

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

ACCIDENT INVESTIGATION REPORT

1. OCCURRED

DATE: 03-MAR-2022 TIME: 0315 HOURS

2. OPERATOR: EnVen Energy Ventures, LLC

REPRESENTATIVE:

TELEPHONE:

CONTRACTOR: Nabors Offshore Corporation

REPRESENTATIVE:

TELEPHONE:

- STRUCTURAL DAMAGE
- CRANE
- OTHER LIFTING
- DAMAGED/DISABLED SAFETY SYS.
- INCIDENT >\$25K Generator
- 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: G12136

AREA: EW LATITUDE:

BLOCK: 873 LONGITUDE:

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

5. PLATFORM: A (LOBSTER)

RIG NAME: NABORS MODS 200

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: 775 FT.

11. DISTANCE FROM SHORE: 66 MI.

12. WIND DIRECTION: NE
SPEED: 5 M.P.H.

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

14. SEA STATE: 0 FT.

15. PICTURES TAKEN:

16. STATEMENT TAKEN:

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

17. INVESTIGATION FINDINGS:

On March 3, 2022, an incident occurred on the Nabors MODS 200 working under contract for EnVen Energy Ventures, LLC. Completion operations were being conducted at Ewing Banks Block 873 Platform A (Lobster), OCS-G-12136 Well #A011. The diesel engine for the #3 generator threw a rod out of the side of the engine block allowing hot oil to spray on some air filters. The filters ignited causing a fire in the engine room. The fire was extinguished, no injuries were reported, and an onsite investigation was initiated.

On the morning of March 3, 2022, the drill crew was going in the well with drill pipe when the Nabors Motorman notified the Nabors Driller that there was a fire in the engine room. The Driller activated the fire alarm, then secured the well. The #3 engine broke a piston rod allowing it to come through the side of the engine block. This allowed hot motor oil to spray onto nearby stored air filters causing them to catch fire. The Motorman attempted to shut down the diesel engine from the control panel in the engine room but was unsuccessful. The Motorman then proceeded to the Variable Frequency Drive (VFD) and was successful in shutting down the engine. The platform Emergency Shut Down (ESD) was activated and a muster of all personnel was initiated with all accounted for. The Motorman and the night drill crew extinguished the fire using eleven 20 lb. fire extinguishers. There were no injuries reported and an investigation was initiated.

Investigation:

The Bureau of Safety and Environmental Enforcement (BSEE) conducted an onsite investigation on March 3, 2022, which included collecting rig documentation and taking pictures. The investigation team learned thru reviewing Nabor's documents that there were spare engine air filters stored in the vicinity of the #3 diesel engine due to the lack of storage space. Evidence and pictures show that the piston rod broke in the #3 engine, allowing it to penetrate the engine housing. According to Nabors component information document, the engine sump contained 220 gallons of SAE 15W40 oil. Once the engine housing was cracked, hot motor oil was sprayed threw out the area while the engine continued to run. The spare engine air filters were doused with hot motor oil causing them to ignite. The Motorman attempted to shut down the engine from the engine control panel but was unsuccessful. He immediately went to the VFD and fuel source and successfully stopped the engine. The Motorman and the night drill crew extinguished the fire with dry chemical extinguishers then used a water hose after to cool down the area and prevent re-ignition.

Nabors sent a report to all Nabors Offshore Corporation (NOC) rigs with direction from the Operations Manager that no flammable material may be stored in the engine room for any reason. Also, Nabors Corporate Preventative Maintenance team will research and review engine failures versus their preventative maintenance practices.

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

Equipment Failure: Piston rod failed.

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

Piston rod penetrated engine housing allowing hot oil to spray on stored air filters.

20. LIST THE ADDITIONAL INFORMATION:

n/a

21. PROPERTY DAMAGED:

NATURE OF DAMAGE:

Yes

Broken piston & Cracked engine housing.

ESTIMATED AMOUNT (TOTAL): \$254,000

22. RECOMMENDATIONS TO PREVENT RECURRENCE NARRATIVE:

BSEE Houma District has no recommendations for the Office of Incident Investigations at this time.

23. POSSIBLE OCS VIOLATIONS RELATED TO ACCIDENT: **NO**

24. SPECIFY VIOLATIONS DIRECTLY OR INDIRECTLY CONTRIBUTING. NARRATIVE:

None

25. DATE OF ONSITE INVESTIGATION:

03-MAR-2022

28. ACCIDENT CLASSIFICATION:

26. INVESTIGATION TEAM MEMBERS:

Tim Boudreaux / Jeremy Sonnier / Clint Campo / Paul Reeves (Author) /

29. ACCIDENT INVESTIGATION

PANEL FORMED: **NO**

OCS REPORT:

27. OPERATOR REPORT ON FILE:

30. DISTRICT SUPERVISOR: **Amy**

Pellegrin

APPROVED

DATE:

28-JUL-2022