

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: **02-JUN-2023** TIME: **1230** HOURS

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

2. OPERATOR: **Apache Corporation**

REPRESENTATIVE:

TELEPHONE:

CONTRACTOR: **Gulf Coast Marine**

REPRESENTATIVE:

TELEPHONE:

3. OPERATOR/CONTRACTOR REPRESENTATIVE/SUPERVISOR

ON SITE AT TIME OF INCIDENT:

8. OPERATION:

4. LEASE: **G02757**

AREA: **HI** LATITUDE:

BLOCK: **A 382** LONGITUDE:

- PRODUCTION
- DRILLING
- WORKOVER
- COMPLETION
- HELICOPTER
- MOTOR VESSEL
- PIPELINE SEGMENT NO.
- OTHER **Repair & Maint.**

5. PLATFORM: **F**

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

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

10. WATER DEPTH: **345** FT.

11. DISTANCE FROM SHORE: **107** 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:

17. INVESTIGATION FINDINGS:

For Public Release

On June 2, 2023, at 12:30 hours, Apache Corporation (Apache) reported a crane incident had occurred at High Island A 382 F (HIA 382 F) facility, lease G-02757. While conducting crane operations, the crane boom contacted with the boom stop, causing damage to the boom heel section cords. The estimated cost of replacement is \$50,000.00, there was no injuries or pollution reported with this incident.

On June 22, 2023, the Bureau of Safety and Environmental Enforcement (BSEE) Lake Jackson District Inspectors conducted an onsite investigation at HIA 382 F facility. They collected documentation, maintenance records, Crane pre-use and annual inspection records, witness statements, and photos were taken. Apache failed to properly notify BSEE Lake Jackson District of this incident as directed in Notice to Lessee 2018-G02, causing a delay of eighteen days from incident date to the Lake Jackson District's investigation, on June 22, 2023.

The investigation revealed, after the Rigger unhooked the personnel basket, he gave the standard hand signal to lower the fast line, hold the ball level, and raise the boom at the same time to the Crane Operator. The Crane Operator was focusing on booming up and holding the ball level, and heard a loud bang. The Crane Operator immediately let go of control leavers after realizing that the loud bang was the load block that swung into the crane boom, due to the boom being raised too high of an angle. The crane boom cords had contacted the boom stops, resulting in dents on the boom cords. The Crane Operator immediately shut the crane down, informed the Crane Mechanic, and the crane was taken out of service.

The Crane Operator stated, he relied on the High Angle Kick Out limit switch to stop the boom from booming up too far. The Crane Operator displayed a lack of operational awareness of the angle of the crane boom, and indicated this was his normal operating procedure when operating a crane.

The BSEE Lake Jackson District concluded that the Crane Operator inattentiveness of the crane boom angle, was the cause of this incident, and the failure of the high angle kick out safety system contributed to this incident.

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

Crane Operator inattentiveness of the boom angle result in the damage of the crane boom.

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

Failure of High Angle Kick Out safety system, attributed to this incident.

20. LIST THE ADDITIONAL INFORMATION:

None

21. PROPERTY DAMAGED:

NATURE OF DAMAGE:

Heel Section of Crane boom.

Bent Boom

ESTIMATED AMOUNT (TOTAL): \$50,000

22. RECOMMENDATIONS TO PREVENT RECURRANCE NARRATIVE:

Apache Corporation is Retraining Crane Operator.

23. POSSIBLE OCS VIOLATIONS RELATED TO ACCIDENT: YES

24. SPECIFY VIOLATIONS DIRECTLY OR INDIRECTLY CONTRIBUTING. NARRATIVE:

G 110 (C) Lessee failed to ensure all JSA's are properly filled out and signed.

G 132 (W) Lessee failed to report Crane incident properly as required by Notice to Lessee

25. DATE OF ONSITE INVESTIGATION:

22-JUN-0202

28. ACCIDENT CLASSIFICATION:

26. Investigation Team Members/Panel Members:

Steven Cline / Marcus Bianca /

29. ACCIDENT INVESTIGATION PANEL FORMED:

NO

27. OPERATOR REPORT ON FILE:

OCS REPORT:

30. DISTRICT SUPERVISOR:

Stephen Martinez

APPROVED

DATE:

14-AUG-2023