

UNITED STATES DEPARTMENT OF THE INTERIOR
BUREAU OF SAFETY AND ENVIRONMENTAL ENFORCEMENT
GULF OF MEXICO REGION

ACCIDENT INVESTIGATION REPORT

For Public Release

1. OCCURRED

DATE: 23-SEP-2021 TIME: 1010 HOURS

2. OPERATOR: Talos Energy Offshore LLC

REPRESENTATIVE:

TELEPHONE:

CONTRACTOR:

REPRESENTATIVE:

TELEPHONE:

- STRUCTURAL DAMAGE
- CRANE
- OTHER LIFTING
- DAMAGED/DISABLED SAFETY SYS.
- INCIDENT >\$25K
- H2S/15MIN./20PPM
- REQUIRED MUSTER
- SHUTDOWN FROM GAS RELEASE
- OTHER

3. OPERATOR/CONTRACTOR REPRESENTATIVE/SUPERVISOR ON SITE AT TIME OF INCIDENT:

8. OPERATION:

4. LEASE: G01238

AREA: PL LATITUDE:

BLOCK: 23 LONGITUDE:

- PRODUCTION
- DRILLING
- WORKOVER
- COMPLETION
- HELICOPTER
- MOTOR VESSEL
- PIPELINE SEGMENT NO.
- OTHER

5. PLATFORM: D

RIG NAME:

6. ACTIVITY:

- EXPLORATION(POE)
- DEVELOPMENT/PRODUCTION (DOCD/POD)

9. CAUSE:

7. TYPE:

INJURIES:

HISTORIC INJURY

OPERATOR CONTRACTOR

REQUIRED EVACUATION

LTA (1-3 days)

LTA (>3 days)

RW/JT (1-3 days)

RW/JT (>3 days)

FATALITY

Other Injury

- EQUIPMENT FAILURE
- HUMAN ERROR
- EXTERNAL DAMAGE
- SLIP/TRIP/FALL
- WEATHER RELATED
- LEAK
- UPSET H2O TREATING
- OVERBOARD DRILLING FLUID
- OTHER _____

POLLUTION

FIRE

EXPLOSION

LWC HISTORIC BLOWOUT

UNDERGROUND

SURFACE

DEVERTER

SURFACE EQUIPMENT FAILURE OR PROCEDURES

10. WATER DEPTH: 61 FT.

11. DISTANCE FROM SHORE: 20 MI.

12. WIND DIRECTION:
SPEED: M.P.H.

13. CURRENT DIRECTION:
SPEED: M.P.H.

14. SEA STATE: FT.

15. PICTURES TAKEN:

16. STATEMENT TAKEN:

COLLISION HISTORIC >\$25K <=\$25K

On September 23, 2021 at 1010 hours, a incident occurred on Talos Energy Offshore LLC, South Pelto (PL) 23-D Platform, OCS-G01238, for the Heater Treater (NBK-2900). Between 9/23/2021 and 9/30/2021, two separate incidents on the fire tube of NBK-2900 Heater Treater occurred. The first was an overpressure incident on 9/23/2021 at approximately 1545 hours. The second was discovered during start-up on 9/30/2021, and showed evidence of charred wiring on the EAW-2920 Burner.

On 9/23/2021, the Burner Safety Low (BSL) alarm for EAW-2910 and EAW-2920 went off. Two operators went to investigate. Operator #1 stayed upstairs by the burner and Operator #2 went downstairs to the master panel where the fuel Shutdown Valve (SDV) relay was located. Operator #1 closed the fuel valve for the main burner and pilot for both burners. Operator #2 reset the relay for the fuel valve. At this point, Operator #1 was able to open the fuel SDV to begin to relight the two Burners. Operator #1 opened the fuel valve for the for both burners, then lit the East side burner first. Then, he moved to the West side burner and lit it when a pressure release occurred. Operator #1 shut off the fuel valve immediately after the release. ES&H tested the burner valves for leaks and could not find any.

Root cause seems to be air flow for the stack arrestor that had become restricted from the fire tube fire that occurred on 8/1/2021. Also, before attempting to reignite the burner, residual gas was not sufficiently purged form the burner. Prior to reinstalling the plenum and stack arrestor, no cleaning occurred and only a visual inspection was completed.

After repairs were made and during the process of bringing the burner back online, a second incident occurred. On 9/30/2021, the BSL and TSH tripped on EAW 2920 West side burner. Operators proceeded to shut the valves on the heater treater, and removed the cover to inspect it. Once the cover was removed, evidence of charring on the insulation of the igniter wire and the ground wire was noticed.

Talos Energy has put the burner section of NBK-2900 Heater Treater Out of Service (OOS) for good and has no plans of returning EAW 2910 and EAW 2920 back to service.

18. LIST THE PROBABLE CAUSE(S) OF ACCIDENT:

Air flow in stack arrestor was restricted from the previous fire tube event. There was not sufficient purge time between when the BSL occured and the operator tried to relight the burner.

19. LIST THE CONTRIBUTING CAUSE(S) OF ACCIDENT:

Failure to properly clean flame arrestor after fire the occured on August 1, 2021.

20. LIST THE ADDITIONAL INFORMATION:

n/a

21. PROPERTY DAMAGED:

NATURE OF DAMAGE:

Burner EAW 2910

Fire Damage

Burner EAW 2920

ESTIMATED AMOUNT (TOTAL):

22. RECOMMENDATIONS TO PREVENT RECURRANCE NARRATIVE:

The Houma District has no recommendations to OII at this time.

23. POSSIBLE OCS VIOLATIONS RELATED TO ACCIDENT: NO

24. SPECIFY VIOLATIONS DIRECTLY OR INDIRECTLY CONTRIBUTING. NARRATIVE:

None

For Public Release

25. DATE OF ONSITE INVESTIGATION:

28. ACCIDENT CLASSIFICATION:

26. INVESTIGATION TEAM MEMBERS:

29. ACCIDENT INVESTIGATION

PANEL FORMED: **NO**

OCS REPORT:

Bruce Crabtree /

27. OPERATOR REPORT ON FILE:

30. DISTRICT SUPERVISOR:

Amy Pellegrin

APPROVED

DATE:

08-DEC-2021