

# 2014 Baker Quarters Fire

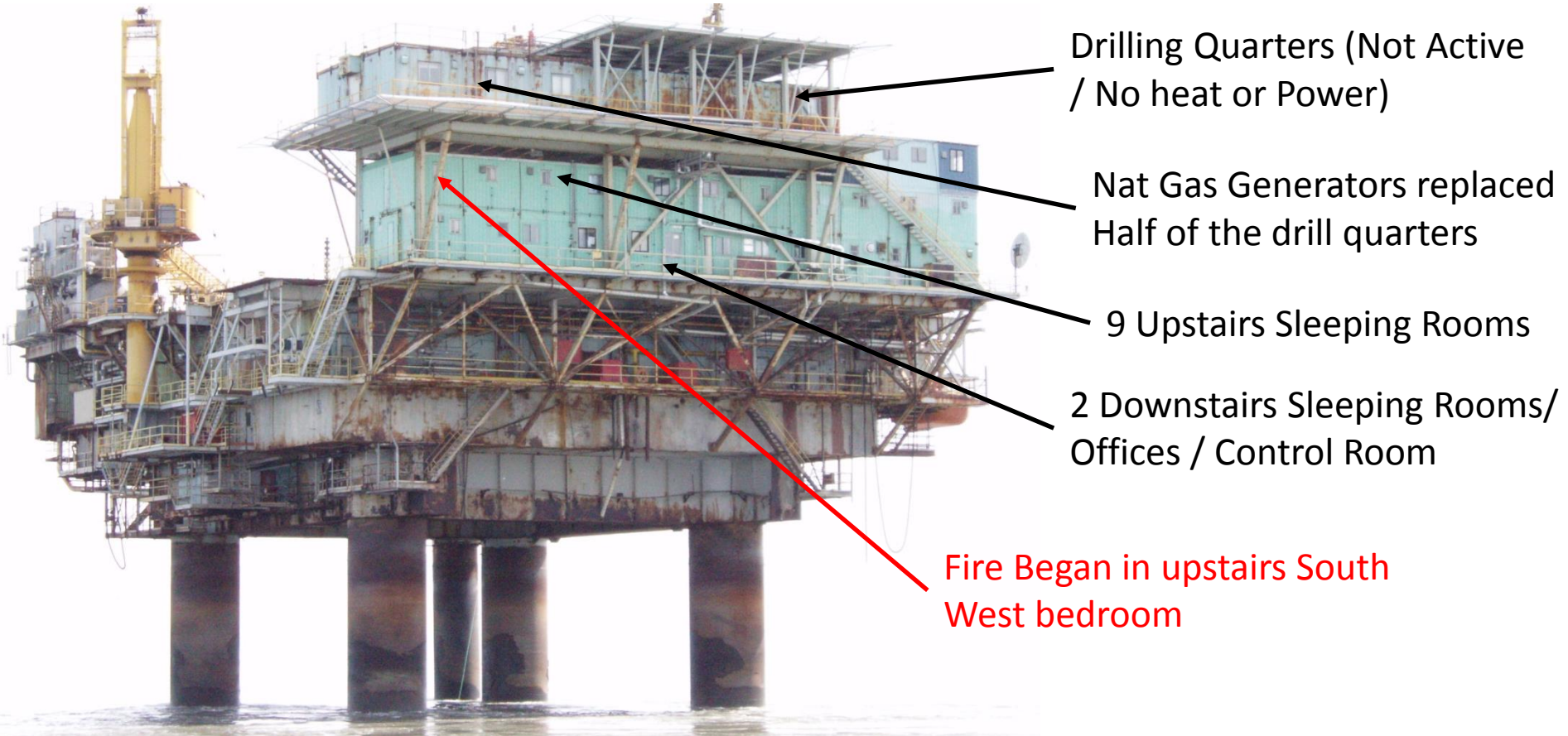


10/2/2014



# Baker Platform Summary

- Baker Reactivated in 2012
  - Was Producing 450-500 MCF of gas per day
  - 2 Man crew for normal operation
  - Had additional 2 construction workers onboard on day of incident



# Hydrocarbon Sources:

150 Gal Cat 3208 Day Tank:  
Not compromised

Produced Water Tank:  
Not compromised

10,000 Gal Diesel Storage Tank  
with 3000 Gal of Diesel:  
Not compromised

Natural Gas Well: ESD Shut in  
valves and isolated gas to  
quarters



# Fire Response Timeline 10/2/2014

- 4 Crew Members On Board
  - Peak Oilfield Services: Operator & Utility Hand
  - Chosen Construction: 2 Skilled Laborers
- 4:30 AM: Main Nat Gas Generator shutdown and would not load, so Backup Cat 3208 Diesel generator was started
- 5:30 AM: Chosen Contractors
  - Notice slight smell of smoke
  - Notice backup generator running
  - Believe the slight smoke smell is due to running Backup 3208 Generator
- 6:00 AM: Morning meeting
  - Everyone starts normal work days no mention of smell of smoke.

# Fire Response Timeline 10/2/2014

- 7:00 AM: Fire Alarm Sounds
  - Chosen Construction Contractors muster to galley
  - Contract Operator & Utility Hand meet in control room
- 7:08 AM: Upstairs South West Bedroom
  - Smoke White/Gray and smelled Electrical
  - Looked in room and could not see glow or flames
  - Utility Hand went outside and could see flames on upper outside wall

# Fire Response Timeline 10/2/2014

- 7:17 AM: Utility Hand went back into quarters and activated facility “ESD” (Emergency Shutdown)
- 7:18 AM: Operator and Utility Hand attempt to fight fire with fire extinguishers with no success.
- 7:20 AM: Chosen Construction Contractors taken to Brucker by the Utility Hand
- 7:20 AM: Contract Operator calls Granite Point Platform for Assistance
- 7:21 AM: Utility Hand attempts to extinguish flames again with hand held fire extinguisher



# Fire Response Timeline 10/2/2014

- 7:35 AM Preparations to abandon Platform
  - Operator calls 911
  - Chosen Construction workers re-located to North End of Top Deck
  - Helicopter is launched from OSK Heliport
- 7:40 AM: Verification of ESD
  - Operator went below to well room to visually verify that well shut in valves were in safe position
- 7:48 AM: Helicopter lands on Helideck and all four contractors depart
- 7:58 AM: Helicopter arrives at OSK Heliport



# Initial Fire Photo

- Taken at 7:44 am
- Taken right before crew evacuation





# Work Boats Fighting Fire





# Lower Quarters



# Structure Below Drilling Quarters





# Post Fire View



Process Equipment: Minor damage due to debris and water cannons

Drilling Quarters : Total Loss

SRC Generator: Damaged by water cannons

Lower Quarters: Total Loss

# South West Bedroom

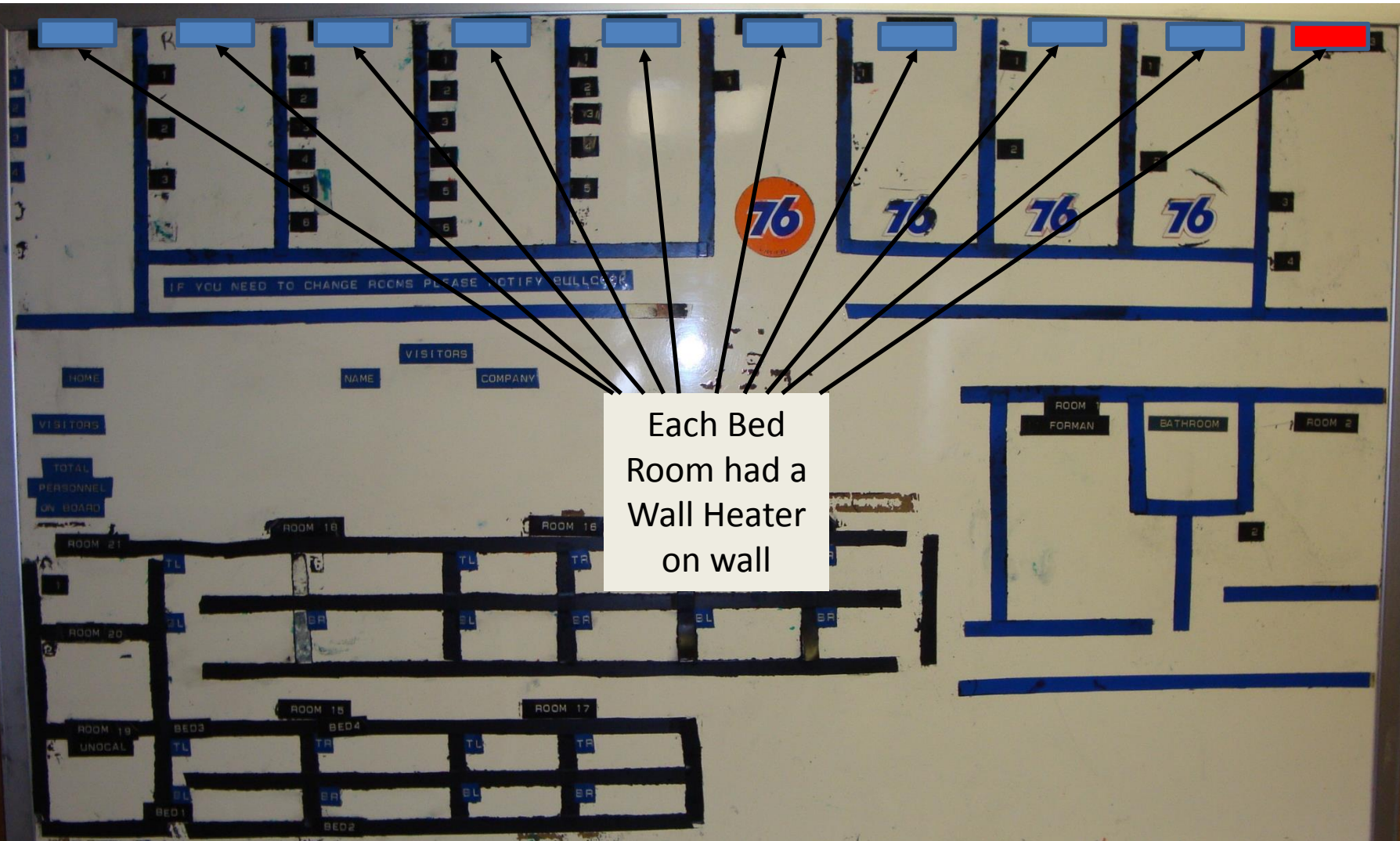
Second Floor: Roof  
and walls were  
consumed or  
removed by water  
canons

Heater would have  
been here





# Second Floor Layout





# 1200 Watt Wall Heater



- 1200 Watt heater was original from 1960's installation
- Annual Maintenance was performed by Electrician on 9/28/14
- Quarters were old ATCO modular 2X4 housing construction with wood paneling

(Similar heater on Anna)

# Fire Investigation Team

- Hilcorp Personnel
  - Production Forman
  - Safety Manager
  - Facility Engineer
  - EHS Coordinator
- Peak Oilfield Services
  - O&M Supervisor
  - Manager
- Nikiski Fire Department
  - Fire Chief
  - Deputy Fire Chief
  - Investigator
  - Engineer
- Chosen Construction
  - Owner

# Most Probable Cause

- Wall Heater electrical components or associated wiring inside the wall
  - Supporting Evidence from eye witnesses:
    - Started in Upper West Bed Room
    - White/Grey Smoke - smelled electrical
    - No glow or fire was visible in room
  - Upper West Bed Room
    - No one was assigned to the room that week
    - 1200 Watt Electric Wall Heater on South outside wall
    - No other known electrical loads in that wall
    - No new construction in last 10 years in this area
  - Post Fire Evidence
    - None: South West Bed Room walls and roof did not survive fire



# Corrective Actions

- On all other platforms, check electrical components associated with the wall heaters and wall spaces of quarters with similar installations.
- Checks will include verification of electrical components; heater and associated wiring inside the wall by 10/20/14

# Conclusion

- Environmental
  - Well Control was maintained throughout incident
  - No hydrocarbons were released or spilled
  - Minimum Process Equipment Damaged
    - All damage was due to water cannon, not fire
- Health and Safety of crew
  - Crew tried to extinguish fire in incipient stage, but fire was inside wall. When unable to extinguish they evacuated via Helicopter
- Equipment
  - Fire boats controlled fire and protected exposures
  - Quarters are a total loss
  - 3 facility generators were a loss