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

1. OCCURRED
   DATE: 19-JUL-2008  TIME: 1248 HOURS

2. OPERATOR: Apache Corporation
   REPRESENTATIVE: Wetzel, Gary
   TELEPHONE: (337) 354-8130
   CONTRACTOR: TETRA Technologies, Inc.
   REPRESENTATIVE: Peter Stipelcovich
   TELEPHONE: (337) 205-4975

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

4. LEASE: G01520
   AREA: SS  LATITUDE:  
   BLOCK: 204  LONGITUDE:  

5. PLATFORM: A
   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

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: 43 MI.

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

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

13. SEA STATE: FT.

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EV2010R  29-JUN-2009
17. DESCRIBE IN SEQUENCE HOW ACCIDENT HAPPENED:

While conducting P/A operations on well SS 204 A-13, Apache's contractor Tetra was using CTS to wash a sand bridge from the wellbore. During these operations, Tetra personnel observed a casing patch on the 13.375" x 26" DP was leaking oil. At 1030 hrs, CTS rigged down CT injector head and wash assembly. At 1045 hrs, the casing patch began blowing gas. Non-essential personnel were evacuated to SS 207A.

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

The 26" drive pipe casing patch became weakened from the cyclic loading of the CT injector, BOP stack, and the coil. The weight of the system was overrated for the patch job and the patch failed. In addition, after washing thru the perforations @ 12,302'-12,334' MD with C/T, the well kicked letting a gas influx into the 2.875" TBG, which traveled to surface where holes in the tubing and all of the casing strings had developed from corrosion, which in turn exposed the gas with oil to open atmosphere.

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

The 26" drive pipe had not been repaired correctly.

20. LIST THE ADDITIONAL INFORMATION:
21. PROPERTY DAMAGED: None
   NATURE OF DAMAGE: None

ESTIMATED AMOUNT (TOTAL):

22. RECOMMENDATIONS TO PREVENT RECURRANCE NARRATIVE:
   The Houma District has no recommendations for the Regional Office.

23. POSSIBLE OCS VIOLATIONS RELATED TO ACCIDENT: NO

24. SPECIFY VIOLATIONS DIRECTLY OR INDIRECTLY CONTRIBUTING. NARRATIVE:

25. DATE OF ONSITE INVESTIGATION:
   23-JUL-2008

26. ONSITE TEAM MEMBERS:
   Kelly Bouzigard / Jerry Freeman /

29. ACCIDENT INVESTIGATION
   PANEL FORMED: NO
   OCS REPORT:

30. DISTRICT SUPERVISOR:
   Bryan A. Domangue

APPROVED
   DATE: 03-OCT-2008
BLOWOUT ATTACHMENT

1. WELL NAME: A013
WELL NO.: 17712009700
LEASE: G01520

2. OPERATION: [ ] DRILLING
[ ] COMPLETION
[ ] WORKOVER
[ ] PRODUCTION

3. SIMULTANEOUS OPERATIONS IN PROGRESS? [ ] NO

4. FLUID TYPE: SEAWATER
WEIGHT: 8.6 PPG

5. BOP STACK CONFIGURATION:
Annular, blind ram, shear rams, slip rams, pipe rams
SIZE: 2.5625 IN
PRESS RATING: 10000 PSI

6. BOP STACK - LAST TEST DATE PRIOR TO INCIDENT: 07-JUL-2008
PRESSURE: 5000 PSI

7. LAST CASING STRING SET:
FT SIZE: IN

8. SIZE OF DRILLING/WORKOVER STRING IN HOLE: 1.50 IN

9. KICK SIZE: 1 BBL

10. FLUID KILL WEIGHT: 13.1 PPG

11. INITIAL S.I.C.P.: 600 PSI

12. S.I.D.P./W.S.P.: 3000 PSI

13. PRIOR HOLE PROBLEMS? [ ] YES

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

15. EVACUATION: [ ] YES

16. DIVERTER SYSTEM VALVE SIZE:
LINE SIZE:

[ ] SINGLE SPOOL
[ ] DUAL SPOOL

17. WAS WELL DIVERTED? [ ] NO

18. BOTTOM HOLE ASSEMBLY:
1.93" wash nozzle, set dual flapper valves, hydraulic disconnect

19. DRILLING DEPTH: 11380 TVD 12300 MD

20. DATE LAST FORMATION INTEGRITY TEST:

21. SSSV TYPE: Tree removed per P/A procedure

22. TREE: ON [ ] OFF [ ]

23. SURFACE SAFETY EQUIPMENT IN SERVICE? [ ] NO

24. WELL TD: 12275 TVD 13195 MD

25. OPEN PERF? [ ] YES