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

ACCIDENT INVESTIGATION REPORT

1. OCCURRED

   DATE: **18-JUN-2005** TIME: **2315** HOURS

2. OPERATOR: **Chevron U.S.A. Inc.**

   REPRESENTATIVE: **Tim Guidry**

   TELEPHONE: **(337) 989-3829**

3. LEASE: **G02047**

   AREA: **EC** LATITUDE:

   BLOCK: **272** LONGITUDE:

4. PLATFORM: **D**

   RIG NAME

5. ACTIVITY:
   - [ ] EXPLORATION(POE)
   - [X] DEVELOPMENT/PRODUCTION (DOCD/POD)

6. TYPE:
   - [X] FIRE
   - [X] EXPLOSION
   - [ ] BLOWOUT
   - [ ] COLLISION
   - [ ] INJURY NO. **0**
   - [ ] FATALITY NO. **0**
   - [ ] POLLUTION
   - [ ] OTHER

7. OPERATION:
   - [X] PRODUCTION
   - [ ] DRILLING
   - [ ] WORKOVER
   - [ ] COMPLETION
   - [ ] MOTOR VESSEL
   - [ ] PIPELINE SEGMENT NO.
   - [ ] OTHER

8. CAUSE:
   - [X] EQUIPMENT FAILURE
   - [ ] HUMAN ERROR
   - [ ] EXTERNAL DAMAGE
   - [ ] SLIP/TRIP/FALL
   - [ ] WEATHER RELATED
   - [ ] LEAK
   - [ ] UPSET H2O TREATING
   - [ ] OVERBOARD DRILLING FLUID
   - [ ] OTHER

9. WATER DEPTH: **182** FT.

10. DISTANCE FROM SHORE: **79** MI.

11. WIND DIRECTION: **ESE**

    SPEED: **3** M.P.H.

12. CURRENT DIRECTION:

    SPEED: M.P.H.

13. SEA STATE: FT.

14. PICTURES TAKEN: **YES**

15. STATEMENT TAKEN: **YES**

16. OPERATOR REPRESENTATIVE/ SUPERVISOR ON SITE AT TIME OF INCIDENT:

    Kenneth Strange

    CITY: **Lafayette** STATE: **LA**

    TELEPHONE: **(337) 989-3829**

    CONTRACTOR: **Danos & Curole Marine Contractors, Inc.**

    CONTRACTOR REPRESENTATIVE/ SUPERVISOR ON SITE AT TIME OF INCIDENT:

    CITY: STATE:

    TELEPHONE:

17. DESCRIBE IN SEQUENCE HOW ACCIDENT HAPPENED:

Gas blow-by occurred from the H.P. separator water dump, which in turn dumps to the produced water skimmer. The skimmer operates in atmospheric service and the vent gas off the skimmer relieves to the oil stock tank which has two primary VPSV's and two secondary VPSV's. When the primary vents could not keep up with the amount of gas being relieved to the oil stock tank, the secondary vents which are local vents relieved causing a large accumulation of gas next to the gas compressor and generator building and the fire occurred.

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

1. Liquid level dump controller on the H.P. separator malfunctioned allowing gas blow-by to the oil stock tank.
2. Secondary VPSV's on the oil stock tank relieved a large volume of gas which accumulated in a hazardous area.
3. Generator building not being properly isolated allowed a high concentration of gas to migrate inside the building.

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

1. Operators were not very familiar with the entire process flow and panel logic on the platform.

2. Operator failed to address critical warning signs which occurred early during the day.
- **a. Several gas alarms in the gas generator building. (doors to building open)**
- **b. LSL liquid level switch on the H.P. separator malfunction.**
- **c. Liquid level dump controller on the H.P. separator malfunction.**
- **d. Increase fluid production in the H.P. separator.**
- **e. H.P. separator panel logic problems not allowing both H.P. wells to shut-in.**

20. LIST THE ADDITIONAL INFORMATION:

21. PROPERTY DAMAGED:

Electrical components

NATURE OF DAMAGE:

Minor

ESTIMATED AMOUNT (TOTAL): **$150,000**

22. RECOMMENDATIONS TO PREVENT RECURRANCE NARRATIVE:

23. POSSIBLE OCS VIOLATIONS RELATED TO ACCIDENT: **YES**

24. SPECIFY VIOLATIONS DIRECTLY OR INDIRECTLY CONTRIBUTING. NARRATIVE:

G-110 Operator failed to perform operations in a safe manner.
*** Inadequate supervision and operator oversight led to a unsafe work environment.**
*** The lessee failed to ensure that the personnel assigned to the facility were fully capable of operating the facility in a safe manner.**
*** Personnel onboard the facility failed to utilize company STOP work authority policy which allowed critical warning signs to be overlooked.**
*** Improper isolation of the gas generator building allowed a high concentration of gas to migrate inside the building resulting in a flash fire.**

25. DATE OF ONSITE INVESTIGATION:

20-JUN-2005

26. ONSITE TEAM MEMBERS:

Royce Buford / Milford Cole / Eric Fontenot / Wayne Meaux / Scott Mouton /

27. OPERATOR REPORT ON FILE: **YES**

28. ACCIDENT CLASSIFICATION:

MAJOR

29. ACCIDENT INVESTIGATION PANEL FORMED: **NO**

OCS REPORT:

30. DISTRICT SUPERVISOR:

Larry Williamson

APPROVED

DATE: **23-AUG-2005**