



THE STATE  
of **ALASKA**  
GOVERNOR BILL WALKER

Department of Natural Resources

DIVISION OF OIL AND GAS

550 W. 7<sup>th</sup> Avenue Suite 1100  
Anchorage, Alaska 99501-3560  
Main: 907.269.8800  
Fax: 907.269.8939

July 25, 2018

Jessika Gonzalez  
Permitting Coordinator  
ConocoPhillips Alaska, Inc.  
P.O. Box 100360  
Anchorage, AK 99510-0360

**RE: LONS 97-010 and 00-009, ConocoPhillips Alaska Inc., Kuparuk River Unit, DS-2N, DS-2P, Water Injection Pipeline Conversion Unit Plan of Operations Amendment Decision.**

Dear Ms. Gonzalez:

The Alaska Department of Natural Resources, Division of Oil and Gas (Division), in accordance with Alaska Statute 38.05 and Alaska Oil and Gas Leasing Regulations (11 AAC 83) grants authorization to conduct activities on state lands as proposed in the Kuparuk River Unit (KRU) Plan of Operations (Plan) amendment application dated June 25, 2018 for the above referenced project.

**Scope:**

ConocoPhillips Alaska, Inc (CPAI) requests approval to install a jumper pipeline and associated infrastructure at Drill Site 2N (DS-2N) and DS-2P within the KRU. The purpose of this project is to modify an existing 8-inch gas injection (GI) line to transport water from DS-2N to DS-2P for water injection (WI).

At DS-2N, CPAI will install an 8-inch jumper line from the existing 12-inch WI pipeline to the existing 8-inch GI pipeline to provide WI to DS-2P. A new pig launcher skid will house the existing pig launcher at DS-2N for annual pigging and emergency de-inventory purposes. Pipe with piggable bends will be installed on the pigging path and a single ball valve will be installed upstream of the pig launcher to reduce fluid traps and remove the risk of freezing. Three new platforms will be installed above the tundra grade just off-pad of DS-2N. Two lower platforms will be installed approximately four feet above the tundra measuring approximately 7 feet by 23 feet and 10 feet by 20 feet. An upper platform valve access will be installed approximately 19 feet above the tundra measuring approximately 18 feet by 30 feet. Five new vertical support members (VSMs) will be installed off-pad at DS-2N to support the new platforms.

At DS-2P, water will flow from the existing 8-inch GI cross-country pipeline through new 8-inch offtake piping to the existing DS-2P WI system. The existing 6-inch GI offtake spool will be blinded and removed on the existing 8-inch GI pipeline. The existing 6-inch GI offtake piping

will be replaced with 8-inch piping. The abandoned-in-place 12-inch WI piping on the new pigging path will be removed and replaced with 8-inch piping to the DS-2P pigging module. CPAI will use the existing pig receiver and pigging module. Valves will be installed to allow for pigging and to allow for isolation and switching between water injection and gas injection at DS-2P.

**Plan activities include:**

DS-2N Activities

- Installation of 8-inch jumper line.
- Blinding the existing 8-inch WI offtake line.
- Installation of valves.
- Installation of new pig launcher.
- Installation of piggable pipe bends.
- Installation of three new platforms off-pad.
- Installation of five new VSMs.

DS-2P Activities

- Replacement of the existing 6-inch GI offtake with 8-inch piping.
- Replacement of the abandoned-in-place 12-inch WI piping with 8-inch piping.
- Installation of valves.

**Location information:**

KRU

DS-2N

Meridian: Umiat                      Township: 9N                      Range: 7E                      Section: 3

Lat.: 70.1698, Long.: -150.3157

ADL(s): 375074

DS-2N is approximately 20 miles southwest of Kuparuk Landing Area.

DS-2P

Meridian: Umiat                      Township: 8N                      Range: 7E                      Section: 17

Lat.: 70.0522, Long.: -150.4460

ADL(s): 373112

DS-2P is approximately 8 miles southwest of DS-2N.

**Agency review:**

The Division provided a review and comment opportunity for the activities considered for authorization under this decision. The following government entities were notified on June 27, 2018, for comment on the Plan: Alaska Department of Environmental Conservation (ADEC), Alaska Department of Fish and Game (ADFG), and DNR: Division of Mining, Land & Water (DMLW), Division of Oil and Gas, and the North Slope Borough (NSB). The comment deadline was 4:30 pm Alaska time on July 12, 2018. No comments were received.

**Conditions/Stipulations:**

1. A certified As-Built survey of the activity shall be provided within one year of placement of the improvement. This As-Built must be both digital and hard copy.

Please attach this amendment approval with the original decision. This unit operations amendment approval is issued in accordance with Alaska Statute 38.05, Alaska Administrative Codes 11 AAC 83.346 and 11 AAC 83.303. The Division reviewed this amendment under the unit regulation for the Plan, 11 AAC 83.346, and considers the factors set forth in 11 AAC 83.303(a) and (b). The amendment was also evaluated against the KRU agreement for conformance.

A person affected by this decision may appeal it, in accordance with 11 AAC 02. Any appeal must be received within 20 calendar days after issuance of the decision, as defined in 11 AAC 02.040(c) and (d) and may be mailed or delivered to the Commissioner, Department of Natural Resources, 550 W 7<sup>th</sup> Avenue, Suite 1400, Anchorage, Alaska 99501; faxed to 1-907-269-8918, or sent by electronic mail to [dnr.appeals@alaska.gov](mailto:dnr.appeals@alaska.gov). This decision takes effect immediately. If no appeal is filed by the appeal deadline, this decision becomes a final administrative order and decision of the department on the 31<sup>st</sup> day after issuance. 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.

This approval signifies only that the State of Alaska has no objection to the operations outlined in the Plan amendment application. It does not constitute certification of any property right or land status claimed by the applicant nor does it relieve the applicant of responsibility to obtain approvals or permits from other persons or governmental agencies that may also be required. All stipulations contained in the original lease and subsequent Plan approvals remain in full force and effect.

If activities have not commenced, this approval expires on July 25, 2021. Failure to comply with the terms and conditions outlined in the lease, the attached stipulations, and this authorization may result in revocation of this unit operations approval.

Any questions or concerns about this amendment may be directed to Natural Resource Specialist James Hyun at 907-269-8885 or emailed to [james.hyun@alaska.gov](mailto:james.hyun@alaska.gov).

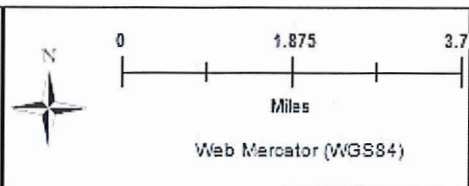
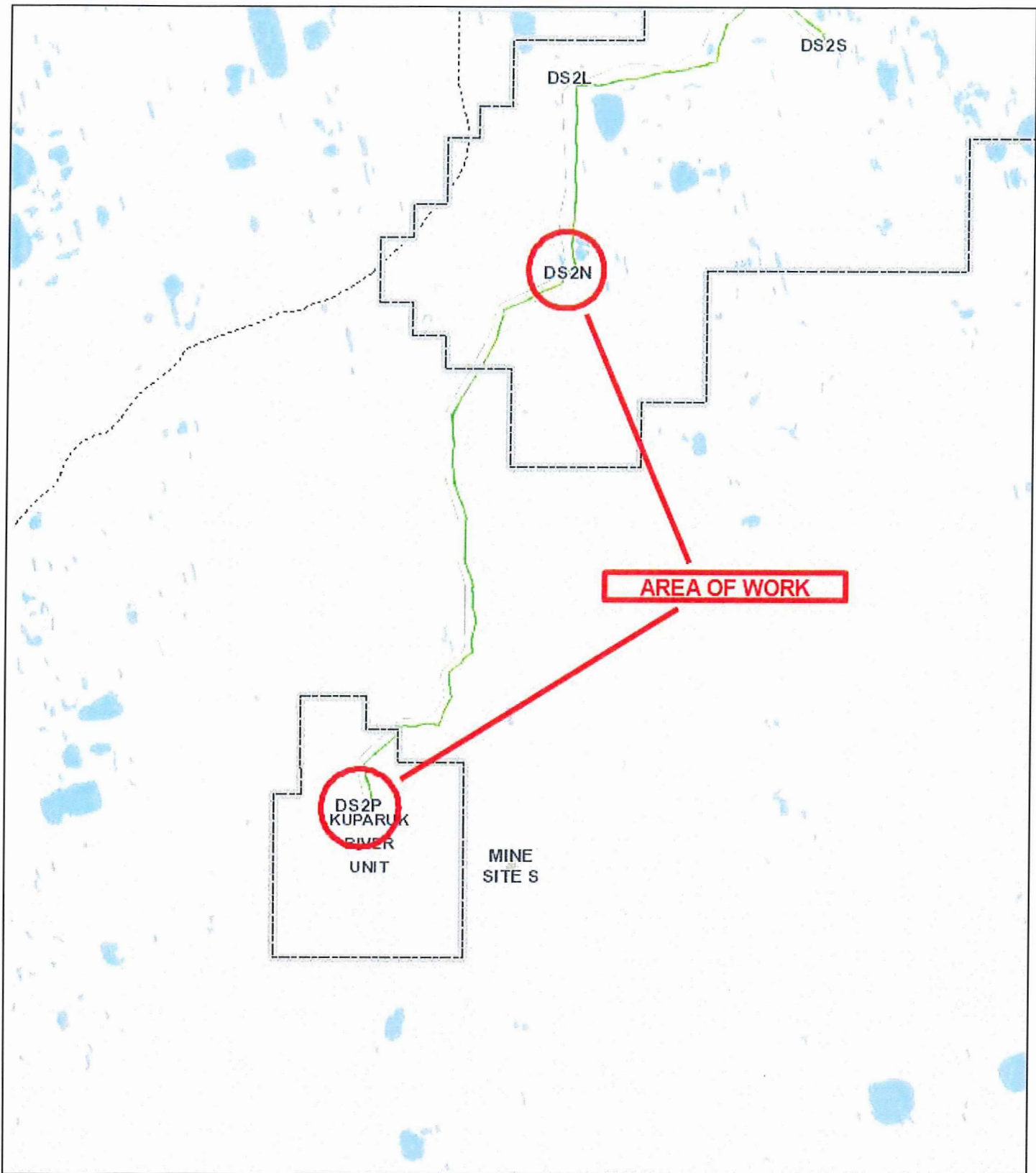
Sincerely,



Nathaniel Emery  
Natural Resource Specialist

Attachments: Figure 1-6  
2018 North Slope Mitigation Measures

ecc: DOG: Graham Smith, Nathaniel Emery, Paul Blanche, Mark Henspeter, Tiana Heyano  
and [spco.records@alaska.gov](mailto:spco.records@alaska.gov)  
DMLW: Melissa Head, Becky Baird, Henry Brooks and Kimberly Maher  
ADF&G: Jack Winters  
ADEC: [dec.water.oilandgas@alaska.gov](mailto:dec.water.oilandgas@alaska.gov) and Laurie Silfven  
Borough: Jason Bergerson, Josie Kaleak and Matt C. Dunn  
Other: [regpagemaster@usace.army.mil](mailto:regpagemaster@usace.army.mil)



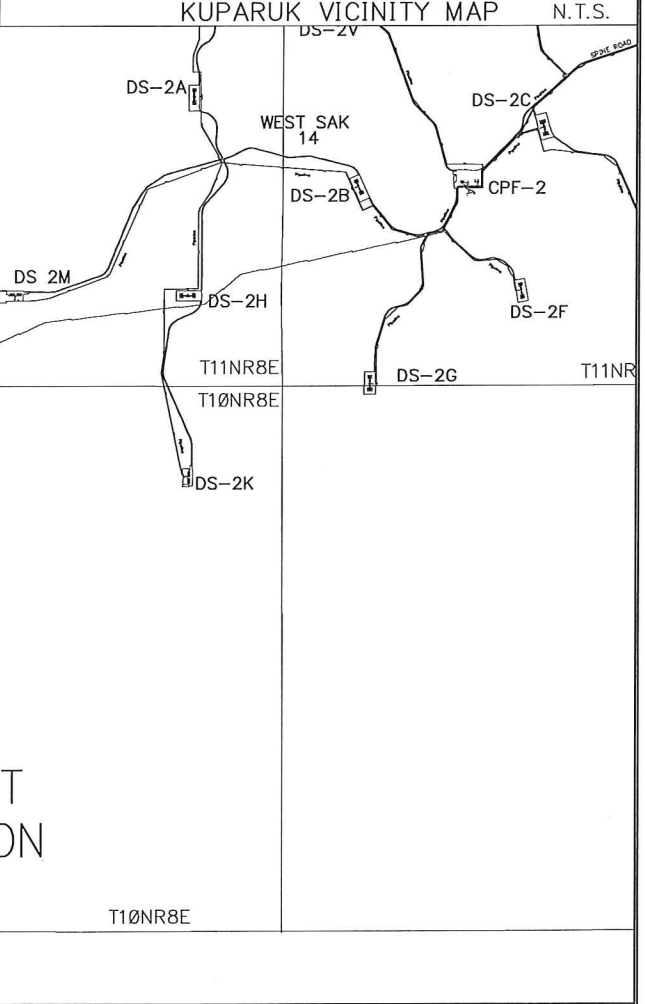
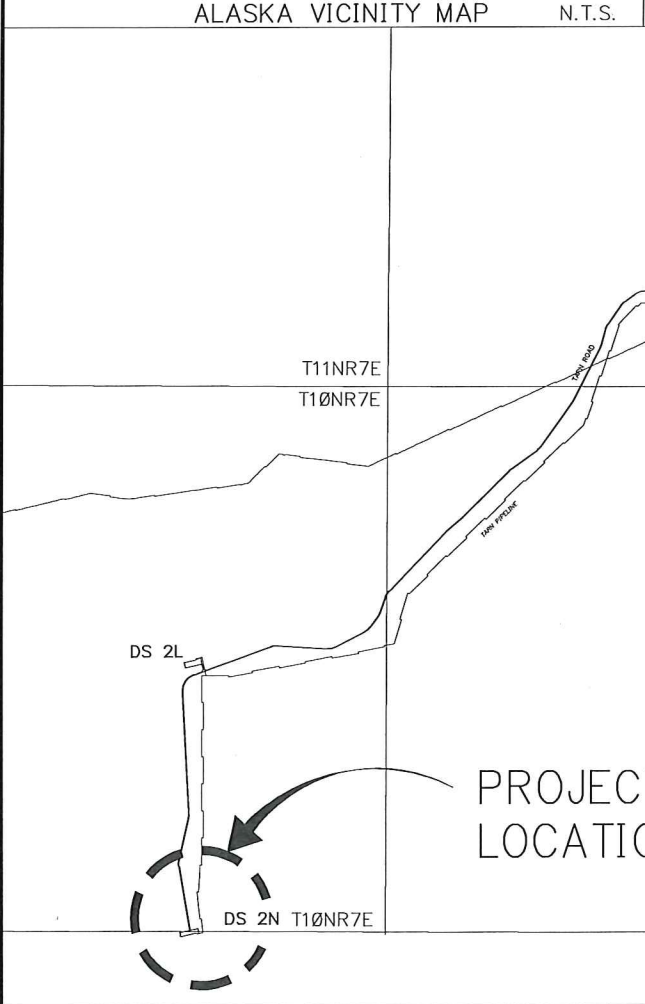
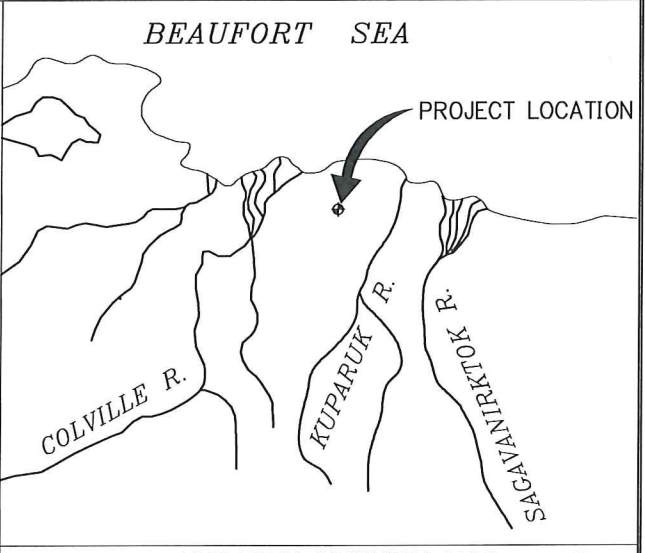
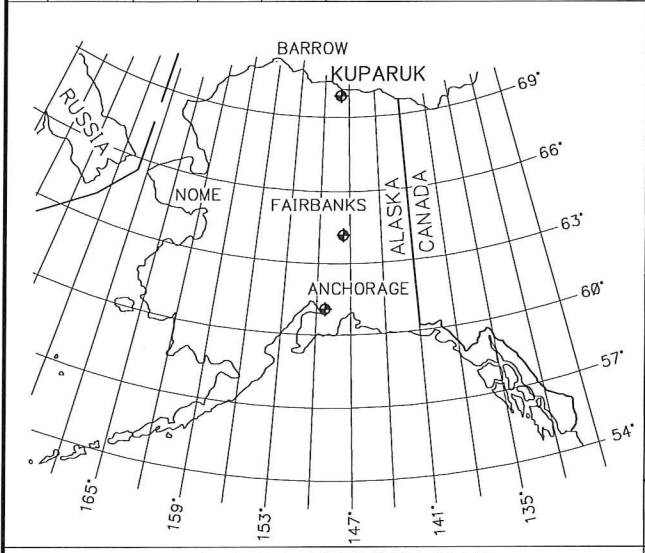
**DS-2N to DS-2P**  
WI Pipeline Conversion  
Author:  
Date: 06/26/2018

The source website and all maps are the property of ConocoPhillips and may not be used without authorization by ConocoPhillips.  
This map is a graphical representation and is not guaranteed for completeness, accuracy, scale, or suitability for any purpose.

Company Confidential

Figure 1

REV	DATE	BY	CK	APP	DESCRIPTION	REV	DATE	BY	CK	APP	DESCRIPTION
0	06/18	MDB			ISSUED PER 22356696ACS						



**ConocoPhillips**  
Alaska, Inc.

AREA: DS2N      MODULE: 2NYD      UNIT: D2  
DS2N  
DS2P GI TO WI PL CONVERSION - VSM INSTALL  
PERMIT EXHIBITS

CADD FILE NO.  
SKA-DS2N-22356696ACS-001 06/18

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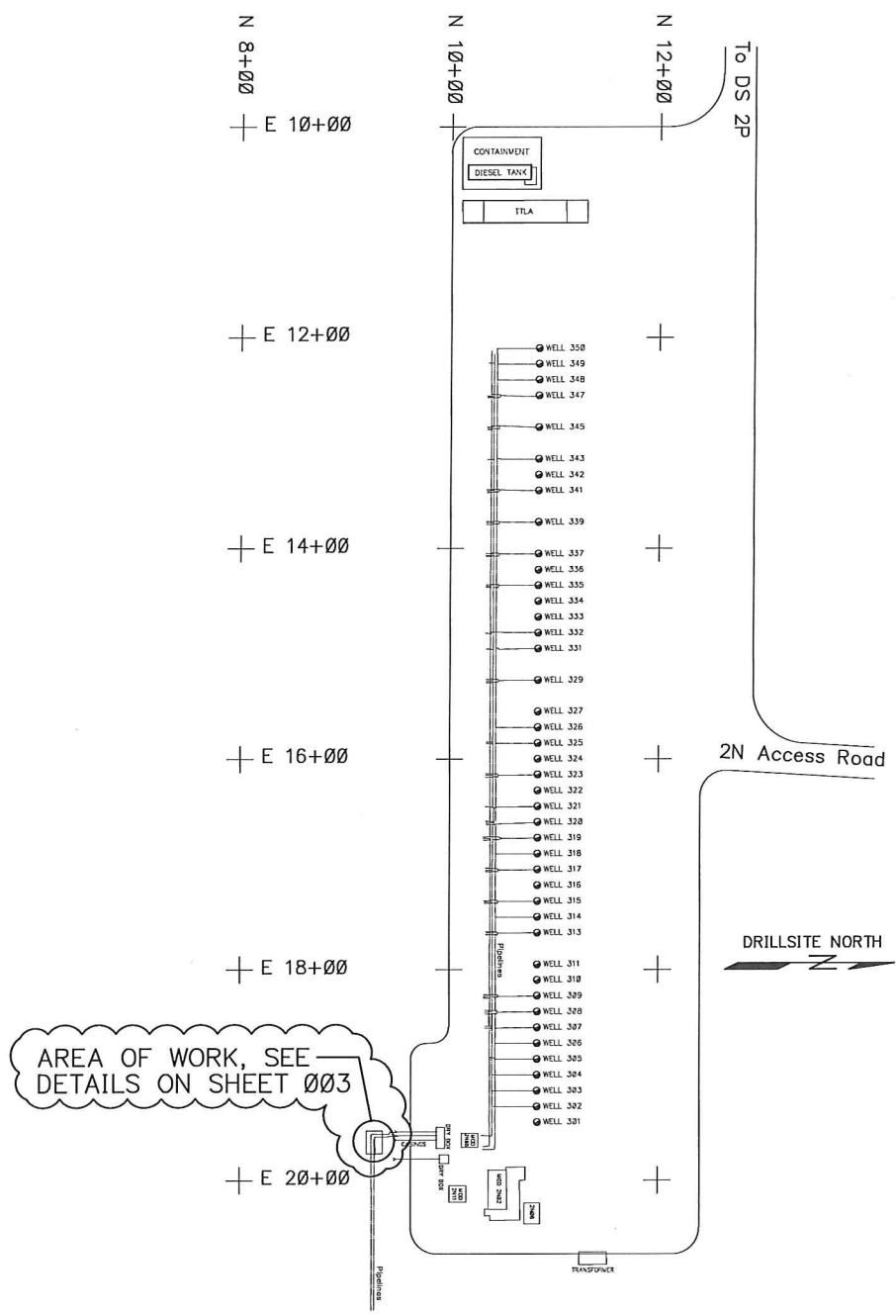
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001 OF

REV:  
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Figure 2



REV	DATE	BY	CK	APP	DESCRIPTION	REV	DATE	BY	CK	APP	DESCRIPTION
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DRILL SITE 2N  
SITE PLAN

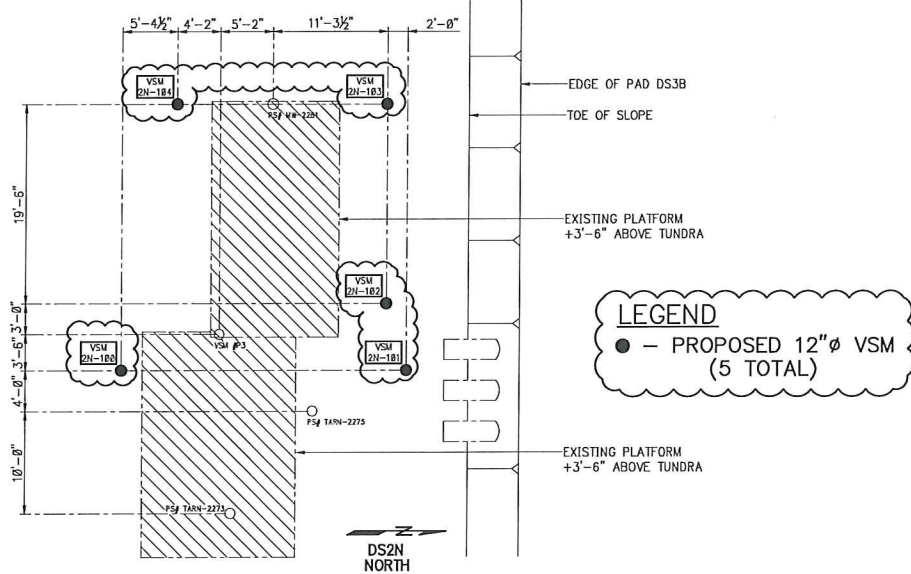
**ConocoPhillips**  
Alaska, Inc.

AREA: DS2N      MODULE: 2NYD      UNIT: D2  
DS2N  
DS2P GI TO WI PL CONVERSION - VSM INSTALL  
PERMIT EXHIBITS

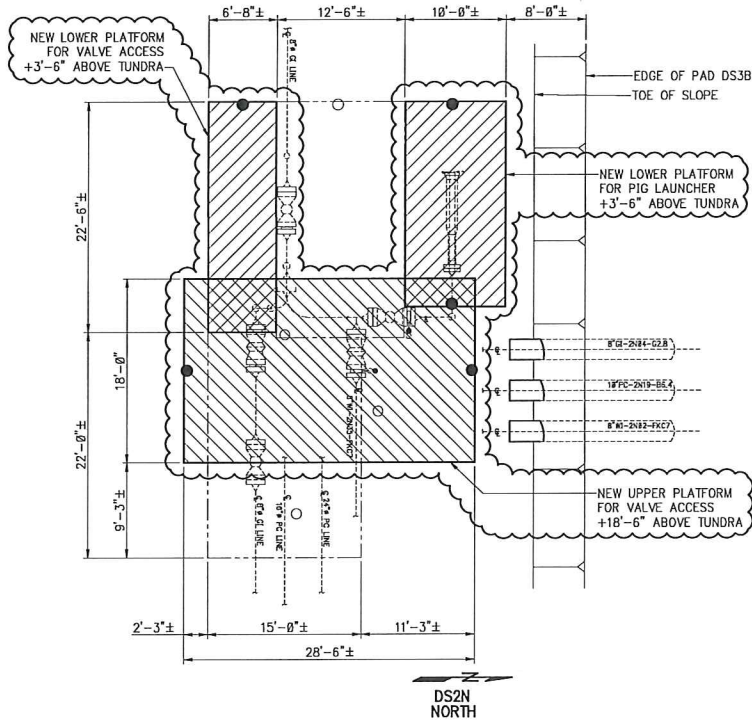
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Figure 3

REV	DATE	BY	CK	APP	DESCRIPTION	REV	DATE	BY	CK	APP	DESCRIPTION
0	06/18	MDB			ISSUED PER 22356696ACS						



VSM LAYOUT DETAIL



PROJECT PLAN DETAIL



AREA: DS2N      MODULE: 2NYD      UNIT: D2  
 DS2N  
 DS2P GI TO WI PL CONVERSION – VSM INSTALL  
 PERMIT EXHIBITS

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 SKA-DS2N-22356696ACS-003 06/18

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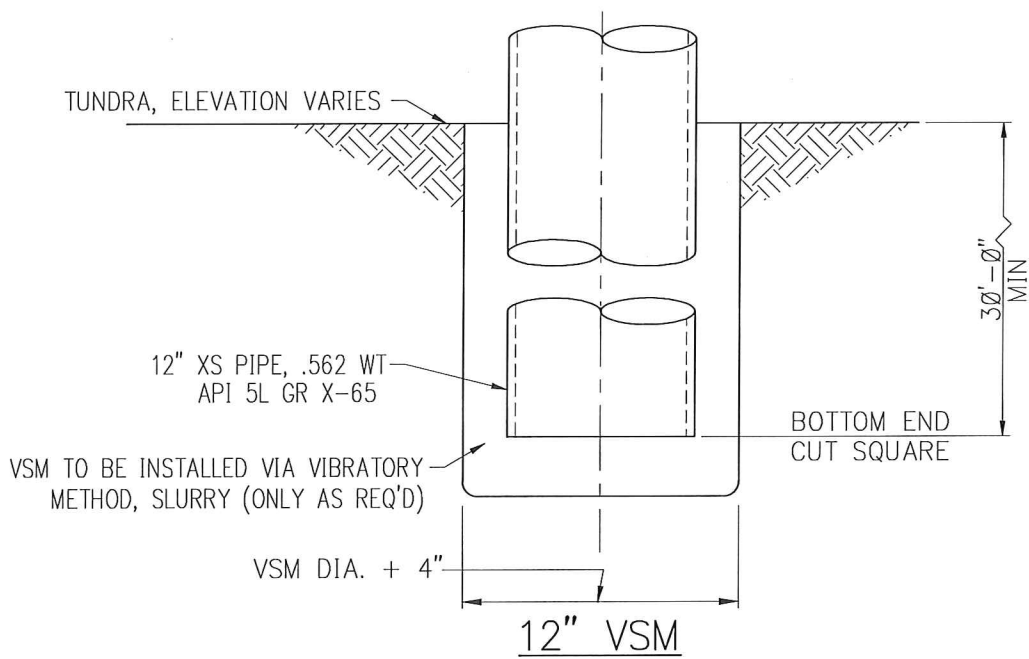
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REV:  
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Figure 4



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**ConocoPhillips**  
Alaska, Inc.

AREA: DS2N      MODULE: 2NYD      UNIT: D2  
DS2N  
DS2P GI TO WI PL CONVERSION - VSM INSTALL  
PERMIT EXHIBITS

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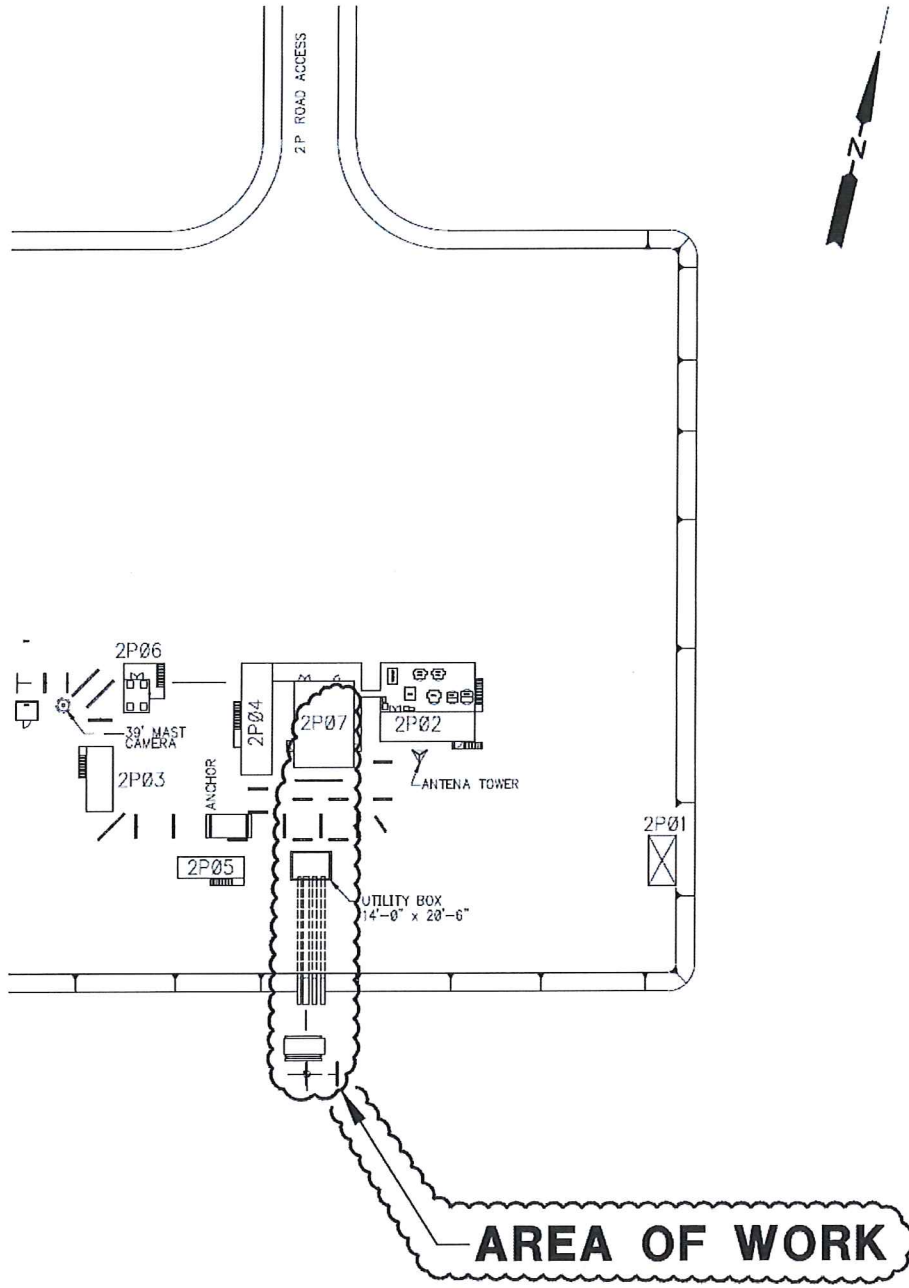
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PART:  
004 OF

REV:  
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Figure 5

REV	DATE	BY	CK	APP	DESCRIPTION	REV	DATE	BY	CK	APP	DESCRIPTION
0	06/25										



DRILL SITE 2P  
SITE PLAN

	AREA: DS2P	DS2P DS2P GI TO WI PL CONVERSION - DS2P PERMIT EXHIBITS	
	CADD FILE NO.	DRAWING NO:	PART: REV: 0

Figure 6