ACCIDENT INVESTIGATION REPORT

For Public Release

1. OCCURRED

   DATE: 17-JAN-2013  TIME: 1805  HOURS

2. OPERATOR: BP Exploration & Production Inc.
   REPRESENTATIVE: 
   TELEPHONE: 
   CONTRACTOR: REPRESENTATIVE: 
   TELEPHONE: 

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

4. LEASE: G26519
   AREA: HI
   LATITUDE: 
   BLOCK: A 119
   LONGITUDE: 

5. PLATFORM:
   RIG NAME: ROWAN JOE DOUGLAS

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.
   INCIDENT >$25K
   H2S/15MIN./20PPM
   REQUIRED MUSTER
   SHUTDOWN FROM GAS RELEASE
   [ ] OTHER
   Spill

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

9. WATER DEPTH: 100 FT.

10. DISTANCE FROM SHORE: 95 MI.

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

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

13. SEA STATE: FT.
17. INVESTIGATION FINDINGS:

While transferring Synthetic Oil Base Mud (SOBM) to the sand traps, rig personnel inadvertently opened the #5 sand trap valve and the mud traveled down to the Master dump valve. The Master dump valve which was supposed to be fully closed was found to be open approximately 4 inches. This caused a release of 91 bbls of SOBM into Gulf waters.

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

Master dump valve not completely closed.
Inadvertent opening of the #5 sand trap valve.

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

Rig personnel inadvertently opened #5 sand trap valve during transferring process. All sand trap valves and the Master dump valve were not clearly marked or locked shut as required by contractor's Health Safety Environment (HSE) management system "Mud tank procedure Section 5.5" All rig personnel were not orientated to mud transferring operations.

20. LIST THE ADDITIONAL INFORMATION:

Master dump valve was not installed properly when assembled during rig build and never verified for proper operation.

21. PROPERTY DAMAGED: NATURE OF DAMAGE:

ESTIMATED AMOUNT (TOTAL): $  

22. RECOMMENDATIONS TO PREVENT RECURRANCE NARRATIVE:

Clearly mark all sand trap and Master valves and lockout all valves prior to transferring any mud.
Make sure all procedures are explained to all personnel involved in task prior to performing any task.

23. POSSIBLE OCS VIOLATIONS RELATED TO ACCIDENT: YES

24. SPECIFY VIOLATIONS DIRECTLY OR INDIRECTLY CONTRIBUTING. NARRATIVE:

E-100 91 bbl spill from #5 sand trap valve inadvertently opened without authorization from OIM
G-110 Master and sand trap valves not clearly marked or locked shut as per approved rig procedures.
G-111 Master dump valve not installed properly and not verified fully closed by rig personnel prior to transferring SOBM.
25. DATE OF ONSITE INVESTIGATION:

26. ONSITE TEAM MEMBERS:  
   James Holmes /

29. ACCIDENT INVESTIGATION PANEL FORMED: NO

OCS REPORT:

30. DISTRICT SUPERVISOR:  
   John McCarroll

APPROVED DATE: 26-NOV-2013