

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

ACCIDENT INVESTIGATION REPORT

1. OCCURRED

DATE: 16-JAN-2010 TIME: 0400 HOURS

2. OPERATOR: W & T Offshore, Inc.

REPRESENTATIVE: Salter, Jeff

TELEPHONE: (504) 210-8167

CONTRACTOR:

REPRESENTATIVE:

TELEPHONE:

3. OPERATOR/CONTRACTOR REPRESENTATIVE/SUPERVISOR

ON SITE AT TIME OF INCIDENT:

4. LEASE: G12008

AREA: SS LATITUDE:

BLOCK: 349 LONGITUDE:

5. PLATFORM: A

RIG NAME:

6. ACTIVITY: EXPLORATION (POE)

DEVELOPMENT/PRODUCTION
(DOCD/POD)

7. TYPE:

HISTORIC INJURY

REQUIRED EVACUATION

LTA (1-3 days)

LTA (>3 days)

RW/JT (1-3 days)

RW/JT (>3 days)

Other Injury

FATALITY

POLLUTION

FIRE

EXPLOSION

LWC HISTORIC BLOWOUT

UNDERGROUND

SURFACE

DEVERTER

SURFACE EQUIPMENT FAILURE OR PROCEDURES

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

STRUCTURAL DAMAGE

CRANE

OTHER LIFTING DEVICE

DAMAGED/DISABLED SAFETY SYS. SSV Actuator Housing

INCIDENT >\$25K

H2S/15MIN./20PPM

REQUIRED MUSTER

SHUTDOWN FROM GAS RELEASE

OTHER

6. OPERATION:

PRODUCTION

DRILLING

WORKOVER

COMPLETION

HELICOPTER

MOTOR VESSEL

PIPELINE SEGMENT NO.

OTHER

8. CAUSE:

EQUIPMENT FAILURE

HUMAN ERROR

EXTERNAL DAMAGE

SLIP/TRIP/FALL

WEATHER RELATED

LEAK

UPSET H2O TREATING

OVERBOARD DRILLING FLUID

OTHER _____

9. WATER DEPTH: 372 FT.

10. DISTANCE FROM SHORE: 81 MI.

11. WIND DIRECTION: N
SPEED: 1 M.P.H.

12. CURRENT DIRECTION: N
SPEED: 1 M.P.H.

13. SEA STATE: 1 FT.

17. INVESTIGATION FINDINGS:

On 16 January 2010 at approximately 0400 hours, the SS 349 Well A-11 actuator housing blew off and rocketed across the well bay striking and denting Well A-12 while automatically shutting-in Well A-11. No personnel were in the well bay area at the time of the incident, and there was no pollution resulting from this incident.

B & B Oilfield Services was called to review the failure, but due to inclement weather they were not able to make it to the platform with a new actuator until 17 January 2010. At approximately 0930 hours, B & B began gathering information for root cause analysis by collecting the broken and scattered pieces of the actuator housing. Minor damage was noted to the threads for the valve stem lockout cap. A new actuator was installed, the actuator bolts changed and the valve function tested several times. Well A-11 utilizes a hydraulic actuator with a rated working pressure of 5000 psi and a hydraulic panel operating at 4000 psi for opening the Surface Safety Valve (SSV). Valve service technicians inspected all actuators and determined that all eight bolts holding the actuator to the valve assembly failed. The failed actuator housing bolts and the destroyed parts of the housing were sent for failure analysis to WH Laboratory. Well A-11 remained shut-in until 1330 hours on 17 January 2010, with a cumulative estimated downtime of approximately 33 hours.

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

The Well A-1 actuator housing bolts blew off as a result of corroded housing bolts.

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

N/A

20. LIST THE ADDITIONAL INFORMATION:

Currently awaiting failure analysis results for the acuator housing bolts from WH Laboratory.

Well A-12 and Well A-11.

Well A-12 dented from the actuator housing collision, and Well A-11 valve stem lockout cap threads were damaged.

ESTIMATED AMOUNT (TOTAL): \$2,500

22. RECOMMENDATIONS TO PREVENT RECURRANCE NARRATIVE:

Due to the specific nature of this incident, the Houma District has no recommendation to report the regional office.

23. POSSIBLE OCS VIOLATIONS RELATED TO ACCIDENT: NO

24. SPECIFY VIOLATIONS DIRECTLY OR INDIRECTLY CONTRIBUTING. NARRATIVE:

N/A

25. DATE OF ONSITE INVESTIGATION:

26. ONSITE TEAM MEMBERS:

Ronald Washington /

29. ACCIDENT INVESTIGATION

PANEL FORMED: NO

OCS REPORT:

30. DISTRICT SUPERVISOR:

Bryan A. Domangue

APPROVED

DATE: 16-MAR-2010