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

1. OCCURRED
   DATE: 18-NOV-2006  TIME: 1315  HOURS
   STRUCTURAL DAMAGE
   CRANE
   OTHER LIFTING DEVICE
   DAMAGED/DISABLED SAFETY SYS.
   INCIDENT >$25K
   H2S/15MIN./20PPM
   REQUIRED MUSTER
   SHUTDOWN FROM GAS RELEASE
   OTHER

2. OPERATOR: Dominion Exploration & Production
   REPRESENTATIVE: Steve Stegeman
   TELEPHONE: (504) 289-0617
   CONTRACTOR:
   REPRESENTATIVE: Roy Bennet
   TELEPHONE: (832) 462-7571
   Operators/Contractor Representative/Supervisor
   On site at time of incident:

3. LEASE: G12761
   AREA: WC  LATITUDE:
   BLOCK: 130  LONGITUDE:

4. PLATFORM:
   RIG NAME: ROWAN BOB PALMER (GORILLA RIG)

5. ACTIVITY:
   EXPLORATION (POE)

6. TYPE:
   EQUIPMENT FAILURE
   HUMAN ERROR
   EXTERNAL DAMAGE
   SLIP/TRIP/FALL
   WEATHER RELATED
   LEAK
   UPSET H2O TREATING
   OVERBOARD DRILLING FLUID
   OTHER

7. WATER DEPTH:
   50 FT.

8. DISTANCE FROM SHORE:
   35 MI.

9. WIND DIRECTION:
   SPEED:

10. CURRENT DIRECTION:
    SPEED:

11. SEA STATE:
    FT.
17. DESCRIBE IN SEQUENCE HOW ACCIDENT HAPPENED:

A meeting was held on December 12, 2006 with representatives of Dominion Exploration & Production, Inc. to discuss the well control and pollution incident that occurred on November 18, 2006. The meeting established that the well control / pollution incident was the result of inadequate training of rig personnel on proper procedure(s) for backing out hold-down pins in the wellhead flange. Once the packing gland nut had backed out to the point where insufficient threads were available to hold the nut in the wellhead flange the fluid pressure in the well forced the packing gland nut / hold-down pin from the wellhead flange. Which resulted in the loss of well control and the spilling of mineral oil-based mud into the Gulf.

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

Inadequate training of rig personnel. Failure to recognize the packing gland nut was backing out along with the hold-down pin.

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

1. Loss of circulation during liner cementing operations resulting in supercharging of the formation.
2. Failure of the liner top packer allowing formation pressure into the wellbore.
3. Failure to fill the hole while coming out of the hole with the drill pipe.
21. PROPERTY DAMAGED: None

22. RECOMMENDATIONS TO PREVENT RECURRANCE NARRATIVE:
   Designate specific rig personnel and provide training to work on the wellhead.

23. POSSIBLE OCS VIOLATIONS RELATED TO ACCIDENT: NO

24. SPECIFY VIOLATIONS DIRECTLY OR INDIRECTLY CONTRIBUTING. NARRATIVE:

25. DATE OF ONSITE INVESTIGATION:

26. ONSITE TEAM MEMBERS:

29. ACCIDENT INVESTIGATION PANEL FORMED: NO

30. DISTRICT SUPERVISOR:
    Larry Williamson
    APPROVED
    DATE: 12-FEB-2007
1. WELL NAME: 004  WELL NO.: 17704125900  LEASE: G12761

2. OPERATION: X DRILLING  □ COMPLETION  □ WORKOVER  □ PRODUCTION

3. SIMULTANEOUS OPERATIONS IN PROGRESS?  NO

4. FLUID TYPE:  WEIGHT: PPG

5. BOP STACK CONFIGURATION:  SIZE:  PRESS RATING:  PSI

6. BOP STACK - LAST TEST DATE PRIOR TO INCIDENT:  PRESSURE:  PSI

7. LAST CASING STRING SET:  FT  SIZE:  IN

8. SIZE OF DRILLING/WORKOVER STRING IN HOLE:  IN

9. KICK SIZE:  BBLs

10. FLUID KILL WEIGHT:  PPG

11. INITIAL S.I.C.P.:  PSI

12. S.I.D.P./W.S.P.:  PSI

13. PRIOR HOLE PROBLEMS?  YES

14. WELL CONTROL EQUIPMENT INITIALLY ACTIVATED:
   □ ANNULAR BO  □ SCSSV  
   X PIPE  □ SSV  
   □ BLIND  □ OTHER  
   □ BLIND SHEA

15. EVACUATION:  YES

16. DIVERTER SYSTEM VALVE SIZE:  LINE SIZE:  
   X SINGLE SPOOL  □ DUAL SPOOL

17. WAS WELL DIVERTED?  NO

18. BOTTOM HOLE ASSEMBLY:

19. DRILLING DEPTH:  TVD  MD

20. DATE LAST FORMATION INTEGRITY TEST:

21. SSSV TYPE:

22. TREE:  ON  □ OFF  X

23. SURFACE SAFETY EQUIPMENT IN SERVICE?  NO

24. WELL TD:  TVD  MD

25. OPEN PERF?  NO

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EV2010R  09-APR-2007
**POLLUTION ATTACHMENT**

1. **VOLUME:** GAL 50 BBL
   
   YARDS LONG X YARDS WIDE

   **APPEARANCE:** BARELY VISIBLE

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

3. **SOURCE OF HYDROCARBON RELEASED:** wellhead

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