

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

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 **Plug and Abandonment**

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.

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 RECURRENCE 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.: **177112009700** 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: SIZE: **2.5625** IN  
**Annular, blind ram, shear rams, slip rams, pipe rams** 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** BBLs
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:
- |  |                                      |
|--|--------------------------------------|
| <input type="checkbox"/> ANNULAR BO      | <input type="checkbox"/> SCSSV       |
| <input checked="" type="checkbox"/> PIPE | <input type="checkbox"/> SSV         |
| <input type="checkbox"/> BLIND           | <input type="checkbox"/> OTHER _____ |
| <input type="checkbox"/> 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**  
DATE LAST TESTED:
22. TREE: ON  OFF
23. SURFACE SAFETY  
EQUIPMENT IN SERVICE? **NO**
24. WELL TD: **12275** TVD **13195** MD
25. OPEN PERF? **YES**