

FORM
22
Rev
05/13

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:
02/23/2018

Accident Tracking No.:
401553360

ACCIDENT REPORT

As required by Rule 602.b.

CONTACT INFORMATION

Initial Notice of Accident Subsequent Notice of Accident

OGCC Operator Number: 10459 Contact Name: Jeff Rickard
Name of Operator: EXTRACTION OIL & GAS INC Phone: (720) 737-5144
Address: 370 17TH STREET SUITE 5300 Fax: ()
City: DENVER State: CO Zip: 80202 Email: jrickard@extractionog.com

DESCRIPTION OF ACCIDENT(Please be as specific as possible)

Date of Accident: _____ Time of Accident: _____
API Number: 05- _____ Facility ID: 444315 Type of Facility: LOCATION
Well/Facility Name: Stromberger Well/Facility Num:22-E Pad
County: WELD
Location: QTRQTR: SENE Sec: 22 Twp: 6N Rng: 67W Meridian: 6
Lat: 40.474235 Long: -104.870861
Field Name: WATTENBERG Field Number: 90750

DESCRIPTION

Provide a detailed description of the accident, problems, and cause (equipment failure, human error, etc.): actions taken to provide well control in detail):
See attachment.

OTHER NOTIFICATIONS

List the parties and agencies notified (LDG, County, BLM EPA, DOT, Local Emergency Planning Coordinator or others)

Date	Agency	Contact	Response

OPERATOR COMMENTS and SUBMITTAL

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: Jeff Rickard Email: jrickard@extractionog.com
Signature: _____ Title: Regulatory Compliance Coo Date: 02/23/2018

CONDITIONS OF APPROVAL, IF ANY:

COA Type

Description

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General Comments

User Group

Comment

Comment Date

		Stamp Upon Approval
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Total: 0 comment(s)

Attachment Check List

Att Doc Num

Name

401553360	ACCIDENT REPORT
401553361	OTHER

Total Attach: 2 Files



Incident Location: Stromberger 22-E Pad

Incident Type: Injury, Fire, Property Damage, Release

Incident Date and Time: 12/22/17, 19:45

Date Investigation Began: 12/23/17, still ongoing

- 1. Description of the Incident:** A fire occurred on the pad during flowback operations utilizing tanks, and was contained to the pad. One contract worker was injured, transferred, treated and subsequently released from a local hospital. The fire caused damage to tanks and separation equipment that led to a minor fluid release and additionally caused some wellhead equipment damage. The event was contained to the well site and no firefighting water, foam or hydrocarbon products left the site at any time.
- 2. Sequence of Events:** At approximately 19:45 on 12/22/17 a fire occurred on a portion of the Stromberger 22-E Pad. Local Emergency Response authorities, led by Windsor Severance Fire Rescue responded along with Extraction personnel. With the support of local fire districts, the tanks were suppressed by approximately 02:00 on 12/23/17. Some wellhead equipment nearest to the tank fire was damaged due to heat, and Extraction mobilized specialized, expert wellhead contractors out of an abundance of caution. The personnel on site suppressed and repaired the damaged wellhead by 14:00 on 12/23/17. Contractors were used throughout the incident to supply fresh water and successfully manage runoff from firefighting activities.
- 3. Potential Contributing Factors:** Parties of concern in the incident are currently engaged in an active ongoing investigation. Specialized third party fire investigators are also involved to aid in determining a root cause and contributing factors. At the time of this report, the gas and ignition source are still being investigated. However, Extraction has come to the following conclusions regarding the event and potential fuel and ignition sources:
 - a. Potential Fuel Sources at the temporary tanks**
 - i. Vessels temporarily depressurized to open top tanks (knockout)
 - ii. Green completion tank strapping (manual gauging)
 - iii. Open line or valve, or leak on flash gas management system
 - b. Potential Ignition Sources (spark potential)**
 - i. Mobile equipment
 - ii. Static Electricity
 - iii. Unknown worker activities
- 4. Other Potential Contributing Factors**
 - i. Hazard recognition (hotwork permit failure)



- ii. Temporary equipment spacing
- iii. Sound wall (ventilation)
- iv. Cold inversion, trapping gasses on location
- v. Short Service Employees

5. Corrective Action Implemented: Although the investigation is currently in an active and ongoing process, Extraction has implemented the following actions based on potential sources and contributing factors:

- a. Developed enhanced hotwork planning and setback procedures
- b. Expanded training and enforcement of hotwork permit implementation and management, re-issued STEPS alert to employees and vendors for hazard recognition and proper PPE.
- c. Added additional field management levels for specific flowback activities
- d. Implemented stationary LEL monitoring grid with alarms on all flowback operations
- e. Evaluating and retrofitting sound wall placements or technologies to enhance ventilation
- f. Developed and implementing automated tank gauging on flowback operations
- g. Revised prestart-up safety review (PSSR) of Green Completion flowback setups, including, but not limited to:
 - i. Site layout
 - ii. Grounding requirements
 - iii. Vessel depressurizing procedures
- h. Held meetings with vendors regarding all corrective actions listed above and have scheduled ongoing meetings to continually discuss the process improvements, expectations, updates to policies and site performance.