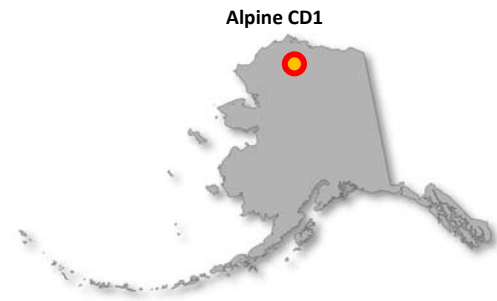




## ALASKA OIL AND GAS CONSERVATION COMMISSION

### SITUATION REPORT (SITREP)

#### Alpine CD 1 Natural Gas Release



**SITREP #:** 19

**DATE/TIME OF DISTRIBUTION:** April 2, 2022, at 3:30 p.m.  
Information current as of April 2, 2022, at 10:15 p.m.

**POTENTIAL RESPONSIBLE PARTY (PRP):** ConocoPhillips Alaska, Inc. (CPAI)

**INCIDENT LOCATION:** Colville River Unit, Alpine Field, CD1 drillsite 70.34263N 150.92861W

**DATE/TIME OF INCIDENT:** March 4, 2022, at 3:25 a.m.

**HOW/WHEN RELEASE WAS DISCOVERED AND REPORTED:** Gas release first observed from ground at wellhouse of well CD1-05. Natural gas releases occurred at 7 wells on CD1 drillsite and through cracks on the pad near Doyon Rig 142.

**TYPE/AMOUNT OF PRODUCT SPILLED:** Natural gas since March 4, 2022, and 590 gallons of saline water on March 9, 2022 through March 10, 2022. *Initial estimate of natural gas released is 7.2 million cubic feet according to a letter from CPAI to AOGCC dated 4/1/22 – copy attached.*

**CAUSE OF RELEASE:** Under evaluation

**SOURCE CONTROL:** Continue source remediation operations.

**RESPONSE ACTION:** Began source remediation operations 3/30/2022 – cementing to isolate the C-10 (Halo) formation. No change to gas sample interpretations and diagnostic logs regarding the source of natural gas. CPAI reports fluctuating low levels of gas inside wellhouses since the startup of produced water injection. There has been no gas detected outside of the wellhouses.

**RESOURCES AT RISK OR AFFECTED:** Refer to the Alpine CD1 Response website (<https://alpineresponse.com>) for information about daily air quality monitoring. No change to production from other Colville River Unit and Greater Mooses Tooth Unit drillsites.

**FUTURE PLANS:** Continue source remediation operations. All wells on CD1 drillsite remain shut in except waste injection in well CD1-01A and produced water injection in CD1-03 and CD1-05. CPAI continues to monitor the CD1 drillsite well row for gas releases and well pressures. Continue to perform air monitoring.



Erica Livingston  
Wells Chief Engineer

700 G Street, ATO 1502  
Anchorage, AK 99510

April 1, 2022

**Hand-Delivery**

Mr. Jeremy M. Price  
Chair, Commissioner  
Alaska Oil and Gas Conservation Commission  
333 West Seventh Avenue, Suite 100  
Anchorage, Alaska 99501-3572

Re: Docket Number: OTH-22-012  
Gas Release  
Colville River Unit, CD1 Drillsite

Dear Commissioner Price:

On behalf of ConocoPhillips Alaska, Inc. ("CPAI"), and in further response to the March 11, 2022, letter from the Alaska Oil and Gas Conservation Commission ("AOGCC"), the purpose of this letter is to provide AOGCC with an estimate of the volume of gas released in connection with the above-referenced matter. The volume estimate has been reviewed and endorsed by ConocoPhillips technical experts.

The volume of natural gas released into subsurface strata under CD1 that was not captured into CPAI's Alpine Central Facility ("ACF") is estimated at 7.2 million standard cubic feet (MMSCF). Most of the 7.2 MMSCF gas released to the subsurface strata is believed to have escaped to the atmosphere between March 4, 2022, when gas was first detected at CD1, and March 8, 2022, when gas flow was routed through the WD-03 outer annulus into the ACF. Some small amount of gas that was released to the subsurface strata may continue to escape to the atmosphere over time. Gas isotope analysis and cased hole log interpretation was used to identify the source of the gas flow in the WD-03 outer annulus. The volume estimate of natural gas released is based on a source inflow performance relationship defined primarily from observations made while flowing the WD-03 outer annulus to the ACF.

Regards,

A handwritten signature in blue ink that reads "Erica Livingston".

Erica Livingston

cc: (via email)

Kimberley Maher, Alaska Department of Environmental Conservation  
Ryan Gross, US Environmental Protection Agency  
Evan Osborne, US Environmental Protection Agency