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

ACCIDENT INVESTIGATION REPORT

1. OCCURRED
   DATE: **28-AUG-2007** TIME: **1430** HOURS

2. OPERATOR: **Eni US Operating Co. Inc.**
   REPRESENTATIVE: **Sachitana, Susan**
   TELEPHONE: **(504) 593-7260**
   CONTRACTOR: **Rowan Drilling**
   REPRESENTATIVE: **Tom Caldwell**
   TELEPHONE: **(832) 462-7581**

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

4. LEASE: **G27858**
   AREA: **VR** LATITUDE: **28.90790889**
   BLOCK: **167** LONGITUDE: **-92.38736556**

5. PLATFORM:
   RIG NAME: **ROWAN JUNEAU**

6. ACTIVITY:
- [X] 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
- [X] 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.
- [ ] INCIDENT >$25K
- [ ] H2S/15MIN./20PPM
- [ ] REQUIRED MUSTER
- [ ] SHUTDOWN FROM GAS RELEASE
- [ ] OTHER

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

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

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

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

11. WIND DIRECTION: **NE**
    SPEED: **2** M.P.H.

12. CURRENT DIRECTION: **ESE**
    SPEED: **0** M.P.H.

13. SEA STATE: **2** FT.

17. DESCRIBE IN SEQUENCE HOW ACCIDENT HAPPENED:

A two inch fill up-line going from the rig mud pit area to the trip tank developed a small hole, on 28/August/2007. A contractor rep. observed light rainbow sheen at stern of rig, it was determined that the sheen was caused by a leak from corrosion of a two inch transport line for drilling fluids from the mud pits to the trip tank. The two inch line went through the rig pre-load tank en-route to the trip tank. The leak occurred in the pre-load tank where the diesel based mud migrated through the pre-load tank dump valve overboard into the OCS Waters. Pre-load valve was partially open at the time. When the pollution was discovered the valve was closed completely containing the leak. The well bore fluid being transferred to the trip tank was 9.9 Versadrill, with a 64% diesel base. Calculation estimates indicate that approx. 2.0 bbls of the diesel based fluid entered the gulf. The sheen was approx. 20ft wide by 100ft. long.

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

*** Corroded two inch fill-up line, routed through rig pre-load tank developed a leak and allowed the transfered fluid to migrate from the pre-load tank and out the open ended valve on the pre-load tank.**
*** Lack of diligence with regards to checking all equipment for pollution prevention measures before starting the transfer of diesel based fluids.**

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

*** Lack of preventive maintenance (Corrosion)**
*** Pre-load tank dump valve partially open**

20. LIST THE ADDITIONAL INFORMATION:

Line terminated and re-routed, Drilling fluid removed from pre-load tank.
The amount of diesel based mud that entered the gulf waters was estimated at 2.0 bbls.

21. PROPERTY DAMAGED:

None

NATURE OF DAMAGE:

Pollution of OCS waters.

ESTIMATED AMOUNT (TOTAL):

22. RECOMMENDATIONS TO PREVENT RECURRANCE NARRATIVE:

None

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

24. SPECIFY VIOLATIONS DIRECTLY OR INDIRECTLY CONTRIBUTING. NARRATIVE:

E-100 Is lessee preventing pollution of offshore waters? CFR 250.300 (a)

25. DATE OF ONSITE INVESTIGATION:

30-AUG-2007

26. ONSITE TEAM MEMBERS:

Bill Olive /

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

OCS REPORT:

30. DISTRICT SUPERVISOR:

Larry Williamson

APPROVED

DATE: **10-DEC-2007**

POLLUTION ATTACHMENT

1. VOLUME: GAL **1.28** BBL

   YARDS LONG X YARDS WIDE

   APPEARANCE: **SILVERY SHEEN**

2. TYPE OF HYDROCARBON RELEASED:
   - [ ] OIL
   - [X] DIESEL
   - [ ] CONDENSATE
   - [ ] HYDRAULIC
   - [ ] NATURAL GAS
   - [X] OTHER **oil based mud**

3. SOURCE OF HYDROCARBON RELEASED: **Open valve on the pre-load tank.**

4. WERE SAMPLES TAKEN? **NO**

5. WAS CLEANUP EQUIPMENT ACTIVATED? **NO**

   IF SO, TYPE:
   - [ ] SKIMMER
   - [ ] CONTAINMENT BOOM
   - [ ] ABSORPTION EQUIPMENT
   - [ ] DISPERSANTS
   - [ ] OTHER _____

6. ESTIMATED RECOVERY: GAL BBL

7. RESPONSE TIME: HOURS

8. IS THE POLLUTION IN THE PROXIMITY OF AN ENVIRONMENTALLY SENSITIVE AREA (CLASS I)? **NO**

9. HAS REGION OIL SPILL TASK FORCE BEEN NOTIFIED? **NO**

10. CONTACTED SHORE: **NO** IF YES, WHERE:

11. WERE ANY LIVE ANIMALS OBSERVED NEAR: **NO**

12. WERE ANY OILED OR DEAD ANIMALS OBSERVED NEAR SPILL: **NO**