# Accident Investigation Report

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

## ACCIDENT INVESTIGATION REPORT

1. **Occurred**
   - **DATE:** 23-SEP-2021  
   - **TIME:** 1010 HOURS

2. **Operator:** Talos Energy Offshore LLC  
   - **Representative:**  
   - **TelephoneNumber:**  
   - **Contractor:**  
   - **Representative:**  
   - **TelephoneNumber:**

3. **Operator/Contractor Representative/Supervisor**
   - **On Site at Time of Incident:**

4. **Lease:** G01238  
   - **Area:** PL  
   - **Latitude:** 23  
   - **Longitude:**

5. **Platform:** D  
   - **Rig Name:**

6. **Activity:** Exploration (POE)  
   - **Development/Production (DOCD/POD)**

7. **Type:** Equipment Failure  
   - **Injuries:**
     - HISTORIC INJURY  
     - REQUIRED EVACUATION  
     - LTA (1-3 days)  
     - LTA (>3 days)  
     - RW/JT (1-3 days)  
     - RW/JT (>3 days)  
     - FATALITY  
     - Other Injury

8. **Operation:**
   - **Production**  
   - **Drilling**  
   - **Workover**  
   - **Completion**  
   - **Helicopter**  
   - **Motor Vessel**  
   - **Pipeline Segment No.**  
   - **Other**

9. **Cause:**
   - **Equipment Failure**  
   - **Human Error**  
   - **External Damage**  
   - **Slip/Trip/Fall**  
   - **Weather Related**  
   - **Leak**  
   - **Upset H2O Treating**  
   - **Overboard Drilling Fluid**  
   - **Other**

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:**

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For Public Release

MMS - FORM 2010  
EV2010R  
15-DEC-2021
17. INVESTIGATION FINDINGS:

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 occurred 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 occurred 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:
25. DATE OF ONSITE INVESTIGATION:

26. INVESTIGATION TEAM MEMBERS:
   Bruce Crabtree /

27. OPERATOR REPORT ON FILE:

28. ACCIDENT CLASSIFICATION:

29. ACCIDENT INVESTIGATION
   PANEL FORMED:  NO
   OCS REPORT:

30. DISTRICT SUPERVISOR:
   Amy Pellegrin

APPROVED
DATE:  08-DEC-2021