

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

1. OCCURRED

DATE: **07-SEP-2007** TIME: **0615** HOURS

2. OPERATOR: **Eni US Operating Co. Inc.**

REPRESENTATIVE: **Sachitana, Susan**

TELEPHONE: **(504) 593-7260**

CONTRACTOR:

REPRESENTATIVE:

TELEPHONE:

- STRUCTURAL DAMAGE
- CRANE
- OTHER LIFTING DEVICE
- DAMAGED/DISABLED SAFETY SYS.
- INCIDENT >\$25K
- H2S/15MIN./20PPM
- REQUIRED MUSTER
- SHUTDOWN FROM GAS RELEASE
- OTHER **Evacuated 78 people from rig**

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

6. OPERATION:

4. LEASE: **G27858**

AREA: **VR** LATITUDE:

BLOCK: **167** LONGITUDE:

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

5. PLATFORM:

RIG NAME: **ROWAN JUNEAU**

6. ACTIVITY:

- EXPLORATION(POE)
- DEVELOPMENT/PRODUCTION
(DOCD/POD)

8. CAUSE:

- EQUIPMENT FAILURE
- HUMAN ERROR
- EXTERNAL DAMAGE
- SLIP/TRIP/FALL
- WEATHER RELATED
- LEAK
- UPSET H2O TREATING
- OVERBOARD DRILLING FLUID
- OTHER **failure primary cement job.**

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

9. WATER DEPTH: **92** FT.

10. DISTANCE FROM SHORE: **41** MI.

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

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

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

13. SEA STATE: FT.

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

17. DESCRIBE IN SEQUENCE HOW ACCIDENT HAPPENED:

Cement sheath on the conductor casing appears to have failed, allowing a shallow gas sand located below the drive pipe shoe to start flowing. This resulted in gas venting to surface between the conductor and drive pipe.

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

Cement sheath failure allowing gas to vent to the surface.

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

- * Possible contamination of the cement slurry during primary cementing operations.
- * Possible formation of a channel in the cement sheath caused by gas migration from the shallow gas sand below the drive pipe.
- * Possible propagation of the channel caused by thermal expansion of the cement sheath due to the high temperature of the circulating drilling fluids.
- * Possible propagation of the channel caused by mechanical vibration.

20. LIST THE ADDITIONAL INFORMATION:

This incident did not result in any injury to personnel or pollution of the gulf waters.

21. PROPERTY DAMAGED:

N/A

NATURE OF DAMAGE:

N/A

ESTIMATED AMOUNT (TOTAL):

22. RECOMMENDATIONS TO PREVENT RECURRENCE NARRATIVE:

N/A

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

24. SPECIFY VIOLATIONS DIRECTLY OR INDIRECTLY CONTRIBUTING. NARRATIVE:

25. DATE OF ONSITE INVESTIGATION:

20-SEP-2007

26. ONSITE TEAM MEMBERS:

**Troy Roberie / Bill Olive / Dave
Moore /**

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

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

OCS REPORT:

30. DISTRICT SUPERVISOR:

Larry Williamson

APPROVED

DATE: **03-JAN-2008**