

FORM
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Rev
06/18

State of Colorado
Oil and Gas Conservation Commission

1120 Lincoln Street, Suite 801, Denver, Colorado 80203
Phone: (303) 894-2100 Fax: (303) 894-2109



OGCC RECEPTION

Receive Date:
11/28/2018

Accident Tracking No.:
401852692

ACCIDENT REPORT

As required by Rule 602.d.

CONTACT INFORMATION

Initial Notice of Accident Subsequent Notice of Accident

OGCC Operator Number: 10456 Contact Name: Reed Koeneke
Name of Operator: CAERUS PICEANCE LLC Phone: (970) 216-2557
Address: 1001 17TH STREET #1600 Fax: ()
City: DENVER State: CO Zip: 80202 Email: rkoeneke@caerusoilandgas.com

ACCIDENT DATE, TIME, and LOCATION (Please be as specific as possible)

Date of Accident: 09/21/2018 Time of Accident: 11:30 AM
API Number: 05- Facility ID: 335163 Type of Facility: LOCATION
Well/Facility Name: GMU-66S93W Well/Facility Num: 26NENW
County: GARFIELD
Location: QTRQTR: NENW Sec: 26 Twp: 6S Rng: 93W Meridian: 6
Lat: 39.504140 Long: -107.744930
Field Name: MAMM CREEK Field Number: 52500

Was there a reportable E & P waste spill or release associated with this accident? Yes No
If YES, enter the Document Number of the Initial Spill/Release Report, Form 19: _____
Was there a Grade 1 Gas Leak associated with this accident? Yes No
If YES, enter the Document Number of the Initial Grade 1 Gas Leak Report, Form 44: _____

DESCRIPTION OF ACCIDENT

Number of members of the general public injured: 0
Number of workers injured: 0
Number of general public fatalities: 0
Number of worker fatalities: 0

Type of Accident (check all that apply):

Fire
 Explosion
 Detonation
 Uncontrolled Release
 Other Description: _____

Detailed Description of Accident:

- Do not include names of injured, injuries, or medical treatment information.
- Subsequent Report must include Root Cause.

On Friday 09/21/2018 at approximately 11:35 am, a tank on the C26NW ignited a flash fire while being prepared for cleaning. No injuries occurred. The location was ESD'ed and everyone immediately evacuated and activated emergency services. The fluids had been drained from the tank. Gas monitors were in use but did not alarm. The event occurred as the crew began sliding the manway and associated tank heater assembly out of the tank. The source of ignition is not exactly known. All indications point to static discharge or a spark created by metal on metal contact as the manway/heater assembly was pulled through the sand and sludge mixture, across the bottom of the tank, and over the bolts that secure the assembly to the tank.

Root Cause:

An unknow and uncontrollable ignition source ignited the flammable atmosphere that existed within the tank to be cleaned. Human error was not a factor, the individuals performing the work followed all applicable safety procedures and policies for performing tank cleaning operations.

Potential Contributing factors:

- As with most all other tank cleanings an amalgamation of sand and sludge could not be completely extracted from the bottom of the tank.
- A PVC stinger was used on the hydrovac that was waiting to collect any fluids that began to escape the vessel.
- Fully evacuating all flammable gases from the head space prior to removing the man way/heater and beginning the cleaning of the tank is not always possible.

Immediate corrective action/prevention:

1. The use of non-sparking tools, such as brass pry bars will be used when freeing the mayway/heater assembly for removal.
2. The manway/heater assembly will be bonded and grounded to dissipate any static build up created by the removal of the assembly
3. When the potential for static ignition is identified, hydrovac operators will insure that their trucks are grounded/bonded and their stinger and hose combinations do not have materials known to allow for the build up of static charge.
4. When cleaning tanks, air movers will be utilized in an effort to accomplish the three objective outlined below. When possible, we would request that the air movers be attached, and be in operation the night prior to the start of the tank cleaning process.
 - a. To evacuate the head space of the tank from as much LEL as possible.
 - b. To improve the air in the breathing zone of those individuals working at the manway.
 - c. To hopefully redirect any fire that may occur away from the workers at the manway and out the hatch at the top of the tank.

OTHER NOTIFICATIONS

List all parties and agencies that were notified or responded to the accident. (For example: Local Government Designee, Municipality, County, BLM, EPA, CDOT, Local Emergency Planning Coordinator, etc.)

Date	Agency	Contact	Response
09/21/2018	BLM	Jim Byers	Requested NTL-3A
09/21/2018	Colorado River Fire District	Kevin Alvey	Fire department responded to the incident to cool the adjacent tanks.
09/21/2018	Garfield County Oil & Gas liaison office	Cheryl Bower	Kirby is on vacation
09/21/2018	Garfield County Sherriff	Brian Rosol	Case # 18-19066

OPERATOR COMMENTS and SUBMITTAL

After the "Operations Alter", which is attached, was distributed to all Caerus Staff a meeting was held with the contractors who perform tank cleaning operations for Caerus. We shared the Operations Alert, discussed the parameters that existed around this incident, and discussed the corrective actions and expectations around performing tank cleaning operations. This blossomed into a larger discussion about how we approach hazardous work and how we prevent similar incidents as well as decrease potential exposures while conducting this work.

Please see the attached Operations Alert, and sign-in for the Meeting/Training that was held with Caerus staff and contractors.

Let me know if you have any questions or would like any clarification on the incident itself or the follow up actions that were taken.

This form must be signed by an authorized agent of the entity making assertion.

I certify under penalty of perjury that this report has been examined by me and to the best of my knowledge is true, correct and complete.

Print Name: Reed Koeneke Email: rkoeneke@caerusoilandgas.com

Signature: _____ Title: EHS Safety Specialist Date: 11/28/2018

CONDITIONS OF APPROVAL, IF ANY:

COA Type

Description

<u>COA Type</u>	<u>Description</u>

Attachment Check List

Att Doc Num

Name

401852745	OTHER
401852747	ROOT CAUSE

Total Attach: 2 Files

General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
		Stamp Upon Approval

Total: 0 comment(s)

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