# Accident Investigation Report

**For Public Release**

### 1. Occurred

- **DATE:** 23-NOV-2020  
- **TIME:** 0700  
- **OPERATOR:** Shell Offshore Inc.  
- **CONTRACTOR:** Transocean Offshore

### 2. Operator/Contractor Representative/Supervisor

- **ON SITE AT TIME OF INCIDENT:**  
- **LEASE:** G26253  
- **AREA:** MC  
- **BLOCK:** 392  
- **PLATFORM:** T.O. Deepwater Proteus  
- **RIG NAME:** T.O. Deepwater Proteus  
- **ACTIVITY:** EXPLORE(DOE)  
- **OPERATION:** DEVELOPMENT/PRODUCTION

### 3. Injuries

- **HISTORIC INJURY**  
- **REQUIRED EVACUATION**  
- **LTA (1-3 days)**  
- **LTA (>3 days)**  
- **RW/JT (1-3 days)**  
- **RW/JT (>3 days)**  
- **PATIALITY**  
- **Other Injury**

### 4. Equipment Failure or Procedures

- **HISTORIC BLOWOUT**  
- **UNDERGROUND**  
- **SURFACE**  
- **DEVERTER**  
- **SURFACE EQUIPMENT FAILURE OR PROCEDURES**

### 5. Other

- **HUMAN ERROR**  
- **EXTERNAL DAMAGE**  
- **SLIP/TRIP/FALL**  
- **WEATHER RELATED**  
- **LEAK**  
- **OVERBOARD DRILLING FLUID**

### 6. Cause

- **EQUIPMENT FAILURE**
- **HUMAN ERROR**
- **EXTERNAL DAMAGE**
- **SLIP/TRIP/FALL**
- **WEATHER RELATED**
- **LEAK**
- **OVERBOARD DRILLING FLUID**

### 7. Water Depth

- **7257 FT.**

### 8. Distance from Shore

- **152 MI.**

### 9. Wind Direction

- **NE**

### 10. Current Direction

- **ENE**

### 11. Sea State

- **6 FT.**

### 12. Wind Speed

- **21 M.P.H.**

### 13. Current Speed

- **1 M.P.H.**

### 14. Pictures Taken

- **6 FT.**

### 15. Statement Taken

- **$>$25K**
- **<=25K**
- **$>$25K**
- **<=25K**

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MMS - FORM 2010

EV2010R

PAGE: 1 OF 4

16-JUN-2021
17. INVESTIGATION FINDINGS:

INCIDENT SUMMARY:

On November 23, 2020 at approximately 07:30 hours, Shell Offshore INC. (Shell) had an injury on the Transocean Deepwater Proteus drillship at Mississippi Canyon 392 during drilling operations. The injured person (IP) was evacuated to Aims Clinic in Houma, LA. At 13:59 hours November 23, 2020, Shell reported the incident to the Bureau of Safety and Environmental Enforcement (BSEE) New Orleans District (NOD).

SEQUENCE OF EVENTS:

Two subsea personnel attempted to fit a Choke and Kill test cap on a gooseneck located on the Well Test Deck. The workers were able to position the cap onto the gooseneck, but unable to fully engage it. The subsea personnel called a time-out for safety and to formulate a plan to use a "Come Along" hoist to assist in engaging the cap into position. One of the subsea personnel placed his hands on the deck to reposition himself. The test cap came loose from the gooseneck due to the come-along chain shifting as tension increased. The test cap, which weighed 91 lbs, fell 2 ft to the deck and struck the worker's right thumb. The IP's right thumb was protected with an impact-resistant glove. The IP received first-aid treatment before the shore-based physician directed the IP be sent ashore for further evaluation. The doctor’s evaluation revealed a (distal) thumb fracture requiring surgical repair.

BSEE INVESTIGATION:

The BSEE incident investigation consisted of communicating with the Company and HSE representatives on location. BSEE requested daily reports, pictures, witness statements, work permits, and procedures.

CONCLUSIONS:

The BSEE investigation determined the probable cause to be the use of an incorrect Choke and Kill test cap and the subsea personnel should have contacted the Transocean supervisor when it was discovered the cap didn’t fit. The investigation also determined that the personnel did not identify the safest means to lift and secure the test cap while trying to engage it into to the gooseneck (by not utilizing lifting aids and staying out of the line of fire for potential drops).

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

1) Incorrect test cap was used to fit on the mud boost gooseneck; and 2) the possibility for the cap to drop was not adequately considered.

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

- Transocean Supervisor was not contacted when plans changed and personnel decided to use a come-along to assist in engaging the cap in position.

20. LIST THE ADDITIONAL INFORMATION:

MMS - FORM 2010
EV2010R
PAGE:  2 OF 4
16-JUN-2021
21. PROPERTY DAMAGED: N/A  NATURE OF DAMAGE: N/A

ESTIMATED AMOUNT (TOTAL): $ 

22. RECOMMENDATIONS TO PREVENT RECURRANCE NARRATIVE: 
The BSEE NOD office makes no recommendations 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: 
   Frank Musacchia /

27. OPERATOR REPORT ON FILE: 

28. ACCIDENT CLASSIFICATION: 

29. ACCIDENT INVESTIGATION PANEL FORMED: NO
   OCS REPORT: 

30. DISTRICT SUPERVISOR: 
   David Trocquet

APPROVED DATE: 28-MAY-2021