N, R10E</u>		12.50	0.00	Hilcorp	100.00000	None
		Sec. 27: All	640.00					
		Sec. 28: All	640.00					
		Sec. 33: All	640.00					
		Sec. 34: All	640.00					
			<u>2,560.00</u>					
15	355017	<u>T14N, R10E</u>		12.50	40.00	Hilcorp	100.00000	None
		Sec. 27: All	640.00					
		Sec. 28: All	640.00					
		Sec. 29: All	640.00					
		Sec. 32: All	640.00					
		Sec. 33: All	640.00					
		Sec. 34: All	640.00					
		Sec. 35: SW¼, S½NW¼, W½SE¼, SE¼SE¼	360.00					
			<u>4,200.00</u>					
16	355018	<u>T14N, R10E</u>		12.50	30.00	Hilcorp	100.00000	None
		Sec. 30: All	620.00					
		Sec. 31: All	623.00					
		<u>T14N, R9E</u>						
		Sec. 25: All	640.00					
		Sec. 26: All	640.00					
		Sec. 27: All	640.00					
		Sec. 34: All	640.00					
		Sec. 35: All	640.00					
		Sec. 36: All	640.00					
			<u>5,083.00</u>					

MILNE POINT UNIT
Proposed EXHIBIT "B"
6th Expansion Dated Effective January 1, 2024

Tract No.	ADL Lease No.	Tract Legal Description (Umiat Meridian, Alaska)	Tract Acreage	Royalty (%)	NPSL (%)	Working Interest Owner and Ownership (%)	Overriding Royalty Interest Owner and Ownership (%)
18 ^(a) Seg. 1	355021	<u>T14N, R9E</u> Sec. 11: All Sec. 12: All Sec. 13: All Sec. 14: All Sec. 15: All Sec. 22: All Sec. 23: All Sec. 24: All	640.00 640.00 640.00 640.00 640.00 640.00 640.00 640.00 <u>5,120.00</u>	12.50	30.00	Hilcorp 100.00000	D. Herbaly 1.6875000 Joyce 0.3750000 Patricia R. Bechtold 0.1467400 Judy A. Birk 0.1467400 Lynn M. Bush 0.1467400 Ronald G. Collett 0.1467400 Stephen F. Herbaly 0.1467400 Jean Herbaly 0.1467400 Dianne Lee 0.1467400 Robert W. Matzek 0.1467400 Linda L. Serum 0.1467400 Nancy Weiss 0.1467400 Peggy Vorlicek 0.1467300 Gary Shafer 0.0733700 <u>Total ORRI 3.7500000</u>
18 ^(b) Seg. A		Same as above (deeper stratigraphic level)				ENI 100.00000 Total WI <u>100.00000</u>	Hilcorp 2.5000000 Herbaly 2.2500000 Joyce 0.2500000 Armstrong (etal) <u>0.7500000</u> Total ORRI 5.7500000
18 ^(c) Seg. B		Same as above (deeper stratigraphic level)				ENI 50.00000 Herbaly 45.00000 Joyce <u>5.00000</u> Total WI 100.00000	Hilcorp 2.5000000 <u> </u>
19 ^(a) Seg. 1	355016	<u>T14N, R10E</u> Sec. 15: All Sec. 16: All Sec. 17: All Sec. 18: All Sec. 19: All Sec. 20: All Sec. 21: All Sec. 22: All	640.00 640.00 640.00 614.00 617.00 640.00 640.00 640.00 <u>640.00</u>	12.50	40.00	Hilcorp 100.00000	Bachner 0.6000000 Dieringer 0.3000000 Herbaly, D 1.2375000 HVA 0.2445900 Joyce 0.2750000 Stroecker 0.4500000 Wagner 0.4054100 Patricia R. Bechtold 0.1076100 Judy A. Birk 0.1076100

MILNE POINT UNIT
Proposed EXHIBIT "B"
6th Expansion Dated Effective January 1, 2024

Tract No.	ADL Lease No.	Tract Legal Description (Uniat Meridian, Alaska)	Tract Acreage	Royalty (%)	NPSL (%)	Working Interest Owner and Ownership (%)	Overriding Royalty Interest Owner and Ownership (%)
			5,071.00				Lynn M. Bush 0.1076100
							Ronald G Collett 0.1076100
							Stephen F. Herbaly 0.1076100
							Jean Herbaly 0.1076100
							Dianne Lee 0.1076100
							Robert W. Matzek 0.1076100
							Linda L. Serum 0.1076100
							Gary Shafer 0.0537900
							Peggy Vorlicek 0.1076100
							Nancy Weiss 0.1076100
							Total ORRI 4.7500000
19 ^(b)		Same as above (deeper stratigraphic level)				Hilcorp 50.00000	Bachner 0.6000000
Seg. A						Herbaly 45.00000	Dicringer 0.3000000
						Joyce 5.00000	HVA 0.2445900
						Total WI 100.00000	Stroecker 0.4500000
							Wagner 0.4054100
							Total ORRI 2.0000000

MILNE POINT UNIT
Proposed EXHIBIT "B"
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Tract No.	ADL Lease No.	Tract Legal Description (Uniat Meridian, Alaska)	Tract Acreage	Royalty (%)	NPSL (%)	Working Interest Owner and Ownership (%)		Overriding Royalty Interest Owner and Ownership (%)	
22 ^(d) Seg. 1	388235	<u>T13N, R9E</u> Sec. 1: All Sec. 2: N½, SE¼ Sec. 11: NE¼ Sec. 12: All	640.00 480.00 160.00 640.00 <u>1,920.00</u>	12.50	30.00	Hilcorp	100.00000	None	
22 ^(d) Seg. A		Same as above (deeper stratigraphic level)				Hilcorp	100.00000	CPAI Total ORRI	<u>6.2500000</u> <u>6.2500000</u>
23	380109	<u>T12N, R10E</u> Sec. 1: All Sec. 2: All Sec. 11: All Sec. 12: All	640.00 640.00 640.00 640.00 <u>2,560.00</u>	12.50	0.00	Hilcorp	100.00000		
24	380110	<u>T12N, R11E</u> Sec. 5: All Sec. 6: All Sec. 7: All Sec. 8: All	640.00 577.00 580.00 640.00 <u>2,437.00</u>	12.50	0.00	Hilcorp	100.00000		

MILNE POINT UNIT
Proposed EXHIBIT "B"
6th Expansion Dated Effective January 1, 2024

Tract No.	ADL Lease No.	Tract Legal Description (Umiat Meridian, Alaska)	Tract Acreage	Royalty (%)	NPSL (%)	Working Interest Owner and Ownership (%)		Overriding Royalty Interest Owner and Ownership (%)	
25 ^(e)	375133	<u>T12N, R11E</u>		12.50	0.00	Hilcorp	100.00000	None	
Seg. 1		Sec. 3: All	640.00						
		Sec. 4: E½	320.00						
		Sec. 10: N½N½	160.00						
			<u>1,120.00</u>						
25 ^(e)									
Seg. A		Same as above (deeper stratigraphic level)				Hilcorp	100.00000	CPAI	<u>2.3750000</u>
								Total ORRI	<u>2.3750000</u>
26 ^(e)	375132	<u>T12N, R11E</u>		12.50	0.00	Hilcorp	100.00000	None	
Seg. 1		Sec. 1: W½NW¼, W½SW¼	160.00						
		Sec. 2: All	640.00						
		Sec. 11: N½N½	160.00						
		Sec. 12: NW¼NW¼	40.00						
			<u>1,000.00</u>						
26 ^(e)									
Seg. A		Same as above (deeper stratigraphic level)				Hilcorp	100.00000	CPAI	<u>2.3750000</u>
								Total ORRI	<u>2.3750000</u>

MILNE POINT UNIT
Proposed EXHIBIT "B"
6th Expansion Dated Effective January 1, 2024

Tract No.	ADL Lease No.	Tract Legal Description (Umiat Meridian, Alaska)	Tract Acreage	Royalty (%)	NPSL (%)	Working Interest Owner and Ownership (%)		Overriding Royalty Interest Owner and Ownership (%)
27 ^(e) Seg 1	028232	<u>T13N, R11E</u> Sec. 27: All Sec. 28: All Sec. 33: All Sec. 34: All	640.00 640.00 640.00 640.00 <u>2,560.00</u>	12.50	0.00	Hilcorp	100.00000	None
27 ^(e) Seg. A		Same as above (deeper stratigraphic level)				Hilcorp	100.00000	CPAI Total ORRI <u>2.3750000</u> 2.3750000
28	394167	<u>T14N, R10E</u> Sec. 5: All Sec. 6: All Sec. 7: All Sec. 8: All	640.00 609.00 612.00 640.00 <u>2,501.00</u>	16.666670	0.00	Hilcorp	100.00000	None
TOTAL UNIT ACREAGE			64,131.00					

WIO and ORRI Owners

Name (Short)	Name (Full)	Name (Short)	Name (Full)	Name (Short)	Name (Full)
Armstrong	Armstrong Alaska, Inc.	Herbaly, D.	David L. Herbaly Revocable Trust	Nancy Weiss	
Ashland	Ashland Exploration, Inc.	Herbaly, E.	Elmer L. & Lorna M. Herbaly Trust	Patricia R. Bechtold	
Bachner	J. Andrew Bachner	Hilcorp	Hilcorp Alaska, LLC	Peggy Vorlicek	
Black Stone	Black Stone Minerals Company, L.P.	HVA	HVA Royalties, Inc.	Robert W. Matzek	
CPAI	ConocoPhillips Alaska, Inc.	Jean Herbaly		Ronald G. Collett	
Dianne Lee		Joyce	George Alan Joyce, Jr.	RTC	Royalty Trust Corporation
Dieringer	James F. Dieringer, Jr.	Judy A. Birk		Stephen F. Herbaly	
ENI	ENI Petroleum US LLC	Linda L. Serum		Stroecker	W.G. Stroecker Estate
Gary Shafer		Lynn M. Bush		Wagner	Richard E. Wagner
Herbaly	Herbaly Exploration LLC	Matagorda	Matagorda B1, LP		

MILNE POINT UNIT
Proposed EXHIBIT "B"
6th Expansion Dated Effective January 1, 2024

Tract No.	ADL Lease No.	Tract Legal Description (Umiat Meridian, Alaska)	Tract Acreage	Royalty (%)	NPSL (%)	Working Interest Owner and Ownership (%)	Overriding Royalty Interest Owner and Ownership (%)
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Notes concerning unique interests to individual tracts:

- (a) Limited to the interval from the surface down to the stratigraphic equivalent depth of 100 ft. below 7,426 ft. TVD as measured in the Conoco NW Milne # 1 well (API # 50-
- (b) Limited to the interval lying beneath 100 ft. below the stratigraphic equivalent of 7,426 ft. TVD as measured in the Conoco NW Milne #1 well (API # 50-029-22231) to the
- (c) Limited to the interval lying below the stratigraphic equivalent of 100' below 9,507' TVD as drilled in the Nikaitchuq 2 Well (AP #50-629-23199-00) to the center of the
- (d) CPAI ORRI limited to hydrocarbon producing horizons deeper than the stratigraphic equivalent of the top of the Kuparuk Reservoir which is defined to be 6,881' true
- (e) CPAI ORRI limited to hydrocarbon producing horizons deeper than the stratigraphic equivalent of the top of the Kuparuk Reservoir which is defined to be 6,830' true