

UNITED STATES DEPARTMENT OF THE INTERIOR
BUREAU OF SAFETY AND ENVIRONMENTAL ENFORCEMENT
GULF OF MEXICO REGION

ACCIDENT INVESTIGATION REPORT

For Public Release

1. OCCURRED

DATE: 18-MAY-2013 TIME: 0600 HOURS

2. OPERATOR: ANKOR Energy LLC

REPRESENTATIVE:

TELEPHONE:

CONTRACTOR:

REPRESENTATIVE:

TELEPHONE:

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

4. LEASE:

AREA: SP LATITUDE: 29.064015

BLOCK: 60 LONGITUDE: -88.95532

5. PLATFORM: F

RIG NAME:

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

6. OPERATION:

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

8. CAUSE:

EQUIPMENT FAILURE
 HUMAN ERROR
 EXTERNAL DAMAGE
 SLIP/TRIP/FALL
 WEATHER RELATED
 LEAK
 UPSET H2O TREATING
 OVERBOARD DRILLING FLUID
 OTHER Excessive emulsion

9. WATER DEPTH: 160 FT.

10. DISTANCE FROM SHORE: 6 MI.

11. WIND DIRECTION: SW
SPEED: 12 M.P.H.

12. CURRENT DIRECTION: NE
SPEED: 8 M.P.H.

13. SEA STATE: 3 FT.

17. INVESTIGATION FINDINGS:-

During morning rounds on May 18, 2013, about 5:50 a.m., the operator discovered an upset in the Flootation Cell (ABM-5100) and a sheen in the Gulf waters below. It was determined that it was coming from the Flootation Cell's overboard water discharge piping. The platform was immediately shut in at 6:00 am and the inlet and outlet valves of the Float Cell were closed. Once all production was halted and secured, a call was made to the USCG at 7:00 am to report the incident and sheen. A National Response Center (NRC) number was assigned #1047548.

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

Excessive chemical emulsion build up in the Low Pressure (LP) Separators (MBD 2110 & MBD 2120), resulting in a foaming action inside of the vessels causing a discharging of oil and water emulsion into the Flootation cell. This caused an upset in the Flootation Cell, which adversely affected the level controllers and level shutdowns. The end result was discharging an oil/water emulsion out the overboard water piping. Ankor's Morning Production Reports indicate a fluctuation in daily oil production rates. On May 15th oil production was recorded at 1551 bbls and then on May 17th oil production was at 1217 bbls. Chemical injection rates have to be adjusted accordingly to this fluctuation as not to overtreat the LP System.

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

It has been determined that the sheen started sometime during the night, under the cover of darkness, where it was not visible to personnel. And the excessive chemical emulsions in the LP System did not activate any of the Level Safety High/Low (LSHL) shut ins, resulting in the production staying in service until it was discovered the next morning.

20. LIST THE ADDITIONAL INFORMATION:

Production at SP 60 F consists of 13 wells flowing from MC 21, which is 10 miles away. It flows through the 8" oil pipeline KAQ-1160. Water clarifiers and emulsion breaker chemicals are also injected and regulated at MC 21. When SP 60 F shuts in, then all the production at MC 21 shuts in also.

Production was shut in since 6:00 am on May 18th until 9:00 am Monday, May 20, 2013. During that time cutting boxes were received and the oil/water emulsions in the Flootation Cell, LP Separators and Wet Oil Tank were circulated and then pumped into the cutting boxes until the system was clean.

The chemical injection technician was onboard at the time of the BSEE inspection to monitor the chemical injection rates.-

21. PROPERTY DAMAGED:

N/A

NATURE OF DAMAGE:

N/A

ESTIMATED AMOUNT (TOTAL):

22. RECOMMENDATIONS TO PREVENT RECURRENCE NARRATIVE:

The BSEE New Orleans District makes no recommendations to the Agency.

23. POSSIBLE OCS VIOLATIONS RELATED TO ACCIDENT: YES

24. SPECIFY VIOLATIONS DIRECTLY OR INDIRECTLY CONTRIBUTING. NARRATIVE:

E-100 W Ankor did not prevent the discharge of oil/water emulsion from polluting the Gulf of Mexico (GOM).

25. DATE OF ONSITE INVESTIGATION:

20-MAY-2013

26. ONSITE TEAM MEMBERS:

Gerald Taylor - BSEE Accident Investigator /

29. ACCIDENT INVESTIGATION

PANEL FORMED: NO

OCS REPORT:

30. DISTRICT SUPERVISOR:

David Trocquet

APPROVED

DATE: 19-MAR-2014

INJURY/FATALITY/WITNESS ATTACHMENT

OPERATOR REPRESENTATIVE

INJURY

CONTRACTOR REPRESENTATIVE

FATALITY

OTHER _____

WITNESS

NAME:

HOME ADDRESS:

CITY:

STATE:

WORK PHONE:

TOTAL OFFSHORE EXPERIENCE:

YEARS

EMPLOYED BY:

INJURY/FATALITY/WITNESS ATTACHMENT

BUSINESS ADDRESS :

CITY :

STATE :

ZIP CODE :

