ACCIDENT INVESTIGATION REPORT

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
   BLOCK: 60
   LATITUDE: 29.064015
   LONGITUDE: -88.95532

5. PLATFORM: F
   RIG NAME:

6. ACTIVITY:
   EXPLOREATION(POE)
   DEVELOPMENT/PRODUCTION
   (DOCD/POD)

7. TYPE:
   × HISTORIC INJURY
   × EQUIPMENT FAILURE
   HUMAN ERROR
   EXTERNAL DAMAGE
   SLIP/TRIP/FALL
   WEATHER RELATED
   LEAK
   UPSET H2O TREATING
   OTHER

8. CAUSE:
   × EXCESSIVE EMULSION
   × OTHER

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 Floatation Cell (ABM-5100) and a sheen in the Gulf waters below. It was determined that it was coming from the Floatation 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 Floatation cell. This caused an upset in the Floatation 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 Floatation 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 RECURRANCE 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: 

MMS - FORM 2010 
EV2010R 
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POLLUTION ATTACHMENT

1. VOLUME:  GALLONS  2.56
             BARRELS  BBL

             YARDS LONG X  YARDS WIDE

               APPEARANCE: SILVERY SHEEN

2. TYPE OF HYDROCARBON RELEASED:  
   [X] OIL
   [ ] DIESEL
   [ ] CONDENSATE
   [ ] HYDRAULIC
   [ ] NATURAL GAS
   [ ] OTHER

   Emulsion (Oil & Water)

3. SOURCE OF HYDROCARBON RELEASED: Oil discharged through the flotation cell
   overboard water line

4. WERE SAMPLES TAKEN?  NO

5. WAS CLEANUP EQUIPMENT ACTIVATED?  NO

   IF SO, TYPE:  
   [ ] SKIMMER
   [ ] CONTAINMENT BOOM
   [ ] ABSORPTION EQUIPMENT
   [ ] DISPERGANTS
   [ ] OTHER

6. ESTIMATED RECOVERY:  GALLONS  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?  YES

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