

IN THE UNITED STATES DISTRICT COURT FOR THE EASTERN DISTRICT OF LOUISIANA

*In re: Oil Spill by the Oil Rig Deepwater Horizon in the
Gulf of Mexico on April 20, 2010 (MDL No. 2179)*

Before the Honorable Judge Carl J. Barbier

EXPERT REPORT OF JEFF L. WOLFE *Deepwater Horizon – Seaworthiness, Marine System, and Safety Condition on April 20, 2010*

Submitted by Transocean Offshore Deepwater Drilling, Inc.

INTRODUCTION

This report outlines the findings and conclusions of Jeff L. Wolfe relating to the seaworthiness, Marine Systems, and Safety Condition prior to April 20, 2010. This report also presents the basis and reasoning for the opinions and conclusions reached on these subjects, including the data and information considered in forming such opinions and conclusions.

TABLE OF CONTENTS

- I. Qualifications Summary
- II. Report of Jeff L. Wolfe
- III. Rule 26 Requirements
 - 1. Curriculum Vitae
 - 2. Statement of Compensation
 - 3. Materials Considered
 - 4. Prior Testimony



Date of Submission: September 23, 2011

CONFIDENTIAL

TABLE OF CONTENTS

I.	Qualifications Summary of Jeff L. Wolfe.....	1
II.	Report of Jeff L. Wolfe.....	1
A.	Regulatory Compliance	2
B.	Emergency Response and Evacuation	9
C.	Safety Culture	15
D.	Vessel Integrity	20
E.	Fire and Gas Detection and Alarm Systems	25
F.	Engines.....	36
III.	Rule 26 Requirements.....	43

I. QUALIFICATIONS SUMMARY OF JEFF L. WOLFE

My background and qualifications are detailed in my curriculum vitae, attached hereto as Appendix 1. In pertinent part, my curriculum vitae reflects nearly thirty years of U.S. Coast Guard service, concluding with my retirement in 2008 as a Lieutenant Commander from U.S. Coast Guard Eighth District, New Orleans. At the time of my retirement, I held the position of Chief, Offshore Compliance Eighth Coast Guard District. In this capacity, I was responsible for administration and execution of U.S. Coast Guard regulatory compliance regime for vessel and production systems operating on the Outer Continental Shelf (OCS) throughout the Gulf of Mexico. Prior to this position, I served for several years as Chief, Offshore Activities and Senior Marine Inspector Marine Safety Office / Sector New Orleans. In this role, I conducted hundreds of safety and security regulatory compliance exams on all types of vessels and offshore facilities, including mobile offshore drilling units, operating in the Gulf of Mexico and overseas. Additionally, I served as an instructor for the offshore regulatory compliance course and taught offshore inspection techniques to new U.S. Coast Guard offshore marine inspectors.

Following my U.S. Coast Guard service, I began consulting for a variety of offshore oil and gas industry participants in the area of regulatory compliance. My clients include, among others, production contractors, offshore supply vessels and facility owners and operators, and pipeline owners. The scope of my regulatory compliance consulting services includes, but is not limited to, the following: vessel design; vessel safety systems; vessel construction and conversion; and vessel operations and maintenance.

II. REPORT OF JEFF L. WOLFE

This report presents opinions and conclusions concerning the seaworthiness, marine systems, and safety conditions present on the *Deepwater Horizon* on April 20, 2010. More specifically, this report addresses: Regulatory Compliance; Emergency Response and Evacuation; Safety Culture; Vessel Integrity; Fire and Gas Detection and Alarm Systems; and Engines. This report also presents the basis and reasoning for the opinions and conclusions reached on these subjects, including the data and information considered in forming such opinions and conclusions. There may be additional evidence, data, or information supporting the opinions and conclusions presented though not specifically referenced in this report.

In forming my opinions and conclusions, I have relied upon my maritime background; my experience with and understanding of vessel construction, maintenance, and operation; standard accepted maritime practices; and knowledge of the offshore oil and gas industry. A detailed discussion of my background and qualifications is contained below. In sum, between my service in the U.S. Coast Guard and my private sector consulting practice, I have accumulated nearly thirty years of combined marine and offshore oil and gas industry experience, including four years of service in the U.S. Coast Guard as the Chief of Offshore Compliance for all areas of the Gulf of Mexico on which Outer Continental Shelf activities are conducted.

In my cumulative experience, I have boarded and inspected hundreds of vessels, including mobile offshore drilling units and fixed and floating and offshore facilities. In none of these inspections did I encounter a single vessel or facility that I deemed to be in “perfect”

condition. For vessels and facilities of this nature operating in a marine environment there are always some deficiencies or corrective actions that could and should be addressed. My opinions and views are, in part, based on my belief that such deficiencies and corrective actions rarely require removal of a vessel from operation, as long as processes are in place to identify and assess the risk and implement mitigating measures, if required, to address identified risks until permanent corrective action is feasible.

In performing my analysis, I note certain limitations in the availability of information and evidence. Namely, as a result of the loss of the vessel, I cannot examine or evaluate the material condition of the rig or equipment onboard. Additionally, certain pertinent documents, both electronic and hard copy, onboard the rig were lost in the incident.

With regard to the scope of my analysis, I have not addressed the well control event or functionality of the subsea / well control equipment, including but not limited to the blowout preventer (BOP).

A. Regulatory Compliance

Upon review of all flag and coastal state certificates, documents, licenses, and status reports from the American Bureau of Shipping (ABS), I conclude the *Deepwater Horizon* was in full compliance with all statutory, flag, and coastal state requirements. In addition, the *Deepwater Horizon* was fully ABS-classed in good standing.

1. Deepwater Horizon Vessel History

The *Deepwater Horizon* was a self-propelled, dynamically positioned, semi-submersible, column-stabilized mobile offshore drilling unit (MODU) built for R&B Falcon Drilling Co. by Hyundai Heavy Industries Co., Ltd. (Ulsan, South Korea) in 2000.¹ The *Deepwater Horizon* was capable of drilling “up to 35,000 ft [10,670 m] at a water depth of 10,000 ft [3,048 m]” in harsh environments.² While drilling the Macondo well, the *Deepwater Horizon* was operating in just over 4,900 ft (1,500 m) of water.³ The unit was designed to function 24 hours a day while drilling with its crew operating the complex drilling machinery, propulsion equipment, and hotel services on a 12-hour-on and 12-hour-off basis.⁴ Individual crew members normally worked a 21-day hitch pattern, consisting of 21-days-on and 21-days-off.⁵

The *Deepwater Horizon* was registered in the Republic of the Marshall Islands as a MODU on December 29, 2004.⁶ From the time of its construction until that date, it had been registered in the Republic of Panama.⁷

¹ Republic of the Marshall Islands *Deepwater Horizon* Marine Casualty Investigation Report, at 2.

² *Id.* at 2; Exhibit 671, Transocean *Deepwater Horizon* Operations Manual, at Section 3.2.1 (Dec. 2004).

³ Republic of the Marshall Islands *Deepwater Horizon* Marine Casualty Investigation Report, at 2.

⁴ *Id.*

⁵ *Id.*

⁶ *Id.*

⁷ *Id.* at 1.

2. Regulatory Overview

(a) Flag State

Under Article 94 of the United Nations Convention of the Law of the Sea (UNCLOS), every Flag State shall take such measures as are necessary to ensure safety at sea relating to the construction, equipment, and seaworthiness of the vessel.⁸ The Republic of the Marshall Islands (Marshall Islands) was the Flag State for the *Deepwater Horizon*. The Marshall Islands is a party to all major international conventions and other related international maritime instruments.⁹ These conventions and instruments are described in more detail below.

(i) International Convention of the Safety of Life at Sea

The *Deepwater Horizon* was in full compliance with the International Convention for the Safety of Life at Sea (SOLAS Convention). The SOLAS Convention in its successive forms is generally regarded as the most important of all international treaties concerning the safety of merchant ships, including MODUs. The main objective of the SOLAS Convention is to specify minimum standards for the construction, equipment, and operation of ships, compatible with their safety. Flag States are responsible for ensuring that ships under their flag comply with its requirements, and a number of certificates are prescribed in the SOLAS Convention as proof that this has been done. Specific requirements address subdivision and stability, machinery and electrical installations, fire protection and fire detection, lifesaving appliances and arrangements, and safety of navigation, among others.

1) Code for the Construction and Equipment of Mobile Offshore Drilling Units

The *Deepwater Horizon* was in full compliance with the Code for the Construction and Equipment of Mobile Offshore Drilling Units, 1989 (1989 MODU Code). The 1989 MODU Code is an international standard for mobile offshore drilling units. The 1989 MODU Code establishes requirements of the construction and operation of MODUs that are considered equivalent to the requirements of the SOLAS Convention for MODUs.¹⁰ The Marshall Islands has specifically adopted the 1979 and 1989 MODU Codes as national regulation and mandated compliance with those Codes and additional requirements found in the Marshall Islands Mobile Offshore Drilling Unit Standards.¹¹ The Marshall Islands issued a Mobile Offshore Drilling Unit Safety Certificate (MODU Certificate) to the *Deepwater Horizon* that was valid for five years as evidence of compliance with the 1989 MODU Code.¹²

⁸ United Nations Convention of the Law of the Sea, art. 94(3)(a).

⁹ Republic of the Marshall Islands *Deepwater Horizon* Marine Casualty Investigation Report, at vii.

¹⁰ Code for the Construction and Equipment of Mobile Offshore Drilling Units, 1989, Preamble.

¹¹ Republic of the Marshall Islands Mobile Offshore Drilling Unit Standards, Rev. 8/02.

¹² Exhibit 3075, Deepwater Horizon Licensing Information, TRN-MDL-00171605, 1771.

2) International Safety Management Code

The *Deepwater Horizon* was in full compliance with the International Safety Management Code (ISM Code). The ISM Code is part of the SOLAS Convention. It was made mandatory for MODUs in July 2002. The ISM Code establishes guidelines for the implementation of shipboard and shore-based management systems to ensure the safe operation of vessels and for pollution prevention.

3) Minimum Safe Manning

The *Deepwater Horizon* complied with all manning requirements. Flag States issue a Minimum Safe Manning Document (Certificate) (MSMD) under provisions of Chapter V of the SOLAS Convention in order to ensure that all vessels are sufficiently, efficiently, and safely manned with properly trained and certified personnel.¹³ These safe manning requirements are established to ensure that the vessel's complement "includes the grades/capacities and number of persons required for the safe operation of the ship and the protection of the marine environment."¹⁴

(ii) International Convention for the Prevention of Pollution from Ships

The *Deepwater Horizon* was in full compliance with the International Convention for the Prevention of Pollution from Ships (MARPOL Convention). The MARPOL Convention is the main international convention covering prevention of pollution of the marine environment by ships from operational or accidental causes. The MARPOL Convention includes regulations aimed at preventing and minimizing pollution from ships – both accidental pollution and that from routine operations – and currently includes six technical Annexes, including prevention of pollution from oil, sewage, and garbage among other items.¹⁵

(iii) International Convention on Standards of Training, Certification and Watchkeeping for Seafarers

The *Deepwater Horizon* was in full compliance with the International Convention on Standards of Training, Certification and Watchkeeping for Seafarers (STCW Convention). The STCW Convention prescribes minimum standards relating to training, certification, and watchkeeping for seafarers which countries are obliged to meet or exceed. The STCW Convention establishes mandatory levels of competence that must be met by seagoing personnel based on their positions, such as the Master, members of the Deck Department, members of the Engine Department and Radio personnel, as well as establishing watchkeeping requirements.

¹³ The Safety of the Life at Sea Convention, Chapter V, Regulation 14(2).

¹⁴ International Maritime Organization, Resolution A.890 (21), Guidelines for the Application of Principles of Safe Manning, Annex 2, Section 3.1.

¹⁵ See The International Convention for the Prevention of Pollution from Ships.

(iv) The International Convention on Load Lines

The *Deepwater Horizon* was in full compliance with the International Convention on Load Lines (Load Line Convention). The Load Line Convention establishes limitations on the draught to which a ship may be loaded, which make a significant contribution to her safety. These limits are given in the form of freeboards, which constitute, besides external weathertight and watertight integrity, the main objective of the Load Line Convention. The regulations take into account the potential hazards present in different zones and different seasons. The technical annex contains several additional safety measures concerning doors, freeing ports, hatchways, and other items. The main purpose of these measures is to ensure the watertight integrity of ships' hulls below the freeboard deck.

(b) Recognized Organizations

The Marshall Islands authorized the American Bureau of Shipping (ABS) as a Reorganized Organization (RO), and ABS conducted annual safety inspections on the *Deepwater Horizon* for compliance with the 1989 MODU Code, as well as issued certifications to the *Deepwater Horizon* for compliance with applicable international conventions, including the SOLAS Convention, MARPOL, the STCW Convention, and the Load Line Convention.¹⁶

The use of ROs to conduct surveys, inspections, and audits is a long-standing and internationally recognized means of verifying compliance with Flag State and international maritime standards. The SOLAS Convention specifically authorizes the use of ROs to conduct international certification inspections and statutory compliance surveys, subject to oversight by the authorizing Flag State. The International Maritime Organization has established standards for ROs that act on behalf of Flag States with regard to conducting vessel examinations, the issuance of international compliance certificates, and the performance of surveys.¹⁷ With respect to MODUs, only organizations that are members of the International Association of Class Societies (IACS) are recognized and authorized by the Marshall Islands to act on its behalf as an RO.¹⁸

The Marshall Islands requires self-propelled MODUs, such as the *Deepwater Horizon*, to comply with the ISM Code and specific Flag State requirements.¹⁹ Compliance with the ISM Code is closely monitored and enforced by the Administrator itself and through its appointed ROs and nautical inspectors. Det Norske Veritas (DNV)²⁰ was authorized as an RO by the

¹⁶ Republic of the Marshall Islands *Deepwater Horizon* Marine Casualty Investigation Report, at 24.

¹⁷ The U.S. Coast Guard, as the Maritime Administrator for United States flag vessels, also utilizes ROs to perform inspections and surveys on behalf of the United States for U.S. flagged MODUs under its Alternative Compliance Program. See 46 U.S.C. § 3316; 46 C.F.R. Part 8, Subpart D.

¹⁸ Republic of the Marshall Islands *Deepwater Horizon* Marine Casualty Investigation Report, Prologue, at x.

¹⁹ Republic of the Marshall Islands Marine Notice 2-011-13, available at <http://www.register-iri.com/forms/upload/MN-2-011-13.pdf>.

²⁰ "DNV (Det Norske Veritas) is an independent foundation with the purpose of safeguarding life, property, and the environment. [DNV's] history goes back to 1864, when the foundation was established in Norway to inspect and evaluate the technical condition of Norwegian merchant vessels." DNV, http://www.dnv.com/moreondnv/profile/about_us/.

Marshall Islands to conduct audits and to issue International Safety Management (ISM) and Document of Compliance (DOC) certificates to establish compliance with the ISM Code.²¹ DNV conducted these functions for the *Deepwater Horizon*.²²

(c) Coastal State

The *Deepwater Horizon* underwent required U.S. Coast Guard inspections beginning with her arrival in the Gulf of Mexico. In the rig's most recent inspection, in July 2009, the *Deepwater Horizon* received no deficiencies.²³

The Coast Guard requires foreign flag MODUs operating on the United States OCS to comply with the provisions of 33 C.F.R. Subchapter N. The regulations state that, for purposes of marine safety, foreign flagged MODUs operating on the United States OCS must comply with one of three regulatory schemes, one of which is compliance with the MODU Code.²⁴ The Coast Guard performs annual inspections on foreign flag MODUs operating on the United States OCS to ensure that they meet all applicable United States design, equipment, and operating standards,²⁵ and certifies compliance in accordance with specific guidance for these inspections.²⁶

The MODU Code states that a coastal state (in the case of the *Deepwater Horizon*, the United States) may impose additional requirements regarding the regulation, surveying and inspection of units engaged in the exploration of natural resources over which the coastal state exercises jurisdiction.²⁷ The United States has enacted the Outer Continental Shelf Lands Act, which authorizes the Secretary of the Interior and the Secretary of the Department in which the U.S. Coast Guard is operating to enforce safety regulations on units operating on the Outer Continental Shelf (OCS).²⁸ Responsibilities for regulation of safety are divided between the Coast Guard and the Bureau of Ocean Energy Management, Regulation and Enforcement (BOEMRE) pursuant to a Memorandum of Agreement between the agencies.²⁹

(d) Class Society

The *Deepwater Horizon* was fully ABS-classed in good standing. ABS was the classification society for statutory, survey, inspection, and certification of the *Deepwater Horizon*. ABS Class Rules specify detailed requirements as they relate to construction, hull and

²¹ Republic of the Marshall Islands *Deepwater Horizon* Marine Casualty Investigation Report, at 2.

²² *Id.*

²³ U.S. Coast Guard Certificate of Compliance, Jul. 27, 2009, TRN-MDL-01101583.

²⁴ 33 C.F.R. § 146.205.

²⁵ OCSLA requires that the U.S. Coast Guard conduct on-site inspections of MODUs on the U.S. OCS to establish their compliance with all safety requirements. 43 U.S.C. § 1348(c).

²⁶ U.S. Coast Guard Navigation and Inspection Circular 3-88, Change 1, *available at* <http://www.uscg.mil/hq/cg5/nvic/pdf/1988/n3-88ch1.pdf>.

²⁷ 1989 MODU Code § 1.7.2.

²⁸ 43 U.S.C. § 1348.

²⁹ See Republic of the Marshall Islands *Deepwater Horizon* Marine Casualty Investigation Report, Annex E, A-75.

equipment, general arrangement, structural fire protection, life saving and fire fighting and survey timelines.³⁰

3. Certifications

The *Deepwater Horizon* was built in accordance with the 1989 MODU Code; the ABS Rules for the Building and Classing of Mobile Offshore Drilling Units, 1997; the Load Line Convention; and U.S. Coast Guard requirements, as the vessel was originally intended to be registered as a U.S. flag vessel.³¹

ABS classified and certified the *Deepwater Horizon* as an A1, Column Stabilized Drilling Unit, AMS, ACCU, DPS-3 (the highest rating for dynamically positioned vessels).³² The ABS conducted annual inspections and surveys to ensure the vessel met all requirements as a condition of classification as a Maltese Cross A1 column stabilized drilling unit. These inspections included annual hull, machinery, and safety inspections as noted in the ABS Survey Status Report of April 22, 2010.³³ All inspections were current or had been commenced as per ABS rules.³⁴ No major deficiencies were noted and therefore the *Deepwater Horizon* remained in class as of April 20, 2010 and was considered fit for service.³⁵

On April 20, 2010, the *Deepwater Horizon* was current on all of its required Flag State statutory surveys and certifications and possessed all requisite international, Marshall Islands, and U.S. Certificates of Compliance.³⁶

The most recent statutory surveys as of April 2010 indicate the following results as they pertain to the rig's condition.

- Republic of Marshall Islands Report of Safety Inspection issued December 17, 2009 – No deficiencies noted and ship was found to be in compliance with all applicable safety, security, and environmental protection requirements.³⁷
- U.S. Coast Guard Certificate of Compliance issued July 27, 2009 – No deficiencies noted.³⁸
- 2007 ISM Code Safety Management Certificate³⁹ and 2009 Transocean ISM Code Document of Compliance.⁴⁰

³⁰ See Republic of the Marshall Islands *Deepwater Horizon* Marine Casualty Investigation Report, at v-xi, 24-25.

³¹ See *id.* at 2.

³² American Bureau of Shipping Certificate of Classification, Oct. 19, 2009, TRN-MDL-00272528.

³³ ABS Survey Manager Survey Status Report (For Owner) *Deepwater Horizon*, TRN-MDL-01101598.

³⁴ Republic of the Marshall Islands *Deepwater Horizon* Marine Casualty Investigation Report, at 57.

³⁵ Deposition of William Haynie, 280:9-25.

³⁶ Republic of the Marshall Islands *Deepwater Horizon* Marine Casualty Investigation Report, at 57.

³⁷ Republic of the Marshall Islands Report of Safety Inspection for MODU/MOU, Dec. 17, 2009, TRN-MDL-01101586.

³⁸ U.S. Coast Guard Certificate of Compliance, Jul. 27, 2009, TRN-MDL-01101583.

³⁹ Exhibit 1776, Det Norske Veritas Safety Management Certificate for *Deepwater Horizon*, Jul. 11, 2007.

- ABS Certificate of Classification – Issued October 19, 2009.⁴¹
- ABS UWILD⁴² survey – Completed September 13, 2009 with no outstanding items.⁴³

4. Manning

On April 20, 2010, the *Deepwater Horizon* was crewed in accordance with Marshall Islands requirements for safe manning, as established by the SOLAS Convention and international guidelines. All required marine crew positions were filled with mariners holding appropriate credentials and had the appropriate qualifications and competence. Each officer on the *Deepwater Horizon* held the requisite license, certificate, or document issued by the U.S. Coast Guard and by the Marshall Islands based on their U.S. Coast Guard license, certificate, or document.⁴⁴

5. Chain of Command

I have concluded that the command structure as established on the *Deepwater Horizon* was appropriate and in accordance with industry standards⁴⁵ as well as all applicable laws and regulations.⁴⁶ I also note the Marshall Islands *Deepwater Horizon* Marine Casualty Investigation concluded that there is no indication that any confusion regarding the chain of command was a causal factor in the casualty.⁴⁷

Under the ISM Code, the Master has the overriding authority and the responsibility to make decisions with respect to safety and pollution prevention and to request the company's

⁴⁰ Exhibit 953, Det Norske Veritas ISM Code Document of Compliance for Transocean Offshore Deepwater Drilling Inc.

⁴¹ American Bureau of Shipping Certificate of Classification, Oct. 19, 2009, TRN-MDL-00272528.

⁴² Underwater Inspection in Lieu of Dry-Docking (UWILD). The UWILD has been recognized as a valid means to meet the regulatory and MODU Code requirements that a MODU be dry-docked every five years. The MODU Code specifically states at 1.6.2.5 that "the drydock survey and the inspection of items surveyed at the same time should be such as to ensure that they remain satisfactory for the service for which the unit is intended. An Administration may allow underwater inspections in lieu of a drydock survey provided that they are satisfied that such an inspection is equivalent to a drydock survey." It should be noted that the U.S. Coast Guard also finds that UWILDs are acceptable to meet the dry-dock requirements for U.S. flag MODUs. 46 C.F.R. § 107.267; Coast Guard Marine Safety Manual, Vol. II, Section B, Chapter 3.

⁴³ ABS Class Survey Report Number MC1722260, TRN-MDL-01134503.

⁴⁴ Republic of the Marshall Islands *Deepwater Horizon* Marine Casualty Investigation Report, at 58.

⁴⁵ Deposition of Neil Cramond, 331:13-332:6.

⁴⁶ The Marshall Islands, which established the minimum manning standards for the *Deepwater Horizon*, requires that both a Master and an OIM be on-board when a dynamically-positioned MODU or drillship is on location (i.e., drilling or engaged in industrial operations). Schedule DPV to Marshall Islands Marine Notice No. 7-038-2, Minimum Safe Manning Requirements for Vessels, <http://www.register-iri.com/forms/upload/MN-7-038-2.pdf>.

⁴⁷ Republic of the Marshall Islands *Deepwater Horizon* Marine Casualty Investigation Report, at 58.

assistance as necessary.⁴⁸ Pursuant to Marshall Islands requirements, the Master is also in command while the MODU is underway and during all emergencies.⁴⁹ The *Deepwater Horizon* Operations Manual clearly states that the Master has overriding authority and responsibility to make decisions with respect to safety and pollution prevention.⁵⁰ The Station Bill for the *Deepwater Horizon* clearly establishes the chain of command in an emergency and establishes the Master as the person in charge.⁵¹

Pursuant to the *Deepwater Horizon* Operations Manual, when the vessel was on location and in drilling or industrial operations mode, the Offshore Installation Manager (OIM), who must hold a marine license, is designated the person in charge. On the other hand, when the vessel is in transit, as required by Marshall Islands requirements, the Master is designated the person in charge.⁵² Nonetheless, regardless of whether the rig was in drilling mode or in transit, the Master retained his overriding authority and was clearly designated as the person in charge during an emergency per the rig Station Bill.

B. Emergency Response and Evacuation

Upon review of Transocean written emergency plans and procedures and the implementation and practice of those procedures onboard, which is verified by safety drill records, I conclude the *Deepwater Horizon* crew was prepared to properly respond to emergency events. Following a review of witness testimony regarding the speed at which the events unfolded the evening of April 20, 2010, I am convinced no other crew could have been more prepared or capable to effect an evacuation of all remaining survivors given the circumstances. The *Deepwater Horizon* crew executed their assigned duties flawlessly and with a few exceptions, according to plan. The majority remained calm, even in the midst of an escalating conflagration, to care for the injured and ensure a safe, orderly evacuation off the rig.

1. Sequence of Events on the Evening of April 20, 2010

Given the extreme conditions the *Deepwater Horizon* crew faced on April 20, 2010, an exact timeline of events is difficult to establish. However, the speed with which the catastrophic events unfolded that evening is undeniable. This is clearly illustrated by testimony from crew members.

Yancy Keplinger testified he was on the bridge when the Captain asked about a high pressure hissing sound.⁵³ When Keplinger heard the sound himself, he immediately looked at a monitor near the control panel that had a feed from a camera on the starboard side of the drill floor.⁵⁴ It was then that he saw mud spraying out of what he believed was the diverter pipe.⁵⁵

⁴⁸ ISM Code § 5.2.

⁴⁹ Republic of the Marshall Islands Maritime Act (MI-107) § 811(d).

⁵⁰ Exhibit 671, *Deepwater Horizon* Operations Manual § 2.1.

⁵¹ Exhibit 1453, *Deepwater Horizon* Emergency Response Manual, Vol. 1, TRN-MDL-00048518.

⁵² Exhibit 671, *Deepwater Horizon* Operations Manual § 2.1.

⁵³ Deposition of Yancy Keplinger, 75:14-76:5.

⁵⁴ *Id.* at 76:15-77:8.

⁵⁵ *Id.* at 77:2-77:13.

He ran back to the stability computer and zoomed in on the pipe when he heard and felt an explosion and saw flames.⁵⁶ The explosion occurred just seconds after he noticed mud spraying out of the pipe.⁵⁷ Immediately thereafter, combustible and toxic gas alarms were received on the main deck, the drill floor, the shaker room, the sack room, and other places.⁵⁸ Keplinger went directly to the alarm control panel and started pulling up the alarm pages.⁵⁹ He tried to silence a couple but realized his efforts were futile.⁶⁰ He noticed there were alarms for the shaker room, and he called to see if anyone was there.⁶¹ The phone rang five or six times with no answer.⁶² As soon as he hung up the phone, there was a second explosion that blacked out the rig.⁶³

Paul Meinhart, who was on watch in the engine control room, testified he saw a blue light on the alarm panel in the engine control room, indicating the presence of gas.⁶⁴ Within seconds of seeing the blue light, he heard an announcement from the bridge advising the *Damon Bankston*, a vessel working with the rig, to move away from the rig because of a well control situation.⁶⁵ Very shortly thereafter, other gas alarms went off.⁶⁶ Meinhart then recalls that, within seconds, the rig went dark.⁶⁷ Then, within 10 or 15 seconds of the rig going dark, there was an explosion.⁶⁸ Within another 10-15 seconds, there was a second explosion.⁶⁹

Craig Breland testified the time between the first explosion and the second explosion was “[m]aybe ten seconds, maybe less than that.”⁷⁰ Then “right after it happened, the fire alarm went off” and “over the PA it said this is not a drill, this is not a drill. Fire on the rig.”⁷¹ After another “[m]aybe 10, 15 seconds” or “[m]aybe 30,” “the abandon rig alarm went off and over the PA system.”⁷² Breland estimates the total time between the first explosion and the abandon alarm was between thirty seconds and a minute.⁷³

As this testimony illustrates, the personnel on the bridge the evening of April 20, 2010 quickly responded. Within seconds of the initial well blowout, the bridge crew instructed the *Damon Bankston* to move away from the rig. Immediately following the explosions, they sounded the general alarm and made PA announcements instructing the crew to muster for

⁵⁶ *Id.* at 78:9-18.

⁵⁷ *Id.* at 80:5-9.

⁵⁸ *Id.* at 80:11-81:23.

⁵⁹ *Id.* at 84:4-10.

⁶⁰ *Id.* at 84:11-14.

⁶¹ *Id.* at 86:16-87:5.

⁶² *Id.* at 87:6-8.

⁶³ *Id.* at 87:9-12.

⁶⁴ Deposition of Paul Meinhart, III, 278:3-9.

⁶⁵ *Id.* at 278:10-19.

⁶⁶ *Id.* at 114:16-115:5.

⁶⁷ *Id.* at 101:8-14.

⁶⁸ *Id.* at 103:23-104:2.

⁶⁹ *Id.* at 107:9-108:8.

⁷⁰ Deposition of Craig Breland, 157:9-13.

⁷¹ *Id.* at 157:21-158:6.

⁷² *Id.* at 158:21-159:2.

⁷³ *Id.* at 159:9-17.

evacuation. By utilizing both the general alarm and PA announcements, the crew was timely alerted of the emergency situation and guided to the forward lifeboats.⁷⁴

I believe it is very likely the bridge crew's quick decisions and clear instructions led to a safe and successful evacuation of the *Deepwater Horizon*.

2. *Deepwater Horizon* Emergency Policies and Procedures

(a) Emergency Response Plans

The *Deepwater Horizon* Emergency Response Manual provided the crew with necessary guidance on how to conduct themselves during the events of April 20, 2010. The Manual includes an Abandon Unit/Evacuation Plan, which adequately outlines the procedures for abandonment.⁷⁵ The Plan summarizes the proper protocol for launching lifeboats.⁷⁶ It also defines the roles of the *Deepwater Horizon* crew members during an evacuation.⁷⁷ According to the Plan, all personnel are instructed to don life preservers and immediately head to their assigned lifeboat upon hearing the Abandon Ship Alarm.⁷⁸ As discussed in detail below, the rig crew who survived the initial blast complied with these procedures.

(b) Emergency Response Drills

Emergency response drills were conducted aboard the *Deepwater Horizon* in accordance with the Transocean Health and Safety Policies and Procedures Manual. The manual specifies that Fire and Abandon emergency response drills must be conducted on installations at least weekly.⁷⁹ According to safety drill reports from the *Deepwater Horizon*, the following Fire and Abandon drills were conducted during April 2010:⁸⁰

⁷⁴ U.S. Coast Guard Witness Statement of Brian Dolliole, HCG059-000008 ("an alarm sounded and it was an alarm telling everyone to evacuate immediately"); U.S. Coast Guard Witness Statement of Darin Rupinski, Apr. 21, 2010, HCG059-000043 ("I was woken up by general alarm and announcement of fire"); U.S. Coast Guard Witness Statement of Eric Estrada, Apr. 21, 2010, HCG059-000056 ("heard a second 'boom' and the fire alarm, then heard P.A. announcement to report to muster stations for fire"); U.S. Coast Guard Witness Statement of Kevin Eugen, HCG059-000043 ("alarm went off to go to lifeboat"); U.S. Coast Guard Witness Statement of Steven Richards, Apr. 21, 2010, HCG059-000123 ("PA announcement and alarms fire – fire report to muster station").

⁷⁵ Exhibit 597, Transocean *Deepwater Horizon* Emergency Response Manual, Vol. 1 (Feb. 15, 2008).

⁷⁶ *Id.* at Section 10 (BP-HZN-IIT-0002653-2657).

⁷⁷ *Id.* (BP-HZN-IIT-0002654-2656).

⁷⁸ *Id.* (BP-HZN-IIT-0002657).

⁷⁹ Exhibit 1449, Transocean Health and Safety Policies and Procedures Manual, Section 4, Subsection 3.2, at 2 (Dec. 15, 2009).

⁸⁰ Transocean *Deepwater Horizon* Safety Drill Reports, Apr. 2010, TRN-INV-02643133.

DRILL TYPE	DRILL DATE	# OF POB	# ATTENDING
Fire	April 4, 2010	139	139
Abandon Ship	April 4, 2010	139	139
Fire	April 11, 2010	145	144
Abandon Ship	April 11, 2010	145	144
Fire	April 18, 2010	144	133
Abandon Ship	April 17, 2010	144	144

The last Fire drill was conducted two days prior to the incident; the last Abandon Ship drill was conducted three days prior to the incident. The safety drill reports indicate the crew mustered in a timely manner in response to both drills.⁸¹ During the Abandon Ship drill, the lifeboats were lowered as part of the weekly inspection.⁸² Similar drills were conducted on the rig in 2009 and January, February, and March 2010.⁸³

(c) Lifesaving Appliances

Sufficient lifesaving appliances were available to the *Deepwater Horizon* crew on the evening of April 20, 2010. The *Deepwater Horizon* had a total of four lifeboats with the primary muster location at Lifeboats Numbers 1 and 2 located forward on the rig. Lifeboats Numbers 3 and 4 were ‘alternate’ muster locations and located aft on the rig.⁸⁴ Each lifeboat was certified to carry 73 people.⁸⁵ Thus, each muster station, ‘primary’ (forward) or ‘alternative’ (aft) had a total lifeboat capacity of 146 people, well above the 126 individuals onboard the rig. In addition to four lifeboats, the *Deepwater Horizon* was equipped with six 25-man life rafts.⁸⁶ Three were located forward by the lifeboat deck, and three were located aft.⁸⁷

⁸¹ *Id.* at 3135–3142.

⁸² *Id.* at 3135–3138.

⁸³ See, e.g., Transocean *Deepwater Horizon* Safety Drill Report, Abandon Ship Drill, Nov. 22, 2009, TRN-MDL-00030777; Transocean *Deepwater Horizon* Safety Drill Report, Fire Drill, Oct. 18, 2009, TRN-MDL-00030749; Transocean *Deepwater Horizon* Safety Drill Reports, Jan. 2010, TRN-INV-02642994; Transocean *Deepwater Horizon* Safety Drill Reports, Feb. 2010, TRN-INV-02643172; Transocean *Deepwater Horizon* Safety Drill Reports, Mar. 2010, TRN-INV-02643082.

⁸⁴ Exhibit 597, Transocean *Deepwater Horizon* Emergency Response Manual, Station Bill (BP-HZN-MBI-00132325).

⁸⁵ Mobile Offshore Drilling Unit Safety Certificate, Mar. 21, 2000, TRN-MDL-00272560.

⁸⁶ *Id.*

⁸⁷ *Id.*

3. Effectiveness of Muster and Evacuation

Crew members and visitors alike were schooled in the muster process. The rig Station Bill readily identified the crew's muster stations.⁸⁸ To ensure the Station Bill was easily accessible by all crew members, the Station Bill was conspicuously displayed throughout the rig in accordance with the 1989 MODU Code.⁸⁹ Moreover, all new crew members and visitors that arrived on the *Deepwater Horizon* reviewed the Station Bill as part of the rig orientation.⁹⁰ Crew members also were required to report to their respective muster stations during weekly emergency response drills.⁹¹ With these policies and procedures in place, the *Deepwater Horizon* crew was fully prepared for the muster process on the evening of April 20, 2010.

After attempting to muster in accordance with the Station Bill and instructions from the bridge, all 115 survivors of the initial blast abandoned the rig. Four persons apparently panicked and jumped into the water before lifeboats were launched.⁹² It is a true testament to the crew's training and safety culture that only these individuals jumped prior to any lifesaving appliance being launched.

Seven members disembarked the *Deepwater Horizon* via one life raft. These seven individuals arrived at the forward lifeboat stations after the two lifeboats were launched. Their delayed arrival was due mainly to their individual efforts to help other persons, continue emergency announcements, and attempt to start emergency systems.

Chad Murray, the Chief Electrician, had to take several alternate routes to reach the muster area. He assisted an injured crew member to the medic. At the lifeboats, he helped severely injured crew members successfully evacuate the rig before boarding the life raft.⁹³

Dave Young, the Chief Mate, immediately reported to the bridge after the first explosion. He ensured the general alarm was sounded and reported to his fire fighting station before proceeding to the lifeboats.⁹⁴

Wyman Wheeler, a Toolpusher, was injured, which delayed his arrival at the lifeboats.⁹⁵

⁸⁸ See Exhibit 597, Transocean *Deepwater Horizon* Emergency Response Manual, Station Bill (BP-HZN-MBI-00132325).

⁸⁹ See Deposition of David Hackney, 55:2-12; see also Code for the Construction and Equipment of Mobile Offshore Drilling Units, Chapter 14.8.10 ("Muster lists should be exhibited in conspicuous places throughout the unit including the control rooms and accommodation spaces.").

⁹⁰ Deposition of Gerald Canducci, 689:1-13.

⁹¹ See e.g., Transocean *Deepwater Horizon* Safety Drill Reports, Apr. 2010, TRN-INV-02643133.

⁹² U.S. Coast Guard Witness Statement of Brandon Boullion, Apr. 21, 2010, HCG059-000007; U.S. Coast Guard Witness Statement of Greg Meche, Apr. 21, 2010, HCG059-000059; U.S. Coast Guard Witness Statement of Shane Faulk, Apr. 21, 2010, HCG059-000114.

⁹³ U.S. Coast Guard Witness Statement of Chad Murray, Apr. 21, 2010, HCG059-000016.

⁹⁴ U.S. Coast Guard Witness Statement of David Young, Apr. 22, 2010, HCG059-000049.

Stanley Carden, Jr., the Electrical Supervisor, assisted an injured crew member to the medic before helping Wyman Wheeler, who was also injured, to the forward lifeboat station.⁹⁶

Andrea Fleytas, the Dynamic Positioning Officer on watch at the time of the explosions, stayed on the bridge to make emergency radio calls. She ultimately made her way to a life raft.⁹⁷

Miles Randy Ezell, the Senior Toolpusher, aided others in helping two injured crew members, Buddy Trahan and Wyman Wheeler. He helped load Wyman Wheeler into the raft, before boarding the raft himself.⁹⁸

Steve Bertone, the Chief Engineer, guided other crew members to forward spiral staircases and out to muster areas. Bertone, along with Mike Williams and Paul Meinhart, attempted to start the standby generator. He also aided in preparing the life raft to deploy and assisted loading severely injured personnel into the raft, before also boarding.⁹⁹

The last four crew members to depart the *Deepwater Horizon* were Captain Curt Kuchta, the Master; Mike Williams, the Chief Electronic Technician; Paul Meinhart, a Motorman; and, Yancy Keplinger, the Senior Dynamic Positioning Officer on watch at the time of the explosions. These four performed emergency response activities, such as launching life rafts, attempting to start the emergency generator and other activities, as long as possible before being forced to jump from the rig due to the growing intensity of the fire.¹⁰⁰

Although nothing could fully prepare anyone for the unprecedented events that transpired on April 20, 2010, the Abandon Unit/Evacuation Plan, the Station Bill, and the emergency response drills ensured the entire rig crew was prepared to respond in an emergency situation. The crew members themselves also were integral to the success of the muster and evacuation. Normal evacuation routes were blocked by debris and damage to the rig from the initial explosions. Throughout the evacuation, the rig remained engulfed in flames and the conditions aboard the continued to deteriorate with every passing second. Yet, certain individuals managed to assist those that were injured make their way to the awaiting lifeboats and life rafts. Despite

⁹⁵ U.S. Coast Guard Witness Statement of Chad Murray, Apr. 21, 2010, HCG059-000016; U.S. Coast Guard Witness Statement of Stanley Carden, Apr. 21, 2010, HCG059-000115.

⁹⁶ U.S. Coast Guard Witness Statement of Stanley Carden, Apr. 21, 2010, HCG059-000115.

⁹⁷ U.S. Coast Guard Witness Statement of Andrea Fleytas, Apr. 21, 2010, HCG059-000126.

⁹⁸ U.S. Coast Guard Witness Statement of Miles Randall Ezell, Apr. 21, 2010, HCG059-000094.

⁹⁹ U.S. Coast Guard Witness Statement of Steve Bertone, Apr. 21, 2010, HCG059-000120.

¹⁰⁰ U.S. Coast Guard Witness Statement of Curt Kuchta, Apr. 21, 2010, HCG 059-000026; U.S. Coast Guard Witness Statement of Michael Williams, Apr. 21, 2010, HCG059-000090; U.S. Coast Guard Witness Statement of Yancy Keplinger, Apr. 21, 2010, HCG 059-000142; U.S. Coast Guard Witness Statement of Paul Meinhart, Apr. 21, 2010, HCG 059-000103.

unimaginable circumstances, all 115 crew members who survived the initial explosions were able to safely evacuate to the *Damon Bankston*.

C. Safety Culture

I have reviewed documents and testimony regarding Transocean's safety policies and programs and the implementation of those programs. I have also reviewed documentary evidence and testimony regarding company attitudes toward Transocean's safety culture, from upper management to the rig crews. Based on this review, I conclude that the *Deepwater Horizon* crew demonstrated a strong safety culture, which was integrated into the daily operational activities performed onboard the rig. Further, I have found no evidence that any lack of commitment to safety by the crew of the *Deepwater Horizon* could have contributed to the events of April 20, 2010.

1. Transocean Safety Programs

Transocean implemented several programs and processes to ensure all activities performed on its MODUs and offshore rigs were safely conducted. These processes were effectively implemented on the *Deepwater Horizon* and played a significant role in supplementing the rig's commitment to safety.

(a) START Process

The Transocean START Process is used to observe and monitor work practices, THINK plans, and workplace conditions.¹⁰¹ Employees are empowered to observe tasks and work areas for both safe and unsafe behaviors and conditions. The policy likewise empowers employees to monitor themselves and others to ensure the safe execution of THINK plans by interrupting and correcting unsafe behaviors, conditions, and unplanned changes.¹⁰² Goals of the START Process include increasing personnel's ability to recognize and respond to hazards, promoting accountability for maintaining a safe workplace, and obtaining commitment among co-workers to repeat safe behavior.¹⁰³ Daily START observations are recorded on START Cards.¹⁰⁴ The Card captures observations of behaviors, personnel positioning, personal protective equipment, tools and equipment, conditions (e.g. weather, lighting potential, condition of work area), and environmental concerns.¹⁰⁵

¹⁰¹ Exhibit 1449, Transocean Health and Safety Policies and Procedures Manual, Section 4, Subsection 5.1 (TRN-MDL-00046738).

¹⁰² *Id.*

¹⁰³ *Id.*

¹⁰⁴ *Id.*

¹⁰⁵ *Id.* at Figure A.

(b) THINK Planning Process

The Transocean THINK Planning Process sets forth guidelines and procedures for personnel to confirm proper risk controls are in place prior to beginning all tasks.¹⁰⁶ The purpose of such a policy is to ensure hazards are identified and risks are effectively managed and controlled at all times.¹⁰⁷ The steps in the process are (1) Plan; (2) Inspect; (3) Identify; (4) Communicate; and (5) Control. The THINK Planning Process was utilized on the *Deepwater Horizon* and, indeed, expected by leadership on the rig.¹⁰⁸

(c) Time Out For Safety

On each of its rigs, Transocean implements a program called “Time Out for Safety” (TOFS). During rig operations, everyone has the authority, indeed an obligation, to stop work if an activity poses a safety risk of any magnitude. The exercise of this authority is referred to as a TOFS.¹⁰⁹ To illustrate, Mark Hay, a Transocean Subsea Supervisor, noted that Transocean as a corporation and the *Deepwater Horizon* crew in particular emphasized the TOFS program. He testified that: “Any time you see[] somebody working unsafe[ly] or if you really didn't know what they w[ere] doing, . . . we []forced everybody to take the time out for safety, discuss it, talk about it, and start the job over. In the middle of a job if—if you thought there was a different way or better way, we could take a timeout for safety.”¹¹⁰ The *Deepwater Horizon* regularly utilized the TOFS program as a safety tool aboard the rig.¹¹¹

Transocean management encourages employees to utilize this authority and recognizes those who call a TOFS through the “I Made a Difference” campaign. As described by Gerald Canducci, QHSE Manager for North America, the “I Made a Difference” campaign starts with a documented time-out for safety that occurred on a rig.¹¹² The corporate office “choose[s] one that is noteworthy and they distribute it throughout the company saying, trying to show people that calling a time-out for safety is nothing to be frightened to do. We encourage it every day, all the time.”¹¹³

2. Orientations, Safety Meetings, and Safety Programs

The importance of creating a safe working environment and conducting safe operations was also reinforced through comprehensive orientations, daily and weekly safety meetings, and safety programs implemented on the *Deepwater Horizon*. Additionally, the crew conducted numerous drills, including: fire, evacuation, and muster drills, many of which are addressed in detail in the Emergency Response and Evacuation section of this report.

¹⁰⁶ *Id.*

¹⁰⁷ *Id.* at Section 4, Subsection 2.1 (TRN-MDL-00046628).

¹⁰⁸ Deposition of Nick Watson, 172:11-17.

¹⁰⁹ Exhibit 1449, Transocean Health and Safety Policies and Procedures, Section 4, Subsection 2.1 (TRN-MDL-00046633-6634).

¹¹⁰ Deposition of Mark Hay, Vol. 2, 176:12-23.

¹¹¹ Deposition of David Hackney, 175:3-176:15.

¹¹² Deposition of Gerald Canducci, 576:5-17.

¹¹³ *Id.*

(a) Orientations

When crew or visitors arrived at the rig, they were required to participate in a comprehensive orientation program.¹¹⁴ The orientation incorporated safety videos and briefing, discussion of evacuation procedures, identification of required personal protective equipment, and a rig tour, which included identification of assigned lifeboat stations.¹¹⁵ Additionally, the Station Bill was reviewed, which outlines individual assignments in the event of an emergency.¹¹⁶ The *Deepwater Horizon* crew and those who visited the rig consistently testified the orientation was thorough, extensive, professionally conducted,¹¹⁷ and contributed to the successful evacuation of the rig.¹¹⁸

(b) Safety Meetings

Each day on the *Deepwater Horizon*, two safety meetings were conducted: one at each tour change. Additionally, there were once weekly rig-wide safety meetings and once weekly departmental safety meetings.¹¹⁹ Accordingly, in a given week, each crew member participated in approximately sixteen safety meetings. In addition to Transocean employees, BP crew members and third party contractors also participated. Records of the occurrence of these meetings are evidenced in IADC Daily Drilling reports.¹²⁰

Testimony from the crew indicates that the meetings were well-attended and taken seriously.¹²¹ The content of the meetings varied and included corporate and regulatory safety bulletins, lessons learned, upcoming jobs, good safety practices, and safety planning.¹²²

¹¹⁴ See *id.* at 689:1-6.

¹¹⁵ Deposition of Alan Schneider, 95:2-18; Deposition of William LeNormand, 126:13-127:3.

¹¹⁶ Deposition of Jerry Canducci, 689:1-13.

¹¹⁷ See, e.g., Deposition of Alan Schneider, 372:6-10.

¹¹⁸ Deposition of Ross Skidmore, 267:6-268:16; Deposition of Victor Martinez, 269:1-13.

¹¹⁹ See, e.g., Deposition of Caleb Holloway, 152:5-153:21.

¹²⁰ IADC Report, Apr. 18, 2010, TRN-HCJ-00076339 (discussing safety meetings).

¹²¹ See, e.g., Deposition of Paul Meinhart, 260:6-261:8.

¹²² Deposition of Nick Watson, 46:11-24; 169:13-170:23; Deposition of Paul Meinhart, 36:11-37:19.

3. Attitudes Toward Safety

Transocean management emphasized and encouraged safety, and this philosophy was communicated through the organization and effectively implemented at all levels.¹²³

(a) Shore-Based Management

Transocean management's support for safety is embodied in the Transocean Safety Vision: "[Transocean's] operations will be conducted in an incident-free workplace—all the time, everywhere."¹²⁴ Transocean management worked to foster an effective safety management culture and ensure that the company's safety vision resonated through to the crew members aboard its rigs. By way of example, the *Deepwater Horizon* Rig Manager Performance began his daily meeting with the rig crew by discussing safety as the first priority and item of business.¹²⁵ But, perhaps the best indication of management's dedication to safety is the rig crew members themselves. Based on surveys regarding the rig's safety culture, 100% of the crew members believed they understood the safety procedures and hazards of their jobs because of the training and support they received.¹²⁶ 97.6% of survey participants believed that Line Managers listened and acted on the workforce's safety concerns.¹²⁷ An anonymous responder to the survey referred to the Rig Manager as "a very strong safety leader."¹²⁸

(b) Rig Management

The rig management for the *Deepwater Horizon* supported a robust safety culture aboard the rig, and the crew aboard the *Deepwater Horizon* viewed the rig-based management in a very positive light.¹²⁹ David Young, Chief Mate on the *Deepwater Horizon*, referred to the rig's safety as "top-down...it really worked in both directions...the Supervisors [were] there [to] teach everybody about the expectations. And at the same time...the guys at the lower end were able to

¹²³ See Exhibit 3818, Lloyd's Register Safety Management and Safety Culture/Climate Summary Review for *Deepwater Horizon* at 21 (TRN-MDL-00119612) (finding that nearly all survey participants believed that Transocean felt that their safety was important to them); *id.* (referring to anonymous crew statement "[Leadership is] 'visible, approachable, and safety oriented.'"); *id.* at 8 (97.6% of participants were encouraged to raise ideas and suggest safer ways to do things).

¹²⁴ Exhibit 1449, Transocean Health and Safety Policies and Procedures Manual, Section 1, Subsection 2 (Dec. 15, 2009).

¹²⁵ Deposition of Paul Johnson, Vol. 1, 47:9-48:23.

¹²⁶ See Exhibit 3818, Lloyd's Register Safety Management and Safety Culture/Climate Summary Review for *Deepwater Horizon* at 8 (TRN-MDL-00119619).

¹²⁷ *Id.*

¹²⁸ *Id.* at 12.

¹²⁹ *Id.* at 20. In addition, Doug Brown said of Jimmy Harrell, the Offshore Installation Manager (OIM), "with Jimmy, it was 'the safe way or no way.'" Deposition of Doug Brown, 298:3-6. Murry Sepulvado concurred with Doug Brown's assessment of Jimmy Harrell, attesting he "was always on top of safety and safety was always number one." Deposition of Murry Sepulvado, 531:2-3.

stop jobs [and] bring up safety issues that would be addressed by the upper level management.”¹³⁰

The crew’s commitment to safety as implemented by the rig’s management also was recognized by BP and other third parties onboard the rig. For example, Patrick O’Bryan, BP’s Vice President of Drilling and Completions for the Gulf of Mexico, Deepwater, characterized the *Deepwater Horizon* as the best-performing rig in BP’s fleet—in terms of both drilling performance and safety.¹³¹ Murray Sepulvado, one of the BP Well Site Leaders, described Transocean’s culture as “safety first, environment, and then the task at hand, and everybody supported that.”¹³² Ronnie Sepulvado, another BP Well Site Leader, testified the *Deepwater Horizon* crew were “good people, good workers and good safety people.”¹³³ Other BP employees echoed this praise of Transocean’s safety culture, describing the rig as “very safety-oriented,” a “leader[] of the pack,”¹³⁴ and managed by safety conscious individuals.¹³⁵

(c) Rig Crew

Bill Sannan, Transocean General Manager – North America, expressed that “the safety performance of the *Deepwater Horizon* was very good.”¹³⁶ Members of the rig’s subsea team also confirmed that “safety was paramount on the *Horizon*” and that the *Deepwater Horizon* crew placed an emphasis on safety.¹³⁷ Transocean Floorhand Caleb Holloway also stressed that safety was prioritized on the rig, where the importance of maintaining a safe working environment was underscored.¹³⁸ Likewise, Transocean Roustabouts Nick Watson and Dustin Johnson explained, respectively, that the safety policies and procedures were strictly enforced,¹³⁹ and that the rig put safety first, twenty-four hours a day, seven days a week.¹⁴⁰ Brent Mansfield, a Transocean First Assistant Engineer, concurred, noting that rig management, supported and encouraged time outs for safety.¹⁴¹ Caleb Holloway, a Transocean Floorhand, reiterated that everyone had the right to call a TOFS, and personally he felt comfortable calling a TOFS if he perceived a situation to be potentially hazardous. Rig management supported Holloway when he used the timeout for safety procedure, and Holloway was unaware of any Transocean employee

¹³⁰ Deposition of David Young, Vol. 1, 323:18-324:1.

¹³¹ Deposition of Pat O’Bryan, 482:25-483:6.

¹³² Deposition of Murry Sepulvado, 533:5-8.

¹³³ Deposition of Ronnie Sepulvado, 476:8-15.

¹³⁴ Deposition of Keith Daigle, 215:25-216:4.

¹³⁵ Deposition of Angel Rodriguez, 144:3-13.

¹³⁶ Deposition of William Sannan, 31:18-22.

¹³⁷ Deposition of Mark Hay, 176:6-7, 179:10-17; Deposition of Chris Pleasant, 35:13-36:9.

¹³⁸ Deposition of Caleb Holloway, 142:7-14.

¹³⁹ Deposition of Nick Watson, 151:4-15.

¹⁴⁰ Deposition of Dustin Johnson, 173:18-24; Deposition of Paul Meinhart, 259:12-16 (safety was constantly emphasized).

¹⁴¹ Deposition of Brent Mansfield, 107:11-108:8; 109:17-24.

being reprimanded for calling a TOFS.¹⁴² David Hackney, a Master aboard the *Deepwater Horizon*, described the *Deepwater Horizon* safety culture as strong and effective.¹⁴³

The testimony of third-party subcontractor employees confirms this view. To illustrate, Kelly Gray of Sperry Sun observed that the rig's performance was a testament to the crew's "commitment to safety,"¹⁴⁴ and a Cameron hand, William LeNormand, echoed the opinion that safety was a priority on Transocean rigs.¹⁴⁵

I also note that various third party representatives and regulatory inspectors had been aboard the *Deepwater Horizon* to conduct inspections. These individuals are experienced inspectors and visit and inspect multiple rigs in the course of their day-to-day work. As part of these inspections, one facet, in addition to regulatory compliance, would be to assess safety culture based on observed safety practices. While they would not have had an intimate knowledge of the *Deepwater Horizon's* safety culture, they would have been in a good position to compare their experiences aboard the *Deepwater Horizon* with their experiences aboard other rigs and subjectively form an opinion. These individuals confirmed that Transocean was "serious about safety management,"¹⁴⁶ the rig's safety culture was "safety conscious,"¹⁴⁷ and the rig was committed to regulatory compliance.¹⁴⁸

In conclusion, my review and analysis leads me to conclude that the safety programs developed by Transocean and implemented by the safety-conscious crew onboard the *Deepwater Horizon*, combined to create a strong and effective safety culture on the rig. My conclusions are supported by the testimony of Transocean, BP, and subcontractor employees, as well as that of the U.S., the Flag State, and independent inspectors who inspected the rig and observed operations onboard.

D. Vessel Integrity

Based on a review of audits and inspections, depositions, and testimony of key personnel and various reports, the *Deepwater Horizon* was fit for the service intended on April 20, 2010. Since delivery of the *Deepwater Horizon* in 2001, the rig has undergone continuous inspections, surveys, and audits conducted by the recognized Flag State, Coastal State, Classification Societies, BP, and external auditors on behalf of Transocean.

¹⁴² See Deposition of Caleb Holloway, Vol. 1, 94:18-95:20, 150:15-151:12; see also Deposition of Nick Watson, Vol. 1, 168:16-169:12.

¹⁴³ Deposition of David Hackney, Vol. 1, 174:24-175:2 (describing the *Deepwater Horizon* safety culture as strong and effective).

¹⁴⁴ Deposition of Kelly Gray, Vol. 2, 525:20-526:4.

¹⁴⁵ Deposition of William LeNormand, Vol. 2, 126:8-12.

¹⁴⁶ See Deposition of David McKay, Vol. 1, 100:23-101:22; see also Deposition of Alan Schneider, Vol. 1, 33:11-34:10.

¹⁴⁷ Deposition of Eric Neal, Vol. 1, 131:7-132:6; Deposition of Alan Schneider, Vol. 1, 370:22-372:10 (discussing the sophistication and thoroughness of the *Deepwater Horizon's* rig safety orientation).

¹⁴⁸ Deposition of Eric Neal, Vol. 1, 131:7-132:6; Deposition of William Hainey, 184:25-188:12, 278:7-12; U.S. Coast Guard Certificate of Compliance, Jul. 27, 2009, TRN-MDL-01101583-1585.

While mandated statutory surveys and inspections assess the rig against statutory standards, the *Deepwater Horizon* was also subjected to BP audits and voluntary ModuSpec USA, Inc. (ModuSpec) audits that went well beyond the basic statutory regime and were designed to be a much more rigorous, inward-focused self analysis that incorporated not only statutory compliance, but compliance with more stringent company goals.

In view of the *Deepwater Horizon*'s documented compliance with statutory requirements, and based on the corrective actions taken to rectify the results of the 2009 BP Marine Assurance Audit¹⁴⁹ and the purpose of ModuSpec's April 2010 Rig Condition Assessment Survey as discussed below, I am of the opinion and conclude that the *Deepwater Horizon* was fit for the service intended as of April 20, 2010.

1. Compliance with Flag, Port State and Classification Society

The *Deepwater Horizon* was current on all its required Flag State surveys and certifications and possessed all required international and Flag State documents and certificates with no outstanding deficiencies. Additionally, the rig, operating in U.S. waters, held a valid and current U.S. Coast Guard Certificate of Compliance.¹⁵⁰ Of specific note, William Haynie, principal surveyor for ABS, concluded that at no point in time did ABS uncover any deficiency or evidence that Transocean was not keeping the *Deepwater Horizon* in compliance with ABS Class Rules. He further attested that at the time of the explosion on April 20, 2010, the rig was considered to be "in class."¹⁵¹

2. Audits Conducted Beyond the Statutory Requirements

In addition to the mandated surveys and inspections to ensure statutory compliance, BP and Transocean routinely conducted detailed audits and surveys above and beyond those required by regulation to specifically assess the vessel's overall condition against more stringent company requirements. BP initially conducted an Integrated Acceptance Audit in 2001.¹⁵² Following this audit, BP conducted Technical Rig and/or Marine Assurance audits on January 17-21, 2005,¹⁵³ January 15-19, 2008,¹⁵⁴ and September 13-17, 2009.¹⁵⁵ Additionally, Transocean, on its own accord, contracted with a third party, ModuSpec, to conduct a comprehensive rig condition assessment from April 1-12, 2010. The closeout of the BP 2009 Marine Assurance Audit¹⁵⁶ and the ModuSpec Rig Condition Assessment of April 1-12, 2010¹⁵⁷ provides the most accurate picture of the rig's condition as of April 20, 2010.

¹⁴⁹ Deposition of Angel Rodriguez, 164:1-170:10.

¹⁵⁰ The statutory compliance of the *Deepwater Horizon* is discussed in detail above.

¹⁵¹ Deposition of William Haynie, 277:25-278:12; 280:4-25.

¹⁵² Exhibit 6164, BP DWH Integrated Acceptance Audit, Aug. 2001.

¹⁵³ Exhibit 6165, BP DWH Technical Audit, Jan. 2005.

¹⁵⁴ Exhibit 6166, BP DWH Technical Rig Audit, Jan. 2008.

¹⁵⁵ Exhibit 1887, BP DWH Marine Assurance Audit, Sep. 2009.

¹⁵⁶ Exhibit 1832, DWH BP CMID Audit Work List.

¹⁵⁷ Exhibit 0088, ModuSpec Rig Condition Assessment, Apr. 2010.

(a) BP Rig and Marine Assurance Audit of September 13-17, 2009

As part of a planned maintenance schedule, the *Deepwater Horizon* commenced an out of service period on August 31, 2009 to conduct an Underwater Survey in Lieu of Drydocking (UWILD) survey and dynamic positioning system upgrades.¹⁵⁸ In conjunction with the UWILD survey, BP additionally conducted a rig and marine assurance audit to determine if the vessel was seaworthy and fit for its duty as a drilling rig.¹⁵⁹ As part of the audit process, BP used their Common Marine Inspection Document (CMID) MODU Annex as a template to conduct the audit. The CMID is considered to be a common marine auditing standard based upon guidance issued by the International Marine Contractor's Association (IMCA).¹⁶⁰ All noted discrepancies identified were tracked on Audit Report Action Sheets (ARAS) and included recommendations on the time frames for resolution of individual items. These discrepancies and recommendations were presented to Transocean for review and resolution.¹⁶¹

The ARAS identified 70 discrepancies that were considered marine-related. Each item was categorized on a spreadsheet by reference number and CMID reference number, with the description of the discrepancy, targeted completion date to be resolved, corrective action plan, and BP acceptance (sign off) of the item when completed. The listed discrepancies had various target completion dates depending upon the severity of the deficiency as determined by BP.¹⁶²

Of particular note, certain discrepancies were deemed critical enough to require resolution before the *Deepwater Horizon* could commence operations. These discrepancies were resolved by Transocean and the rig was cleared by BP to begin drilling operations on September 22, 2009.¹⁶³ Neil Cramond, the BP's Gulf of Mexico SPU Marine Authority, who was responsible for overseeing BP's marine program, reached the conclusion that, as a result of the mitigation plan that was put into place to address remaining discrepancies and based on those conditions that were rectified, the *Deepwater Horizon* did not pose a marine safety risk as of September 22, 2009.¹⁶⁴ However, Paul Johnson, Transocean's Rig Manager for the *Deepwater Horizon*, despite having authority from BP to resume drilling operations, stated he personally held up the rig from going back to work for an additional 5 to 6 days until issues with the pipe rack system were resolved.¹⁶⁵

When the rig returned to service, the *Deepwater Horizon* crew and Transocean management worked to rectify the deficiencies identified in the audit based on the mitigation plan approved by BP. A good working relationship was evident between BP's audit review team and the Transocean crew responsible for fixing all discrepancies. Brett Cocalles, BP Operations Engineer, believed that the crew of the *Deepwater Horizon* deserved to be commended for

¹⁵⁸ Exhibit 1887, BP DWH Marine Assurance Audit, Sep. 2009, at 2.

¹⁵⁹ Deposition of John Guide, 227:12-228:11.

¹⁶⁰ Exhibit 4377, BP CMID MODU Annex for Deepwater Horizon, Sep. 2009 (BP-HZN-2179MDL01270746).

¹⁶¹ *Id.* at 0747.

¹⁶² Exhibit 1832, DWH BP CMID Audit Work List.

¹⁶³ Deposition of Angel Rodriguez, 152:5-20; Deposition of John Guide, 227:12-230:25; Deposition of Norman Wong, 319:5-321:9.

¹⁶⁴ Deposition of Neil Cramond, 302:6-25.

¹⁶⁵ Deposition of Paul Johnson, 547:4-549:22.

completing 63 of the 70 items over a 5 month period.¹⁶⁶ Norman Wong, manager of BP's Rig Audit Group, stated that as a result of the audit findings and follow up efforts, BP was satisfied the rig could operate safely.¹⁶⁷

Upon review of BP's CMID audit work list, 63 of 70 deficiencies were signed off as completed by March 29, 2010.¹⁶⁸ The remaining 7 items were awaiting parts or to be sent ashore for repair and these remedial actions were approved by BP.¹⁶⁹ Of significant note, BP's Marine Authority, Neil Cramond, was not aware of any conditions on the *Deepwater Horizon* through April 2010 that would give rise to safety concerns.¹⁷⁰ This was confirmed by other BP personnel.¹⁷¹ Cramond also was not aware of any items from the 2009 audit that remained outstanding that were directly related to the April 20, 2010 incident onboard the *Deepwater Horizon*.¹⁷² Additionally, Mark Bly, BP Investigative Team Leader for the BP internal investigation, considered the *Deepwater Horizon* to be one of the best rigs in the BP fleet.¹⁷³

(b) ModuSpec Audit Report of the *Deepwater Horizon*

Transocean contracted ModuSpec to complete a condition assessment of the primary assets of the rig including drilling equipment, mud system, well control equipment, marine equipment, hull, structure, power plant, electrical equipment and safety equipment. A Rig Condition Assessment was conducted on the *Deepwater Horizon* by ModuSpec during the period from April 1–12, 2010.¹⁷⁴

According to Peter Sierdsma, President of ModuSpec, the survey conducted for Transocean was a voluntary effort over and above those surveys required by various laws and regulations that apply to MODUs.¹⁷⁵ ModuSpec's survey was intrusive, meaning that the equipment was opened for inspection.¹⁷⁶ The Rig Condition Assessment was specific to Transocean and followed Transocean guidelines and good oilfield practices based on industry standards.¹⁷⁷ The goal was to provide Transocean with a true, unbiased assessment of the vessel's condition,¹⁷⁸ and to determine the effectiveness of, and the unit's compliance with, Transocean's maintenance and management system.¹⁷⁹ ModuSpec's Rig Condition Assessment

¹⁶⁶ Deposition of Brett Cocalles, 485:14-20.

¹⁶⁷ Deposition of Norman Wong, 320:21-321:1.

¹⁶⁸ Deposition of Angel Rodriguez, 59:23-61:2.

¹⁶⁹ *Id.* at 61:24-62.9; Exhibit 1832, DWH BP CMID Audit Work List.

¹⁷⁰ Deposition of Neil Cramond, 314:4-315:5; 318:21-319:11.

¹⁷¹ Deposition of Brett Cocalles, 487:10-488:19.

¹⁷² Deposition of Neil Cramond, 199:10-13.

¹⁷³ Deposition of Mark Bly, 231:24-232:3.

¹⁷⁴ Exhibit 0088, ModuSpec Rig Condition Assessment, Apr. 2010, at 7-9.

¹⁷⁵ Deposition of Peter Sierdsma, 115:2-25.

¹⁷⁶ Deposition of Alan Schneider, 24:19-25:12; 53:2-13.

¹⁷⁷ Deposition of Alan Schneider, 25:18-26:25.

¹⁷⁸ *Id.* at 33:20-23.

¹⁷⁹ Deposition of Peter Sierdsma, 37:20-38:21.

concluded that the rig appeared to be in fair condition for marine integrity and that the hull was in good condition.¹⁸⁰

Alan Schneider, Technical Supervisor for ModuSpec and the lead surveyor on the April 2010 survey, stated that after ten days of being on the *Deepwater Horizon*, he felt there was no condition that provided an imminent danger that warranted a shutdown of the rig.¹⁸¹ While there were numerous findings in the report that required additional maintenance typical of a rig this age, ModuSpec's Marine Equipment Rating (MER), a system by which the *Deepwater Horizon* is compared to other MODUs operating in the Gulf of Mexico and worldwide, was considered favorable by Schneider.¹⁸²

3. Structural Fire Protection, MODU Structure and Stability

Since the *Deepwater Horizon* was designed to comply with the 1989 MODU Code, the rig met regulatory requirements related to the construction requirements for structural fire protection (SFP). The design philosophy behind SFP is the segregation of spaces onboard the rig by relative fire hazard potential and time barriers to prevent spread of fire and smoke both vertically and horizontally by means of bulkhead integrity and insulation value. Separation of spaces by A, B, or C class bulkheads on the *Deepwater Horizon* were appropriately insulated where required.¹⁸³

In addition to passive (non-combustible) space segregation, the rig was outfitted with active fire protection capability, including sprinkler systems and failsafe fire dampers. Remote activated fire dampers are designed to close in the event of fire or gas detection.¹⁸⁴ All 26 remote operated dampers passed BP's September 2009 audit and were signed off as operational on October 20, 2009.¹⁸⁵ Additionally, the rig maintained an ABS approved Fire Control Plan.¹⁸⁶ As noted by the Marshall Islands *Deepwater Horizon* Marine Casualty Investigation Report, SFP measures were in compliance with regulatory requirements. The report asserts that the use of non-combustible construction and SFP allowed the unit to remain structurally sound long enough for the evacuation of the individuals onboard the unit.¹⁸⁷

Furthermore, in September 2009, the ABS, on behalf of the Marshall Islands and for purposes of maintaining class, conducted an UWILD survey to determine the structural condition and integrity of the *Deepwater Horizon*. This included close-up visual examination and non-

¹⁸⁰ Exhibit 0088, ModuSpec Rig Condition Assessment, Apr. 2010, at 10.

¹⁸¹ Deposition of Alan Schneider, 373:7-374:21.

¹⁸² *Id.* at 417:23-418:6.

¹⁸³ Republic of the Marshall Islands Deepwater Horizon Marine Casualty Investigation Report, at 5.

¹⁸⁴ *Id.* at 10.

¹⁸⁵ Exhibit 1832, *Deepwater Horizon* BP CMID Audit Work List, Item 2.4.8, at 7-8.

¹⁸⁶ Exhibit 671, Transocean *Deepwater Horizon* Operations Manual § 9.70-84 (Dec. 2004).

¹⁸⁷ Republic of the Marshall Islands Deepwater Horizon Marine Casualty Investigation Report, at 58.

destructive testing of major structural components and critical structural areas.¹⁸⁸ The UWILD survey was completed with no deficiencies.¹⁸⁹

With respect to MODU structure and stability, the rig withstood the forces of the explosion and resulting fire, and although subjected to intense heat and dynamic loading, provided a sufficiently stable and protected platform to facilitate the evacuation of 115 individuals. The *Deepwater Horizon* sank approximately 36 hours after the first explosion. The explosions likely caused structural damage that led initially to the listing of the rig to starboard,¹⁹⁰ and ultimately the extreme heat from the fire caused bending, breaking, and warping that would result in structural failure.¹⁹¹

E. Fire and Gas Detection and Alarm Systems

Based on my review of alarm design documents, maintenance documents, and testimony, I conclude the *Deepwater Horizon*'s fire and gas detection and alarm system (the "Alarm System") was designed, installed, and maintained in accordance with relevant rules, engineering principles of hierarchy, and common industry best practices. As explained below, the system was fully functional and worked as designed on April 20, 2010.

1. Components of Alarm System

The *Deepwater Horizon* Alarm System provided early and reliable detection of fire and gas hazards, wherever such events were likely to occur, and alerted personnel and initiated protective actions automatically or manually upon operator's activation.¹⁹² The system processed input signals from field mounted detectors and manual fire alarm stations.¹⁹³ The protection system was designed to initiate certain shutdown actions via the Emergency Shutdown System (ESD).¹⁹⁴

The *Deepwater Horizon* Alarm System included over 500 automatic sensors and manual fire alarm stations located throughout the rig.¹⁹⁵ Specifically, the fire detection system consisted of manual alarm stations and heat, smoke, and flame detectors.¹⁹⁶ The gas detection system consisted of combustible and toxic (H₂S) detectors.¹⁹⁷ [see Figures 1-5]

¹⁸⁸ ABS Drydocking Survey Checklist, ABSDWH004017.

¹⁸⁹ ABS Class Survey Report, TRN-MDL-01134503-04

¹⁹⁰ Deposition of Douglas Martin, 123:12-25.

¹⁹¹ *Id.* at 129:14-130:5; Republic of the Marshall Islands Deepwater Horizon Marine Casualty Investigation Report, at 10.

¹⁹² Exhibit 1111, *Deepwater Horizon* F&G System Manual, at 12 (Feb. 15, 2001); Exhibit 1105, *Deepwater Horizon* Cause and Effect Matrix (Jan. 28, 2001).

¹⁹³ Exhibit 1111, *Deepwater Horizon* F&G System Manual, at 12 (Feb. 15, 2001).

¹⁹⁴ *Id.*

¹⁹⁵ Exhibit 1105, *Deepwater Horizon* Cause and Effect Matrix (Jan. 28, 2001); Exhibit 1118, *Deepwater Horizon* Safety System Design Philosophy (Aug. 23, 2000).

¹⁹⁶ Exhibit 1118, *Deepwater Horizon* Safety System Design Philosophy, Aug. 23, 2000, at 4.

¹⁹⁷ *Id.* at 6.

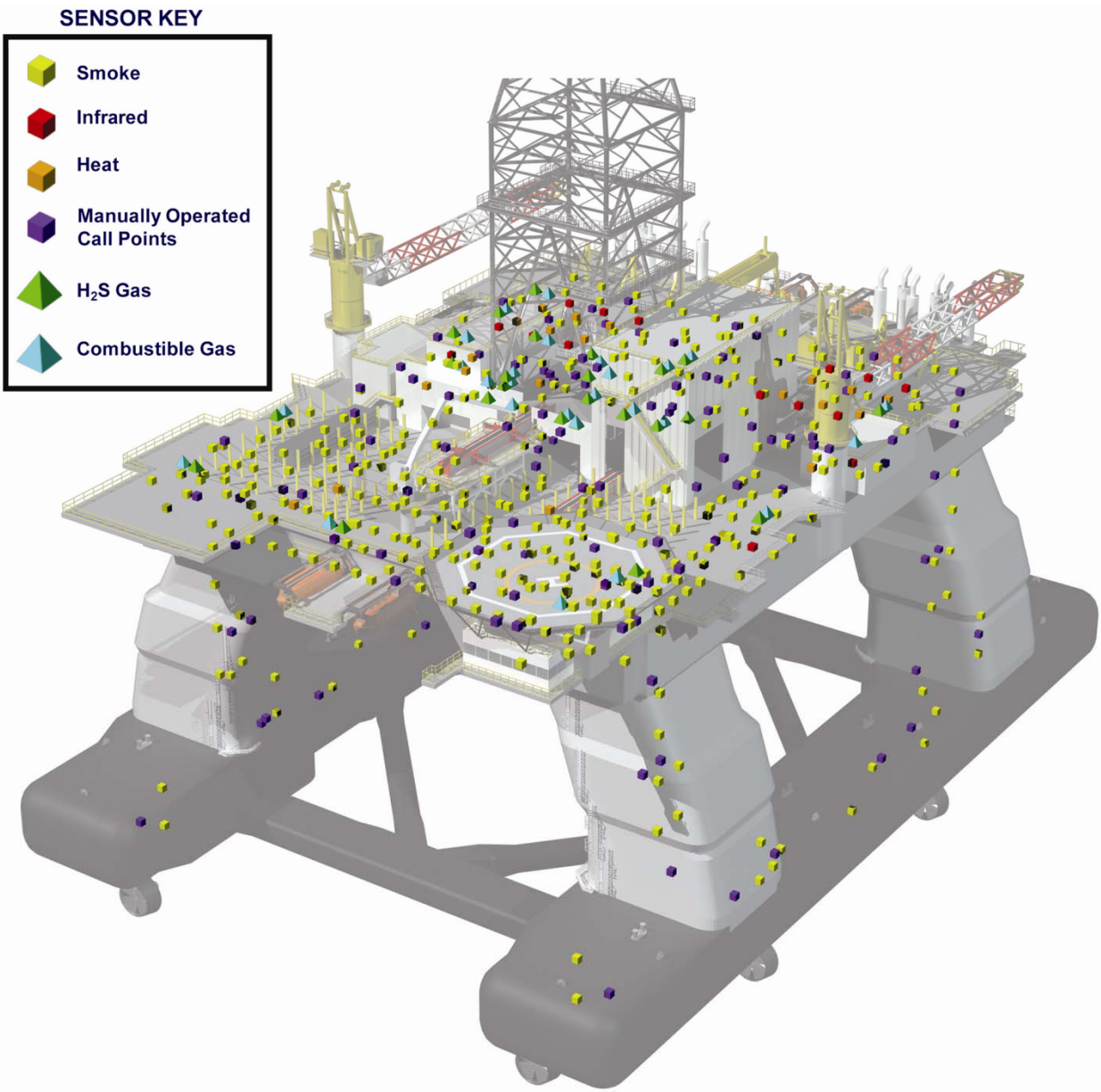


Figure 1

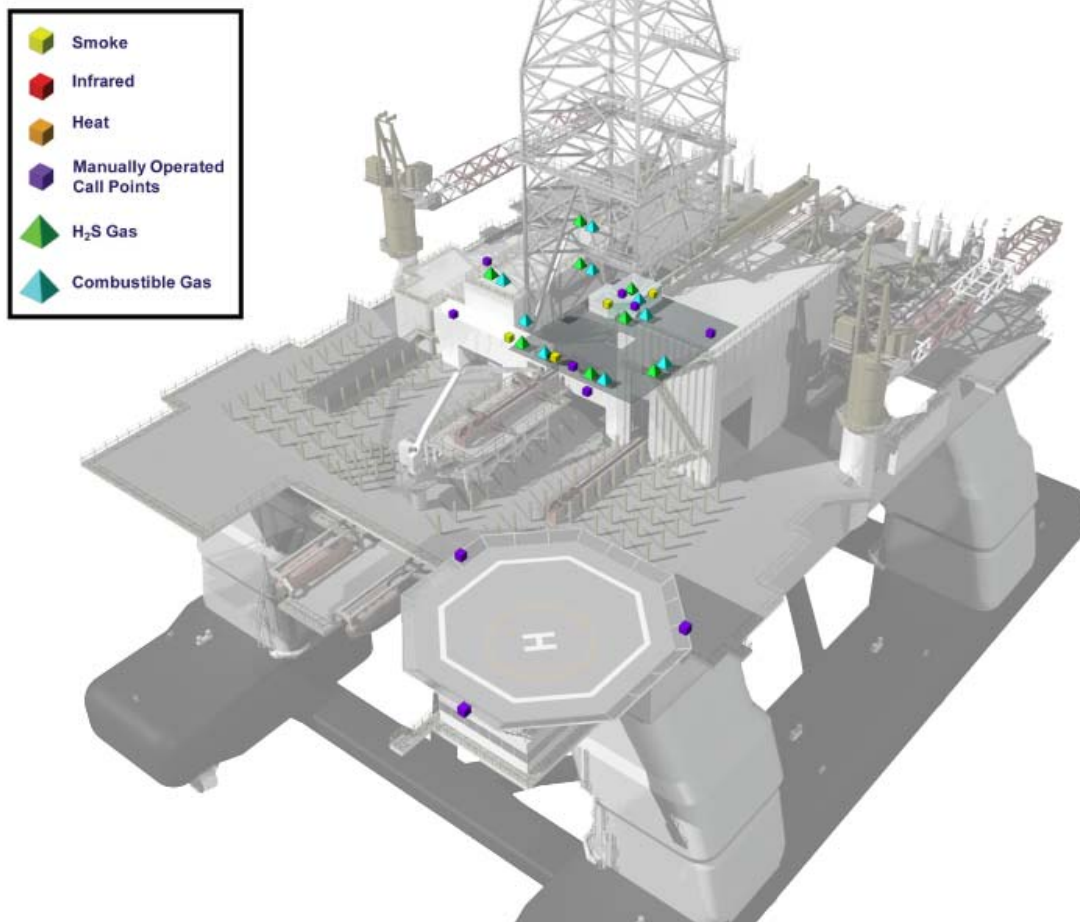


Figure 2

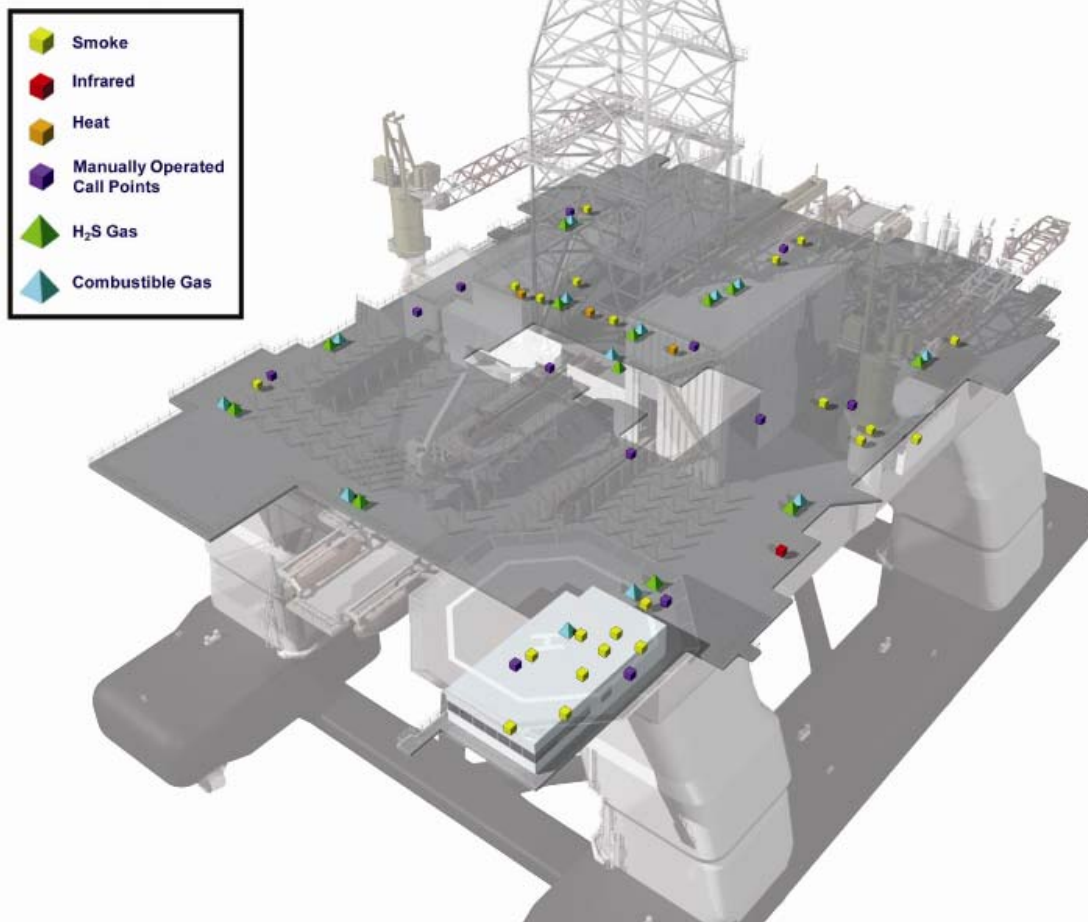


Figure 3

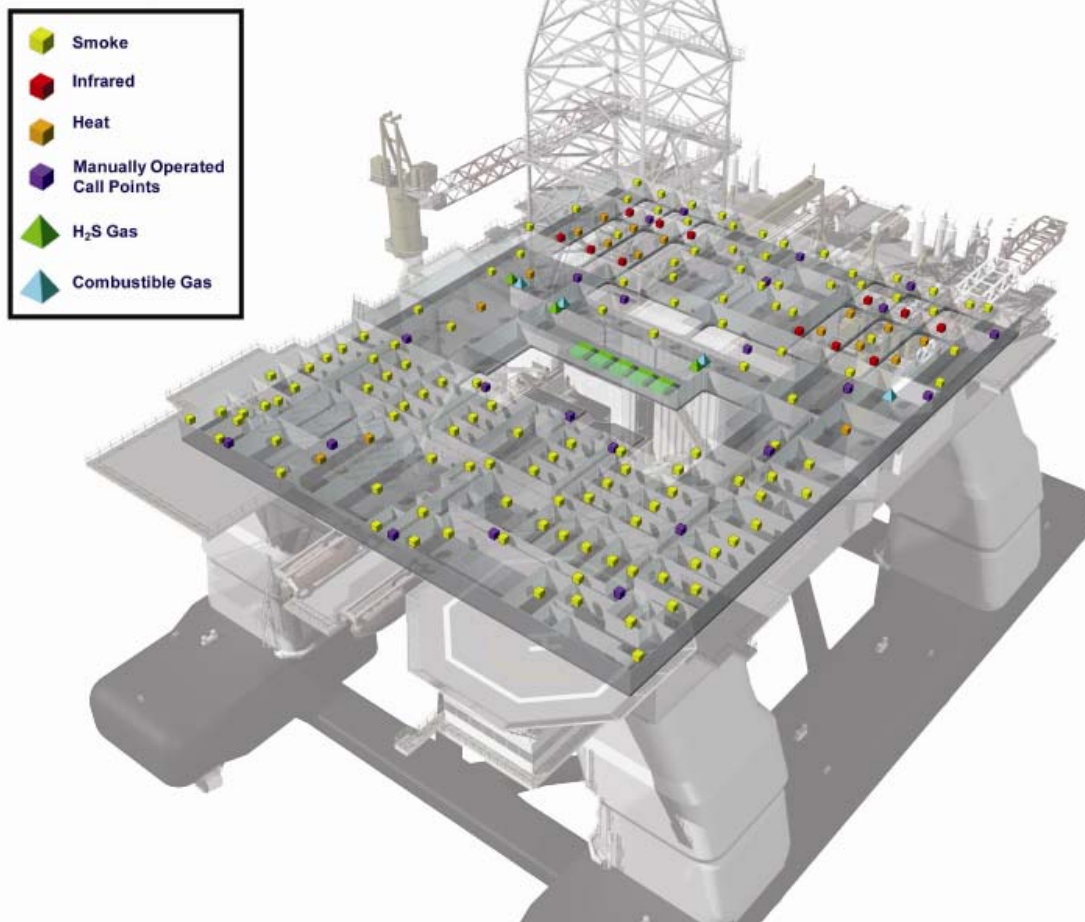


Figure 4

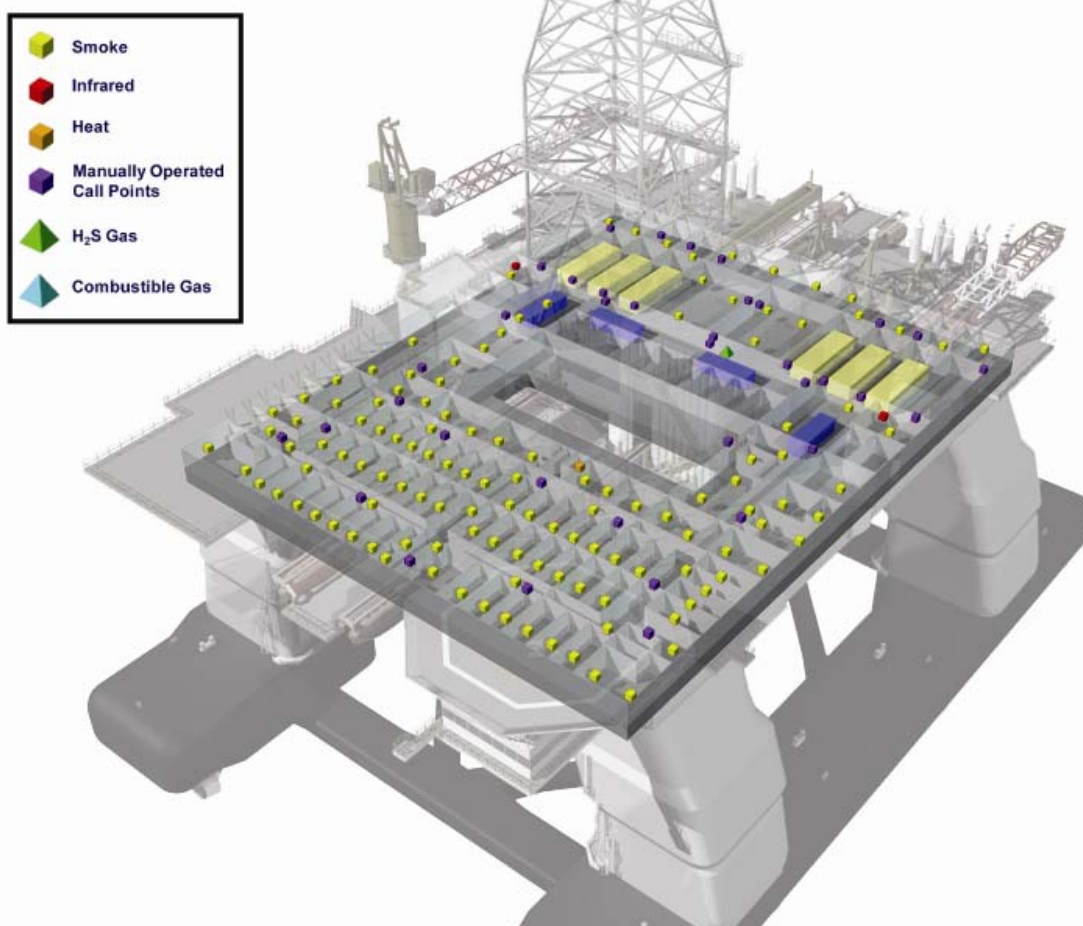


Figure 5

The Alarm System also included a fully redundant communications network and system of electronic controllers designed so that the system would continue to operate upon the potential failure of an individual component.¹⁹⁸

2. Monitoring of Fire and Gas Detection System

The Alarm System could be controlled and monitored at different locations on the *Deepwater Horizon*.¹⁹⁹ [see Figure 6] Control panels were located on the bridge, in the engine control room (ECR) and at the driller's work station (DWS).²⁰⁰

¹⁹⁸ See Exhibit 1109, Overview Kongsberg Maritime Safety System, at 6-7.

¹⁹⁹ See Exhibit 1118, *Deepwater Horizon* Safety System Design Philosophy, Aug. 23, 2000.

²⁰⁰ *Id.*

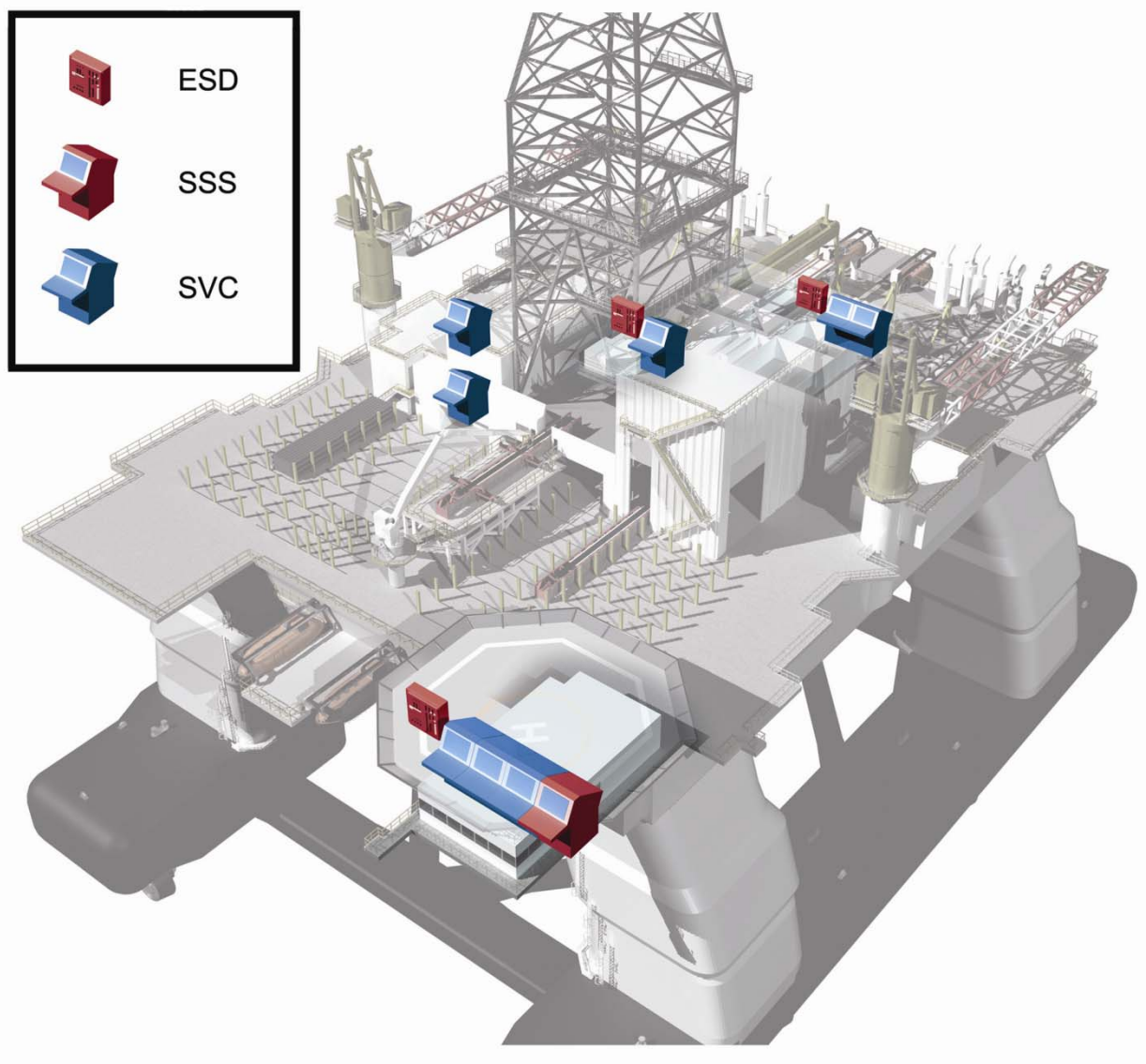


Figure 6

On the bridge, dynamic position operators (DPOs) monitored the Alarm System 24 hours a day.²⁰¹ Other members of the crew also could monitor and operate the system from the ECR and DWS as needed.²⁰² The ECR was designated as a secondary response point in the event the bridge was unavailable.²⁰³ All personnel on the rig were authorized to activate the fire alarm and notify the bridge upon detecting a fire or other hazard.²⁰⁴

²⁰¹ Deposition of David Young, Vol. 1, 324:2-18.

²⁰² See Exhibit 1118, *Deepwater Horizon Safety System Design Philosophy*, Aug. 23, 2000, at 2.

²⁰³ *Id.*; Deposition of Yancy Keplinger, Vol. 1, 47:13-48:3.

²⁰⁴ Exhibit 597, *Deepwater Horizon Emergency Response Manual*, Section 4.1, Mar. 31, 2006.

Each of the control panels provided the real-time status of the Alarm System and was capable of starting the fire pumps.²⁰⁵ When an alarm was triggered on the *Deepwater Horizon*, the Alarm System would activate audible and visual alarms at the bridge, the ECR, and the DWS.²⁰⁶ Notably, these alarms were integrated with the ESD alarm panel, which would also activate at the bridge, ECR, and DWS.²⁰⁷

3. Compliance with Applicable Regulations

The *Deepwater Horizon* Alarm System was designed and installed to comply with applicable regulations.²⁰⁸ This compliance was verified independently by the American Bureau of Shipping (ABS) on behalf of the Flag State and for Class purposes.²⁰⁹ In addition, compliance was maintained and confirmed during Mobile Offshore Drilling Unit Certificate surveys, and through periodic coastal state inspections by the Minerals Management Service (MMS) and the U.S. Coast Guard.²¹⁰

4. Configuration of General Alarm

The *Deepwater Horizon* was equipped with a “General Alarm,” which was intended to alert all persons onboard of an emergency situation, including but not limited to collision, fire, presence of gas, man overboard, or abandon rig.²¹¹ The alert was accomplished through a number of sound producing devices and visual lights which could be heard and/or seen throughout the entire rig.²¹² The General Alarm on the *Deepwater Horizon* was configured for manual activation via manual call points in accordance with U.S. Coast Guard, the 1989 MODU Code, and the SOLAS Convention requirements.²¹³ There are two primary reasons for the manual activation requirement. First, it is well-documented that false alarms can lead to what is known as “alarm fatigue.” Smoke detectors may falsely identify small particles (e.g., soot, dust, cement, steam, water vapor, and sand particles) as smoke and are prone to triggering frequent alarms due to their exposure to the elements. If these false alarms were to sound regularly, as has been the case when marine alarm systems are set in automatic mode, crew responsiveness would likely decline. Crew members experiencing alarm fatigue begin to treat all alarms as nuisance alarms. Second, regular but false general alarms would interrupt crew sleep patterns

²⁰⁵ See Exhibit 1118, *Deepwater Horizon* Safety System Design Philosophy, Aug. 23, 2000; Exhibit 1102, Kongsberg Safety Philosophy: ESD, PSD, and F&G, at 39.

²⁰⁶ See Deposition of Yancy Keplinger, 62:9-63:19; Exhibit 1111, *Deepwater Horizon* F&G System Manual, Feb. 15, 2001, at 18.

²⁰⁷ Exhibit 1118, *Deepwater Horizon* Safety System Design Philosophy Aug. 23, 2000, at 2.

²⁰⁸ *Id.*; Republic of the Marshall Islands *Deepwater Horizon* Marine Casualty Investigation Report Aug. 17, 2011, at 9.

²⁰⁹ See Exhibit 1118, *Deepwater Horizon* Safety System Design Philosophy, Aug. 23, 2000, at 1.

²¹⁰ See Exhibit 3075, List of MODU Safety Certificates for Panama and Marshall Islands; see *also* Regulatory Compliance Section.

²¹¹ See Exhibit 597, *Deepwater Horizon* Emergency Response Manual, Section 4.1, Mar. 31, 2006; Exhibit 1118, *Deepwater Horizon* Safety System Design Philosophy, Aug. 23, 2000.

²¹² See Exhibit 1118, *Deepwater Horizon* Safety System Design Philosophy Aug. 23, 2000, at 11-12.

²¹³ See Exhibit 1119, U.S. Coast Guard Navigation and Vessel Inspection Circular No. 2-89, Section 5.2, Aug. 14, 1989.

and lead to crew fatigue, which would increase accidents and human error. The manual activation system prevents these fatigue problems and ensures the crew properly responds to legitimate alarms.

Even when configured for manual activation, the General Alarm automatically would activate if an alarm went unacknowledged for two minutes.²¹⁴ This arrangement was consistent with the U.S. Coast Guard, 1989 MODU Code, and the SOLAS Convention requirements.²¹⁵

5. Emergency Shutdown System

Because of the risks posed by the rig's loss of power, the ESD system was properly designed to require manual rather than automatic activation to shut down ventilation in the engine generator rooms.²¹⁶ The *Deepwater Horizon*'s fire and gas detection system was designed to initiate shutdown actions via the ESD System.²¹⁷ Examples of shutdown actions are the closure of fire dampers, the stopping or starting of ventilation fans, and the closure of fire doors.²¹⁸ Shutdown actions were able to be initiated automatically, or manually from the Central Control Room (CCR), Driller's Workstation (DWS), or Engine Control Room (ECR).²¹⁹ Because the *Deepwater Horizon* was a dynamically positioned (DP) vessel, manual activation of the ESD was required to shut down ventilation to the rig's engine generator rooms.²²⁰ A DP vessel requires power for its station keeping system and thrusters to maintain its position.²²¹ Without power, the rig would lose its ability to stay in position and thus would drift off location. A powerless, drifting rig is a serious hazard to personnel onboard, as well as to those on nearby vessels. It can also have significant environmental consequences if the drifting rig pulls against the BOP through the riser (e.g., breaking the riser, or topping or damaging the BOP).

6. Maintenance and Condition of Alarm System

The *Deepwater Horizon*'s Alarm System was fully functional and properly maintained as of April 20, 2010.²²² Beginning with its initial installation and commissioning, the system was regularly tested and rigorously maintained.²²³ The condition and maintenance level of the Alarm

²¹⁴ See Exhibit 1118, *Deepwater Horizon* Safety System Design Philosophy, Aug. 23, 2000, at 11-12; Exhibit 1105, *Deepwater Horizon* Cause and Effect Matrix, Jan. 28, 2001, at KMI-MDL-021556; Exhibit 1102, Kongsberg Safety Philosophy: ESD, PSD, and F&G, at Section 3.4.6; Deposition of Yancy Keplinger, 58:3-59:4.

²¹⁵ See Exhibit 1119, U.S. Coast Guard Navigation and Vessel Inspection Circular No. 2-89, at Section 5.2 (Aug. 14, 1989).

²¹⁶ See Exhibit 1118, *Deepwater Horizon* Safety System Design Philosophy Aug. 23, 2000, at 13.

²¹⁷ See Exhibit 1118, *Deepwater Horizon* Safety System Design Philosophy (Aug. 23, 2000).

²¹⁸ See Exhibit 1111, *Deepwater Horizon* F&G System Manual, at 12.

²¹⁹ Exhibit 1118, *Deepwater Horizon* Safety System Design Philosophy, at 2.

²²⁰ See *id.* at 13; Republic of the Marshall Islands *Deepwater Horizon* Marine Casualty Investigation Report, at 10.

²²¹ See IMCA, Guidelines for the Design and Operation of Dynamically Positioned Vessels, Dec. 2007, at Section 1.6.4, available at <http://www.imca-int.com/divisions/marine/publications/103.html>.

²²² See Deposition of Angel Rodriguez, Vol. 1, 188:15-189:20; Exhibit 88, ModuSpec Rig Condition Assessment, at 93-94.

²²³ See Republic of the Marshall Islands *Deepwater Horizon* Marine Casualty Investigation Report, Aug. 17, 2011, at 33; see also Exhibit 4140, RMS for Gas Detection Maintenance, Aug. 2009-Apr. 2010; Exhibit 4145, Gas Detector Work Reports, Apr. 20, 2010; Exhibit 4146, RMS Equipment History (Jan. 2010 – May 2010).

System was reviewed and found acceptable by BP's own marine assurance auditor, Angel Rodriguez, as well as ModuSpec auditors only days prior to April 20, 2010. No sensors were inhibited as of Angel Rodriguez's March 29, 2010 visit to the rig or the ModuSpec review during April 1-12, 2010.²²⁴ Even if a few sensors were inhibited between April 12 and April 20, 2010, this would not have degraded or jeopardized the reliability of the system as a whole due to the sheer volume and redundancy of sensors.²²⁵

Like the fire and gas detection system, the ESD system was tested, maintained, and fully functional as of April 20, 2010.²²⁶ The condition and maintenance level of the ESD system was reviewed and found acceptable by BP's own marine assurance auditor.²²⁷ ESD levels were clearly articulated in the design, and the interfaces with the Safety System Cause and Effect Matrix were understood, tested, and maintained.

7. Alarm Procedures Followed on April 20, 2010

The *Deepwater Horizon* Alarm System worked as designed on the night of April 20, 2010. The detection system detected the presence of hydrocarbon gases in various areas around the rig and alerted the bridge team and personnel in the engine control room.²²⁸ The bridge followed the prescribed operating procedure for responding to an alarm and began calling areas where gas was detected, timely sounded the general alarm, and made public address announcements ordering the drill crew to emergency muster stations.²²⁹ Unfortunately, the evidence suggests the *Deepwater Horizon* experienced a catastrophic blowout that overwhelmed the various preventative systems in place.

8. Fire Suppression System

The *Deepwater Horizon* was equipped with a fixed CO₂ fire suppression system. The CO₂ fire suppression system protected, among other areas, the control rooms, engine rooms, and electrical equipment rooms; it employed CO₂ gas as the active fire extinguishing agent (deployed as a total flooding system).²³⁰ Additionally, the generators and thruster motors, being totally-enclosed, water-cooled designs, included CO₂ machine enclosure flooding systems.²³¹ These fixed CO₂ fire suppression systems for total flooding were connected to and monitored by the fire and gas system to assure that the CO₂ systems were as safe and effective as possible.²³²

Additionally, the *Deepwater Horizon* was equipped with an automatic sprinkler system in the accommodations block and a separate, manually activated structural fire protection deluge

²²⁴ Deposition of Angel Rodriguez, Vol. 1, 186:9-189:23; Exhibit 88, ModuSpec Rig Condition Assessment, at 91, 93.

²²⁵ See Deposition of Yancy Keplinger, Vol. 1, 124:10-126:15.

²²⁶ See Deposition of Angel Rodriguez, Vol. 1, 186:9-188:2.

²²⁷ See *id.*

²²⁸ See Deposition of Yancy Keplinger, Vol. 1, 80:5-81:19 (recalling there were alarms "all over the place . . . main deck, drill floor, shaker room, sack room, and other places.").

²²⁹ See "Sequence of Events" from "Emergency Response and Evacuation" Section.

²³⁰ See Exhibit 1118, *Deepwater Horizon* Safety System Design Philosophy, at 8 (Aug. 23, 2000).

²³¹ See *id.*

²³² See *id.*

system to protect the drill floor support structure within the moon pool area.²³³ The sprinkler system and deluge system included pressure or flow monitoring switches connected to the fire and gas system to indicate any time either of these systems had been activated and to automatically sound alarms and shutdown ventilation in the affected area if the sprinkler system is activated.²³⁴

These fire suppression systems on the *Deepwater Horizon* were fully functional and properly maintained as of April 2010.²³⁵ As of the last reported date of inspection, the system operated as designed.²³⁶

9. The BOP-Driller's Control Panel

Even in the "bypass" mode, the driller's control panel constantly was purged and pressurized with air.²³⁷ Also, because the panel is located in the Driller's Workstation (DWS), which itself was a purged system, any isolated purging of the BOP panel was redundant. Accordingly, the panel was deemed safe to operate and had no effect on the driller's ability to control or operate the BOP.

The DWS [*see* Figure 7, "Driller's Workstation"] was located within the perimeter of the derrick, a "Zone 2" hazardous area. The station was equipped with a purge and pressurized system that complied with ABS MODU rules and NFPA 496.²³⁸ The purge system was designed so that the contents of these spaces were "safe" within the Zone 2 area. The station had two fully redundant pressurization fans (each providing 100% redundancy), with the second fan starting automatically upon failure of the lead fan. Ventilation supply fans for these spaces were located outside of a hazardous area.²³⁹ The BOP control panel, which itself is a purged system, was located within the purged DWS, creating a purge redundancy.²⁴⁰

²³³ *See id.*

²³⁴ *See id.* at 8-9.

²³⁵ Exhibit 88, ModuSpec Rig Condition Assessment, at 91-92.

²³⁶ *Id.* at 91.

²³⁷ *See* Deposition of Michael Williams, 213:19-214:19.

²³⁸ Exhibit 1118, *Deepwater Horizon* Safety System Design Philosophy, Aug. 23, 2000, at 16.

²³⁹ *Id.*

²⁴⁰ *See* Deposition of Michael Williams, Vol. 1, 212:20-213:12; Deposition of Mark Hay, Vol. 1, 157:1-2 ("And the driller's shack was purged also, so it was a redundancy.").



Figure 7

The BOP control panel purge system was designed to maintain positive pressure relative to the pressure outside the panel. This positive pressure ensured that only air containing no combustible gases entered the panel. If the control panel lost purge, the panel as originally designed would de-energize. However, at the time of the incident, the purge/pressurization system for the driller's BOP control panel operated in "bypass" mode so that it would not de-energize and lose power at a critical time. This bypass was necessary because a component failure in the purge system prevented the panel from re-energizing after a loss of purge.²⁴¹

F. Engines

Based on my review of deposition testimony, inspection reports, maintenance reports, and technical documents, I conclude the engines were regularly inspected, properly maintained, and fully functional. The engines were equipped with multiple redundant overspeed protection devices that were appropriate, sufficient, regularly inspected, properly maintained and fully functional. The engines were also equipped with charge air cut off devices (often referred to as a

²⁴¹ Deposition of Michael Williams, Vol. 1, 213:24-214:2.

“Rig Saver”²⁴²) to prevent the engine ingestion and ignition of combustible gases. Notably, the installation of Rig Savers on the engines exceeded the minimum regulatory requirements. The installed Rig Savers were appropriate, sufficient, regularly inspected, properly maintained, and fully functional. There is no evidence that the engines and the substantial and redundant protection devices on the engines did not operate as designed. The vast cloud of combustible gas that enveloped the vessel resulted in numerous potential ignition sources in the vicinity of the engines and all across the rig. Accordingly, I do not believe anyone can definitively determine the ignition source of the initial explosions on the *Deepwater Horizon*, nor am I able to form an opinion or conclusion as to whether the engines were the source of ignition. An ignition source and blast analysis is beyond the scope of this report.

1. Engines Overview

The *Deepwater Horizon*’s main and emergency power arrangements were in compliance with applicable statutory requirements and Class rules²⁴³ and set up to operate in a manner consistent with Dynamically Positioned (DP) design philosophy.²⁴⁴

The *Deepwater Horizon* was equipped with six Wartsila Vasa 32 engines connected to six ABB AMG 0900 AC generators. Each engine was 18 cylinders and was equipped with two ABB VTR 354 turbochargers. These engine/generator (E/G) sets provided the main and emergency power for the rig. These E/G sets were certified at initial construction and, through subsequent inspections by ABS, were found to be in compliance with all applicable rules, regulations, and specifications.²⁴⁵ The *Deepwater Horizon*’s Simrad Vessel Control System (SVC) was provided, commissioned, and tested by Kongberg-Simrad. The main engines were controlled by the SVC. This system monitored, logged, and displayed all engine and generator alarms at panels located in the Bridge, the Engine Control Room (ECR), and the Drillers Workstation (DWS). In the event of an engine failure, the SVC would alarm and automatically bring the designated standby engine on line to replace the failing engine to ensure the vessel would have uninterrupted power to maintain position.²⁴⁶

Maintenance on main engines was performed in accordance with Transocean’s RMS II schedules²⁴⁷ and manufacturer recommendations.²⁴⁸ In February 2010, ABS completed engine inspections on all main engines as reflected by the Class survey status report,²⁴⁹ and William

²⁴² “Rig Saver” is a brand name of the Wood Group which manufacture and markets the particular charge air cut off valve used on the engines of the *Deepwater Horizon*. See Subpoena Response of Wartsila North America to BP MDL Plaintiffs’ Steering Committee, PSC-MDL2179-014037, 1047.

²⁴³ See Exhibit 3074, ABS Survey Manager Survey Status Report (For Owner) *Deepwater Horizon*, at 9; Deposition of William Haynie, 229:2-25, 254:3-24.

²⁴⁴ See Deposition of William Haynie, 71:21-72:4; Exhibit 1118, Safety System Design Philosophy RBS8D Project “*Deepwater Horizon*.”

²⁴⁵ See Exhibit 3075, *Deepwater Horizon* Licensing Information, TRN-MDL-00171611; Deposition of William Haynie, 229:2-25, 254:3-24.

²⁴⁶ See Exhibit 1118, *Deepwater Horizon* Safety System Design Philosophy RBS8D Project.

²⁴⁷ See RMS II Equipment History report, System: ELPG, Component: ENG, Mar. 16, 2010, TRN-INV-00085711.

²⁴⁸ See Deposition of Paul Meinhart, III, 51:19-52:4, 65:16-66:5, 291:8-14.

²⁴⁹ Exhibit 3074, ABS Survey Manager Survey Status Report (For Owner) *Deepwater Horizon*, at 9.

Haynie of ABS testified that the engines and equipment met ABS requirements in March 2009.²⁵⁰ No deficiencies were noted concerning the engines. William Haynie also confirmed that the preventative maintenance system in place for the engines and equipment was being carried out correctly.²⁵¹ Transocean personnel performed due diligence in the maintenance of all the engines and the associated protection devices. The report of RMS II – Equipment History report for March 2009 through March 2010 reflects the systematic implementation and execution of the maintenance schedule for the engines and the related equipment.²⁵² Testimony from the *Deepwater Horizon* engineering and maintenance personnel clearly confirms that regular preventative maintenance was performed on the engines and related equipment.²⁵³ Further, they state that they were not aware of any conditions on the engines or the associated protective equipment that was in need of repair or might have caused the explosions.²⁵⁴ It was also stated that the engines on the *Deepwater Horizon* did not present any abnormalities on April 20, 2010.²⁵⁵

2. Shutdown Devices on Engines

(a) Overspeed Protection Devices

The *Deepwater Horizon* was equipped with multiple redundant overspeed devices on the main engines. Each engine was equipped with: (a) an electro-pneumatic overspeed shutdown device; [see Figure 8]

Electro-pneumatic overspeed trip device

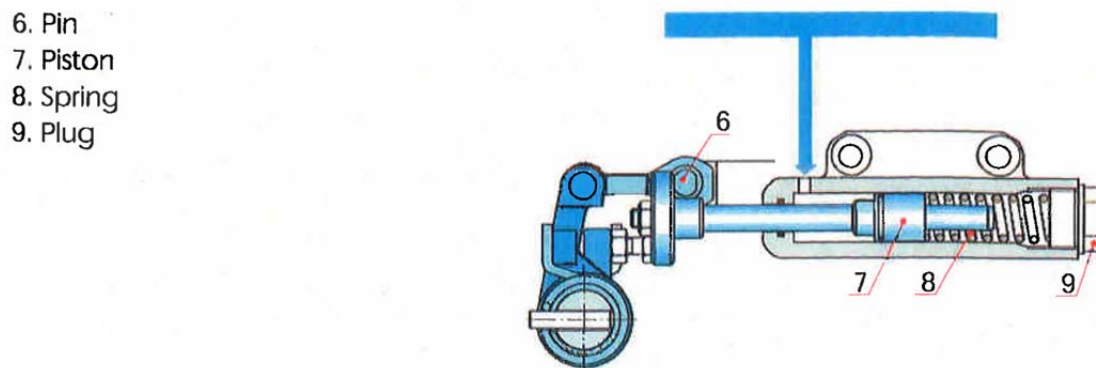


Figure 8

²⁵⁰ See Deposition of William Haynie, 229:2-25.

²⁵¹ *Id.* at 276:3-277:6.

²⁵² See RMS II Equipment History report, System: ELPG, Component: ENG, TRN-INV-00085711.

²⁵³ See Deposition of James Mansfield, 78:8-21; Deposition of Paul J Meinhart, III, 50:20-52:4, 65:16-66:5, 291:8-14, 295:13-19; Deposition of Douglas Brown, 272:19-273:3, 282:5-13.

²⁵⁴ Deposition of Douglas Brown, 272:19-273:3; Deposition of Paul J. Meinhart, III, 50:20-51:18.

²⁵⁵ Deposition of Douglas Brown, 281:4-282:13.

(b) a mechanical overspeed device, [see Figure 9]

The engine cannot be restarted before the lever (6) has been manually depressed so far that the latch (3) engages the piston of the spindle (4).
A switch (8), indicating released overspeed trip device, may be provided.

Mechanical overspeed trip device

1. Spring
2. Weight
3. Latch
4. Spindle
5. Working spring
6. Lever
7. Lever
8. Micro switch
9. Plug
10. Locking screw
11. Screw
12. Drain hole
13. Screw
14. Adjusting screw
15. Slotted washer

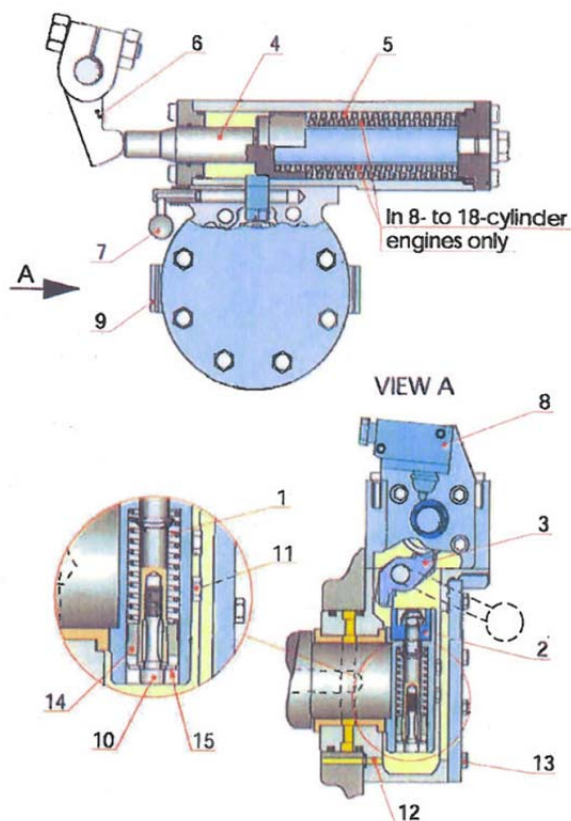


Figure 9

and (c) a Woodward PG-EG Governor/Actuator; and (d) a Diesel Engine Speed Measuring System (DESPMES) unit. These devices would sense any overspeed condition and either shut off fuel to the engines fuel rack or shut off intake air to the turbo chargers utilizing the Rig Saver.²⁵⁶ In addition, the engines were equipped with a Generator Frequency safety system

²⁵⁶ Deposition of James Mansfield, 26:13-22, 31:15-35:6.

which monitors the frequency being produced by the engine.²⁵⁷ If the frequency of an engine exceeded certain parameters, a signal would be sent to trip a breaker disconnecting the engine from the electrical system.

The overspeed devices on the main engines met all applicable regulatory rules and statutes. The overspeed devices had been approved and tested by ABS at initial construction²⁵⁸ and at subsequent annual surveys by both ABS²⁵⁹ and the U.S. Coast Guard.²⁶⁰ Crew members of the *Deepwater Horizon* testified that the overspeed systems were in good order and had been properly maintained.²⁶¹ These overspeed devices were last tested by ModuSpec, an independent third party during the course of a Transocean initiated survey, which occurred April 1-12, 2010. All devices functioned as designed.²⁶²

(b) Charge Air Cut Off Devices (Rig Savers)

The *Deepwater Horizon* engines were also equipped with Rig Saver devices.²⁶³ [see Figure 10] A Rig Saver device can be described as a spring-loaded guillotine valve, which can be triggered manually or pneumatically and is mounted into a diesel engine air intake system between the turbochargers and the charge air cooler. The Rig Savers are designed to shut off charge air to the engines in the event of combustible gas entering the engine rooms or an overspeed condition received from the DESPEMES unit.²⁶⁴

²⁵⁷ Subpoena Response of Wartsila North America to BP MDL Plaintiffs' Steering Committee, PSC-MDL2179-014037, 4048.

²⁵⁸ Exhibit 3075, *Deepwater Horizon* Licensing Information, TRN-MDL-00171605, 1611.

²⁵⁹ Exhibit 3074, ABS Survey Manager Survey Status Report (For Owner) *Deepwater Horizon*, 9; ABS Class Survey Report MC1794166, TRN-MDL-01100188 (Feb. 23, 2010).

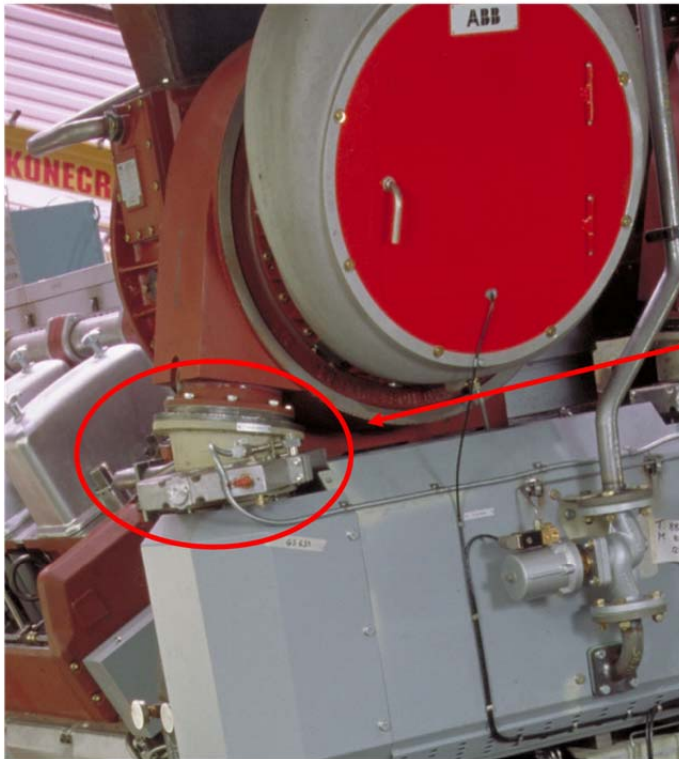
²⁶⁰ U.S. Coast Guard Certificate of Compliance, Jul. 27, 2009, TRN-MDL-01101583.

²⁶¹ See Deposition of James Mansfield, 121:10-16.

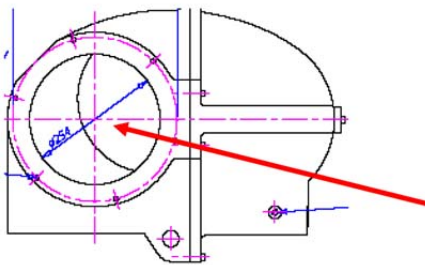
²⁶² Exhibit 88, ModuSpec Rig Condition Assessment *Deepwater Horizon*, at 67.

²⁶³ See Subpoena Response of Wartsila North America to BP MDL Plaintiffs' Steering Committee, PSC-MDL2179-014037, 4047-4048; Deposition of James Mansfield, 26:13-22.

²⁶⁴ Subpoena Response of Wartsila North America to BP MDL Plaintiffs' Steering Committee, PSC-MDL2179-014037, 4047-4048.



Position of charge air cut off device



Spring loaded disc that closes the air flow out from the turbocharger into the charge air cooler in case of engine over speed.

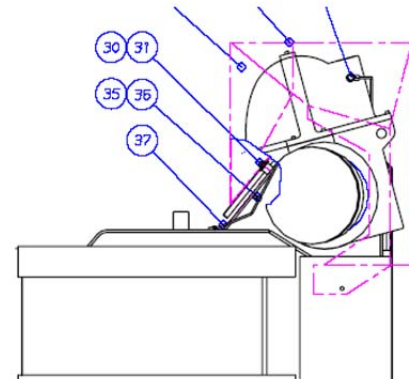


Figure 10

The use of Rig Savers as protection devices on the engines met or exceeded all applicable regulatory rules and statutes.²⁶⁵ The Rig Saver devices had been tested and approved by ABS at initial certification of the *Deepwater Horizon*²⁶⁶ and at subsequent required surveys by both ABS²⁶⁷ and the U.S. COAST GUARD.²⁶⁸ Crew members of the *Deepwater Horizon* testified the Rig Saver devices were in good order and had been properly maintained.²⁶⁹ These Rig Saver

²⁶⁵ ABS Rules for Building and Classing Steel Vessels, Jan.1, 2012, Part 4, Chapter 2, Section 1, Subsection 7.5.

²⁶⁶ Exhibit 3075, *Deepwater Horizon* Licensing Information, TRN-MDL-00171605, 1611-1612.

²⁶⁷ Exhibit 3074, ABS Survey Manager Survey Status Report (For Owner) *Deepwater Horizon*, at 9; ABS Class Survey Report MC1794166, Feb. 23, 2010, TRN-MDL-01100188.

²⁶⁸ U.S. Coast Guard Certificate of Compliance, Jul. 27, 2009, TRN-MDL-01101583.

²⁶⁹ See Deposition of James Mansfield, 35:24-36:8, 121:10-16; Deposition of Paul Meinhart, 65:16-66:5.

devices were also inspected and tested during the April 2010 survey by ModuSpec, and no deficiencies in the performance of these devices were noted.²⁷⁰

3. Engine Air Supply and Dynamically Positioned (DP) Design Philosophy

It is important to note the relationship between the DP design philosophy and the air supply to the engines of the *Deepwater Horizon*. For obvious and compelling safety, environmental, and operational reasons, it is imperative that a DP vessel maintain position regardless of any single point failure in the generation of electrical power to the thrusters. Because of the serious risks that would result from a loss of power, the air supply dampers into the engine rooms of the *Deepwater Horizon* were specifically designed to not close automatically. Consistent with the application of DP design philosophy, to close these engine room air supply dampers required the manual activation of the dampers by the *Deepwater Horizon* personnel.²⁷¹

The engines on the *Deepwater Horizon* were set up to draw their combustion air from inside the engine rooms.²⁷² The engine rooms are not classified or designated as a Hazardous Zone. As such, the engine rooms and the electrical equipment located therein were not designed to be exposed to combustible gases. The electrical devices installed in the engine rooms were not required by any regulation or standard to be made explosion proof, intrinsically safe or purged. As a result, each of the engine room spaces would present numerous potential ignition sources upon the invasive introduction of a combustible atmosphere.

The extensive cloud of combustible gas that quickly enveloped the *Deepwater Horizon* would have not only created numerous potential ignition risks in the vicinity of engine rooms and across the entire vessel. The sources for potential ignition were so numerous and widespread, I do not believe anyone can reach a definitive conclusion as to the ignition source of the initial explosions. Therefore, I am unable to form an opinion or conclusion as to whether one or more of the engines were the source of ignition for the initial explosions experienced by the *Deepwater Horizon* on April 20, 2010.

²⁷⁰ See Exhibit 88, ModuSpec Rig Condition Assessment *Deepwater Horizon*, at 67.

²⁷¹ Exhibit 1118, *Deepwater Horizon* Safety System Design Philosophy.

²⁷² See Subpoena Response of Wartsila North America to BP MDL Plaintiffs' Steering Committee.

III. RULE 26 REQUIREMENTS

The following is a list of the items required by the Federal Rules of Civil Procedure:

1. This report contains my opinions, conclusions, and the reasons therefore;
2. A statement of my qualifications is contained in Appendix 1;
3. My compensation for the preparation of this report is included in Appendix 2;
4. The data or other information I considered in forming my opinions is listed in the Documents Reviewed and References sections of Appendix 3; and
5. In the last four years I have not been a witness in any case.

I understand that fact discovery in this case is ongoing. In light of that, or should relevant information otherwise become available to me, I reserve the right to revise or supplement these conclusions.

Sincerely,

A handwritten signature in blue ink, appearing to read "Jack L. Wolfe". The signature is stylized with a large "J" and "W".

Jack L. Wolfe

Jeff L. Wolfe
513 Country Club Dr.
Picayune, Mississippi 39466
C:(504) 908-6135
jwolfe2008@bellsouth.net

United States Coast Guard Experience

- Retired 2008 as Lieutenant Commander.
 - Chief, Offshore Compliance, Eighth USCG District (June 2004 - June 2008)
 - Chief, Offshore Activities, MSO New Orleans (May 2000 - June 2004)
 - Senior Marine Inspector, MSO New Orleans (September 1997 - May 2000)
 - USCG Facility Design and Construction Center / Commanding Officer, Maintenance Assessment Team (February 1993 - September 1997)
 - Facilities Engineer / USCG Reserve Unit Panama City (May 1990 - February 1993)
 - USCG Base Galveston, Public Works Officer (May 1987 - May 1990)
 - USCG Group Galveston, Deployable Repair Team (June 1984 - May 1987)
 - USCG Cutter *Acushnet*, various shipboard engineering duties (June 1981 - June 1984)
- 14 years of regulatory compliance experience specializing in offshore oil and gas E&P activities.
- As Chief, Offshore Compliance Eighth Coast Guard District, administered and executed the USCG regulatory compliance program for all OCS activities in the U.S. GOM.
- Provided regulatory and policy guidance to other federal agencies, classification societies, lease operators, drilling contractors, and service companies.
- Coordinated inspection and compliance enforcement activities for 15 offshore inspectors located in 5 field offices.
- As Chief, Offshore Activities and Senior Marine Inspector MSO New Orleans, conducted hundreds of safety and security regulatory compliance exams on all types of vessels and offshore facilities operating in the GOM and internationally including MODUs, production facilities (fixed and floating), OSVs, lift boats, passenger vessels, construction vessels, cargo vessels, and tankers.
- Successfully completed numerous Coast Guard and industry technical training programs focused on regulatory compliance.
- Facilitated the regulatory road map with the USCG and to some degree the former MMS to accept a production unit type for which there were no existing regulations in the U.S. regulatory regimes.
- Served as USCG liaison to the MMS GOM Region.
- Prepared and delivered USCG presentations at numerous national and international offshore industry forums.
- Developed training program materials and provided onsite training at each MMS district office to facilitate the transfer of the fixed platform inspection program to MMS.
- Drafted policy letters, policy guidance documents, and policy impact statements.
- Annually taught offshore regulatory compliance program and offshore inspection techniques to new USCG offshore marine inspectors.
- Participated as the USCG representative to multiple working groups convened by OOC, IADC, OMSA, and API to address emerging issues which included a key role in the MODU Mooring JIP post Katrina/Rita.

Consulting Experience

- Regulatory Advisor, BW Offshore AS, Oslo, Norway (June 2008 - current)
- Guided BW Offshore's design, engineering, project, and operations teams through the process of delivering the first ever FPSO into the U.S. Gulf of Mexico (GOM) and the company's first U.S. OCS operation.
- Represented BW Offshore in many difficult meetings with USCG Senior Management ensuring a workable regulatory framework for the introduction of the first ever FPSO operation in U.S. waters.

Rates for Seaworthiness Expert
Jeff L. Wolfe
Offshore Solutions, LLC
513 Country Club Dr.
Picayune, Mississippi 39466
(Effective for 1-Year from August 10, 2011)

Rates in connection with Sutherland Asbill & Brennan, LLP's representation of Transocean Offshore Deepwater Drilling, Inc. in litigation and investigations of events surrounding the Macondo Well blowout on April 20, 2010.

A) Professional Fees:

- \$350.00 per hour (Jeff L. Wolfe)
- \$175.00-\$250.00 per hour (Research contractors)¹

B) Reimbursable Expenses:

- Cost of travel related expenses by air/taxi/train/car rental.
- Cost of hotel lodging and meals.
- Cost of office related expenses, such as copying expenses, mail, messenger service and telephone communication.

C) Domestic Air Travel: Coach / Economy Class

¹ As deemed necessary by Jeff L. Wolfe.

Documents, Data and Information Considered

Exhibit No.	Description	Bates Number
0022	Issue 4 2008 BP Magazine Article	
0023	Issue 2 2009 BP Magazine Article	
0024	Managing Risk in a Dangerous World - James Wetherbee - Safety & Operational Risk, BP	
0025	National Commission on the BP Deepwater Horizon Oil Spill and Offshore Drilling - Chapter 4	
0026	E-Mail - From: James Wetherbee Sent: Fri May 14 16:23:56 2010	BP-HZN-BLY00092174 - BP-HZN-BLY00092183
0027	James D. Wetherbee Resume	BP-HZN-BLY00088976 - BP-HZN-BLY00088980
0028	Steve Robinson - James Wetherbee Post Meeting Notes - July 21, 2010	BP-HZN-BLY00089917 - BP-HZN-BLY00089920
0029	Mark Bly - James Wetherbee Post Meeting Notes - July 22, 2010	BP-HZN-BLY00086472 - BP-HZN-BLY00086474
0030	Chapter 3 - Description of Accident	BP-HZN-BLY00093067 - BP-HZN-BLY00093096
0031	Well Site Leader Interview Questions	BP-HZN-BLY00092163 - BP-HZN-BLY00092164
0032	Report Outline	BP-HZN-BLY00087836 - BP-HZN-BLY00087841
0033	Handwritten Notes - Interviewer: Jim Wetherbee	BP-HZN-BLY00061457 - BP-HZN-BLY00061458 BP-HZN-BLY00061799
0034	Document Produced Natively	BP-HZN-BLY00081965
0035	Chapter 3 - Description of Accident	BP-HZN-BLY00093067 - BP-HZN-BLY00093096
0036	Chapter 3 - Description of Accident - Data Receipt	BP-HZN-BLY00086472 - BP-HZN-BLY00086476
0037	Document Produced Natively	BP-HZN-BLY00061468
0038	Document Chart	BP-HZN-BLY00086325 - BP-HZN-BLY00086335
0039	Independent Safety Barriers Breached - "What Went Wrong" (diagram)	BP-HZN-BLY00090101
0040	Mark Bly - James Wetherbee Post Meeting Notes - July 22, 2010	BP-HZN-BLY00086472 - BP-HZN-BLY00086476
0041	Document Produced Natively	BP-HZN-BLY00066684
0042	E-Mail - From: James Wetherbee Sent: Thu Aug 12 14:03:18 2010	BP-HZN-BLY00089564 - BP-HZN-BLY00089575
0043	E-Mail - From: James Wetherbee Sent: Wed Apr 28 11:42:01 2010	BP-HZN-BLY00091020
0044	Jim Wetherbee's Handwritten Notes	BP-HZN-BLY00061358- BP-HZN-BLY00061366

Documents, Data and Information Considered

Exhibit No.	Description	Bates Number
0045	Handwritten Notes - dated 28 Apr 10	BP-HZN-BLY00061496- BP-HZN-BLY00061512
0046	Handwritten Notes - dated 29 Apr 10	BP-HZN-BLY00061571- BP-HZN-BLY00061578
0047	Handwritten Notes - dated 27 Apr 10	BP-HZN-BLY00061617- BP-HZN-BLY00061628
0048	Handwritten Notes - Interviewer: Jim Wetherbee - dated 7 Mar 10	BP-HZN-BLY00061254 - BP-HZN-BLY00061256
0049	Steve's Interview with Don Vidrene	BP-HZN-MBI00139573 - BP-HZN-MBI00139576
0067	Notice of Video Deposition Pursuant to FED. R. CIV. P 30(b)(6) - To: MODUSPEC USA, INC. Through Peter Sierdsma	
0068	Responses and Objections of MODUSPEC USA INC. to Plaintiffs Notice of Deposition Pursuant to Rule 30(b)(6) and the subpoena addressed to Peter Sierdsma	
0069	Responses and Objections of MODUSPEC USA INC. to Plaintiffs Document Request and Subpoena	
0070	Letter from Mr. Trina Allison - Addressed to Ms. Charity Schneider dated April 24th, 1998	MODUSI 01 0 000347 - MODUSI 01 0 000366
0071	REPORT OF SURVEY - DEEPWATER HORIZON (Prepared for Transocean, Houston, TX, USA)	MODUSI 01 0 000380 - MODUSI 01 0 000470
0072	E-Mail - From: Thea Dekker - Sent: Wednesday, November 09, 2005, 7:31 AM - To: Diane Williamson - Subject: RE: US1364.2 Deepwater Horizon Update Reports	MODUSI 01 2 010686
0073	Survey Guidelines	MODUSI 01 2 009453 - MODUSI 01 2 009456
0074	ModuSpec List of Recommendations - Rig Name: Deepwater Horizon	MODUSI 01 2 009952 - MODUSI 01 2 009967
0075	SUPPLEMENTAL REPORT OF SURVEY - DEEPWATER HORIZON (Prepared for Transocean, United States)	MODUSI 01 0 000471 - MODUSI 01 0 000486
0076	Interview of ModuSpec Personnel - ModuSpec's Office - 1401 Enclave Parkway - Houston , TX 77077 - August 19, 2010	MODUSA 000476 - MODUSA 000481
0077	E-Mail - From: Alan Schneider Sent: Monday, July 19, 2010 2:42 PM	MODUSA 000201 - MODUSA 000227
0078	E-Mail - From: Peter Sierdsma Subject: FW: Question - follow up call Monday morning	MODUSA 000482 - MODUSA 000485

Documents, Data and Information Considered

Exhibit No.	Description	Bates Number
0079	E-Mail - From: Teril Smith Sent: Tuesday, May 18, 2010 3:46 PM	MODUSA 000284 - MODUSA 000285
0080	REPORT OF SURVEY - Semi-submersible Rig DEEPWATER HORIZON (Prepared for BHP Billiton Americas)	MODUSI 01 2 010105 - MODUSI 01 2 010171
0081	REPORT OF SURVEY BHP SAFETY CRITICAL EQUIPMENT - Semi-Sub Deepwater Horizon (Prepared for BHP Billiton Houston, USA)	MODUSI 01 2 010353 - MODUSI 01 2 010391
0082	REPORT OF SURVEY - Semi-submersible DEEPWATER HORIZON (Prepared for BHP Billiton Americas, Inc., USA)	MODUSA 000386- MODUSA 000452
0083	TRANSOCEAN Purchase Order: P2001882 - USHOU19 / 0	MODUSI 01 0 000679 - MODUSI 01 0 000682
0084	ModuSpec E-Mail - Date: June 3, 2005 To: Transocean Offshore Inc, Mr. Jeff Thompson	MODUSI 01 2 017316 - MODUSI 01 2 017330
0085	ModuSpec Customer Timesheet	MODUSI 01 2 010706 - MODUSI 01 2 010707
0086	DEEPWATER HORIZON - Highest Asset Maintenance Cost Report	MODUSI 01 2 013486
0087	DEEPWATER HORIZON - Planned Maintenance	MODUSI 01 2 016114
0088	RIG CONDITION ASSESSMENT - DEEPWATER HORIZON (Prepared for Transocean USA, Inc., Houston, Texas)	MODUSI 01 0 000001 - MODUSI 01 0 000345
0089	REPORT OF SURVEY - DEEPWATER HORIZON (Prepared for Transocean, Houston, TX, USA)	MODUSI 01 2 009517 - MODUSI 01 2 009575
0090	"The Five Questions"	MODUSI 01 2 009452
0121	U.S. Chemical Safety And Hazard Investigation Board - INVESTIGATION REPORT - REFINERY FIRE AND EXPLOSION (15 Killed, 180 Injured), Report No. 2005-04-1-TX - MARCH 2007	***Previously reserved/marked by Ronnie Penton***
0250	E-Mail - From: Jacque Franco Sent: Monday, May 03, 2010 2:22 PM - Subject: US2147.1 - Report of Survey (DEEPWATER HORIZON)	MODUSA 000077
0251	RIG CONDITION ASSESSMENT - DEEPWATER HORIZON (Prepared for Transocean USA, Inc., Houston, Texas)	MODUSA 000078 - MODUSA 000189
0252	E-Mail - From: Kurt Millsap Sent: Thursday, April 22, 2010 5:03 PM - Subject: RE: Report Review Deepwater Horizon	MODUSI 01 0 000812 - MODUSI 01 0 000819
0253	Transocean Rig Assessment	MODUSI 01 2 009862 - MODUSI 01 2 009872

Documents, Data and Information Considered

Exhibit No.	Description	Bates Number
0254	Project No. US2147.1 - Related project nos US2147 - CONTACT DETAILS	MODUSA 000338 - MODUSA 000339
0255	END OF INPECTION MEETING - 11-Apr-10	MODUSA 000472
0256	E-Mail - From: Alan Schneider Sent: Monday, July 19, 2010 2:41 PM - Subject: FW: US2147.1	MODUSA 000229
0257	RIG CONDITION ASSESSMENT - DEEPWATER HORIZON (Prepared for Transocean USA, Inc., Houston, Texas)	TRN-USCG_MMS-00038609 - TRN-USCG_MMS-00038695, TRN-MDL-00038591 - TRN-MDL-00038677
0258	E-Mail - From: Victor Martinez Sent: Tuesday, May 18, 2010 2:40 PM - Subject: FW: DWH Questions	MODUSA 000281 - MODUSA 000285
0259	MEMO - To: MAT Team Members, CC: ModuSpec USA, From: ModuSpec - Peter A Sierdsma, Date: 06 October 2008, Ref: MAT Guidelines	MODUSI 01 0 000835 - MODUSI 01 0 000841
0260	E-Mail - From: Alan D Schneider Sent: Friday, October 03, 2008 2:44 PM - Subject: FW: Transocean Guidelines For Rig Assessment Reporting	MODUSA 000001
0261	Report on Subsea Equipment Condition: Deepwater Horizon - Prepared by Gary Eastveld for Transocean - WEST Job #001C - 30 November 2005	TRN-HCEC-00063738 - TRN-HCEC-00063777
0262	2.4 ModuSpec Equipment Rating Charts	
0263	Report of an internal BP incident investigation team	BP-HZN-BLY00196035 - BP-HZN-BLY00196049
0264	E-Mail - From: Brock, Tony Sent: Wed Apr 28 12:34:29 2010 - Subject: RE: Parallel Priorities	BP-HZN-BLY00155908
0265	Handwritten Chart & Notes	BP-HZN-BLY00146068
0266	E-Mail - From: Jackson, David J Sent: Monday, July 12, 2010 5:48 AM - Subject: PRIVILEGED & CONFIDENTIAL - DISCUSSION THIS EVENING	BP-HZN-BLY00145965
0267	Handwritten Notes	BP-HZN-BLY00145966
0268	GulfofMexicoSPU - GoM Drilling and Completions - GoM D&C Operating Plan/ Local OMS Manual	BP-HZN-2179MDL00344829 - BP-HZN-2179MDL00344899
0269	Appendix A. - Transocean Deepwater Horizon Rig Incident - Investigation Into the Facts Causation (April 23, 2010)	BP-HZN-BLY00000194
0270	E-Mail - From: Bly, Mark R Sent: Sat Jan 05 18:46:46 2008 - Subject: RE: GOM Operational Update	BP-HZN-CEC104128 - BP-HZN-CEC104130
0271	E-Mail - From: Lacy, Kevin Sent: Tue Jan 15 15:30:31 2008 - Subject: RE: 2 DAWFC's on Marianas	BP-HZN-CEC055608 - BP-HZN-CEC055609
0272	E-Mail - From: Bly, Mark R Sent: Thu Dec 20 16:05:39 2007 - Subject: RE: Heads-Up on 2 Hi-po's	BP-HZN-CEC103824 - BP-HZN-CEC103825
0273	E-Mail - From: Shaw, Neil Sent: Tue Jan 22 13:31:53 2008 Subject: DAWFC on Marianas	BP-HZN-CEC055704 - BP-HZN-CEC055705

Documents, Data and Information Considered

Exhibit No.	Description	Bates Number
0274	E-Mail - From: Sims, David C Sent: Tue Jul 17 21:08:03 2007 - Subject: Update on TO performance	BP-HZN-MBI00037507 - BP-HZN-MBI00037508
0275	Deepwater Horizon Follow Up Rig Audit, Marine Assurance Audit and Out of Service Period September 2009	BP-HZN-IIT-0008871 - BP-HZN-IIT-0008930
0276	Press Release: Dudley Sets Up New Safety and Risk Unit and Signals Sweeping Changes at BP - Release date: 29 September 2010	
0277	Management System Review - 2006 BPXA GPB OTL INCIDENTS: BP America Inc., Final Report - March 2007	
0278	getting HSE right - a guide for BP managers, March 2001	
0279	BP Magazine, Issue Four 2008 - Organizational capability: Getting the basics right - Process safety> Operating essentials	
0280	M&H Enterprises, Inc - Safety Environmental Management Systems (SEMS)	
0281	Letter from BP: September 14, 2009 - Attn: Rules Processing Team (Comments) MS 4024, Re: Proposed Rule - Safety and Environmental Management Systems Outer Continental Shelf Oil and Gas Operations, 1010-AD15, FR Vo. 74, No. 15 6-17-09	
0282	E-Mail - From: Hafle, Mark E Sent: Tue Apr 20 10:53:43 2010 - Subject: RE: Cement job	BP-HZN-2179MDL00250895
0283	E-Mail - From: Morel, Brian P Sent: Tue Apr 20 15:48:26 2010 - Subject: Nitrogen Cement Team	BP-HZN-MBI00129140
0284	Draft: BP Incident Investigation Team - Notes of Interview with Greg Waltz, July 29, 2010 10:00am CDT (Telephonic Interview from Washington, D.C.).	BP-HZN-BLY00111497 - BP-HZN-BLY00111507
0285	***No Document(s) Introduced/Marked***	***NOT INTRODUCED***
0286	Document Chart	BP-HZN-BLY00086325 - BP-HZN-BLY00086335
0287	E-Mail - From: Morel, Brian P Sent: Sat Apr 17 19:27:09 2010 - Subject: FW: Lab Tests	BP-HZN-2179MDL00315248
0288	TESTIMONY OF SENATOR BOB GRAHAM AND THE HONORABLE WILLIAM REILLY - BEFROE THE COMMITTEE ON ENERGY AND NATURAL RESOURCES UNITED STATES SENATE - JANUARY 26, 2011	
0289	Handwritten Notes	BP-HZN-BLY00145214

Documents, Data and Information Considered

Exhibit No.	Description	Bates Number
0290	GoM Exploration Wells: MC 252 #1 - Macondo Prospect, 9-7/8" Casing Interval - Sept 2009	BP-HZN-MBI00184781 - BP-HZN-MBI00184789
0291	MC 25 2#1 Macondo Prospect: Drilling Program, January 2010, Final	TRN-MDL-00093526 - TRN-MDL-00093633
0292	Handwritten Notes	BP-HZN-BLY00145955
0293	***Document(s) Marked / Not Introduced***	***NOT INTRODUCED***
0294	Analysis of Cementing Operations on the Deepwater Horizon and Possible Contributing Factors to Loss of Well Control - Prepared for: Warren Winters, Date: June 17, 2010	BP-HZN-BLY00139698 - BP-HZN-BLY00139805
0295	Handwritten Notes	BP-HZN-BLY00145197- BP-HZN-BLY00145355
0296	BP Incident Investigation Team - Notes of Interview with Mark Hafle - July 8, 2010 at BP Westlake 1 offices - 2:00pm CDT.	BP-HZN-BLY00103032- BP-HZN-BLY00103038
0297	PowerPoint Script: <u>DRAFT</u> - 8/30/10, 21:30 hours	BP-HZN-BLY00104108- BP-HZN-BLY00104118
0298	PowerPoint Script: <u>DRAFT</u> - 9/4/10, 13:30 hours	BP-HZN-BLY00164207- BP-HZN-BLY00164217
0525	***Marked & Introduced***	***Not Provided to Court Reporter***
0526	The transcript of The Joint United States Coast Guard/The Bureau of Ocean Energy Management - 07/20/10	
0527	E-Mail - From: Sepulvado, Ronald W Sent: Sun Apr 11 05:03:03 2010 - Subject: Relief for BOP School	BP-HZN-MBI00171849
0528	tue mar 30	BP-HZN-BLY00067440
0529	E-Mail - From: Morel, Brian P Sent: Mon Apr 12 12:21:30 2010 - Subject: RE: Procedures	BP-HZN-MBI00125959
0530	E-Mail - From: Morel, Brian P Sent: Mon Apr 12 17:57:25 2010 - Subject: Rev 1 Procedure	BP-HZN-MBI001256180 - BP-HZN-MBI001256200
0531	E-Mail - From: Sepulvado, Ronald W Sent: Tue Apr 13 08:43:26 2010 - Subject: FW: Work List plan after Macondo	BP-HZN-2179MDL00309950 - BP-HZN-2179MDL00309949
0532	E-Mail - From: Morel, Brian P Sent: Tue Apr 13 01:32:54 2010 - Subject: RE: Rev 1 Procedure	BP-HZN-MBI00126283 - BP-HZN-MBI00126284
0533	E-Mail - From: Sepulvado, Murry R Sent: Tue Apr 13 20:32:26 2010 - Subject: RE: Rev 1 Procedure	BP-HZN-2179MDL00041229 - BP-HZN-2179MDL00041230
0534	E-Mail - From: Sepulvado, Ronald W Sent: Wed Apr 14 16:29:19 2010 - Subject: RE: Rig Visitors	BP-HZN-2179MDL00311139
0535	E-Mail - From: Sims, David C Sent: Wed Apr 14 17:30:47 2010 - Subject: RE: Rig Visitors	BP-HZN-2179MDL00039265

Documents, Data and Information Considered

Exhibit No.	Description	Bates Number
0536	E-Mail - From: Sepulvado, Ronald W Sent: Wed Apr 14 17:14:57 2010 - Subject: FW: Horizon GP10-25 Environmental Audit by Dave Cox August 2009	BP-HZN-2179MDL00031877 - BP-HZN-2179MDL00031878
0537	E-Mail - From: Morel, Brian P Sent: Wed Apr 14 19:24:50 2010 - Subject: RE: Forward Ops	BP-HZN-MBI00126982
0538	E-Mail - From: Sepulvado, Ronald W Sent: Fri Apr 16 10:51:35 2010 - Subject: Kill Sheet	BP-HZN-MBI00171866
0539	E-Mail - From: Morel, Brian P Sent: Fri Apr 16 02:42:42 2010 - Subject: FW: Modification of Permit to Bypass at Location Surface Lease: G32306 Surface Area: MC Surface Block: 252 Bottom Lease: G32306 Bottom Area: MC Bottom Block: 252 Well Name: 001 Assig	BP-HZN-CEC043219 - BP-HZN-CEC043229
0540	E-Mail - From: Sepulvado, Ronald W Sent: Fri Apr 16 09:57:31 2010	BP-HZN-2179MDL00022260 - BP-HZN-2179MDL00022262
0541	E-Mail - From: Sepulvado, Ronald W Sent: Fri Apr 16 12:03:32 2010 - Subject: 7" x 9 7/8"Csg. Run Tally Rev. 1	BP-HZN-MBI00127602
0542	E-Mail - From: Morel, Brian P Sent: Fri Apr 16 01:03:22 2010 - Subject: FW: 17" Centralizer	BP-HZN-2179MDL00249919 - BP-HZN-2179MDL00249920
0543	E-Mail - From: Guide, John Sent: Fri Apr 16 18:27:43 2010 - Subject: FW: Additional Centralizers	BP-HZN-CEC022433 - BP-HZN-CEC022434 BP-HZN-2179MDL00405919- BP-HZN-2179MDL00405920
0544	E-Mail - From: Morel, Brian P Sent: Fri Apr 16 02:47:31 2010 - Subject: RE: 7" x 9 7/8"Csg. Run Tally Rev. 1	BP-HZN-MBI00171861
0545	E-Mail - From: Morel, Brian P Sent: Fri Apr 16 04:38:03 2010 - Subject: Updated Procedure	BP-HZN-2179MDL00249965 - BP-HZN-2179MDL00249987
0546	E-Mail - From: Sepulvado, Ronald W Sent: Fri Apr 16 12:51:55 2010 - Subject: Relief Notes	BP-HZN-MBI00171869
0547	E-Mail - From: Morel, Brian P Sent: Tue Apr 20 15:36:07 2010 - Subject: Ops Note	BP-HZN-MBI00129108
0548	E-Mail - From: Cocalles, Brett W Sent: Fri Mar 15 01:11:15 2010 - Subject: FW: Lloyds Trip DD2 Horizon	BP-HZN-2179MDL00047431 - BP-HZN-2179MDL00047433
0549	Terms of Reference - NPT Review of Macondo 20" Open Hole Mud Loss Event	BP-HZN-MBI00109672
0550	E-Mail - From: Sepulvado, Ronald W Sent: Tue Feb 23 21:58:29 2010 - Subject: Daily Plan	BP-HZN-MBI00107183
0551	E-Mail - From: Sepulvado, Ronald W Sent: Fri Mar 12 06:42:17 2010 - Subject: Daily Plan	BP-HZN-MBI00110227
0552	E-Mail - From: Burns, Tim A Sent: Fri Oct 05 19:36:01 2007 - Subject: Forward Planning	BP-HZN-2179MDL00177174

Documents, Data and Information Considered

Exhibit No.	Description	Bates Number
0553	***Marked & Introduced***	***Not Provided to Court Reporter***
0554	***Marked & Introduced***	***Not Provided to Court Reporter***
0555	DAILY PPFG REPORT - Date and Time: Oct. 22, 2009 6:00AM	BP-HZN-MBI00073351
0556	DAILY GEOLOGICAL REPORT - Date: 02/10/2010	
0557	GoM Production Training Summary Report - 11/01/10, 14:45	BP-HZN-2179MDL00330393 - BP-HZN-2179MDL00330396 BPD115-056544 - BPD115-056547
0558	Drilling Completions	BP-HZN-2179MDL00316067 - BP-HZN-2179MDL00316092 BPD115-042218 - BPD115-042243
0559	MC 252 #1 ST00 BP01 Macondo - PP FG OB MW vs. Depth	
0560	E-Mail - From: Sepulvado, Ronald W Sent: Fri Apr 16 12:51:55 2010 - Subject: Relief Notes	BP-HZN-MBI00171869
0561	E-Mail - To: Kaluza, Robert Subject: Relief Notes	BP-HZN-2179MDL00321807
0562	E-Mail - From: Morel, Brian P Sent: Mon Apr 12 17:57:25 2010 - Subject: Rev 1 Procedure	BP-HZN-2179MDL00272297 - BP-HZN-2179MDL00272317
0563	E-Mail - From: Morel, Brian P Sent: Wed Apr 14 19:24:50 2010 - Subject: RE: Forward Ops	BP-HZN-2179MDL00249624
0564	E-Mail - From: Morel, Brian P Sent: Fri Apr 16 04:38:03 2010 - Subject: Updated Procedure	BP-HZN-2179MDL00249965- BP-HZN-2179MDL00249987
0565	E-Mail - From: Vidrene, Don J Sent: Fri Apr 16 11:23:02 2010 - Subject: FW: Modification of Permit to Bypass at Location Surface Lease: G32306 Surface Area: MC Surface Block: 252 Bottom Lease: G32306 Bottom Area: MC Bottom Block: 252 Well Name: 001 Assign	BP-HZN-2179MDL00096758 BP-HZN-2179MDL00161671 - BP-HZN-2179MDL00161674
0566	E-Mail - From: Morel, Brian P Sent: Tuesday, April 20, 2010 10:43 AM - Subject: Ops Note	BP-HZN-2179MDL00161670
0567	BP / Deepwater Horizon - Rheliant Displacement Procedure "Macondo" OCS-G32306	BP-HZN-MBI00170827
0568	E-Mail - From: Guide, John Sent: Mon Apr 12 18:34:04 2010 - Subject: RE: Relief for the Horizon	BP-HZN-MBI00171855
0569	Wellsite Checklists - Cementing Responsibilities	BP-HZN-BLY00193967 - BP-HZN-BLY00193996
0570	Form MMS-124 - Electronic Version: Application for Permit to Modify	BP-HZN-MBI00127907 - BP-HZN-MBI00127910
0571	Safety Drill Report - Dated: 14 Feb 2010	BP-HZN-MBI00167534 - BP-HZN-MBI00167575
0572	E-Mail - From: Rainey, David I Sent: Fri Mar 26 23:42:50 2010 - Subject: Thank You	BP-HZN-2179MDL00045101

Documents, Data and Information Considered

Exhibit No.	Description	Bates Number
0573	E-Mail - From: Cocalles, Brett W Sent: Tue Feb 23 22:08:54 2010 - Subject: RE: Horizon Update	BP-HZN-2179MDL00359572
0574	E-Mail - From: Guide, John Sent: Tue Feb 23 21:37:06 2010 - Subject: RE: Macondo forward plan	BP-HZN-2179MDL00021996
0575	E-Mail - From: Sepulvado, Ronald W Sent: Wed Feb 24 13:40:49 2010 - Subject: Relief Notes	BP-HZN-2179MDL00008693
0576	E-Mail - From: Sepulvado, Ronald W Sent: Wed Feb 26 17:42:12 2010 - Subject: BOP School	BP-HZN-MBI00171845
0577	E-Mail - From: Rich, David A Sent: Tue Mar 09 15:46:53 2010 - Subject: FW: Macondo Well	BP-HZN-2179MDL00006070
0578	E-Mail - From: Rich, David A Sent: Wed Mar 10 23:06:53 2010 - Subject: FW: Auto Generated Report from Openwells - OCS-G32306 MC252 #1 - BP Daily Operations-Partners Report Number 107 - (3-8-2010)	BP-HZN-2179MDL00022318 - BP-HZN-2179MDL00022324 & BP-HZN-MBI00171846
0579	E-Mail - From: itandsdrillingandcompletions@bp.com Sent: Wed Mar 10 11:44:36 2010 - Subject: Auto Generated Report from Openwells - OCS-G32306 MC252 #1 - BP Daily Operations-Partners Report Number 108 - 3/9/2010	BP-HZN-2179MDL00032451 - BP-HZN-2179MDL00032456
0580	Chief Counsel's Report - Chapter 4.10: Maintenance	
0581	Produced Natively BP-HZN-BLY00055862 - WCS UMB Master 2010	
0582	E-Mail - From: Guide, John Sent: Mon Apr 13 19:36:43 2009 - Subject: FW: SCAN	BP-HZN-2179MDL00359931
0583	E-Mail - From: Ellis, Gary G (Swift) Sent: Wednesday, July 28, 2010 11:32 PM - Subject: RE: Verification of BOP Functions	TRN-MDL-00302601 - TRN-MDL-00302603
0584	E-Mail - From: Kelley, Merrick M Sent: Thursday, July 29 2010 4:25 PM - Subject: RE: Verification of BOP Functions	TRN-MDL-00302587- TRN-MDL-00302600
0585	E-Mail - From: Pleasant, Chris Sent: Tuesday, July 27 2010 12:17 PM - Subject: FW: Current Status of BOP	TRN-MDL-00302646- TRN-MDL-00302653
0586	TL BOP Stack Control Equipment, Stack Mounted, 18-3/4" 15,000 psi WP (Diagram)	CAM_CIV_0000025
0587	Certificate awarded to Chris Pleasant in recognition of the completion of Operation Maintenance & Best Practices Training, MUX Control System (Held October 26th - 29th, 2009, Houston, TX)	TRN-HCJ-00127447 - TRN-HCJ-00127460 & TRN-MDL-00271949- TRN-MDL-00271982
0588	DAR Consolidation Report	TRN-USCG-MMS-00059345- TRN-USCG-MMS-00059570 TRN-MDL-0000302302 - TRN-MDL-0000302527

Documents, Data and Information Considered

Exhibit No.	Description	Bates Number
0589	Operation Event Report	TRN-USCG-MMS-00044226- TRN-USCG-MMS-000227 TRN-MDL-00287183- TRN-MDL-00287184
0590	Well Control Handbook	TRN-USCG-MMS-00043810 - TRN-USCG-MMS-00044107 TRN-MDL-00286767- TRN-MDL-00287064
0591	RMS II Morning Report, Rig: Deepwater Horizon, 19 Apr 2010	TRN-USCG-MMS-00047299 - TRN-USCG-MMS-00047323 TRN-MDL-00290256- TRN-MDL-00290280
0592	Transocean - COMPLETION NOTIFICATION FORM, Environmental Leadership Training	TRN-HCJ-00127444 - TRN-HCJ-00127460 TRN-MDL-00271514- TRN-MDL-00272016
0593	WellCAP - IADC WELL CONTROL ACCREDITATION PROGRAM	
0594	The Transcript of The Joint United States Coast Guard Minerals Management Service Investigation - 05/28/10	
0595	Safety Drill Report - Dated: 14 Feb 2010	BP-HZN-MBI00167534 - BP-HZN-MBI00167575
0596	Well Control Handbook	BP-HZN-2179MDL00330768 - BP-HZN-2179MDL00331163
0597	DEEPWATER HORIZON EMERGENCY RESPONSE MANUAL - Volume 1 of 2	BP-HZN-IIT-0002370 - BP-HZN-IIT-0002741 BP-HZN-MBI00131953 - BP-HZN-MBI00132325
0598	E-Mail - From: Fry, Michael (Houston) Sent: Monday, February 01, 2010 6:41 PM - Subject: RE: Issue on the Horizon with connectors.	TRN-MDL-00303029
0599	Daily Report Sheet - Date 5/MAY/2010	BP-HZN-IIT-0006192 - BP-HZN-IIT-0006199 BP-HZN-MBI00133146 - BP-HZN-MBI00133153
0656	E-Mail - From: DWH, AsstDriller (Deepwater Horizon) Sent: Saturday, April 03, 2010 2:09 PM - Subject: MORNING REPORT	TRN-USCG-MMS-00057073 - TRN-USCG-MMS-00057074 TRN-MDL-00300030 - TRN-MDL-00300031
0657	Daily Drilling Report (dated 08 Mar 2010)	TRN-USCG-MMS-00042231 - TRN-USCG-MMS-00042233 TRN-MDL-00041583 - TRN-MDL-00041585
0658	E-Mail - From: DWH, AsstDriller (Deepwater Horizon) Sent: Saturday, April 03, 2010 11:41 AM - Subject: Update	TRN-USCG-MMS-00058430 TRN-MDL-00301387
0659	E-Mail - From: Guide, John - Subject: Call	BP-HZN-MBI00222540 - BP-HZN-MBI00222541
0660	E-Mail - From: O'Bryan, Patrick Sent: Sun Mar 21 22:10:40 2010 - Subject: March 22 D&C LT Session - Current State of Operations Discussion	BP-HZN-2179MDL00245281

Documents, Data and Information Considered

Exhibit No.	Description	Bates Number
0661	E-Mail - From: Sprague, Jonathan D Sent: Thu Apr 08 11:17:05 2010 - Subject: FW: Message For Ops Meeting Today	BP-HZN-BLY00067056 BPD119-004995
0662	E-Mail - From: Guide, John Sent: Fri Apr 16 18:27:43 2010 - Subject: FW: Additional Centralizers	BP-HZN-2179MDL00081605 - BP-HZN-2179MDL00081606
0663	Understanding the Transocean Company Management System	
0664	RMS II Morning Report, Rig: Deepwater Horizon, 19 Apr 2010	TRN-USCG-MMS-00047299 - TRN-USCG-MMS-00047326 TRN-MDL-00290256- TRN-MDL-00290283
0665	E-Mail - From: DWH, OIM (Deepwater Horizon) Sent: Wednesday, February 10 2010 3:12 AM - Subject: BOP Test	TRN-MDL-00466634
0666	E-Mail - From: Johnson, Paul (Houston) Sent: Monday, February 22 2010 12:29 PM - Subject: BOP Test Rams Level 2 Investigation (Revision 1) .doc	TRN-MDL-00483845 - TRN-MDL-00483846
0667	Well Control Handbook (Revision Date: March 31, 2009)	TRN-USCG-MMS-00043810 - TRN-USCG-MMS-00043818 TRN-MDL-00286767- TRN-MDL-00287075
0668	E-Mail - From: DWH, MaintSup (Deepwater Horizon) Sent: Tuesday, March 02 2010 9:40 PM - Subject: Project Items and Between Well Items	TRN-MDL-00481480 - TRN-MDL-00481488
0669	E-Mail - From: Kent, James (Houston) Sent: Monday, April 05 2010 9:05 PM - Subject: RE: 10 yr inspection/certification	TRN-USCG-MMS-00049850 TRN-MDL-00292807
0670	E-Mail - From: Guide, John Sent: Wed Feb 10 14:58:08 2010 - Subject: RE: Subsea	BP-HZN-2179MDL00833501
0671	DEEPWATER HORIZON - OPERATIONS MANUAL - VOLUME 1 of 2	BP-HZN-2179MDL00141787 - BP-HZN-2179MDL00142399
0672	Spreadsheets	
0673	Transocean - OPERATIONS POLICIES AND PROCEDURES MANUAL (Revision Date: NOVEMBER 1, 2004)	TRN-HCEC-00004639 - TRN-HCEC-00004726
0674	Well Control Handbook (Revision Date: March 31, 2009)	TRN-HCEC-00005402 - TRN-HCEC-00005797
0675	E-Mail - From: Johnson, Paul (Houston) Sent: Wednesday, May 12 2010 2:04 PM - Subject: RE: Negative test Procedure	TRN-MDL-00398758 - TRN-MDL-00398759
0676	File Note: Information regarding tick on Deepwater Horizon on March 8th 2010	BP-HZN-BLY00096442 - BP-HZN-BLY00096445

Documents, Data and Information Considered

Exhibit No.	Description	Bates Number
0677	E-Mail - From: DWH, OIM (Deepwater Horizon) Sent: Tuesday, April 06 2010 10:59 PM - Subject: Promotions	TRN-MDL-00481727 - TRN-MDL-00481727
0678	E-Mail - From: Johnson, Paul (Houston) Sent: Tuesday, April 20 2010 2:37 PM - Subject: FW: Horizon Trip	TRN-USCG-MMS-00058093 - TRN-USCG-MMS-00058094 TRN-MDL-00301050 - TRN-MDL-00301051
0679	E-Mail - From: Guide, John Sent: Thu Apr 15 17:23:50 2010 - Subject: RE: Stuff for Paul (TOI)	BP-HZN-2179MDL00312131
0680	E-Mail - From: Guide, John Sent: Thu Apr 15 17:31:38 2010 - Subject: Nile	BP-HZN-2179MDL00312134
0681	E-Mail - From: Fry, Michael (Houston) Sent: Wednesday, April 21 2010 8:49 AM - Subject: Re: BOP Issues	TRN-USCG-MMS-00058835 TRN-MDL-00301792
0682	E-Mail - From: DWH, OIM (Deepwater Horizon) Sent: Thursday, February 18 2010 2:15 PM - Subject: BOP Test Procedures	TRN-MDL-00307667
0683	E-Mail - From: Johnson, Paul (Houston) Sent: Wednesday, March 17 2010 1:51 PM - Subject: Hazard Recognition	TRN-USCG-MMS-00058224 TRN-MDL-00301181
0684	E-Mail - From: Guide, John Sent: Thu Mar 18 11:33:43 2010 - Subject: RE: Hazard Recognition	BP-HZN-2179MDL00289217
0685	E-Mail - From: Johnson, Paul (Houston) Sent: Wednesday, March 31 2010 9:06 PM - Subject: RE: Annular Stripping Element	TRN-USCG-MMS-00058712 - TRN-USCG-MMS-00058714 TRN-MDL-00301669 - TRN-MDL-00301671
0686	E-Mail - From: Rodriguez, Angel [angel.rodriguez@bp.com] Sent: Tuesday, March 30 2010 2:10 AM - Subject: Deepwater Horizon's Rig Audit close out report status	TRN-MDL-00420217
0687	Transocean - Personnel On-Board: As of 20 Apr 2010 17:09:15	TRN-USCG-MMS-00030435 - TRN-USCG-MMS-00030441 TDD02-000643 - TDD02-000649
0688	Transocean - Operation Event Report (Date of Event: 03-08-2010)	TRN-USCG-MMS-00044226 - TRN-USCG-MMS-00044227 TRN-MDL-00287183 - TRN-MDL-00287184
0689	E-Mail - From: Cowie, Jim Sent: Mon Jul 12 15:46:32 2010 - Subject: RE: Terms of Reference	BP-HZN-BLY00096441 - BP-HZN-BLY00096447
0700	Transocean - Deepwater Horizon: BOP Subsea Test (Well Num. MC 252 Macondo #1, Date 02-10-10)	TRN-HCEC-00064683 - TRN-HCEC-00064694 TRN-MDL-00106420 - TRN-MDL-00106431
0701	The transcript of The Joint United States Coast Guard Minerals Management Service Investigation - 05/28/10	

Documents, Data and Information Considered

Exhibit No.	Description	Bates Number
0702	Subsea Supervisor - North American Division (Employment Advertisement)	
0703	RMS II Morning Report, Rig: Deepwater Horizon, 03 Jan 2010	TRN-HCEC-0040161 - TRN-HCEC-0040217
0704	RMS II Equipment History, System: WCS, 05 May 2010	TRN-HCEC-00033725 - TRN-HCEC-00033780
0705	RMS II Equipment History, System: WCS, 06 May 2010	TRN-HCEC-00039812 - TRN-HCEC-00039930
0706	Emergency Disconnect Procedure	TRN-USCG-MMS-00013698 - TRN-USCG-MMS-00013699 TRN-MDL-00013572- TRN-MDL-00013573
0707	E-Mail - From: Szafron, Kevin Sent: Tue May 18 23:25:34 2010 - Subject: Maintenance Management System Record Review	BP-HZN-BLY00140351
0754	E-Mail - From: Sprague, Jonathan D Sent: Fri Feb 19 04:03:42 2010 - Subject: FW: Talk	BP-HZN-2179MDL00655255- BP-HZN-2179MDL00655258
0755	2009: Annual Individual Objectives	BP-HZN-MBI00193059 - BP-HZN-MBI00193063
0756	E-Mail - From: lockfish - Subject: Beers at the Yard House	BP-HZN-2179MDL0030139
0757	Document Produced Natively - Risk Register for Project: Macondo (Last updated 20-June-09)	BP-HZN-2179MDL00670193
0758	Deepwater Horizon Accident Investigation Report - dated September 8, 2010	
0759	E-Mail - From: O'Bryan, Patrick L Sent: Tue Apr 27 19:39:27 2010 - Subject: RE: Bladder effect	BP-HZN-2179MDL0032187 - BP-HZN-2179MDL0032187
0760	Gulf of Mexico SPU - GoM Drilling and Completions - The Way We Work	BP-HZN-2179MDL00394896 - BP-HZN-2179MDL00395038
0761	Handwritten Notes	BP-HZN-BLY00061470 - BP-HZN-BLY00061475
0762	E-Mail - From: Vinson, Graham (Pinky) Sent: Wed Mar 10 15:08:58 2010 - Subject: Macondo	BP-HZN-2179MDL00243399
0763	E-Mail - From: Sprague, Jonathan D Sent: Fri Mar 12 01:14:41 2010 - Subject: RE: Walz & Macondo	BP-HZN-2179MDL00040190
0764	E-Mail - From: Sprague, Jonathan D Sent: Wed Apr 28 22:16:09 2010 - Subject: Visit	BP-HZN-2179MDL00450561 - BP-HZN-2179MDL00450574
0765	Group Defined Operating Practice - Assessment, Prioritization and Management of Risk.	BP-HZN-MBI00195280 - BP-HZN-MBI00195301
0766	E-Mail - From: Sprague, Jonathan D Sent: Sun Jun 13 22:14:39 2010 - Subject: RE: White House Slides	BP-HZN-2179MDL00658426 - BP-HZN-2179MDL00658428

Documents, Data and Information Considered

Exhibit No.	Description	Bates Number
0767	E-Mail - From: Employee Communications Sent: Sun Apr 25 17:18:21 2010 - Subject: GoM incident - update on BP's response from Tony Hayward	BP-HZN-2179MDL00443533
0768	Initial Exploration Plan - Mississippi Canyon Block 252 - OCS-G - 32306	BP-HZN-2179MDL00001095 - BP-HZN-2179MDL00001218
0769	BP-GULF OF MEXICO-REGIONAL OIL SPILL RESPONSE PLAN	BP-HZN-CEC019244 - BP-HZN-CEC019825
0770	Peter L. Lutz -- Milton et al. 208 (15): 2817 -- Journal of Experimental Biology	
0771	@nifty	
0772	Daily Update and Summary, 27 April 2010 5AM - Summary of Daily Activates	BP-HZN-2179MDL00621653 - BP-HZN-2179MDL00621654
0773	MC 252 Relief Wells Learnings Kick-off Meeting, 14 October 2010	BP-HZN-2179MDL00666040 - BP-HZN-2179MDL00666058
0774	Drilling Engineering Manager - Roles and Responsibilities	BP-HZN-2179MDL00280452- BP-HZN-2179MDL00280453 BPD115-006603 - BPD115-006604
0775	BP MMS Subpart "O" Well Control Training Plan	BP-HZN-2179MDL00381847- BP-HZN-2179MDL00381855 BPD008-042202 - BPD008-042210
0776	E-Mail - From: Shaughnessy, John M Sent: Wed Sep 02 20:44:33 2009 - Subject: FW: Question: Well Control School	BP-HZN-2179MDL00352605 BP-HZN-2179MDL00352608 BPD008-012960 - BPD008-012963
0777	Rig Audit Support - Deepwater Horizon Containment Survey (dated 25 August 2009)	BP-HZN-BLY00109641 - BP-HZN-BLY00109675 BPD007-006644 - BPD007-006678
0778	Gulf of Mexico SPU - Guidance for Sharing of Drilling, Completion and Interventions Information with Co-Owners	BP-HZN-2179MDL00315197 - BP-HZN-2179MDL00315206
0779	GOM PSCM MONTHLY NEWS UPDATE; Feb 2010 - BP CONFIDENTIAL	BP-HZN-2179MDL00406187- BP-HZN-2179MDL00406192 BPD005-000433 - BPD005-000438
0780	E-Mail - From: Wong, Norman (SUN) Sent: Tue Oct 06 14:52:08 2009 - Subject: Deepwater Horizon Rig Audit	BP-HZN-2179MDL00340579 - BP-HZN-2179MDL00340580 BPD008-000934 - BPD008-000935
0781	E-Mail - From: Sprague, Jonathan D Sent: Thu Apr 08 11:17:05 2010 - Subject: FW: Message For Ops Meeting Today	BP-HZN-2179MDL00067056 BPD119-004995
0782	Drilling & Completions MOC Initiate (date initiated 10/20/2009)	BP-HZN-2179MDL00252402 - BP-HZN-2179MDL00252404

Documents, Data and Information Considered

Exhibit No.	Description	Bates Number
0783	E-Mail - From: Holt, Charles A Sent: Fri Mar 05 15:53:38 2010 - Subject: FW: Metal in the BOP and need to pull	BP-HZN-2179MDL00342667 - BP-HZN-2179MDL00342668
0784	Gulf of Mexico SPU - Drilling and Completions - OMS Implementations - Terms of Reference	BP-HZN-2179MDL00369586 - BP-HZN-2179MDL00369592
0785	2010SPU OMS Gaps - Ranking Matrix	
0786	E-Mail - From: Sprague, Jonathan D Sent: Wed Jun 03 23:41:06 2009 - Subject: FW: Process Safety Lessons for Mad Dog Consideration - June 3rd Meeting Agenda and Pre-Read	BP-HZN-2179MDL00369383 - BP-HZN-2179MDL00369399
0787	E-Mail - From: Sprague, Jonathan D Sent: Wed Mar 10 19:43:47 2010 - Subject: Well Plan Guidelines	BP-HZN-2179MDL00385375 - BP-HZN-2179MDL00385398
0788	MC 252 #1 (Macondo): TD forward Plan Review: Production Casing & TA Options	
0789	E-Mail - From: Taylor, Charles E Sent: Wed Mar 25 16:37:18 2009 - Subject: Cementing Workshops	BP-HZN-2179MDL00355741
0790	Gulf of Mexico SPU - Recommended Practice for Cement Design and Operations in DW GoM	BP-HZN-2179MDL00360844 - BP-HZN-2179MDL00360865
0791	Guidelines for Cement Design and Operations in DW GoM	BP-HZN-2179MDL00635189 - BP-HZN-2179MDL00635210
0792	Macondo Relief Well MC252#3 - Operational File Note 22	
0793	E-Mail - From: Morel, Brian P Sent: Monday, April 26, 2010 6:40 AM - Subject: FW: Ops Note	BP-HZN-CEC008574
0794	E-Mail - From: Morel, Brian P Sent: Tue Apr 20 15:36:07 2010 - Subject: Ops Note	BP-HZN-MBI00129108
0795	Computer Screen Snapshot	BP-HZN-BLY00097031
0796	E-Mail - From: Guide, John Sent: Fri Apr 16 18:27:43 2010 - Subject: FW: Additional Centralizers	BP-HZN-2179MDL00081605 - BP-HZN-2179MDL00081606
0797	E-Mail - From: Little, Ian Sent: Thu Feb 11 13:25:41 2010 - Subject: E&A Ops Update	BP-HZN-MBI00101196
0798	E-Mail - From: Walz, Gregory S Sent: Sat Feb 20 14:18:16 2010 - Subject: Auto Generated Report from Openwells - OCS-G32306 MC252 #1 - BP Daily Operations-Partners Report Number 90 - 2/19/2010	BP-HZN-MBI00104228 - BP-HZN-MBI00104236
0799	Weatherford NPT Trend Review	BP-HZN-2179MDL00305249 - BP-HZN-2179MDL00305263
0822	E-Mail - From: Tippetts, Brad Sent: Thu Nov 05 18:01:51 2009 - Subject: RE: Macondo LIT/LDS run	BP-HZN-2179MDL000379945 - BP-HZN-2179MDL000379946
0823	E-Mail - From: Albers, Shane Sent: Thu Nov 12 20:39:39 2009 - Subject: FW: Drill Collars: Type and Quantity?	BP-HZN-2179MDL000343780 - BP-HZN-2179MDL000343782

Documents, Data and Information Considered

Exhibit No.	Description	Bates Number
0824	Transcription of Shane Albers Interview Notes - conducted 28 Apr 2010	
0825	E-Mail - From: Kelley, Merrick M Sent: Sun Aug 08 14:24:28 2010 - Subject: RE: 2010 Individual Performance Assessment	BP-HZN-2179MDL00750476 - BP-HZN-2179MDL00750485
0826	Gullion's Method of Pressure Testing (6 Jan 2010)	BP-HZN-2179MDL00750812- BP-HZN-2179MDL00750835
0827	Pressure Testing (January 6, 2010)	BP-HZN-2179MDL00750446- BP-HZN-2179MDL00750460
0828	bp - PRE-COURSE EXERCISE: Integrity Management	BP-HZN-2179MDL00751012- BP-HZN-2179MDL00751028
0829	E-Mail - From: Albers, Shane Sent: Tue Mar 23 21:40:40 2010 - Subject: RE: Macondo LDS Procedure - Latest Copy...	BP-HZN-2179MDL00004313- BP-HZN-2179MDL00004314
0830	E-Mail - From: Albers, Shane Sent: Thu Nov 05 05:48:37 2009 - Subject: RE: Macondo LIT/LDS run	BP-HZN-OIG00008048 DHCIT_AS-3401628
0831	E-Mail - From: Morel, Brian P Sent: Thu Nov 12 21:33:45 2009 - Subject: FW: Drill Collars: Type and Quantity?	BP-HZN-MBI00076083/DHCIT_ASX-7188235 BP-HZN-MBI00076085/DHCIT_ASX-7188237
0832	E-Mail - From: Hafle, Mark e Sent: Wed Mar 03 21:25:38 2010 - Subject: RE: LIT/LDS XO on Horizon - Final Plan	BP-HZN-MBI00108716/DHCIT_ASX-7276213 BP-HZN-MBI00108718/DHCIT_ASX-7276215
0833	E-Mail - From: Albers, Shane Sent: Tue Apr 13 18:50:20 2010 - Subject: Macondo LIT.LDS Procedure	BP-HZN-MBI00199221/DHCIT_TPY-0244600
0834	bp-Macondo Lead Impression Tool (LIT) and Lock Down Sleeve (LDS) Running Procedure	BP-HZN-MBI00199222 - BP-HZN-MBI00199253 DHCIT_TPY-0244601 - DHCIT_TPY-0244632
0835	E-Mail - From: Edward Galloway Sent: Thu Feb 11 17:02:29 2010 - Subject: Re: Macondo lock down sleeve	BP-HZN-2179MDL00395660 - BP-HZN-2179MDL00395665 BPD008-056015 - BPD008-056020
0836	E-Mail - From: Morel, Brian P Sent: Mon Apr 12 17:57:25 2010 - Subject: Rev 1 Procedure	BP-HZN-2179MDL00272297 - BP-HZN-2179MDL00272317
0837	E-Mail - From: Albers, Shane Sent: Wed Mar 03 21:28:35 2010 - Subject: RE: LIT/LDS XO on Horizon - Final Plan	BP-HZN-2179MDL00024654 - BP-HZN-2179MDL00024657
0838	E-Mail - From: Morel, Brian P Sent: Mon Apr 12 17:19:29 2010 - Subject: RE: CONFIRM LDS Measurement Tool Location - DRIL QUIP TOOL BOX	BP-HZN-2179MDL00048824 - BP-HZN-2179MDL00048825
0839	E-Mail - From: Morel, Brian P Sent: Mon Apr 19 15:54:34 2010 - Subject: 6 5/8" Drill Pipe ppf?	BP-HZN-2179MDL00250827

Documents, Data and Information Considered

Exhibit No.	Description	Bates Number
0840	E-Mail - From: Morel, Brian P Sent: Fri Apr 16 20:15:12 2010 - Subject: Plan Forward	BP-HZN-MBI00128339
0841	GoM Exploration Wells: MC 252 #1ST00BP01 - Macondo Prospect, 7" x 9-7/8" Interval	BP-HZN-MBI00128340 - BP-HZN-MBI00128360
0842	E-Mail - From: Guillion, Steve D (Clover Staffing) Sent: Mon Feb 01 19:18:37 2010 - Subject: RE: Macondo lock down sleeve	BP-HZN-2179MDL00747488 - BP-HZN-2179MDL00747495
0843	E-Mail - From: Austin, Rashod Sent: Thu Sep 03 20:26:48 2009 - Subject: FW: Dril-quip Training	BP-HZN-2179MDL00353870 - BP-HZN-2179MDL00353874
0844	E-Mail - From: Austin, Rashod Sent: Thu Oct 08 15:42:08 2009 - Subject: FW: Macondo DDR Distribution_10-06-09	BP-HZN-2179MDL00345434 - BP-HZN-2179MDL00345435
0845	E-Mail - From: Albers, Shane Sent: Thu Oct 22 14:31:09 2009 - Subject: LIT Load Capacity	BP-HZN-2179MDL00572649
0846	E-Mail - From: Austin, Rashod Sent: Tue Oct 27 22:07:08 2009 - Subject: LIT procedure	BP-HZN-2179MDL00398965 - BP-HZN-2179MDL00399028
0847	E-Mail - From: Albers, Shane Sent: Thu Nov 05 05:48:37 2009 - Subject: RE: Macondo LIT/LDS run	BP-HZN-2179MDL00344443
0848	E-Mail - From: Albers, Shane Sent: Wed Nov 11 22:07:44 2009 - Subject: RE: Drill Collars: Type and Quantity?	BP-HZN-2179MDL00367339 - BP-HZN-2179MDL00367340
0849	***Document(s) Marked / Not Introduced***	***NOT INTRODUCED***
0850	E-Mail - From: Morel, Brian P Sent: Thu Nov 12 21:33:45 2009 - Subject: FW: Drill Collars: Type and Quantity?	BP-HZN-2179MDL00214099 - BP-HZN-2179MDL00214101
0851	E-Mail - From: KD Davis Sent: Wed Feb 10 02:50:47 2010 - Subject: Request for Plan to finish Bi-Flow Testing (Punch List Attached)	BP-HZN-2179MDL00745863 - BP-HZN-2179MDL00745865
0852	E-Mail - From: Hafle, Mark E Sent: Tue Feb 03 04:42:03 2010 - Subject: RE: LIT/LDS XO on Horizon - Final Plan	BP-HZN-2179MDL00270623
0853	E-Mail - From: Kelley, Merrick M Sent: Sat Jan 30 20:32:43 2010 - Subject: FW: Macondo lock down sleeve	BP-HZN-2179MDL00373827 - BP-HZN-2179MDL00373831
0854	E-Mail - From: Morel, Brian P Sent: Fri Feb 26 15:47:33 2010 - Subject: RE: XO on Horizon	BP-HZN-2179MDL00242525 - BP-HZN-2179MDL00242526
0855	logbook: experience record form	BP-HZN-2179MDL00359960 - BP-HZN-2179MDL00360018
0856	E-Mail - From: Morel, Brian P Sent: Mon Apr 12 17:19:29 2010 - Subject: RE: CONFIRM LDS Measurement Tool Location - DRIL QUIP TOOL BOX	BP-HZN-2179MDL00048824 - BP-HZN-2179MDL00048825

Documents, Data and Information Considered

Exhibit No.	Description	Bates Number
0857	E-Mail - From: Albers, Shane Sent: Tue Apr 13 18:50:20 2010 - Subject: Macondo LIT & LDS Procedure	BP-HZN-MBI00126495 - BP-HZN-MBI00126526
0858	E-Mail - From: Morel, Brian P Sent: Mon Apr 19 15:33:04 2010 - Subject: RE: 6 5/8" Drill Pipe ppf?	BP-HZN-MBI00128875
0859	E-Mail - From: Tippetts, Brad Sent: Tue Apr 20 12:04:21 2010 - Subject: FW: Macondo update	BP-HZN-2179MDL00362513
0885	nar.ops.rigcentral.com-/training/Personnel Training Files/B/BURGESS Micah Brandon - 22344/	TRN-USCG-MMS-00058096 TRN-MDL-00301053
0886	E-Mail - From: Johnson, Paul (Houston) Sent: Wednesday, April 07, 2010 12:25 PM - Subject: FW: Promotions	BP-HZN-2179MDL00004529 - BP-HZN-2179MDL00004530
0887	Daily Drilling Report (dated 21-Jan-2010)	TRN-USCG-MMS-00026070 - TRN-USCG-MMS-00026074 TRN-MDL-00026070 - TRN-MDL-00026074
0888	E-Mail - From: Johnson, Paul (Houston) Sent: Monday, February 01, 2010 10:02 AM - Subject: Kodiak #2 Incentive	TRN-MDL-00467831
0889	E-Mail - From: GOM34 [GOM34@deepwater.com] Sent: Thursday, February 04, 2010 9:21 AM - Subject: GOM34734 has been scanned	TRN-MDL-00467823 - TRN-MDL-00467830
0890	BP - Daily Operations Report (Date: 10/22/2009)	BP-HZN-CEC041456 - BP-HZN-CEC041461
0891	BP - Daily Operations Report (Date: 10/23/2009)	BP-HZN-CEC041463 - BP-HZN-CEC041467
0892	E-Mail - From: Johnson, Paul (Houston) Sent: Thursday, February 02, 2010 4:47 PM - Subject: Crew engagement	TRN-MDL-00482766
0893	Daily Drilling Report (dated 07-Feb-2010)	BP-HZN-CEC-019071 - BP-HZN-CEC-019075
0894	Daily Operations Report - Partners (Drilling) { 10/26/2009 }	BP-HZN-MBI00019167 - BP-HZN-MBI00019171
0895	E-Mail - From: Bodek, Robert Sent: Tue Jan 26 15:53:02 2010 - Subject: Macondo: 18" CSG section review	BP-HZN-MBI00099621 - BP-HZN-MBI00099632
0896	Daily Operations Report - Partners (Drilling) { 10/27/2009 }	BP-HZN-MBI00192241 - BP-HZN-MBI00192245
0897	Daily Operations Report - Partners (Drilling) { 02/12/2010 }	BP-HZN-MBI00192083 - BP-HZN-MBI00192089
0898	Daily Drilling Report (dated 08-Mar-2010)	BP-HZN-CEC-019084 - BP-HZN-CEC-019086
0899	Daily Drilling Report (dated 09-Mar-2010)	TRN-USCG-MMS-00026182 - TRN-USCG-MMS-00026185 TRN-MDL-00026182 - TRN-MDL-00026185

Documents, Data and Information Considered

Exhibit No.	Description	Bates Number
0900	E-Mail - From: Sprague, Jonathan D Sent: Fri Mar 05 13:09:54 2010 - Subject: FW: Request for Assistance	BP-HZN-2179MDL00281625
0901	Drilling & Completions MOC Initiate (date initiated 4/14/2010)	BP-HZN-BLY00168845 - BP-HZN-BLY00168847
0902	DWGOM - GP 10-60-1 - Zonal Isolation Requirements during Drilling Operations and Well Abandonment and Suspension (Supersedes GP 10-60)	BP-HZN-2179MDL00664466- BP-HZN-2179MDL00664480
0903	GoM Exploration Wells: MC 252 #1ST00BP01 - Macondo Prospect, 13-5/8" Interval	BP-HZN-2179MDL00375987- BP-HZN-2179MDL00376004
0904	E-Mail - From: Sprague, Jonathan D Sent: Fri May 21 12:19:57 2010 - Subject: 13 5/8 MoC	BP-HZN-2179MDL00670332
0905	E-Mail - From: Mountford, Carl F Sent: Wed Apr 21 14:57:36 2010 - Subject: Re: rig blew up last night in gulf	BP-HZN-2179MDL00413803- BP-HZN-2179MDL00413804
0906	E-Mail - From: Sprague, Jonathan D Sent: Thu Apr 22 05:19:28 2010 - Subject: 12:00 Update	BP-HZN-2179MDL00426933
0907	BP Incident Investigation Team - Notes of Interview with John Sprague - July 7, 2010 at BP Westlake 1 Offices - 1:00pm CDT	BP-HZN-BLY00125462 - BP-HZN-BLY00125462
0908	MC 252 #1 - Macondo Production casing & TA - Forward Planning Decision Tree 4/14/2010	BP-HZN-2179MDL00358546
0909	Vision Statement	BP-HZN-2179MDL00300112- BP-HZN-2179MDL00300123
0910	GOM - D&C, Major Hazard and Risk Management - Leadership Action	BP-HZN-2179MDL00665965- BP-HZN-2179MDL00666037
0911	IMG_1709.jpg MACONDO	
0912	IMG_1722.jpg MACONDO	
0913	IMG_1726.jpg MACONDO	
0914	IMG_1728.jpg MACONDO	
0915	IMG_1729.jpg MACONDO	
0916	Conference Call to Discuss DWH Events	TRN-USCG-MMS-00044377 TRN-MDL-00287334
0917	E-Mail - From: Canducci, Jerry (Houston) Sent: Friday, April 23 2010 4:04 PM - Subject: FW: Pictures of the Deep Water Horizon Going Down	TRN-USCG-MMS-00050230 - TRN-USCG-MMS-00050239 TRN-MDL-00293187- TRN-MDL-00293196
0918	NORTH AMERICA DIVISION - QHSE (diagram)	TRN-MDL-00286537
0919	E-Mail - From: Canducci, Jerry (Houston) Sent: Wednesday, March 10 2010 6:42 PM - Subject: FW: Designated	TRN-MDL-00359569 - TRN-MDL-00359569
0920	NORTH AMERICA DIVISION - Direct Reports (diagram)	TRN-MDL-00286528

Documents, Data and Information Considered

Exhibit No.	Description	Bates Number
0921	E-Mail - From: MacDonald, John Sent: Tuesday, January 13 2009 12:19 AM - Subject: PROGRESS made on AMU Ballast Questionnaire	TRN-HCEC-00100787 - TRN-HCEC-00100792 TRN-MDL-00129825 - TRN-MDL-00129830
0922	E-Mail - From: DWH, MaintSup (Deepwater Horizon) Sent: Wednesday, March 17 2010 8:40 PM - Subject: BP AUDIT/RIG Move	TRN-USCG-MMS-00052024 - TRN-USCG-MMS-00052149 TRN-MDL-00294981 - TRN-MDL-00295106
0923	RIG CONDITION ASSESSMENT - DEEPWATER HORIZON (Prepared for Transocean USA, Inc., Houston, Texas)	TRN-USCG-MMS-00038609 - TRN-USCG-MMS-00038695 TRN-MDL-00038591 - TRN-MDL-00038677
0924	E-Mail - From: Johnson, Paul (Houston) Sent: Thursday, February 25 2010 5:05 PM - Subject: FW: Rig Leadership Engagement-Houma-Mar 29-31	TRN-USCG-MMS-00044238 - TRN-USCG-MMS-00044243 TRN-MDL-00287195 - TRN-MDL-00287200
0925	Transocean - COMPANY MANGEMENT SYSTEM	TRN-USCG-MMS-00032700 - TRN-USCG-MMS-00033035 TRN-MDL-00032700 - TRN-MDL-00033035
0926	Transocean - OPERATIONS ADVISORY - LOSS OF WELL CONTROL UPPER COMPLETION	TRN-USCG-MMS-00043222 - TRN-USCG-MMS-00043225 TRN-MDL-00273897 - TRN-MDL-00273900
0927	Transocean - PERFORMANCE MONITORING AUDIT AND ASSESSMENT PROCEDURES	TRN-USCG-MMS-00039487 - TRN-USCG-MMS-00039568 TRN-MDL-00039463 - TRN-MDL-00039544
0928	E-Mail - From: Little, Ian Sent: Fri Feb 29 19:39:05 2008 - Subject: FW: NAM Safety Expectations	BP-HZN-MBI00044258 - BP-HZN-MBI00044261
0929	Consulting Services - Lloyd's Register EMEA - Aberdeen Energy	TRN-HCEC-00090493 - TRN-HCEC-00090685 TDD006-000505 - TDD006-000697
0930	E-Mail - From: Vidrene, Don J Sent: Thu Mar 25 00:03:36 2010 - Subject: FW: Swab Cooling Water	BP-HZN-OIG00039700 - BP-HZN-OIG00039705
0931	E-Mail - From: Canducci, Jerry (Houston) Sent: Sunday, March 28 2010 8:43 PM - Subject: RE: notification of dropped object	TRN-USCG-MMS-00058052 TRN-MDL-00058052 TDR012-014457
0932	Lloyd's Register Safety Management - System and Safety Culture/Climate - Reviews: Deepwater Horizon	TRN-MDL-00291896 - TRN-MDL-00291907
0933	RMS II Morning Report, Rig: Deepwater Horizon, 19 Apr 2010	TRN-HCEC-00035561 - TRN-HCEC-00035588 TRN-MDL-00077298 - TRN-MDL-00077325
0934	Transocean - QHSE STEERING COMITTEEMEETING MINUTES	TRN-USCG-MMS-00039100 - TRN-USCG-MMS-00039104 TRN-MDL-00039081 - TRN-MDL-00039085
0935	Transocean - CHECKLIST/REPORT	TRN-USCG-MMS-00027217 - TRN-USCG-MMS-00027237 TRN-MDL-00027217 - TRN-MDL-00027237

Documents, Data and Information Considered

Exhibit No.	Description	Bates Number
0936	EXHIBIT "D" - HSSE Requirements	TRN-USCG-MMS-00040873 - TRN-USCG-MMS-00040891 TRN-MDL-00040723 - TRN-MDL-00040741
0937	E-Mail - From: Tulio, Marco (Houston) Sent: Friday, October 30, 2009 2:55 PM - Subject: FW: TRANSOCEAN, INC. - results of HSSE Audit conducted AUGUST 3, 2009	TRN-MDL-00351151 - TRN-MDL-00351151
0938	International Safety Management Code - 2010 Edition	
0939	Transocean - ISM / ISPS MODU HANDBOOK (Revision Date: December 19, 2008)	TRN-USCG-MMS-00033216 - TRN-USCG-MMS-00033281 TRN-MDL-00033216 - TRN-MDL-00033281
0940	Make the Right Move (article)	
0941	Transocean - MMS/USCG RIG Inspection Summary Report Deepwater Horizon	TRN-MDL-00351317 - TRN-MDL-00351322
0942	Transocean - Career Center-North American Offshore Fleet-Current Job Opening-Master	
0943	2009 Annual ISM DOC Audit	TRN-USCG-MMS-00043662 - TRN-USCG-MMS-00043664
0944	Transocean - MARINE COMPLIANCE PROCEDURES (Revision Date: JULY 28, 2010)	TRN-USCG-MMS-00042630 - TRN-USCG-MMS-00042957 TRN-MDL-00273305 - TRN-MDL-00273632
0945	Transocean - QHSE STEERING COMMITTEE MEETING MINUTES (Date: September 7th, 2010)	TRN-MDL-00364450 - TRN-MDL-00364457
0946	E-Mail - From: Canducci, Jerry (Houston) Sent: Wednesday, March 10 2010 6:42 PM - Subject: FW: Designated	TRN-MDL-00359569 - TRN-MDL-00359570
0947	E-Mail - From: Canducci, Jerry (Houston) Sent: Friday, April 30 2010 7:32 PM - Subject: FW: Update Declaration of DPA and CSO - ISM/ISPS Rigs	TRN-MDL-00351629 - TRN-MDL-00351632
0948	HSE Management System Bridging Document	BP-HZN-BLY00076260 - BP-HZN-BLY00076264
0949	E&P Segment - Recommended Practice, Applying Control of Work On Drilling & Completion Operational Sites	BP-HZN-2179MDL00293151 - BP-HZN-2179MDL00293165
0950	Self Assessment Process	BP-HZN-BLY00115468
0951	Improving Control of Work within Drilling & Completions - February 2010	BP-HZN-MBI00109884 - BP-HZN-MBI00109893
0952	Transocean - DEEPWATER DP RIGS SUBSEA WELL CONTROL EQUIPMENT OPERATION MAINTAINENCE AND TESTING	BP-HZN-BLY00165701 - BP-HZN-BLY00165704
0953	DOCUMENT OF COMPLIANCE	TRN-MDL-0000488930 - TRN-MDL-0000488931

Documents, Data and Information Considered

Exhibit No.	Description	Bates Number
0954	Results of BP Gulf of Mexico HSSE Audit conducted on AUGUST 3, 2009	TRN-MDL-0035122
0955	E-Mail - From: Tulio, Marco (Houston) Sent: Friday, October 30, 2009 2:55 PM - Subject: FW: TRANSOCEAN, INC. - results of HSSE Audit conducted AUGUST 3, 2009	TRN-MDL-00351151 - TRN-MDL-00351152
0956	Deepwater Horizon - BP CMID Audit Work list (Rev Date 12-02-09)	TRN-HCEC-00100216 - TRN-HCEC-00100239 TRN-MDL-00129254 - TRN-MDL-00129277
0957	CONTRACTOR HS&E MANAGEMENT SYSTEM ASSESSMENT (COMMON AUDIT PROCESS REPORT)	TRN-MDL-00351153 - TRN-MDL-00351221
0958	E-Mail - From: DWH, ChiefMate (Deepwater Horizon) Sent: Tuesday, December 22 2009 11:59 PM - Subject: HQS-HSE-AL-108 - Service Loop Fire	TRN-HCEC-00064749 - TRN-HCEC-00064750 TRN-MDL-00106486 - TRN-MDL-00106487
0959	E-Mail - From: Canducci, Jerry (Houston) Sent: Monday, April 19 2010 4:54 PM - Subject: FW: Corporate QHSE Incident Review - April 16, 2010	TRN-USCG-MMS-00051850 - TRN-USCG-MMS-00051851 TRN-MDL-00294807 - TRN-MDL-00294808
0960	E-Mail - From: Butler, Gary (Houston) Sent: Tuesday, December 07 2010 10:00 PM - Subject: FW: DWH Station Bill	TRN-MDL-00364219 - TRN-MDL-00364220
0961	CMID ANNEX (BP REQUIREMENTS FOR MODUS) WITH GUIDANCE NOTES	TRN-HCEC-00115556 - TRN-HCEC-00115600 TRN-MDL-00143899 - TRN-MDL-00143943
0971	AMEMDED 30(b)(6) DEPOSITION NOTICE OF HALLIBURTON (WITH 30(b)(5) DOCUMENT REQUESTS)	
0972	E-Mail - From: Durel Bernard Sent: Thursday, May 06 2010 5:11 PM - Subject: RE: Hazardous Contract Review	HAL_0114603 - HAL_0114605
0973	Improved Deepwater Cementing Practices Help Reduce Nonproductive Time	HAL_0131256 - HAL_0131264
0974	E-Mail - From: Paul Anderson Sent: Sun May 09 13:46:26 2010 - Subject: RE: GSI Rental Iron	HAL_0502944
0975	E-Mail - From: Halverson Dory, Kathleen Sent: Thu May 13 12:58:50 2010 - Subject: RE: Review of Cement Programs	HAL_0506486
0976	E-Mail - From: Little, Ian Sent: Thu Jun 25 19:09:52 2009 - Subject: Halliburton Joint Business Plan	BP-HZN-2179MDL00204960 - BP-HZN-2179MDL00204990 BPD133-139970 - BPD133-140000

Documents, Data and Information Considered

Exhibit No.	Description	Bates Number
0977	E-Mail - From: Jeff Miller - Sr. Vice President, Gulf of Mexico Sent: Thursday, February 25 2010 1:36 PM - Subject: FW: GoM Playbook - Cementing	HAL_0047944 - HAL_0047946-6
0978	Tuned Solutions - Foam for Reduced Density Cementing	HAL_0046843 - HAL_0046894
0979	E-Mail - From: Richard Vargo Sent: Mon May 24 15:16:56 2010 - Subject: RE: Top Kill Modeling Support Update	HAL_0507633 - HAL_0507634
0980	E-Mail - From: Clayton Dupree Sent: Thu Apr 08 10:20:30 2010 - Subject: RE: Foam Jobs	HAL_0503788 - HAL_05037883
0981	Section 7 - Health, Safety, Security, and Environment	BP-HZN-MBI00022675 - BP-HZN-MBI00022700
0982	HALLIBURTON - BP Deepwater Horizon Primary Investigation: Preliminary Insights	
0983	Deepwater Primary Cementing: Behind the Shallow Water Flows	HAL_0045340 - HAL_0045449
0984	Cement Lab Weigh-Up Sheet, Apr 13, 2010 - Req/Slurry: US-73909/1	HAL_DOJ_0000035 - HAL_DOJ_0000043
0985	HALLIBURTON - Recorded at Sperry's unit (Pressure, Stage Slurry Volume): Rig Displacement	HAL_0125646 - HAL_0125646
0986	Chief Counsel's Report_2011: National Commission on the BP Deepwater Horizon Oil Spill and Offshore Drilling	
0987	E-Mail - From: Morel, Brian P Sent: Sat Apr 17 19:27:09 2010 - Subject: FW: Lab Tests	BP-HZN-2179MDL00315248
0988	Resume of Richard F. Vargo, Jr.	HAL_0507151 - HAL_0507154
0989	US Land Off-Shore Cementing Work Methods (April 2010)	HAL_0116541 - HAL_0116892
0990	E-Mail - From: Timothy Quirk Sent: Sun Jun 13 14:06:08 2010 - Subject: Fw: Updated cement slurry testing protocol	HAL_0504683 - HAL_0504698
0991	HALLIBURTON CO (HAL) - 10-K Annual report pursuant to section 13 and 15(d) [Filed on: 2/17/2011] {File Period: 12/31/2010}	
0992	HALLIBURTON - Cementing Best Practices	HAL_0507148 - HAL_0507150
0993	NOTICE OF 30(b)(6) DEPOSITION OF KONGSBERG MARITIME, INC. PURSUANT TO THE FEDERAL RULES OF CIVIL PROCEDURE - Video Deposition of Kongsberg, Maritime, Inc. on Monday, April 4th, 2011	
0994	Dynamic Positioning Committee of the MTS	
0995	Purchase Order	KMI-MDL-001287

Documents, Data and Information Considered

Exhibit No.	Description	Bates Number
0996	Kongsberg Simrad - QUOTATION NO. 1452-7, R&B Falcon, Project RBS8D	KMI-MDL-001288 - KMI-MDL-001350
0997	E-Mail - To: Hans Alan Pedersen cc: Joytika Schouwenaars Subject: RBS-8D / Request for ESD Philosophy : Q272-1027-1	KMI-MDL-002090 - KMI-MDL-002091
0998	Safety Design Philosophy - RBS8D Project - "Deepwater Horizon"	KMI-MDL-000645 - KMI-MDL-000663
0999	Kongsberg Simrad - <i>SERVICE REPORT</i>	KMI-MDL-018781
1100	Transocean SedcoForex - ENGINEERING RECCOMENDATION - Deepwater Horizon, Engine Room Ventilation Controls	KMI-MDL-019864 - KMI-MDL-019864
1101	RBS8D Safety Systems: Functional Design Specification - Emergency ShutDown System	KMI-MDL-001094 - KMI-MDL-001143
1102	Safety Philosophy - ESD, PSD & F&G - AIM Safe	KMI-MDL-002602- KMI-MDL-002647
1103	KONGSBERG MARITIME, INC.'S ("KMI") RESPONSE TO INFORMATION REQUEST BY REPUBLIC OF MARSHALL ISLANDS	KMI-MDL-021669 - KMI-MDL-021693
1104	RBS8D VESSEL FIRE & GAS I/O LIST	KMI-MDL-002780 - KMI-MDL-002817
1105	Cause & Effect Matrix	KMI-MDL-021551 - KMI-MDL-021609
1106	ESD & F&G - Safety Images - Deepwater Horizon	KMI-MDL-010010 - KMI-MDL-010096 & KMI-MDL-000827
1107	USER MANUAL - Kongsberg Simrad, ESD & F&G Matrix (Deepwater Horizon)	KMI-MDL-003884 - KMI-MDL-003919
1108	Kongsberg - Quotation, PQ-010333 - 3 / 05-05-2009: D&P Navigation, SVS/SSS Mid-Life Upgrade	KMI-MDL-001776 - KMI-MDL-001833
1109	Kongsberg - Overview Kongsberg Maritime Safety system (ESD and F&G)	KMI-MDL-001249 - KMI-MDL-001264
1110	ESD Deepwater Horizon - Operator Manual	KMI-MDL-000664 - KMI-MDL-000698
1111	Fire & Gas - Deepwater Horizon - Operator Manual	KMI-MDL-000669 - KMI-MDL-000739
1112	Integrated Automated & Control System - R&B Falcon RBS8D Deepwater Horizon - FUNCTIONAL DESIGN SPECIFICATION	KMI-MDL-000885 - KMI-MDL-001093
1113	AIM Safe: The complete Safety solution	KMI-MDL-002337 - KMI-MDL-002356
1114	Module Tools	KMI-MDL-000481 - KMI-MDL-000500
1115	Safety System	KMI-MDL-001542 - KMI-MDL-001566
1116	Kongsberg - SERVICE REPORT WORK DECRIPTION	
1117	Letter to Kongsberg Simrad Inc. (dated April 27, 1999)	KMI-MDL-001265 - KMI-MDL-001286
1118	Safety System Design Philosophy - RBS8D Project "Deepwater Horizon"	TRN-HCEC-00027279 - TRN-HCEC-00027295 TRN-MDL-00069016 - TRN-MDL-00069032

Documents, Data and Information Considered

Exhibit No.	Description	Bates Number
1119	NAVIGATION AND VESSEL INSPECTION CIRCULAR NO. 2-89	
1120	Transocean - Training History List Profile	TRN-USCG-MMS-00023933 - TRN-USCG-MMS-00023934 TRN-MDL-00023807 - TRN-MDL-00023808
1121	Dynamic Positioning Conference, October 9-10, 2007 - Training Session: The DP Power Simulator Training Concept	KMI-MDL-009896 - KMI-MDL-009900
1122	Transocean - Student/Course Spreadsheet	KMI-MDL-021610 - KMI-MDL-021668
1123	SSS - Basic Operator Course: F&G Drilling	KMI-MDL-009965 - KMI-MDL-010009
1124	Confidential Chart (Chain of Command)	BP-HZN-2179MDL00281872 & BP-HZN-2179MDL00281870
1125	E-Mail - From: Guide, John Sent: Sat Mar 27 17:30:40 2010 - Subject: RE: Sims Handover and Delegation	BP-HZN-2179MDL00298017
1126	E-Mail - From: Sims, David C Sent: Sun Mar 14 04:53:00 2010 - Subject: RE: call	BP-HZN-2179MDL00286815 - BP-HZN-2179MDL00286816
1127	E-Mail - To: Guide Subject: RE: call	BP-HZN-MBI00222540 - BP-HZN-MBI00222541
1128	E-Mail - From: Corser, Kent Sent: Tue Jun 22 21:33:30 2010 - Subject: FW: John Guide Email Capture	BP-HZN-BLY00097030 - BP-HZN-BLY00097033 BP-HZN-BLY0006943 & BP-HZN-BLY00069435
1129	E-Mail - From: Guide, John Sent: Thu Apr 15 02:48:20 2010 - Subject: Re: Meeting	BP-HZN-2179MDL00311590
1130	E-Mail - From: Guide, John Sent: Mon Apr 26 01:03:49 2010 - Subject: Tomorrow	BP-HZN-2179MDL00443866
1131	E-Mail - From: Bodek, Robert [robert.bodek@bp.com] Sent: Thursday, April 15, 2010 2:19 PM - Subject: Evaluation complete at macondo	DWRM0000184 BP-HZN-MBI00126345 - BP-HZN-MBI00126346
1132	E-Mail - From: Morel, Brian P Sent: Thu Mar 18 14:32:36 2010 - Subject: Macondo - Updated PP/FG and Mud Schedule	BP-HZN-MBI00112983
1133	E-Mail - From: Hafle, Mark E Sent: Sun Mar 14 14:16:19 2010 - Subject: RE: FIT or LOT for Bypass	BP-HZN-MBI00110676
1134	Drilling & Completions MOC Initiate (date initiated 4/15/2010)	BP-HZN-2179MDL00081508 - BP-HZN-2179MDL00081510
1135	E-Mail - From: Hafle, Mark E Sent: Sun Mar 07 14:15:32 2010 - Subject: RE: Liner	BP-HZN-MBI00109037
1136	E-Mail - From: Paine, Kate (QuaDril Energy LT) Sent: Fri Mar 19 01:44:47 2010 - Subject: RE: Lesson Learned - Plan Forward: Macondo	BP-HZN-2179MDL00025882 - BP-HZN-2179MDL00025884

Documents, Data and Information Considered

Exhibit No.	Description	Bates Number
1137	E-Mail - From: Sims, David C Sent: Thu Feb 18 14:13:18 2010 - Subject: RE: Thursday AM update	BP-HZN-2179MDL00242090 - BP-HZN-2179MDL00242091
1138	E-Mail - From: Walz, Gregory S Sent: Sun Feb 21 00:44:14 2010 - Subject: RE: Days vs. Depth Plots	BP-HZN-MBI00104255- BP-HZN-MBI00104256
1139	E-Mail - From: Sims, David C Sent: Sun Mar 07 20:39:57 2010 - Subject: FW: Burns	BP-HZN-MBI00109048 - BP-HZN-MBI00109049
1140	E-Mail - From: Coteles, Brett W Sent: Thu Mar 11 15:41:40 2010 - Subject: RE:	BP-HZN-MBI00109949
1141	E-Mail - From: Hafle, Mark E Sent: Fri Mar 12 23:12:24 2010 - Subject: RE: Where's Mark?	BP-HZN-2179MDL00243691
1142	E-Mail - From: Vinson, Graham (Pinky) Sent: Wed Mar 10 15:08:58 2010 - Subject: Macondo	BP-HZN-2179MDL00834528
1143	E-Mail - From: Sims, David C Sent: Wed Mar 10 20:39:57 2010 - Subject: RE: Macondo	BP-HZN-2179MDL00852514
1144	E-Mail - From: Guide, John [john.guide@bp.com] Sent: Sat 4/17/2010 3:14:11 PM - Subject: RE: Discussion - The way we work with engineering	BP-HZN-BLY00120105 - BP-HZN-BLY00120106
1145		***Not Provided to Court Reporter***
1146	E-Mail - From: Sims, David C Sent: Mon Apr 19 21:44:15 2010 - Subject: RE: MMS SOO Request for Kaskida - Horizon Rig	BP-HZN-2179MDL00003007 - BP-HZN-2179MDL0000300712
1147	E-Mail - From: Bellow, Jonathan M Sent: Sun Dec 06 16:01:51 2009 - Subject: RE: Q - Tip	BP-HZN-MBI00077768 - BP-HZN-MBI00077769
1148	E-Mail - From: Sims, David C Sent: Sun Mar 14 15:31:04 2010 - Subject: Re: Next Week	BP-HZN-2179MDL0028688
1149	E-Mail - From: Hafle, Mark E Sent: Mon Mar 15 03:07:10 2010 - Subject: RE: IMPORTANT: Enforced Change for BP1Password Users	BP-HZN-2179MDL0028710
1150	E-Mail - From: Guide, John Sent: Tue Apr 13 01:06:46 2010 - Subject: Tomorrow	BP-HZN-2179MDL00309921
1151	E-Mail - From: Guide, John Sent: Fri Apr 16 12:33:01 2010 - Subject: RE: Meeting	BP-HZN-2179MDL00312926
1152	bp - King South Drilling Program - Section 6-13 3/8-in Intermediate Casing Interval (MC129 #3, D-8/ OCS-G10977	BP-HZN-2179MDL00824654 - BP-HZN-2179MDL00824667
1153	BP America GoMX Deepwater Drilling MC 562 #1 Drilling Program for 14-3/4" By-Pass	BP-HZN-MBI00034127 - BP-HZN-MBI00034143
1154	Transcription of Brian Morel interview notes - commenced 1040 hrs 27-Apr 2010	BP-HZN-MBI00021304 - BP-HZN-MBI00021343
1155	The transcript of The Joint United States Coast Guard/The Bureau of Ocean Energy Management - 07/22/10	

Documents, Data and Information Considered

Exhibit No.	Description	Bates Number
1156	GoM Exploration Wells: MC 252 #1 BP01 - Macondo Prospect, 11-7/8" Liner Interval	BP-HZN-MBI00113245 - BP-HZN-MBI00113264
1157	GoM Exploration Wells: MC 252 #1 BP01 - Macondo Prospect, 9-7/8" Casing Interval	BP-HZN-MBI00100386 - BP-HZN-MBI00100402
1269	E-Mail - From: Danny Nicolini Sent: Thu Jun 17 11:48:52 2010 - Subject: RE: Well Control	HAL_0509770 - HAL_0509772
1270	Photograph	HAL_0073870
1271	FE BOX - 6'L x 3'W x 5'H (Photograph)	HAL_0073871
1272	Photograph	HAL_0073872
1273	Photograph	HAL_0073877
1274	E-Mail - From: Gray, Kelly S Sent: Wed Jan 20 08:49:52 2010 - Subject: Requested Flowback Profiles (Lost Returns) from 18_19Dec09	BP-HZN-2179MDL00814275 - BP-HZN-2179MDL00814294
1275	BP - OCSG-32306 Macondo Prospect Daily Operations Report (Date 17-Feb-10)	HAL_0216167
1276	BP - OCSG-32306 Macondo Prospect Daily Operations Report (Date 18-Feb-10)	HAL_0386687
1277	BP - OCSG-32306 Macondo Prospect Daily Operations Report (Date 19-Feb-10)	HAL_0201162
1278	BP - OCSG-32306 Macondo Prospect Daily Operations Report (Date 20-Feb-10)	HAL_0298402
1279	BP - OCSG-32306 Macondo Prospect Daily Operations Report (Date 23-Feb-10)	HAL_0428587
1280	BP - OCSG-32306 Macondo Prospect Daily Operations Report (Date 7-Apr-10)	HAL_0454326
1281	BP - OCSG-32306 Macondo Prospect Daily Operations Report (Date 11-Apr-10)	HAL_0207190
1282	BP - OCSG-32306 Macondo Prospect Daily Operations Report (Date 13-Apr-10)	HAL_0491533
1283	BP - OCSG-32306 Macondo Prospect Daily Operations Report (Date 14-Apr-10, 14:00:00 AM)	HAL_0197895
1284	BP - OCSG-32306 Macondo Prospect Daily Operations Report (Date 14-Apr-10, 3:30:00 PM)	HAL_0406968
1285	BP - OCSG-32306 Macondo Prospect Daily Operations Report (Date 16-Apr-10)	HAL_0406252
1286	BP FIELD SHIPPING MANIFEST - ISO TUBE SAMPLES	HAL_0216353
1287	BP FIELD SHIPPING MANIFEST - ANADARKO ONLY WET	HAL_0213630
1288	E-Mail - From: Gray, Kelly S Sent: Sun Apr 11 03:09:08 2010 - Subject: EOW Sample shipment Macondo MC 252 No 1 Cargo Box 335	BP-HZN-2179MDL00039864 - BP-HZN-2179MDL00039865

Documents, Data and Information Considered

Exhibit No.	Description	Bates Number
1289	HALLIBURTON - SDL Morning Report (18-Feb-10)	HAL_0201155
1290	HALLIBURTON - SDL Morning Report (20-Feb-10)	HAL_0203481
1291	HALLIBURTON - SDL Morning Report (22-Feb-10)	HAL_0448597
1292	HALLIBURTON - SDL Morning Report (23-Feb-10)	HAL_0350447
1293	HALLIBURTON - SDL Morning Report (27-Feb-10)	HAL_0202164
1294	HALLIBURTON - SDL Morning Report (3-Mar-10)	HAL_0400852
1295	HALLIBURTON - SDL Morning Report (4-Mar-10)	HAL_0305758
1296	HALLIBURTON - SDL Morning Report (1-Apr-10)	HAL_0207130
1297	HALLIBURTON - SDL Morning Report (20-Apr-10)	HAL_0358848
1298	HALLIBURTON - SDL Morning Report (11-Mar-10)	HAL_0204756
1299	HALLIBURTON - SDL Morning Report (25-Mar-10)	HAL_0199753
1301	ModuSpec - Daily Report (Date: 01 April 2010)	MODUSI 01 0 000862 - MODUSI 01 0 000871
1302	4.8 Riser/BP & Well Control Equipment	MODUSI 01 0 000367 - MODUSI 01 0 000379
1303	Excerpt of Event Spreadsheet	MODUSA 000282
1304	Communication Transcription	MODUSA 000493 - MODUSA 000494
1305	Transocean - Maintenance Department: Deepwater Horizon Rig Hardware Assessment, Rig Condition Scorecard	MODUSI 01 0 000326 - MODUSI 01 0 000333
1306	Cameron CERTIFICATION OF COMPLIANCE	CAM-CIV 0013074
1307	WESTLAW - Code of Federal Regulations <u>Correctness</u>	
1308	E-Mail - From: Bodek, Robert Sent: Mon Jan 25 19:33:36 2010 - Subject: RE: Monday status	BP-HZN-2179MDL00893578
1309	E-Mail - From: Bodek, Robert Sent: Thu Nov 19 18:51:28 2009 - Subject: RE: Would you recommend Kate Paine or Jorge Viera	BP-HZN-2179MDL00891598 - BP-HZN-2179MDL00891599
1310	E-Mail - From: Hafle, Mark E Sent: Thu Mar 11 22:58:22 2010 - Subject: RE: Out of control	BP-HZN-MBI 00110148
1311	E-Mail - From: Morel, Brian P Sent: Tue Mar 23 12:04:27 2010 - Subject: RE: Open hole lot?	BP-HZN-MBI 00114048
1312	BP - Pre-Drill Data Package: OCS-G32306 No. 1, 60-817-411690000, Mississippi Canyon Block 252	BP-HZN-2179MDL00351800 - BP-HZN-2179MDL00351838
1313	National Commission on the BP Deepwater Horizon Oil Spill and Offshore Drilling - Pore Pressure and Fracture Gradients	
1314	E-Mail - From: Paine, Kate (QuaDril Energy LT) Sent: Tue Sep 08 16:53:33 2009 - Subject: PP monitoring on the Marianas	BP-HZN-2179MDL00891636
1315	Chief Counsel's Report - Chapter 4.2: Well Design, Page 59	

Documents, Data and Information Considered

Exhibit No.	Description	Bates Number
1316	E-Mail - From: Bodek, Robert Sent: Sat Oct 10 10:53:08 2009 - Subject: RE: Stalling on the Macondo morning report	BP-HZN-2179MDL00894793
1317	E-Mail - From: Albertin, Martin L. Sent: Wed Oct 21 20:43:35 2009 - Subject: RE: Macondo well flow event	BP-HZN-2179MDL00884793 - BP-HZN-2179MDL00884794
1318	E-Mail - From: Paine, Kate (QuaDril Energy LT) Sent: Thu Oct 22 13:21:01 2009 - Subject: RE: Macondo LOT	BP-HZN-2179MDL00888535 - BP-HZN-2179MDL00888536 BP-HZN-2179MDL00889304
1319	E-Mail - From: Paine, Kate (QuaDril Energy LT) Sent: Thu Oct 22 22:06:35 2009 - Subject: RE: Alberty email	BP-HZN-2179MDL00895195 - BP-HZN-2179MDL00895196
1320	bp - DAILY GEOLOGICAL REPORT	BP-HZN-MBI00140816 - BP-HZN-MBI00140820
1321	E-Mail - From: Bodek, Robert Sent: Tue Mar 09 05:10:27 2010 - Subject: FW: Macondo kick	BP-HZN-2179MDL00028746 - BP-HZN-2179MDL00028747
1322	E-Mail - From: Paine, Kate (QuaDril Energy LT) Sent: Tue Mar 09 10:15:44 2010 - Subject: PP Report Macondo 13305 MD	BP-HZN-MBI 00109564 - BP-HZN-MBI 00109567
1323	E-Mail - From: Bodek, Robert Sent: Thu Mar 18 16:11:47 2010 - Subject: Lesson learned - Plan forward: Macondo	BP-HZN-2179MDL00040392 - BP-HZN-2179MDL00040396
1324	E-Mail - From: Morel, Brian P Sent: Thu Mar 18 23:26:15 2010 - Subject: MW Increase	BP-HZN-MBI 00113109
1325	E-Mail - From: Lacy, Stuart C (QO Inc.) Sent: Fri Mar 12 19:20:11 2010 - Subject: RE: Some Thoughts and Help Requested, PP detection, Macando	BP-HZN-2179MDL00010256 - BP-HZN-2179MDL00010257
1326	E-Mail - From: Paine, Kate (QuaDril Energy LT) Sent: Fri Mar 19 04:44:47 2010 - Subject: RE: Lesson learned - Plan forward: Macondo	BP-HZN-2179MDL00025882 - BP-HZN-2179MDL00025884
1327	BP's RESPONSE TO REQUEST FOR SAFETY EXAMPLES	BP-HZN-2179MDL00972796 - BP-HZN-2179MDL00972800 BP-HZN-2179MDL00973520 - BP-HZN-2179MDL00973521
1328	Gulf of Mexico SPU - Recommended Practice for Cement Design and Operations in DW GoM	BP-HZN-2179MDL00347509 - BP-HZN-2179MDL00347550 BPD008-007864 - BPD008-007905
1329	E-Mail - From: Paine, Kate (QuaDril Energy LT) Sent: Fri Mar 19 20:47:01 2010 - Subject: RE: 11-7/8" Procedure	BP-HZN-2179MDL00290043 - BP-HZN-2179MDL00290045
1330	Gulf of Mexico SPU - Technical Memorandum	BP-HZN-BLY00164099 - BP-HZN-BLY00164136

Documents, Data and Information Considered

Exhibit No.	Description	Bates Number
1331	bp - DAILY PPFPG REPORT	BP-HZN-MBI00104053 - BP-HZN-MBI00104055 BPD107_192454 - BPD107_206456
1332	bp - DAILY GEOLOGICAL REPORT	
1333	bp - DAILY PPFPG REPORT	BP-HZN-MBI00073292 - BP-HZN-MBI00073292
1334	bp - DAILY PPFPG REPORT	BP-HZN-MBI00073421 - BP-HZN-MBI00073422
1335	bp - DAILY PPFPG REPORT	BP-HZN-MBI00074995 - BP-HZN-MBI00074997
1336	Application for Revised New Well	
1337	bp - MC 252 #1 (Macondo): 18 1/8" x 22" hole-section review (18" CSG section)	BP-HZN-MBI00099622 - BP-HZN-MBI00099632
1338	E-Mail - From: Fleece, Trent J Sent: Mon Feb 15 22:23:59 2010 - Subject: FW: LOT	BP-HZN-OIG00032431
1339	Application for Bypass	
1340	E-Mail - From: Paine, Kate (QuaDril Energy LT) Sent: Thu Mar 18 02:58:27 2010 - Subject: RE: Time drilling	BP-HZN-2179MDL00890265 BPD148_013954
1341	E-Mail - From: Hafle, Mark E Sent: Thu Mar 18 23:12:40 2010 - Subject: Re: PP at TD	BP-HZN-MBI000113108 BPD107_201509
1342	E-Mail - From: Bodek, Robert Sent: Mon Mar 29 16:18:01 2010 - Subject: RE: Macondo bp1 Mar 29 model	BP-HZN-MBI000116545 - BP-HZN-MBI000116546 BPD107_204956 - BPD107_204957
1343	E-Mail - From: Albertin, Martin L. Sent: Fri Apr 02 16:34:40 2010 - Subject: RE: Macondo 9-78 LOT FIT Worksheet .xls	BP-HZN-2179MDL00006046 BPD109_006046
1344	bp - DAILY PPFPG REPORT	BP-HZN-MBI00117997 - BP-HZN-MBI00117998
1345	E-Mail - From: Vinson, Graham (Pinky) Sent: Fri Apr 02 23:47:49 2010 - Subject: Re: PP Update Macondo BP01 17321 MD	BP-HZN-2179MDL00015170 - BP-HZN-2179MDL00015171 BPD109-015170 - BPD109-015171
1346	E-Mail - From: Paine, Kate (QuaDril Energy LT) Sent: Fri Mar 19 05:06:26 2010 - Subject: FW: Some Thoughts and Help Requested, PP detection, Macando	BP-HZN-2179MDL0000563 - BP-HZN-2179MDL0000563
1347	E-Mail - From: Paine, Kate (QuaDril Energy LT) Sent: Mon Mar 08 10:49:10 2010 - Subject: Macondo PP model Mar 8	BP-HZN-2179MDL0002107
1348	E-Mail - From: Paine, Kate (QuaDril Energy LT) Sent: Tue Feb 16 11:00:48 2010 - Subject: PP Report Macondo 11010MD	BP-HZN-MBI00103113

Documents, Data and Information Considered

Exhibit No.	Description	Bates Number
1349	E-Mail - From: Paine, Kate (QuaDril Energy LT) Sent: Wed Feb 17 10:45:22 2010 - Subject: PP Report Macondo 11887MD	BP-HZN-MBI00103882
1350	E-Mail - From: Paine, Kate (QuaDril Energy LT) Sent: Tue Mar 09 08:11:57 2010 - Subject: RE: Macondo kick	BP-HZN-2179MDL00044464 - BP-HZN-2179MDL00044466
1351	List of Issues	TRN-MDL-00406377 - TRN-MDL-00406380
1352	Preventative Maintenance of Cameron Blowout Preventers (BOP's)	CAM-DOI 000000249 - CAM-DOI 000000250
1353	MACONDO: <i>THE GULF OIL DISASTER</i> - Chief Counsel's Report 2011	
1354	Macondo As I See It	TRN-MDL-00688525 - TRN-MDL-00688542
1355	E-Mail - From: Winslow, Daun (Houston) Sent: Friday, May 14, 2010 4:54 PM - Subject: FW: Negative test Procedure	TRN-MDL-00546475 - TRN-MDL-00546476
1356	DRILLING CONTRACT - RBS-8D SEMISUBMERSIBLE DRILLING UNIT, VASTAR RESOURCES, INC. AND R&B DRILLING CO.	BP-HZN-2179MDL00259139- BP-HZN-2179MDL00259159
1357	E-Mail - From: Shackelford, Tom (Houston) Sent: Saturday, October 31, 2009 3:52 AM - Subject: Re: Marianas	TRN-MDL-00541805
1358	E-Mail - From: Winslow, Daun (Houston) Sent: Friday, April 03, 2009 3:22 AM - Subject: RE: Horizon Plan forward	TRN-MDL-00542932 - TRN-MDL-00542936
1359	E-Mail - From: Shackelford, Tom (Houston) Sent: Friday, October 30, 2009 10:46 PM - Subject: RE: Shear Ram Issues	TRN-MDL-00541813 - TRN-MDL-00541815
1360	Transocean - CHANGE PROPOSAL (Date: 4/12/09)	BP-HZN-BLY00052571 - BP-HZN-BLY00052578
1361	E-Mail - From: Guide, John Sent: Thu Apr 15 02:48:20 2010 - Subject: Re: Meeting	BP-HZN-MBI00253828
1362	E-Mail - From: Sims, David C Sent: Thu Apr 15 21:21:21 2010 - Subject: RE: Meeting	BP-HZN-MBI00254858
1363	E-Mail - From: Guide, John Sent: Thu Mar 18 14:26:23 2010 - Subject: Q's for if we run out of conversation at lunch...	BP-HZN-2179MDL00289284
1364	E-Mail - To: Guide, John - Subject: RE: call	BP-HZN-MBI00222540 - BP-HZN-MBI00222541
1365	E-Mail - From: Bodek, Robert Sent: Tue Apr 13 13:43:50 2010 - Subject: RE: Macondo TD	BP-HZN-MBI00126338
1366	E-Mail - From: Beirne, Michael Sent: Monday, April 12, 2010 5:29 PM - Subject: Macondo TD	BP-HZN-MBI00126339

Documents, Data and Information Considered

Exhibit No.	Description	Bates Number
1367	E-Mail - From: Cocalles, Brett W Sent: Fri Apr 16 21:14:54 2010 - Subject: RE: Macondo STK geodetic	BP-HZN-MBI00128383 - BP-HZN-MBI00128385 BPD107_216784 - BPD107_216786
1368	Vendor Spreadsheet	BP-HZN-MBI00199034 - BP-HZN-MBI00199035 BPD113_134044 - BPD113_134045
1369	E-Mail - From: Cunningham, Erick Sent: Thu Mar 11 23:16:49 2010 - Subject: RE: 16.4 ppg Plug Test	BP-HZN-2179MDL00697941 - BP-HZN-2179MDL00697944 BPD140_010493 - BPD140_010496
1370	bp - GoM Exploration Wells: MC 252 #1ST00BP01 - Macondo Prospect, Subsurface Information	BP-HZN-2179MDL00370114 - BP-HZN-2179MDL00370122 BPD008_030469 - BPD008_030477
1371	Annual Individual Performance Assessment - Name: Brett Cocalles	BP-HZN-2179MDL00470609 - BP-HZN-2179MDL00470613
1372	E-Mail - From: Cocalles, Brett Sent: Tuesday, October 06, 2009 4:53 PM - Subject: Audit Report Documents - DWH Sept 2009	1097200186 - 1097200248
1373	Deepwater Horizon Follow Up Rig Audit, Marine Assurance Audit and Out of Service Period September 2009	1097200307
1374	E-Mail - From: Guide, John Sent: Thursday, September 17, 2009 3:07 PM - Subject: FW: Deepwater Horizon Rig Audit	263302905
1375	E-Mail - From: DWH, OIM (Deepwater Horizon) Sent: Thursday, September 17 2009 9:38 PM - Subject: FW: Deepwater Horizon Rig Audit	1239901078
1376	Drilling and Well Operations Practice - E&P Defined Operating Practice	BP-HZN-BLY00163802 - BP-HZN-BLY00408043
1377	E-Mail - From: Guide, John Sent: Tue Oct 06 11:08:44 2009 - Subject: FW: Updated audit tracking sheet for DW Horizon	BP-HZN-2179MDL00381374
1378	E-Mail - From: Cocalles, Brett Sent: Wednesday, October 14, 2009 6:16 PM	1240001450
1379	E-Mail - From: DWH, MaintSup (Deepwater Horizon) Sent: Wednesday, October 21, 2009 2:16 AM - Subject: FW: Results from visit to Deepwater Horizon	1196100452
1380	E-Mail - From: Johnson, Paul (Houston) Sent: Wednesday, November 18, 2009 4:29 PM - Subject: FW: Updated BP audits	OI378705559
1381	Spreadsheets	

Documents, Data and Information Considered

Exhibit No.	Description	Bates Number
1382	E-Mail - From: Johnson, Paul (Houston) Sent: Wednesday, January 20, 2010 5:18 PM - Subject: FW: Updated audit	OI391811590
1383	E-Mail - From: Johnson, Paul (Houston) Sent: Mon Feb 22 20:49:28 2010 - Subject: FW: Audits Reviewed and Updated	
1384	E-Mail - From: Rodriguez, Angel Sent: Mon Feb 22 21:14:57 2010 - Subject: RE: Audits Reviewed and Updated	BP-HZN-2179MDL00028728
1385	E-Mail - From: Rodriguez, Angel [angel.rodriguez@bp.com] Sent: Tuesday, March 30 2010 1:10 AM - Subject: Deepwater Horizon's Rig Audit close out report status	320901415
1386	Macondo #1 - 9 7/8" X 7" PRODUCTION CASING DESIGN REPORT - For: Brian Morel Date: April 18, 2010	HAL_0010988 - HAL_0011020
1387	Drilling & Completions MOC Initiate (date initiated 4/15/2010)	BP-HZN-MBI00143292 - BP-HZN-MBI00143294
1388	Macondo #1 - 9 7/8" X 7" PRODUCTION CASING DESIGN REPORT - For: Brian Morel Date: April 15, 2010	HAL_0010699 - HAL_0010720 HAL_0117330 - HAL_0117351
1389	December 2002 - Cementing in hostile environments: Guidelines for obtaining isolation in demanding wells:	BP-HZN-BLY00111338 - BP-HZN-BLY00111434
1390	E-Mail - From: Morel, Brian P Sent: Sun Apr 18 13:42:56 2010 - Subject: RE: Lab Tests	BP-HZN-MBI00128655 - BP-HZN-MBI00128657
1391	E-Mail - From: Jesse Gagliano Sent: Thu Apr 15 20:35:05 2010 - Subject: OptiCem Report	BP-HZN-2179MDL00249820 - BP-HZN-2179MDL00249843
1392	E-Mail - From: Cocalles, Brett W Sent: Thu Mar 04 16:53:48 2010 - Subject: RE:	BP-HZN-2179MDL00280769
1393	E-Mail - From: Morel, Brian P Sent: Mon Mar 08 22:01:12 2010 - Subject: RE: Cement Model	BP-HZN-CEC021825 - BP-HZN-CEC021826
1394	E-Mail - From: Morel, Brian P Sent: Mon Mar 08 20:35:15 2010 - Subject: RE: Cement Model	BP-HZN-2179MDL00282833 - BP-HZN-2179MDL00282835
1395	E-Mail - From: Morel, Brian P Sent: Sun Apr 18 23:51:28 2010 - Subject: RE: Retarder concentration	BP-HZN-MBI00128702
1396	E-Mail - From: Cocalles, Brett W Sent: Sun Apr 18 15:25:06 2010 - Subject: RE: Lab Tests	BP-HZN-2179MDL00315411 - BP-HZN-2179MDL00315411
1397	E-Mail - From: Guide, John Sent: Thu Apr 15 17:23:50 2010 - Subject: RE: Stuff for Paul (TOI)	BP-HZN-MBI00254566
1398	E-Mail - From: Guide, John Sent: Thu Apr 15 17:31:38 2010 - Subject: Nile	BP-HZN-MBI00254569
1399	***No Document(s) Introduced/Marked***	***NOT INTRODUCED***

Documents, Data and Information Considered

Exhibit No.	Description	Bates Number
1400	Transocean Deepwater Horizon - Morning Report (dated 10-Mar-2010)	TRN-MDL-00466840 - TRN-MDL-00466843
1401	Daily Drilling Report (dated 11-Mar-2010)	TRN-USCG-MMS-00026189 - TRN-USCG-MMS-000261891 TRN-MDL-00026189 - TRN-MDL-00026191
1402	E-Mail - From: Albertin, Martin L. Sent: Tue Mar 09 07:11:31 2010 - Subject: RE: Macondo kick	BP-HZN-2179MDL00005606 - BP-HZN-2179MDL00005607
1403	E-Mail - From: Johnson, Paul (Houston) Sent: Fri Mar 12 16:11:51 2010 - Subject: FW: Some Thoughts and Help Requested, PP detection, Macando	BP-HZN-2179MDL00004927 - BP-HZN-2179MDL00004928
1404	E-Mail - From: Bellow, Jonathan M Sent: Mon Mar 15 14:29:57 2010 - Subject: FW: Some Thoughts and Help Requested, PP detection, Macando	BP-HZN-2179MDL00044180 - BP-HZN-2179MDL00044182
1405	E-Mail - From: Bellow, Jonathan M Sent: Mon Mar 15 14:30:20 2010 - Subject: FW: Some Thoughts and Help Requested, PP detection, Macando	BP-HZN-2179MDL00032990- BP-HZN-2179MDL00032991
1406	E-Mail - From: Bodek, Robert Sent: Tue Mar 16 19:13:30 2010 - Subject: For your review...	BP-HZN-2179MDL00006076 - BP-HZN-2179MDL00006078
1407	E-Mail - From: LeBleu, John Sent: Tue May 04 18:28:39 2010 - Subject: Macondo Information	BP-HZN-2179MDL00762245 - BP-HZN-2179MDL00762253
1408	Daily Operations Report - Partners (Drilling) {10/29/2009}	BP-HZN-MBI00192232 - BP-HZN-MBI00192236
1409	Daily Operations Report - Partners (Drilling) {02/17/2010}	BP-HZN-MBI00192020 - BP-HZN-MBI00192026
1410	Daily Drilling Report (dated 03-Mar-2010)	BP-HZN-JUD000154 - BP-HZN-JUD000156
1411	Daily Drilling Report (dated 04-Mar-2010)	BP-HZN-JUD000162 - BP-HZN-JUD000164
1412	Daily Drilling Report (dated 05-Mar-2010)	BP-HZN-CEC-019059 - BP-HZN-CEC-019062
1413	Daily Operations Report - Partners (Drilling) {04/04/2010}	BP-HZN-MBI00191770 - BP-HZN-MBI00191775
1414	E-Mail - From: Bodek, Robert Sent: Tue Apr 06 15:26:40 2010 - Subject: RE: Good morning!	BP-HZN-2179MDL00895056 - BP-HZN-2179MDL00895060
1415	Daily Operations Report - Partners (Drilling) {10/23/2009}	BP-HZN-MBI00192268 - BP-HZN-MBI00192268
1416	Daily Operations Report - Partners (Drilling) {10/24/2009}	BP-HZN-MBI00192263 - BP-HZN-MBI00192267
1417	E-Mail - From: Bodek, Robert Sent: Fri Feb 12 20:28:43 2010 - Subject: RE: Macondo Update 2pm	BP-HZN-2179MDL00888541
1418	Daily Drilling Report (dated 16-Mar-2010)	BP-HZN-CEC-019147 - BP-HZN-CEC-019149
1419	Daily Drilling Report (dated 17-Mar-2010)	BP-HZN-CEC-019154 - BP-HZN-CEC-019156

Documents, Data and Information Considered

Exhibit No.	Description	Bates Number
1420	Daily Drilling Report (dated 18-Mar-2010)	BP-HZN-CEC-019162 - BP-HZN-CEC-019164
1421	Daily Drilling Report (dated 21-Mar-2010)	BP-HZN-CEC-019180 - BP-HZN-CEC-019182
1422	E-Mail - From: Bodek, Robert Sent: Fri May 07 13:17:11 2010 - Subject: FW: DSI Log Evaluation	BP-HZN-2179MDL00876806 - BP-HZN-2179MDL00876813
1423	E-Mail - From: Beirne, Michael Sent: Tue Apr 13 14:11:43 2010 - Subject: FW: Macondo TD	BP-HZN-2179MDL00044347 - BP-HZN-2179MDL00044348
1424	Daily Operations Report - Partners (Completion) {04/18/2010}	BP-HZN-MBI00191710 - BP-HZN-MBI00191714
1425	Daily Operations Report - Partners (Completion) {04/19/2010}	BP-HZN-MBI00191720 - BP-HZN-MBI00191726
1426	Daily Drilling Report (dated 20-Apr-2010)	TRN-MDL-00466859 - TRN-MDL-00466863
1427	Typewritten Notes - Event: Cathleenia Willis 06/04/10	BP-HZN-BLY00061253
1428	Daily Operations Report - Partners (Drilling) {10/25/2009}	BP-HZN-MBI00192253 - BP-HZN-MBI00192257
1429	Daily Operations Report - Partners (Drilling) {10/28/2009}	BP-HZN-MBI00192223 - BP-HZN-MBI00192227
1430	Daily Drilling Report (dated 07-Mar-2010)	TRN-MDL-00011452 - TRN-MDL-00011455
1431	Daily Drilling Report (dated 22-Mar-2010)	BP-HZN-CEC-019076 - BP-HZN-CEC-019078
1432	Daily Drilling Report (dated 25-Jan-2010)	TRN-USCG-MMS-00026089 - TRN-USCG-MMS-00026093 TRN-MDL-00026089 - TRN-MDL-00026093
1433	Daily Drilling Report (dated 03-Feb-2010)	BP-HZN-JUD000149 - BP-HZN-JUD000153
1434	Daily Drilling Report (dated 04-Feb-2010)	BP-HZN-JUD000157 - BP-HZN-JUD000161
1435	Daily Drilling Report (dated 05-Feb-2010)	BP-HZN-CEC-019054 - BP-HZN-CEC-019058
1436	Daily Drilling Report (dated 06-Feb-2010)	BP-HZN-CEC-019063 - BP-HZN-CEC-019067
1437	Daily Drilling Report (dated 08-Feb-2010)	BP-HZN-CEC-019079 - BP-HZN-CEC-019083
1438	Brandon Burgess - Statement on Test Rams Event on 2/09/10	TRN-MDL-00466623
1439	Typewritten Statement -Signed by: Jason Anderson	TRN-MDL-00466626
1440	Handwritten Diagram	TRN-MDL-00466628
1441	Transocean - Deepwater Horizon BOP Test Rams, February 9, 2010 - NAM LEVEL II INVESTIGATION REPORT	TRN-MDL-00481481 - TRN-MDL-00481488
1442	E-Mail - From: Johnson, Paul (Houston) Sent: Monday, February 22 2010 12:29 PM - Subject: BOP Test Rams Level 2 Investigation (Revision 1) .doc	TRN-MDL-00481480

Documents, Data and Information Considered

Exhibit No.	Description	Bates Number
1443	Daily Operations Report - Partners (Drilling) {03/10/2010}	BP-HZN-MBI00191910 - BP-HZN-MBI00191915
1444	Daily Drilling Report (dated 12-Mar-2010)	BP-HZN-CEC-019117 - BP-HZN-CEC-019120
1445	Daily Drilling Report (dated 13-Mar-2010)	BP-HZN-CEC-019125 - BP-HZN-CEC-019127
1446	U.S. Coast Guard Witness Statement - Micah Burgess, dated 4-20-2010	TRN-HCJ-00121106 TRN-MDL-00265608
1447	Transocean - Lifeboat/Liferaft Crew Report: 20 April 2010 17:10:49	TRN-USCG-MMS-00034623 - TRN-USCG-MMS-00034625 TRN-MDL-00034623 - TRN-MDL-00034625
1448	E-Mail - To: Kaluza, Robert Sent: Mon Apr 26 01:22:37 2010 - Subject: Bladder effect	BP-HZN-BLY00072976 BPD119-010915
1449	Transocean - HEALTH AND SAFETY PROCEDURES MANUAL	TRN-HCEC-00004727 - TRN-HCEC-00005236 TRN-MDL-00046464 - TRN-MDL-00046973
1450	Micah Burgess Houston Marine Training Services Certificate	TRN-USCG-MMS-00034356 - TRN-USCG-MMS-00034432 TRN-MDL-00034356 - TRN-MDL-00034432
1451	Well CAP - IADC WELL CONTROL ACCREDITATION PROGRAM	
1452	Transocean - FIELD OPERATIONS HANDBOOK	TRN-HCEC-00011574 - TRN-HCEC-00012001
1453	Transocean - DEEPWATER HORIZON EMERGENCY RESPONSE MANUAL, Volume 1 of 2	TRN-HCEC-00006423 - TRN-HCEC-00006783 TRN-MDL-00048160 - TRN-MDL-00048520
1454	Transocean - Well Control Handbook	TRN-USCG-MMS-00043810 - TRN-USCG-MMS-00044205 TRN-MDL-00286767 - TRN-MDL-00287162
1455	Daily Drilling Report (dated 19-Apr-2010)	BP-HZN-IIT-0009274 - BP-HZN-IIT-0009279 BP-HZN-MBI00136940 - BP-HZN-MBI00136945
1456	Daily Drilling Report (dated 20-Apr-2010)	BP-HZN-IIT-0009280 - BP-HZN-IIT-0009284 BP-HZN-MBI00136946 - BP-HZN-MBI00136950
1457	Transocean - Online Profile (Our Company/Our Management/Adrian P. Rose)	
1458	AGREED 30(b)(6) DEPOSITION NOTICE OF TRANSOCEAN DEFENDANTS (WITH 30(b)(5) REQUESTS)	
1459	Achieving the Vision - Through Motivated People, Performance Excellence and Asset Integrity	TRN-MDL-00653993 - TRN-MDL-00654039

Documents, Data and Information Considered

Exhibit No.	Description	Bates Number
1460	E-Mail - From: Jacobson, Caroline (Geneva) Sent: Thursday, October 22, 2009 9:53 AM - Subject: Executive Staff Meeting - More material for your review today	TRN-MDL-00649010 - TRN-MDL-00649019 TRN-MDL-00650574 - TRN-MDL-00650592
1461	UNITED STATES COAST GUARD - Report of Investigation Into the Circumstances Surrounding the Explosion, Fire, Sinking and Loss of Eleven Crew Members Aboard the MOBILE OFFSHORE DRILLING UNIT <i>DEEPWATER HORIZON</i> In the GULF OF MEXICO April 20-22, 2010	
1462	bp - Daily Update and Summary, 27 April 2010 5AM	BP-HZN-2179MDL00621653 - BP-HZN-2179MDL00621654
1463	E-Mail - From: Thames, Steve (Houston) Sent: Tuesday, April 27, 2010 2:27 PM - Subject: Update: Clarity of Project Listings that are Underway at WL4 and points at large	TRN-MDL-00349204 - TRN-MDL-00349205
1464	E-Mail - From: Olsen, Absjorn (Stavenger) Sent: Wednesday, May 05, 2010 9:49 PM - Subject: presentation	TRN-MDL-00605899 - TRN-MDL-00605929
1465	E-Mail - From: Redd, Eddy (Houston) Sent: Saturday, May 01, 2010 11:07 AM - Subject: Fw: May 01, 2010 DWH 03:00 Report	TRN-MDL-00653238 - TRN-MDL-00653239
1466	E-Mail - From: Hayes, Dennis (Houston) Sent: Wednesday, May 05, 2010 1:35 PM - Subject: Status report 5-5-10 600	TRN-MDL-00655081 - TRN-MDL-00655084
1467	Transocean - OVERVIEW, INTRODUCTION TO THE COMPANY MANAGEMENT SYSTEM	TRN-USCG_MMS-00032704 - TRN-USCG_MMS-00032723 TRN-MDL-00032704 - TRN-MDL-00032723
1468	E-Mail - From: Perez, David (Houston) Sent: Friday, April 30, 2010 6:05 PM - Subject: Horizon Status Update 4-30-10	TRN-MDL-00607322 - TRN-MDL-00607322
1469	Transocean - SUBSEA SYSTEMS - FAMILY 400 Subsea Maintenance Philosophy	TRN-MDL-00616518 - TRN-MDL-00616528
1470	Transocean Proxy Statement and 2010 Annual Report	
1471	Transocean - Interoffice Correspondence, Date: 15th March 2010	TRN-USCG_MMS-00039081 - TRN-USCG_MMS-00039084 TRN-MDL-00039063 - TRN-MDL-00039066
1472	E-Mail - From: Rose, Adrian (Houston) Sent: Wednesday, April 21, 2010 7:00 PM - Subject: Re: DWH Updated Well Status	TRN-MDL-00653235
1473	Transocean - Integrated Memo Date: November 20, 2007	***Multiple/Non-Consecutive***

Documents, Data and Information Considered

Exhibit No.	Description	Bates Number
1474	Transocean - PERFORMANCE AND OPERATIONS POLICIES AND PROCEDURES MANUAL	TRN-MDL-00607004 - TRN-MDL-00607267
1475	Transocean - Assistant Driller OJT Module	TRN-MDL-0055523 - TRN-MDL-0055592
1476	Transocean - REQUEST FOR ENGINEERING ASSISTANCE (REA), WELL SPECIFIC PLANNING SHEET	
1477	Transocean - REQUEST FOR EXEMPTION	TRN-MDL-00606601
1478	Transocean - TASK RISK ASSESSMENT WORKSHEET	TRN-MDL-00606602 - TRN-MDL-00606603
1479	Operation Event Report - Format for Well Control Event	
1480	Transocean Performance Review	
1481	Letter from the REPUBLIC OF THE MARSHALL ISLANDS Maritime Administrator (dated August 26, 2010)	TRN-MDL-00635387
1482	RGIT - <i>Certificate in Offshore Management</i>	TRN-USCG_MMS-00030501 - TRN-USCG_MMS-00030537 TRN-MDL-00030501 - TRN-MDL-00030537
1483	AREA COMMAND OPERATING GUIDE	TRN-HCEC-00093469 - TRN-HCEC-00093493 TRN-MDL-00122507 - TRN-MDL-00122531
1484	DW Horizon VBR Middle Pipe Ram Closure Procedure Rev A - Technical Field Support - Subsea	TRN-MDL-00498732 - TRN-MDL-00498734
1485	E-Mail - From: Rose, Adrian (Houston) Sent: Monday, June 14, 2010 5:09 PM - Subject: MMS Question	TRN-MDL-00645098
1486	E-Mail - From: Hall, Eric (Houston) Sent: Tuesday, June 15, 2010 12:09 AM - Subject: RE: MMS Question	TRN-MDL-00645097
1487	E-Mail - From: McMahan, Larry (Houston) Sent: Sunday, April 25, 2010 10:20 AM - Subject: FW: Well Schematic	TRN-MDL-00606514
1488	Amendment No. 38 to Drilling Contract No. 980249	BP-HZN-CEC041476 - BP-HZN-CEC041596
1489	E-Mail - From: Robert Yount Sent: Wed Apr 07 13:34:38 2010 - Subject: Foam Jobs	HAL_0506264 - HAL_0506265
1490	E-Mail - From: Paul Anderson Sent: Tue Apr 13 19:03:07 2010 - Subject: Horizon Foam Job	HAL_0502664 - HAL_0502678
1491	E-Mail - From: Jesse Gagliano Sent: Thu Apr 15 22:46:43 2010 - Subject: Production Casing Proposal & OptiCem Report	HAL_0126062 - HAL_0126096
1492	E-Mail - From: Jesse Gagliano Sent: Mon Apr 19 01:58:10 2010 - Subject: Updated Info for Prod Casing job	BP-HZN-2179MDL00041325 - BP-HZN-2179MDL00041326

Documents, Data and Information Considered

Exhibit No.	Description	Bates Number
1493	HALLIBURTON - 9 7/8" X 7" PRODUCTION CASING - Prepared for: Brian Morel, April 18, 2010, Version: 6	BP-HZN-2179MDL00041327 - BP-HZN-2179MDL00041338
1494	Macondo #1 - 9 7/8" X 7" PRODUCTION CASING DESIGN REPORT - For: Brian Morel Date: April 18, 2010	BP-HZN-2179MDL00041338 - BP-HZN-2179MDL00041371
1495	HALLIBURTON - Cementing Gulf of Mexico, Broussard: Lab Results: Primary (April 12th, 2010)	BP-HZN-2179MDL00041372 - BP-HZN-2179MDL00041373
1496	E-Mail - From: Morel, Brian P Sent: Tue Apr 20 15:48:26 2010 - Subject: Nitrogen Cement Team	BP-HZN-MBI00129140
1497	E-Mail - From: Paul Anderson Sent: Sun Apr 11 16:17:02 2010 - Subject: RE: Foam Equipment	HAL_0512637 - HAL_0512637-2 HDR301-002839
1498	HALLIBURTON - Material Transfer Ticket	HAL_0512151-1 - HAL_0512151 HDR301-002353 - HDR301-002353
1499	HALLIBURTON - Cementing Gulf of Mexico, Broussard: Lab Results: Primary (April 10th, 2010)	***Multiple/Non-Consecutive***
1500	E-Mail - From: Greg Navarette Sent: Wed Apr 21 22:02:49 2010 - Subject: Various logs and ASCII data	BP-HZN-2179MDL00414144 - BP-HZN-2179MDL00418723
1501	Macondo Time Log Analysis - April 22, 2010	
1502	Screen Caption	
1503	E-Mail - From: Arabie, Wilson (Frontline Group) Sent: Wed Apr 21 23:06:21 2010 - Subject: Notes from today's meeting	BP-HZN-2179MDL00573059 - BP-HZN-2179MDL0057305973
1504	E-Mail - From: Cocal, Brett W Sent: Mon Apr 05 21:00:03 2010	BP-HZN-2179MDL00303163 - BP-HZN-2179MDL00303165
1505	E-Mail - From: Cocal, Brett W Sent: Mon Apr 05 21:00:03 2010	
1506	E-Mail - From: Cocal, Brett W Sent: Thu Apr 15 22:23:01 2010 - Subject: FW: 7" Centralizer	BP-HZN-2179MDL00312573 - BP-HZN-2179MDL00312576
1507	***No Document(s) Introduced/Marked***	***NOT INTRODUCED***
1508	E-Mail - From: Jesse Gagliano Sent: Thu Apr 01 14:21:59 2010 - Subject: RE: Out of Office	BP-HZN-MBI00117603 - BP-HZN-MBI00117608
1509	E-Mail - From: Jesse Gagliano Sent: Sat Apr 17 15:49:31 2010 - Subject: Lab Tests	BP-HZN-MBI00128517 - BP-HZN-MBI00128522
1510	E-Mail - From: Jesse Gagliano Sent: Monday, April 26, 2010 10:07 AM - Subject: 9 7/8" X 7" Lab Tests	HAL_0028708 - HAL_0028712
1511	***Marked & Introduced***	***Not Provided to Court Reporter***
1512	E-Mail - From: Morel, Brian P Sent: Tue Apr 27 11:19:43 2010 - Subject: RE: Need info for APD	BP-HZN-2179MDL00445847
1513	GP 10-15 - Pore Pressure Prediction: Group Practice - BP Group Engineering Technical Practices	BP-HZN-2179MDL01016932 - BP-HZN-2179MDL01016950

Documents, Data and Information Considered

Exhibit No.	Description	Bates Number
1514	GP 10-16 - Pore Pressure Detection During Well Operations: Group Practice - BP Group Engineering Technical Practices	BP-HZN-2179MDL00408027 - BP-HZN-2179MDL00408043
1515	GulfofMexicoSPU - GulfofMexicoSPU - D&C Guidance Document, Drilling Engineering BtB Stage Gate Process (Well Level)	BP-HZN-2179MDL00284914 - BP-HZN-2179MDL00284934
1516	***Marked & Introduced***	***Not Provided to Court Reporter***
1518	AGREED 30(b)(6) DEPOSITION NOTICE OF TRANSOCEAN DEFENDANTS (WITH 30(b)(5) DOCUMENT REQUESTS)	
1519	Rig Crew Organizational Chart	
1520	Transocean - LOSS OF WELL CONTROL DURING UPPER COMPLETION	TRN-USCG_MMS-00043222 - TRN-USCG_MMS-00043225 TRN-OIG-00258937 - TRN-OIG-00258940
1521	E-Mail - From: Morel, Brian P Sent: Tuesday April 20, 2010 10:43 AM - Subject: Ops Note	BP-HZN-2179MDL00161670
1523	Transocean - WELL OPERATIONS GROUP ADVISORY	TRN-USCG_MMS-00042595 - TRN-USCG_MMS-00042596 TRN-MDL-00273270 - TRN-MDL-00273271
1524	E-Mail - From: DWH, OIM (Deepwater Horizon) Sent: Wed Jan 27 23:05:37 2010 - Subject: Permit To Work	BP-HZN-2179MDL00351644 - BP-HZN-2179MDL00351645
1525	711 Well Control Incident	TRN-USCG_MMS-00042597 - TRN-USCG_MMS-00042605 TRN-MDL-00273272 - TRN-MDL-00273280
1526	Temporary Abandonment Procedure, Macondo-MC252 #1, Deepwater Horizon	BP-HZN-CEC0020166
1527	bp - INCIDENT REPORT Drift Off and Emergency Riser Disconnect, Transocean Horizon, June 30, 2003	BP-HZN-CEC0029558 - BP-HZN-CEC0029560
1528	WEST <i>Engineering Services</i> - Deepwater Horizon Subsea Equipment Condition Audit, For: Transocean Job # 001C, October 2005	BP-HZN-CEC00063449 BP-HZN-CEC00063488
1529	BONSAI_Performance_Tracking.xls	TRN-HCEC-00107221 BP-HZN-CEC00063449 BP-HZN-CEC00063488
1579	E-Mail - From: Chandler, Paul[Paul.Chandler@Anadarko.com] Sent: Tue 7/21/2009 9:41:08 PM - Subject: FW: BP's Macondo Prospect (MC252)	ANA-MDL-000033441 - ANA-MDL-0000334417

Documents, Data and Information Considered

Exhibit No.	Description	Bates Number
1580	E-Mail - From: Peyton, Dawn[Dawn.Peyton@Anadarko.com] Sent: Tue 8/18/2009 7:58:24 PM - Subject: FW: Follow-UP - Macondo Resource Volume Calculation	ANA-MDL-000034501 - ANA-MDL-000034503
1581	E-Mail - From: Peyton, Dawn[Dawn.Peyton@Anadarko.com] Sent: Wed 8/19/2009 5:54:54 PM - Subject: RE: Macondo Reserve Distribution	ANA-MDL-000034958 ANA-MDL-000034193
1582	E-Mail - From: Sanders, Allen[Allen.Sanders@Anadarko.com] Sent: Wed 8/19/2009 9:43:04 PM - Subject: Macondo Prospect	ANA-MDL-000034194
1583	E-Mail - From: Berg, Brad[Brad.Berg@Anadarko.com] Sent: Tue 10/20/2009 1:29:18 PM - Subject: RE: Macondo - BP farmout opportunity - show & tell for Bob Daniels - 13th floor conference room	ANA-MDL-000041230 - ANA-MDL-000041231
1584	E-Mail - From: Chandler, Paul[Paul.Chandler@Anadarko.com] Sent: Wed 10/21/2009 6:15:29 PM - Subject: Macondo	ANA-MDL-000041245
1585	E-Mail - From: Chandler, Paul[Paul.Chandler@Anadarko.com] Sent: Thu 10/22/2009 10:49:03 PM - Subject: Post RCT Ecos - macondo	ANA-MDL-00039054 - ANA-MDL-00039056
1586	Macondo Prospect October 2009	ANA-MDL-000045796 - ANA-MDL-000045828
1587	E-Mail - From: O'Donnell, Alan[Alan.ODonnell@Anadarko.com] Sent: Mon 1/25/2010 2:23:27 PM - Subject: RE: Macondo update	ANA-MDL-000042525
1588	E-Mail - From: Kamm, John[John.Kamm@Anadarko.com] Sent: Mon 2/1/2010 4:17:57 PM - Subject: Prespud meeting with Bp concearnng Macondo	ANA-MDL-000045222
1589	E-Mail - From: Burton, Forrest[Forrest.Burton@Anadarko.com] Sent: Tue 2/2/2010 10:01:22 PM - Subject: RE: Macondo	ANA-MDL-000042121 - ANA-MDL-000042122
1590	E-Mail - From: Quitzau, Robert[Robert.Quitzau@Anadarko.com] Sent: Tue 3/30/2010 10:01:22 PM - Subject: RE: Macondo Update	ANA-MDL-000002656

Documents, Data and Information Considered

Exhibit No.	Description	Bates Number
1591	E-Mail - From: O'Donnell, Alan[Alan.ODonnell@Anadarko.com] Sent: Sun 4/4/2010 6:48:10 PM - Subject: RE: Macondo well update11:30	ANA-MDL-000007517 - ANA-MDL-000007518
1592	E-Mail - From: Jacobs, Joe[Joe.Jacobs@Anadarko.com] Sent: Mon 4/12/2010 3:47:11 PM - Subject: FW: Macondo	ANA-MDL-000007964
1593	E-Mail - From: Strife, Stuart[Stuart.Strife@Anadarko.com] Sent: Mon 4/12/2010 7:10:29 PM - Subject: FW: Macondo TD	ANA-MDL-000001946
1594	E-Mail - From: Chandler, Paul[Paul.Chandler@Anadarko.com] Sent: Mon 4/12/2010 12:39:07 PM - Subject: RE: Macondo logs	ANA-MDL-000053061 - ANA-MDL-000053062
1595	E-Mail - From: Trautman, Tim[Tim.Trautman@Anadarko.com] Sent: Mon 4/19/2010 12:59:58 PM - Subject: RE: Any Update on Macondo?	ANA-MDL-000009518 - ANA-MDL-000009519
1596	E-Mail - From: Hollek, Darrell[Darrell.Hollek@Anadarko.com] Sent: Wed 4/14/2010 11:56:28 AM - Subject: Macondo Pipe Setting Recommendation w/Hollek	ANA-MDL-000002795
1597	AGREED 30(b)(6) DEPOSITION NOTICE OF ANADARKO (WITH 30(b)(5) DOCUMENT REQUESTS)	
1598	E-Mail - From: Huch, Nick<Nick.Huch@Anadarko.com> Sent: Monday, January 25, 2010 2:36 PM - Subject: FW: Real-time data	APC-SHS2A-000001040 - APC-SHS2A-000001044 ADR008-000796 - ADR008-000800
1599	E-Mail - From: Bodek, Robert<Robert.Bodek@BP.com> Sent: Tuesday, April 13, 2010 3:37 PM - Subject: Final SLB MDT spreadsheet	APC-SHS2A-000001266 - APC-SHS2A-000001272 ADR008-001022 - ADR008-001028
1600	E-Mail - From: Gray, Kelly S Sent: Sunday, January 24, 2010 6:10 AM - Subject: What are the Plans?	HAL_0023410
1601	E-Mail - From: Keith, Joseph E Sent: Friday, February 12, 2010 10:11 AM - Subject: RE: INSITE PROBLEMS!	HAL_0001532 - HAL_0001533
1602	Gulf of Mexico - Irregular Job Report, DATE of INCIDENT: 2/17/2010	HAL_0002105
1603	E-Mail - From: Gray, Kelly S Sent: Thursday, February 18, 2010 2:58 PM - Subject: RE: Continued INSTE Lock-ups	HAL_0025955 - HAL_0025962

Documents, Data and Information Considered

Exhibit No.	Description	Bates Number
1604	E-Mail - From: Bennett, Gord Sent: Thu Feb 18 14:09:20 2010 - Subject: RE: Zone of interest marker report	BP-HZN-2179MDL00889546
1605	Gulf of Mexico - Irregular Job Report, DATE of INCIDENT: 2/18/2010	HAL_0002123
1606	E-Mail - From: Josie Ortiz Sent: Friday, February 19, 2010 12:09 PM - Subject: RE: Que pensas?	HAL_0025969
1607	E-Mail - From: Greg Navarette Sent: Mon Feb 22 20:55:03 2010 - Subject: FW: Subsea Pressures	BP-HZN-2179MDL00005449 - BP-HZN-2179MDL00005450
1608	E-Mail - From: Gray, Kelly S Sent: Mon Mar 15 05:48:22 2010 - Subject: Future proposal and Best Crew Scenario.	BP-HZN-2179MDL00243884
1609	E-Mail - From: Gray, Kelly S Sent: Tue Mar 16 13:21:43 2010 - Subject: Proposal follow up	BP-HZN-2179MDL00043293
1610	E-Mail - From: Sepulvado, Ronald W Sent: Mon Apr 12 04:30:00 2010 - Subject: Daily Plan	BP-HZN-2179MDL00006335
1611	E-Mail - From: Sepulvado, Ronald W Sent: Tue Apr 13 03:07:16 2010 - Subject: Daily Plan	BP-HZN-MBI00126293 - BP-HZN-MBI00126295
1612	E-Mail - From: Randy Hopper Sent: Thu Apr 22 11:37:15 2010 - Subject: Re: BP Macondo	HAL_0509273
1613	E-Mail - From: Cathleenia Willis Sent: Wed Jun 02 14:38:21 2010 - Subject: Alarm Set Up	HAL_0508722
1614	E-Mail - From: Kelly Gray Sent: Tue Jun 08 19:36:36 2010 - Subject: RE: MWD logs causing problems	HAL_0509390
1615	E-Mail - From: Kelly Gray Sent: Thu Jul 08 18:24:33 2010 - Subject: RE: Insite Patch for ADR concerns onDD3	HAL_0509015 - HAL_0509016
1616	E-Mail - From: Kelly Gray Sent: Thu Jul 08 18:49:08 2010 - Subject: RE: Insite Patch for ADR concerns onDD3	HAL_0509055 - HAL_0509056
1617	Handwritten Notes (DD3 Wits Configurations)	HAL_0123218
1618	E-Mail - From: Kelly Gray Sent: Thu Jul 08 18:49:08 2010 - Subject: RE: Insite Patch for ADR concerns onDD3	HAL_0122566 - HAL_0122569
1619	E-Mail - From: Kelly Gray Sent: Tue Jul 13 08:28:15 2010 - Subject: Parts Order: ADI CLONE; SAP7324210; BP DD3 13JULY	HAL_0508552 - HAL_0508553
1700	E-Mail - From: Jesse Gagliano Sent: Sun Apr 18 20:58:10 2010 - Subject: Updated Info for Prod Casing job	HAL_0125421 - HAL_0125466 HDR008-000221 - HDR008-000266 HAL_0010988 - HAL_0011020 HAL_0125467 - HAL_0125468

Documents, Data and Information Considered

Exhibit No.	Description	Bates Number
1701	E-Mail - From: Jesse Gagliano Sent: Wed Apr 14 13:37:42 2010 - Subject: OptiCem for Horizon Production Casing	HAL_0511671 HDR301-001873
1702	E-Mail - From: Jesse Gagliano Sent: Thu Apr 15 18:28:02 2010 - Subject: Revised OptiCem	HAL_0511751 HDR301-001953
1703	Foam Cementing Operations Manual	HAL_0046635 - HAL_0046728 HDR004-047078 - HDR004-047171
1704	E-Mail - From: Nathaniel Chaisson Sent: Tuesday April 20, 2010 5:45 AM - Subject: 9.875" x 7" Casing Post Job	HAL_0011208 - HAL_0011221
1705	E-Mail - From: Nathaniel Chaisson Sent: Wednesday April 21, 2010 2:34 PM - Subject: BP/Horizon/Post Job Report	HAL_0028309 - HAL_0028323
1706	E-Mail - From: Jesse Gagliano Sent: Fri Apr 02 17:10:29 2010 - Subject: 9 7/8" X 7" Foam Prod Casing Info	HAL_0511319 - HAL_0511331
1707	Halliburton Energy Services - OptiCem v6. 4.7, Cement Job Design Report	HAL_0512700 - HAL_0512711
1708	US Land-Offshore Cementing Work Methods	HAL_0116541 - HAL_0116892
1709	E-Mail - From: Jesse Gagliano Sent: Monday, April 26, 2010 10:07 AM - Subject: 9 7/8" X 7" Lab Tests	HAL_0028708 - HAL_0028712
1710	E-Mail - From: Paul Anderson Sent: Sun May 09 13:44:48 2010 - Subject: GSI Rental Iron	HAL_0510453
1711	E-Mail - From: Jesse Gagliano Sent: Wed May 05 19:33:58 2010 - Subject: Re: Samples from 28" Job	HAL_0509799
1712	E-Mail - From: Paul Anderson Sent: Thu Apr 22 13:41:22 2010 - Subject: FW: Inventory of equipment and chemicals on the Horizon	HAL_0510682 - HAL_0510691
1713	E-Mail - From: Cunningham, Erick Sent: Mon Mar 08 20:00:32 2010 - Subject: RE: Nitrogen Production Job	BP-HZN-2179MDL00282745 - BP-HZN-2179MDL00282746
1714	E-Mail - From: Jesse Gagliano Sent: Thu Apr 15 22:46:43 2010 - Subject: Production Casing Proposal & OptiCem Report	HAL_0512597 - HAL_0512597631
1715	E-Mail - From: Jesse Gagliano Sent: Sat Apr 17 14:29:58 2010 - Subject: Updated Proposal and OptiCem	HAL_051202 - HAL_051214
1716	E-Mail - From: Cunningham, Erick Sent: Mon Mar 08 20:00:32 2010 - Subject: RE: Nitrogen Production Job	BP-HZN-2179MDL00282745 - BP-HZN-2179MDL00282746
1717	E-Mail - From: Morel, Brian P Sent: Thu Mar 11 23:21:46 2010 - Subject: RE: 16.4 ppg Plug Test	BP-HZN-BLY00063337 - BP-HZN-BLY00063340
1718	Cementing Shallow Water Flow Zones in Deepwater Wells	BP-HZN-BLY00104413 - BP-HZN-BLY00104466

Documents, Data and Information Considered

Exhibit No.	Description	Bates Number
1719	E-Mail - From: Jesse Gagliano Sent: Mon Apr 19 01:58:10 2010 - Subject: Updated info for Prod Casing job	BP-HZN-2179MDL00041571 - BP-HZN-2179MDL00041619
1720	Doug Brown TRAINING CERTIFICATES	TRN-USCG_MMS-00030442 TRN-MDL-00030442 - TRN-MDL-00030500
1721	GP 10-40 - Drilling Rig Audits and Rig Acceptance: Group Practice - BP Group Engineering Technical Practices	BP-HZN-2179MDL00643468 - BP-HZN-2179MDL00643481
1722	Deepwater Horizon - BP CMID Audit Work list (Rev Date 03-29-10)	TRN-HCEC-00100216 - TRN-HCEC-00100239 TRN-MDL-00129254 - TRN-MDL-00129277
1723	U.S. Coast Guard Witness Statement - Douglas Brown, dated 4-21-2010	TRN-HCJ-00121104 - TRN-HCJ-00121105 TRN-MDL-00265606 - TRN-MDL-00265607
1724	Statement of Douglas Harold Brown before the House Judiciary Committee, May 27, 2010	
1725	MINIMUM SAFE MANNING CERTIFICATE - Republica De Panama	
1726	MINIMUM SAFE MANNING CERTIFICATE - Republic of the Marshall Islands	TRN-MDL-00518614
1727	Excerpt from USCG/MMS Marine Board of Investigation Deposition Transcript	
1728	Transocean - Career Center-North American Offshore Fleet-Current Job Opening-Chief Mechanic	
1729	RMS II Morning Report, Rig: Deepwater Horizon, 19 Apr 2010	TRN-HCEC-00035561 - TRN-HCEC-00035587 TRN-MDL-00077298 - TRN-MDL-00077324
1730	RECORDED COAST GUARD INTERVIEW - BROWN, DOUGLAS	
1731	<i>Watertight Door Inspection</i> - Deepwater Horizon (6-Feb-10)	TRN-MDL-00692632
1732	SAFETY MANAGEMENT SYSTEM Training Certificate, Doug Brown	TRN-USCG_MMS-00034956 TRN-MDL-00034938
1733	Handwritten Notes - Diagram	
1734	GP 48-50 - Major Accident Risk (MAR) Process: Group Practice - BP Group Engineering Technical Practices	BP-HZN-2179MDL00407937 - BP-HZN-2179MDL00408004
1735	NATIONAL OIL SPILL COMMITTEE MEETING CONDUCTED ON MONDAY, NOVEMBER 8, 2010	
1736	Gulf of Mexico SPU Risk Management SEEAC Brief	BP-HZN-BLY00204248 - BP-HZN-BLY00204254

Documents, Data and Information Considered

Exhibit No.	Description	Bates Number
1737	E-Mail - From: Carter, Donnie J Sent: Thu May 13 22:52:22 2010 - Subject: FW: URGENT DRAFT - GORC SEEAC Brief	BP-HZN-2179MDL01088372 - BP-HZN-2179MDL01088372
1738	GP 48-01 - HSSE Review of Projects (PHSSER): Group Practice - BP Group Engineering Technical Practices	BP-HZN-2179MDL00407848 - BP-HZN-2179MDL00407912
1739	GP 48-05 - Hazard Identification (HAZID) Study: Group Practice - BP Group Engineering Technical Practices	BP-HZN-2179MDL00408099 - BP-HZN-2179MDL00408123
1740	E-Mail - From: Grounds, Cheryl A. Sent: Tue Aug 10 20:27:04 2010 - Subject: RE: Investigation Report Feedback - Consolidation Template.xls	BP-HZN-2179MDL00209545 - BP-HZN-2179MDL00209546
1741	Macondo Project Risk Register	BP-HZN-2179MDL00412928
1742	GDP 4.4-0002 Incident Investigation (14 October 2009)	BP-HZN-2179MDL00205082 - BP-HZN-2179MDL00205105
1743	E-Mail - From: Grounds, Cheryl A. Sent: Mon Jun 21 22:21:44 2010 - Subject: RE: Request - Info for Investigation Report	BP-HZN-BLY00301032 - BP-HZN-BLY00301033
1744	E-Mail - From: Daigle, Keith G Sent: Wed Mar 31 16:37:01 2010 - Subject: April WSL Meeting Agenda	BP-HZN-2179MDL00300824 - BP-HZN-2179MDL00300826
1745	THE REPORT OF The BP Refineries Independent Safety Review Panel	
1746	E-Mail - From: McNeillie, Graham A Sent: Mon May 31 14:06:54 2010 - Subject: RE: Technical Team - Cheryl Grounds	BP-HZN-2179MDL00303126 - BP-HZN-2179MDL00303127
1747	Job Description	
1748	E-Mail - From: Tooms, Paul J Sent: Sat Apr 24 11:03:07 2010 - Subject: Re: GOM Rig Incident	BP-HZN-2179MDL00301096 - BP-HZN-2179MDL00301097
1749	E-Mail - From: Grounds, Cheryl A. Sent: Sat Apr 24 11:03:07 2010 - Subject: RE: GOM Rig Incident	BP-HZN-2179MDL00301509 - BP-HZN-2179MDL00301510
1750	Hazard Analysis Team Daily Update 26th April 20:00 hrs	BP-HZN-BLY003216291
1751	E-Mail - From: Corser, Kent Sent: Tue May 18 18:38:05 2010 - Subject: FW: Blowout Statistics	BP-HZN-BLY00196404 - BP-HZN-BLY00196512
1752	E-Mail - From: Grounds, Cheryl A. Sent: Fri Aug 06 11:18:39 2010 - Subject: RE: Investigation Scope Next Week	BP-HZN-BLY00301143 - BP-HZN-BLY003011434
1753	Safety Pulse Check #4 "A" Crew Improving Our Safety Culture in 2010	BP-HZN-2179MDL00305464 - BP-HZN-2179MDL00305477
1754	WDSU.com Article - Chalmette Refinery Worker Killed While Fixing Leak	

Documents, Data and Information Considered

Exhibit No.	Description	Bates Number
1755	Online Article - Limited Details Emerge From Chalmette Refinery Death, Chemical Leak	
1756	Online Article - New Study Exposes Exxon Chalmette Refining's Accident Rate	
1757	Oil Refinery Accidents: Past Accidents	
1758	Transocean - FOCUS Report, 04-Jul-2004	TRN-MDL-00507923 - TRN-MDL-00507981
1759	Transocean - ISM INSTALLATION AUDIT CHECKLIST / REPORT, 28-Jun-2007	***Multiple/Non-Consecutive***
1760	***No Document(s) Introduced/Marked***	***Unused Numbers***
1762	***No Document(s) Introduced/Marked***	***Unused Numbers***
1763	***No Document(s) Introduced/Marked***	***Unused Numbers***
1764	ISM CODE CERTIFICATION - Date of Audit: 2005-04-12 & 13	TRN-USCG-MMS-00059294 - TRN-USCG-MMS-00059301
1765	Maritime Safety Management and Pollution Prevention AUDIT PROGRAMME - Audit Date(s): 20-21 April 2006	TRN-USCG-MMS-00059341 - TRN-USCG-00059344
1766	Maritime Safety Management and Pollution Prevention - AUDIT PROGRAMME - Audit Date(s): 2007-01-22 & 2007-01-23	TRN-USCG-MMS-00059318 - TRN-USCG-00059321
1767	Maritime Safety Management and Pollution Prevention - AUDIT PROGRAMME - Audit Date(s): 2008-04-09 & 2008-04-10	TRN-USCG-MMS-00059290 - TRN-USCG-00059293
1768	SURVEY REPORT 2009 Annual ISM DOC Audit - Audit Date(s): 2009-04-15 & 2009-04-15	TRN-USCG-MMS-00059325 - TRN-USCG-00059333
1769	SURVEY REPORT ISM Code DOC Annual Audit - Audit Date(s): 2010-04-20 & 2010-04-21	
1770	Vessel Summary Report "Deepwater Horizon" - Report Date: 2010-04-26	TRN-HCEC-00116082 - TRN-HCEC-00116085
1771	SAFETY MANAGEMENT CERTIFICATE - 2002-05-16	TRN-HCEC-00116103
1772	SAFETY MANAGEMENT CERTIFICATE - 2002-09-20	TRN-HCEC-00116104 - TRN-HCEC-00116105
1773	SAFETY MANAGEMENT CERTIFICATE - 2005-02-16	TRN-HCEC-001161048- TRN-HCEC-00116109
1774	SAFETY MANAGEMENT CERTIFICATE - 2002-09-20 (cross referenced w/Transocean exhibit CD provided at deposition; Only page 1 of 2 was submitted.)	TRN-HCEC-00116109
1775	SAFETY MANAGEMENT CERTIFICATE - 2007-05-16	TRN-USCG-MMS-00043710
1776	SAFETY MANAGEMENT CERTIFICATE - 2007-07-11	TRN-HCJ00128051? - TRN-HCJ00128052

Documents, Data and Information Considered

Exhibit No.	Description	Bates Number
1777	SURVEY REPORT Intermediate ISM Audit - Audit Date(s): 2005-06-29	TRN-USCG-MMS-00027982 - TRN-USCG-00027991
1778	SURVEY REPORT Renewal ISM Audit and Renewal Scope ISPS Audit - Audit Date(s): 2007-05-15 & 2007-05-16	TRN-HCEC-00116167 - TRN-HCEC-00116171
1779	DOCUMENT OF COMPLIANCE Republic of Marshall Islands - 2002-08-19	
1780	DOCUMENT OF COMPLIANCE Republic of The Marshall Islands - 2008-04-25	TRN-MDL-00488930 - TRN-MDL-00488931
1781	DOCUMENT OF COMPLIANCE The United States of America - 2009-04-20	
1782	DOCUMENT OF COMPLIANCE The United States of America - 2009-05-22	
1783	INTERNATIONAL SHIP SECURITY PLAN (SSP) STATEMENT OF COMPLIANCE - 2004-05-21	TRN-HCEC-00116106
1784	INTERNATIONAL SHIP SECURITY PLAN (SSP) STATEMENT OF COMPLIANCE - 2004-05-21	TRN-HCEC-00116107 TRN-HCEC-00116173 - TRN-HCEC-00116178
1785	ISPS CODE CERTIFICATION OF RENEWAL SHIP SECURITY VERIFICATION REPORT - 2007-05-15, 16	TRN-HCEC-00116173 - TRN-HCEC-00116174
1786	INTERNATIONAL SHIP SECURITY CERTIFICATE - 2007-06-16	TRN-HCEC-00116175 - TRN-HCEC-00116178
1787	September 14, 2010 Letter to Captain Nguyen & Mr. Dykes, From Brian G. Bubar	
1788	MOBILE OFFSHORE DRILLING UNIT STANDARDS	
1789	Minimum Safe Manning Requirements for Vessels	
1790	SURVEY REPORT (Preliminary) Initial ISM and ISPS Audits - Audit Date(s): 2009-04-23 & 2009-04-24	TRN-USCG-MMS-00059172 - TRN-USCG-MMS-00059171 TRN-MDL-000302129 - TRN-MDL-000302128 TDR012-015577 - TDR012-015576
1791	SURVEY REPORT (Preliminary) Initial ISM and ISPS Audits - Audit Date(s): 2009-03-17 & 2009-03-18	TRN-USCG-MMS-00059192 - TRN-USCG-MMS-00059198 TRN-MDL-000302149 - TRN-MDL-000302155 TDR012-015597 - TDR012-015603

Documents, Data and Information Considered

Exhibit No.	Description	Bates Number
1792	SURVEY REPORT (Preliminary) Initial ISM and ISPS Audits - Audit Date(s): 2009-09-23 & 2009-09-24	TRN-USCG-MMS-00059201 - TRN-USCG-MMS-00059200 TRN-MDL-000302158 - TRN-MDL-000302157 TDR012-015606 - TDR012-015605
1793	SURVEY REPORT (Preliminary) Initial ISM and ISPS Audits - Audit Date(s): 2007-07-24 & 2007-07-25	TRN-USCG-MMS-00059228 - TRN-USCG-MMS-00059235 TRN-MDL-000302185 - TRN-MDL-000302192 TDR012-015633 - TDR012-015640
1794	Common Marine Inspection Document	TRN-MDL-00420097 - TRN-MDL-00420155
1795	bp- CMID ANNEX (BP REQUIREMENTS FOR MODUS) WITH GUIDANCE NOTES	TRN-MDL-00420038 - TRN-MDL-00420096
1819	Confidential Chart (Chain of Command)	BP-HZN-CEC060931
1820	E-Mail - From: Cramond, Neil Sent: Fri Feb 05 21:30:44 2010 - Subject: Marine Vessel Operations	BP-HZN-2179MDL01122681 - BP-HZN-2179MDL01122682
1821	Gulf of Mexico SPU - GoM Marine Function: Marine Vessel Operations Team, Local OMS	BP-HZN-2179MDL01122683 - BP-HZN-2179MDL01122726
1822	bp - CMID ANNEX (BP REQUIRMENTS FOR MODUS) WITH GUIDANCE NOTES	BP-HZN-CEC035380 - BP-HZN-CEC035422
1823	BP Group Standards: Marine Operations - Define Stage Draft	BP-HZN-2179MDL01106466 - BP-HZN-2179MDL01106501
1824	GoM Function - 2010 Activity Prioritization	BP-HZN-2179MDL00984912 - BP-HZN-2179MDL00984913
1825	GoM SPU Gap Closure Status	BP-HZN-2179MDL00984928
1826	E-Mail - From: Crammond, Neil Sent: Thu May 29 15:08:24 2008 - Subject: DWH Flooding - Initial Incident Summary	BP-HZN-2179MDL01127713 - BP-HZN-2179MDL01127714
1827	E-Mail - From: Rodriguez, Angel Sent: Mon Aug 16 16:33:03 2010 - Subject: GP 10-40 "Drilling Rig Audits & Rig Acceptance"	BP-HZN-2179MDL01137477 - BP-HZN-2179MDL011374771
1828	E-Mail - From: Crammond, Neil Sent: Wed Jan 13 15:41:09 2010 - Subject: Simplifying Communication re Safety	BP-HZN-2179MDL01115530 - BP-HZN-2179MDL01115549
1829	E-Mail - From: Endicott, Troy M Sent: Tue Sep 22 12:49:30 2009 - Subject: P-1 Horizon Audit Findings update and IM Risk rankings.	BP-HZN-2179MDL01131227 - BP-HZN-2179MDL01131232
1830	E-Mail - From: Rodriguez, Angel Sent: Mon Oct 05 21:31:03 2009 - Subject: Updated audit tracking sheet for DW Horizon	BP-HZN-2179MDL00340255

Documents, Data and Information Considered

Exhibit No.	Description	Bates Number
1831	E-Mail - From: Cocalles, Brett W Sent: Tuesday, October 6, 2009 11:563 AM - Subject: Audit Report Documents - DWH Sept 2009	BP-HZN-CEC041034 - BP-HZN-CEC041035
1832	E-Mail - From: Rodriguez, Angel Sent: Tue Mar 30 01:03:37 2010 - Subject: Deepwater Horizon's Rig Audit close out report status	BP-HZN-2179MDL00033637 - BP-HZN-2179MDL00033638
1833	E-Mail - From: Porter, David A Sent: Wed Sep 16 12:14:47 2009 - Subject: FW: LoWC Review with Neil Shaw on 9/25	BP-HZN-2179MDL00347967 - BP-HZN-2179MDL00347968 BPD008_008322 - BPD008_008323
1834	E-Mail - From: Crammond, Neil Sent: Friday, May 21, 2010 3:14 PM - Subject: Documents Attached: 2200-T2-DO-PR-4100	
1835	E-Mail - From: Malone, Ryan P Sent: Wed Jun 16 19:13:51 2010 - Subject: Containment Plan	BP-HZN-2179MDL01122823 - BP-HZN-2179MDL01122826 BPD161_033714 - BPD161_033717
1836	E-Mail - From: Endicott, Troy M Sent: Sat Jul 24 18:39:51 2010 - Subject: RE: Results from visit to Deepwater Horizon	BP-HZN-2179MDL01114974 - BP-HZN-2179MDL011149740
1837	E-Mail - From: Rodriguez, Angel Sent: Mon Feb 22 21:14:57 2010 - Subject: RE: Audits Reviewed and Updated	BP-HZN-2179MDL00002012 - BP-HZN-2179MDL00002013
1838	UNITED STATES COAST GUARD - Report of Investigation Into the Circumstances Surrounding the Explosion, Fire, Sinking and Loss of Eleven Crew Members Aboard the MOBILE OFFSHORE DRILLING UNIT <i>DEEPWATER HORIZON</i> In the GULF OF MEXICO April 20-22, 2010	
1839	IMCA - Common Marine Inspection Document	BP-HZN-CEC041288 - BP-HZN-CEC041346
1840	E-Mail - From: Cramond, Neil Sent: Fri Jul 09 13:23:28 2010 - Subject: SIMOPS Review	BP-HZN-2179MDL01130999 - BP-HZN-2179MDL01131006
1841	E-Mail - From: Cramond, Neil Sent: Mon May 24 14:48:52 2010 - Subject: FW: Approved - Doc. No. 2200-T2-DO-PR-4039 - Ops Note 02	BP-HZN-2179MDL01114934 - BP-HZN-2179MDL01114973
1842	E-Mail - From: Cramond, Neil Sent: Fri Dec 11 17:49:23 2009 - Subject: Some Thoughts	BP-HZN-2179MDL01134676
1843	E-Mail - From: Cramond, Neil Sent: Sun Jan 17 20:13:42 2010 - Subject: RE: INFO (Confidential): GOM GRASP Operations	BP-HZN-2179MDL01094903 - BP-HZN-2179MDL01094905
1860	AGREED 30(b)(6) DEPOSITION NOTICE OF BP DEFENDANTS (WITH 30(b)(5) DOCUMENT REQUESTS)	

Documents, Data and Information Considered

Exhibit No.	Description	Bates Number
1861	Evaluation of Casing Design Basis for Macondo Prospect Mississippi Canyon Block 252 OCS-G-32306 Well No. 1 (Revision 2, 14 May 2009)	BP-HZN-CEC008333 - BP-HZN-CEC008346
1862	Evaluation of Casing Design Basis for Macondo Prospect Mississippi Canyon Block 252 OCS-G-32306 Well No. 1 (Revision 3, 26 January 2010)	BP-HZN-2179MDL00040971 - BP-HZN-2179MDL00040982
1863	Evaluation of Casing Design Basis for Macondo Prospect Mississippi Canyon Block 252 OCS-G-32306 Well No. 1 (Revision 4, 22 March 2010)	BP-HZN-CEC008347 - BP-HZN-CEC008361
1864	Appendix N. Mississippi Canyon 252 No. 1 (Macondo) Basis of Design Review	BP-HZN-BLY00155382 - BP-HZN-BLY00155448
1949	Gulf of Mexico SPU Risk Management SEEAC Brief	BP-HZN-2179MDL00620074 - BP-HZN-2179MDL00620081
1950	E-Mail - From: Skelton, Jake Sent: Thu Sep 25 20:12:40 2008 - Subject: 2008/2009 Continuous Improvement Plan - Deepwater Horizon	BP-HZN-MBI00052735 - BP-HZN-MBI00052738
1951	E-Mail - From: Guide, John Sent: Wed Oct 07 11:40:19 2009 - Subject: FW: Deepwater Horizon Rig Audit	BP-HZN-2179MDL00353304 - BP-HZN-2179MDL00353305 BPD008_013659 - BPD008_0136560
1952	E-Mail - From: Sepulvado, Ronald W Sent: Mon Sep 21 11:02:50 2009 - Subject: FW: Deepwater Horizon Rig Audit	BP-HZN-OIG00002240 - BP-HZN-OIG00002243
1953	E-Mail - From: Frazelle, Andrew E Sent: Wed Sep 30 22:08:24 2009 - Subject: RE: Heads UP	BP-HZN-MBI00072280 - BP-HZN-MBI00072281
1954	E-Mail - From: Cocales, Brett W Sent: Thu Apr 01 16:04:25 2010 - Subject: No Dischargeable Solvents	BP-HZN-2179MDL00301434 BPD115-027585
1955	E-Mail - From: Morel, Brian P Sent: Thu Mar 19 19:21:48 2009 - Subject: FW: Cost Saving Ideas	BP-HZN-MBI00059311 - BP-HZN-MBI00059312
1956	E-Mail - From: Morel, Brian P Sent: Thu Mar 19 19:22:51 2009 - Subject: FW: Cost Saving Ideas	BP-HZN-MBI00059313 - BP-HZN-MBI00059314
1957	E-Mail - From: Maxie, Doyle Sent: Tue Apr 08 13:38:36 2010 - Subject: Losses Total	BP-HZN-MBI00248210 BPD113_183220
1958	E-Mail - From: Little, Ian Sent: Sun Mar 14 00:34:42 2010 - Subject: Macondo Update	BP-HZN-MBI00110606 - BP-HZN-MBI00110607 MDM071-000102 - MDM071-000103
1959	E-Mail - From: Morel, Brian P Sent: Sun Apr 04 01:03:39 2010 - Subject: Re: Macondo Update	BP-HZN-MBI00118040 - BP-HZN-MBI00118041 BPD107_206441 - BPD107_206442
1960	E-Mail - From: Bennett, Gord (Q0, Inc.) Sent: Sun Apr 04 10:45:59 2010 - Subject: Update	BP-HZN-MBI00247834 BPD113_182844
1961	E-Mail - From: Guide, John Sent: Sun Apr 04 14:22:01 2010 - Subject: Macondo	BP-HZN-MBI00247851 BPD113_182861

Documents, Data and Information Considered

Exhibit No.	Description	Bates Number
1962	E-Mail - From: Reiter, Doris Sent: Sun Apr 11 14:26:40 2010 - Subject: RE: Macondo update and forward plan awareness	BP-HZN-BLY00110007 - BP-HZN-BLY00110008 BPD007-007010 - BPD007-007011
1963	E-Mail - From: Guide, John Sent: Thu Apr 15 02:48:20 2010 - Subject: Re: Meeting	BP-HZN-MBI00311590 BPD115_037741
1964	E-Mail - From: Beirne, Michael Sent: Wed Apr 14 20:19:05 2010 - Subject: Macondo JOA Obligations	BP-HZN-MBI 00182367 - BP-HZN-MBI 00182368 BPD108-014441 - BPD108-014442
1965	E-Mail - From: Linder, Leo T (MI DRILLING FLUIDS, INC.) Sent: Mon Apr 19 14:03:22 2010 - Subject: Question about seawater discharge	BP-HZN-MBI 00029293 - BP-HZN-MBI 00029295 BPD109-029293 - BPD109-029295
1966	E-Mail - From: O'Bryan, Patrick L Sent: Tue Apr 27 19:39:27 2010 - Subject: RE: Bladder effect	BP-HZN-2179MDL00321874 BP-HZN-MBI 00021237 - BP-HZN-MBI 00021282
1967	bp - DAILY PPFGR REPORT	BP-HZN-2179MDL00247855 - BP-HZN-2179MDL00247856
1968	E-Mail - From: Morel, Brian P Sent: Mon Apr 12 17:57:25 2010 - Subject: Rev 1 Procedure	BP-HZN-2179MDL00272297 - BP-HZN-2179MDL00272317
1969	E-Mail - From: Guide, John Sent: Thu Mar 18 14:26:23 2010 - Subject: Q's for if we run out of conversation at lunch...	BP-HZN-2179MDL00289308
1970	E-Mail - From: Guide, John Sent: Thu Mar 25 15:30:57 2010 - Subject: Re: Can you help me please?	BP-HZN-2179MDL00294224 - BP-HZN-2179MDL00294225
1971	E-Mail - From: Morel, Brian P Sent: Fri Apr 16 17:34:50 2010 - Subject: Centralizers	BP-HZN-2179MDL00315028
1972	E-Mail - From: Morel, Brian P Sent: Sun Apr 18 19:18:01 2010 - Subject: RE: 500 Ton Bails	BP-HZN-2179MDL00315463
1973	E-Mail - From: Morel, Brian P Sent: Sun Apr 04 01:03:39 2010 - Subject: Re: Macondo Update	BP-HZN-2179MDL00028983- BP-HZN-2179MDL00028984
1974	E-Mail - From: Guide, John Sent: Wed Aug 13 11:47:30 2008 Subject: WED	BP-HZN-2179MDL01249222 BP-HZN-MBI 00171854 BP-HZN-2179MDL00064902 - BP-HZN-2179MDL00064906
1975	Gulf of Mexico SPU - Drilling and Completions - Recommended practice for Risk Management	BP-HZN-2179MDL00332270 - BP-HZN-2179MDL00332326
1976	Role Definition - Title: Wells Team Leader.	BP-HZN-2179MDL00303972 - BP-HZN-2179MDL00303973
1977	E-Mail - From: Hafle, Mark E Sent: Mon Apr 19 20:28:40 2010 Subject: Got any diagrams	BP-HZN-MBI 00128965 - BP-HZN-MBI 00128967 DHCIT-ASX-7397734 - DHCIT-ASX-7397736

Documents, Data and Information Considered

Exhibit No.	Description	Bates Number
1978	E-Mail - From: Clawson, Bryan R Sent: 2/24/2010 10:35:38 2010 Subject: RE: Macondo - 11-7/8" Float Equipment Question	WFT-MDL-00017418 - WFT-MDL-00017427
1979	E-Mail - From: Gill, Dalton M (Clover) Sent: Thu Dec 24 14:21:41 2009 - Subject: Allocation Table	BP-HZN-2179MDL01309364
1980	Jim Cowie Notes (Handwritten Notes)	BP-HZN-BLY00061444
1981	Deepwater Horizon Accident Investigation Report - dated September 8, 2010	
1982	E-Mail - From: Sepulvado, Murray R Sent: Tue Aug 04 11:09:13 2009 - Subject: MurraySepulvado2009.doc	BP-HZN-2179MDL01309357 - BP-HZN-2179MDL01309363
1983	Annual Individual Performance Assessment - Name: Murray Sepulvado	BP-HZN-2179MDL01308152 - BP-HZN-2179MDL01308156
1984	Annual Individual Performance Assessment - Name: Murray Sepulvado	BP-HZN-2179MDL01308980 - BP-HZN-2179MDL01308984
1985	E-Mail - From: Walz, Gregory S Sent: Tue Apr 13 23:09:15 2010 - Subject: FW: Slides for TD forward plan	BP-HZN-2179MDL01027526 - BP-HZN-2179MDL01027540
1986	MC 252 #1 (Macondo): TD forward Plan Review: Production Casing & TA Options	BP-HZN-2179MDL00357044 - BP-HZN-2179MDL00357053
1987	Wellbore Positive and Negative Pressure Testing Interim Guidance	BP-HZN-2179MDL0685285 - BP-HZN-2179MDL0685286
1988	E-Mail - From: Burns, Tim A [Tim.Burns@bp.com] Sent: Wednesday, April 14, 2010 10:26 AM - Subject: Horizon Info	TRN-USCG-MMS-00058232 TRN-MDL-000301189 TDR012-014637
1989	E-Mail - From: Morel, Brian P Sent: Mon Apr 12 17:57:25 2010 - Subject: Rev 1 Procedure	BP-HZN-CEC-022820 BPC003-001525 BP-HZN-CEC-009107 - BP-HZN-CEC-009127
1990	E-Mail - From: Sepulvado, Ronald W Sent: Tue Apr 13 08:54:16 2010 - Subject: RE: Rev 1 Procedure	BP-HZN-MBI00126320
1991	E-Mail - From: Sepulvado, Ronald W Sent: Tue Apr 13 20:32:26 2010 - Subject: RE: Rev 1 Procedure	BP-HZN-MBI00126585 - BP-HZN-MBI00126586 BPD107-214986 - BPD107-214987
1992	E-Mail - From: Morel, Brian P Sent: Tue Apr 20 15:43:23 2010 - Subject: Ops Note	BP-HZN-BLY00071107 BPD119-009046
1993	Deepwater Horizon Accident Investigation Report - dated September 8, 2010	
1994	BP - OCS-G32306 001 ST00BP01, Mississippi Canyon 252, Macondo, Last 2 hours before end of transmission	
1995	BP - OCS-G32306 001 ST00BP01, Mississippi Canyon 252, Macondo, Last 2 hours before end of transmission	

Documents, Data and Information Considered

Exhibit No.	Description	Bates Number
1996	GoM Exploration and Appraisal Communication Plan (September 2009, Rev. 3)	
1997	E-Mail - From: Morel, Brian P Sent: Wed Apr 14 19:24:50 2010 - Subject: RE: Forward Ops	
1998	E-Mail - From: Morel, Brian P Sent: Fri Apr 16 04:38:03 2010 - Subject: Updated Procedure	
1999	E-Mail - From: Vidrene, Don J Sent: Fri Apr 16 11:23:02 2010 - Subject: FW: Modification of Permit to Bypass at Location Surface Lease: G32306 Surface Area: MC Surface Block: 252 Bottom Lease: G32306 Bottom Area: MC Bottom Block: 252 Well Name: 001 Assign	BP-HZN-2179MDL00096758 BP-HZN-2179MDL00161671 - BP-HZN-2179MDL00161674
2096	bp - Module #7: BP Wells Engineer OJT Module	BP-HZN-2179MDL01342044 - BP-HZN-2179MDL01342052
2097	Module 5: Deepwater BOP and Riser Systems	BP-HZN-2179MDL01283523 - BP-HZN-2179MDL01283544 BP-HZN-2179MDL0128351
2098	Formulas and Calculations for Drilling, Production and Work-over.	BP-HZN-2179MDL01338583 - BP-HZN-2179MDL01338755
2099	BP Drilling and Well Operations Policy (BPA-D-001)	
2100	E-Mail - From: Shade LeBlanc Sent: Tue Apr 21 14:58:47 2009 - Subject: FW: Proposed Testing Protocol and Test Matrix	HAL_0513479 - HAL_0513480
2101	Proposed Cement Slurry and Spacer Testing Protocol and Test Matrix for BP - Deepwater GOM	HAL_0513482 - HAL_0513503
2102	Proposed Test Matrix for bp GOM.xls	HAL_0513481
2103	SPE 127718 - A Novel Approach for the Controlling of Whole Mud Losses while Encountering Productive Formations	BP-HZN-2179MDL00780363 - BP-HZN-2179MDL00780363
2104	Optimized Deepwater Cement Design for Record Length Expandable Liner	
2105	BP Investigation Summary	HAL_0513396-1
2106	E-Mail - From: Stephanie Korczynski Sent: Wed May 05 14:56:27 2009 - Subject: RE: GoM Foamed Productions casing or Liners	HAL_0503291 - HAL_0503297
2107	Cementing - Zonesal or foam with tubulars (modified 2010-06-10) Minimum Water Depth: '1500'	HAL_0502926-1
2108	E-Mail - From: Stephanie Korczynski Sent: Thu Jun 10 12:11:23 2010 - Subject: RE: GOM Deepwater Foam Jobs	HAL_0502924 - HAL_0502925
2109	E-Mail - From: Michael Serio Sent: Thu Aug 12 11:14:37 2010 - Subject: FW: GFP data	HAL_0129713 - HAL_0129714

Documents, Data and Information Considered

Exhibit No.	Description	Bates Number
2110	E-Mail - From: Mike Viator Sent: Thu Aug 12 16:00:28 2010 - Subject: RE: GFP data	HAL_0129435 - HAL_0129439
2111	E-Mail - From: Ronnie Faul Sent: Thu Aug 12 10:27:13 2010 - Subject: RE: Gas mig add data - Livelink 13 KB	HAL_0513535
2112	E-Mail - From: Tokes Adoun Sent: Mon Sep 20 08:32:20 2010 - Subject: FW: Nitrogen equipment safety processes and procedures	HAL_0130200 - HAL_0130202
2113	E-Mail - From: Paul Osborne Sent: Tue Nov 02 11:08:08 2010 - Subject: RP 65 part 2	HAL_0513544 - HAL_0513546
2114	E-Mail - From: Michael Serio Sent: Mon Oct 11 11:25:31 2010 - Subject: FW: RP 65 part 2	HAL_0129474 - HAL_0129579
2115	Instructions for Completion of Key Cementing Parameters for Isolation of Flow Zones in Offshore Wells	HAL_0129580-1
2116	E-Mail - From: Jesse Gagliano Sent: Wednesday, April 21, 2010 3:47 PM - Subject: Additional Horizon Info	HAL_0028324 - HAL_0028325
2117	9 7/8"X 7" FOAMED PRODUCTION CASING DESIGN POST JOB REPORT	HAL_0513321 - HAL_0513334
2118	E-Mail - From: Mike Viator Sent: Wed Aug 18 10:18:09 2010 - Subject: Updated report	HAL_0129279 - HAL_0129295
2119	E-Mail - From: Michael Serio Sent: Fri April 30 09:54:05 2010 - Subject: FW: GOM org Chart	HAL_0125555
2120	E-Mail - From: Nathaniel Chaisson Sent: Tue May 04 17:48:15 2010 - Subject: RE: BP Post Job Report	HAL_0513566 - HAL_0513567
2121	Cementing of Fragile Formation Wells With Foamed Cement Slurries	
2122	Deepwater Primary Cementing: Behind the Shallow Water Flows	HAL_0045340 - HAL_0045449
2123	Predicting potential gas-flow rates to help determine the best cementing practices	
2124	High Temperature High Pressure Applications	
2125	CEMENTING: Predicting Potential Gas-Flow Rates to Help Determine the Best Cementing Practices	
2126	Tab 6: Opticem screenshot	
2127	Handwritten Notes	
2128	CEMENTING: ZoneSeal Isolation Process	
2129	Cementing: Foam Delivers Long-Term Zonal Isolation and Decreases Remedial Costs	
2130	Cementing: Opticem RT Cement Job Design and Simulation System	

Documents, Data and Information Considered

Exhibit No.	Description	Bates Number
2131	CEMENTING: Innovative Cement Enhancements - Proven Techniques for a Successful Cement Job: Planning, Testing & Evaluation	
2132	SPE 96108 - Foamed Conventional Lightweight Cement Slurry for Ultralow Density and Low ECDs Solves Lost-Circulation Problem Across Coal Formations: A Case History	
2133	US Land-Offshore Cementing Work Methods	
2134	Cementing - Zonesal or foam with tubulars (modified 2010-06-10) Minimum Water Depth: '1500' {Oversized Graph}	
2162	Transocean - Career Center-North American Offshore Fleet-Current Job Opening-First Assistant Engineer	
2163	Transocean - Training History List Profile	
2164	723PLUS Digital Control Standard Applications	
2165	ModuSpec - RST PIPE Vent Lines and Checks	MODUSA 000088
2166	May 1, 2010 Letter to Mr. Hymel From J. Brent Mansfield, First Engineer	
2167	Deepwater Horizon - BP CMID Audit Work list September 2009	TRN-MDL-00374741 - TRN-MDL-00374770
2168	Transocean - Rig Hardware Assessment Definitions	TRN-MDL-00406383 - TRN-MDL-00406399
2169	May 4, 2010 Letter to Brett Swanner, Adjuster From Scott M. Schlesinger, M.D.	TO-J-Med 000048 - TO-J-Med 000050
2170	May 11, 2010 Letter to Dr. Schlesinger From David R. Rozas, M.D.	TO-J-Med 000057 - TO-J-Med 000058
2171	May 11, 2010 Letter to Brett Swanner, Adjuster From Scott M. Schlesinger, M.D.	TO-J-Med 000059
2172	Clinical Notes - Patient: James Brent Mansfield	TO-J-Med 000067
2173	OFFICE CONSULTATION - 05/28/10 Re: James Brent Mansfield	TO-J-Med 000071
2174	NEUROPHYSIOLOGICAL EVALUATION - 6/1/2010 Re: James Brent Mansfield	TO-J-Med 000073 - TO-J-Med 000087
2175	6/3/2010 Letter to David Axelrad, M.D. From Randolph W. Evans, MD	TO-J-Med 000088 - TO-J-Med 000095
2176	OFFICE CONSULTATION - 06/03/10 Re: James Mansfield	TO-J-Med 000096
2177	Day One Physical Therapy COMMUNICATION FORM Patient Name: James Brent Mansfield	TO-J-Med 000098 - TO-J-Med 000125
2178	OFFICE CONSULTATION - 08/05/10 Re: James Mansfield	TO-J-Med 000128

Documents, Data and Information Considered

Exhibit No.	Description	Bates Number
2179	Day One Physical Therapy DISCHARGE NOTE Patient Name: MANSFIELD, JAMES	TO-J-Med 000129
2180	FORENSIC PSYCHIATRIC CONSOLATION	TO-J-Med 000131 - TO-J-Med 000165
2200	bp - NAX - DW Gulf of Mexico Deepwater Well Control Guidelines	BP-HZN-2179MDL01340115 - BP-HZN-2179MDL01340134
2201	<i>Running BOP with Riser</i>	BP-HZN-2179MDL01341376 - BP-HZN-2179MDL01341380
2202	MMS COMPLIANCE TRACKING DOCUMENT (5/15/2011 10:37 AM) DRILLING INSPECTION	
2203	Wellsite Leader of the Future Deepwater Program	
2204	E-Mail - From: Breazeale, Martin M Sent: Sun Oct 04 13:53:15 2009 - Subject: Roles and Responsibilities Model	BP-HZN-2179MDL01269917 - BP-HZN-2179MDL01269918
2205	bp - Technical Elements - Sr. Wellsite Leader	
2206	bp - D&C INTERVENTIONS AND COMPLETIONS NEW EMPLOYEE MANUAL	BP-HZN-2179MDL01026591 - BP-HZN-2179MDL01026643
2207	Module #3 DEEPWATER ORGANIZATION STRUCTURE	BP-HZN-2179MDL00400373 - BP-HZN-2179MDL00400383
2208	acona wellpro - YOUR COMPETENCE PROVIDER. LEAVE IT TO US!	BP-HZN-2179MDL01338912 - BP-HZN-2179MDL01338959
2209	Module 5: Deepwater BOP and Riser Systems	BP-HZN-2179MDL01336399 - BP-HZN-2179MDL01336418 BPD178-000544 - BPD178-000563
2210	E-Mail - From: Shaughnessy, John M Sent: Wed Aug 25 17:30:26 2010 - Subject: Well Control Supplement from GomX	BP-HZN-2179MDL00644975 BP-HZN-2179MDL00644995
2211	Module #3 DEEPWATER ORGANIZATION STRUCTURE	BP-HZN-2179MDL01341303 BP-HZN-2179MDL01341303
2212	E-Mail - From:Emmerson, Tony C Sent: Mon Jul 20 20:15:00 2009 - Subject: RE: TH WSL Roles & Responsibilities with 2 working Days	BP-HZN-2179MDL01337482 - BP-HZN-2179MDL01337483
2213	E-Mail - From: Wise, Michael Sent: Wed Mar 31 21:38:43 2010 - Subject: Sr. WSL 10 YR Plan Pack & Poster - For Review	BP-HZN-2179MDL01337660
2214	E-Mail - From: Lambert, Lee Sent: Tue Apr 20 16:44:50 2010 - Subject: Macondo Daily	BP-HZN-2179MDL00361828
2215	E-Mail - From: Breazeale, Martin M Sent: Wed Apr 14 15:27:27 2010 - Subject: Breazeale 2009 Annual Performance Assessmant.doc	BP-HZN-2179MDL01336012 - BP-HZN-2179MDL01336015
2216	E-Mail - From: Feyereisen, Seth B Sent: Sat Jun 26 20:17:30 2010 - Subject: FW: Well Control Response Guide	BP-HZN-2179MDL01338758 - BP-HZN-2179MDL01338813

Documents, Data and Information Considered

Exhibit No.	Description	Bates Number
2217	MMS COMPLIANCE TRACKING DOCUMENT (5/13/2011 10:20 AM) DRILLING INSPECTION	
2218	E-Mail - From: Shaughnessy, John M Sent: Thu Feb 15 14:33:47 2007 - Subject: GomX Well control Guidelines	BP-HZN-2179MDL01340114
2219	Transocean - Personnel On-Board As of 30 Mar 2010 13:13:55	TRN-USCG-MMS-00030271 - TRN-USCG-MMS-00030284 TRN-MDL-00030271 - TRN-MDL-00030284
2220	E-Mail - From: Splawn, Robert(hamilton engineering) [Robert.Splawn@bp.com] Sent: 4/20/2010 3:01 PM - Subject: GomX Well control Guidelines	DRQ00000783
2221	E-Mail - From: Daigle, Keith G Sent: Mon Apr 05 18:06:50 2010 - Subject: April WSL Meeting Agenda	BP-HZN-2179MDL00302861 - BP-HZN-2179MDL00302863
2222	E-Mail - From: Shaughnessy, John M Sent: Fri Jan 15 14:03:51 2010 - Subject: Well Control Refresher Tuesday the 19th	BP-HZN-2179MDL01300897 - BP-HZN-2179MDL01300904
2223	E-Mail - From: Breazeale, Martin M Sent: Tue Jul 17 12:55:59 2010 - Subject: Fw: DWOP	BP-HZN-2179MDL01282938 - BP-HZN-2179MDL01283036
2224	E-Mail - From: Lambert, Lee Sent: Sun Dec 13 14:13:28 2009 - Subject: Rig Documentation	BP-HZN-2179MDL01335957
2225	E-Mail - From: Lambert, Lee Sent: Mon Nov 08 19:374:50 2010 - Subject: 30 CFR 250	BP-HZN-2179MDL01337551
2226	Drilling & Completions MOC Initiate (date initiated 4/14/2010)	BP-HZN-BLY0006818
2227	E-Mail - From: Guillion, Steve D (Clover Staffing) Sent: Mon Feb 01 17:11:39 2010 - Subject: RE: Macondo lock down sleeve	BP-HZN-2179MDL00359943 - BP-HZN-2179MDL00359947
2228	Handwritten Notes (Diagram)	
2229	U.S. Coast Guard Witness Statement - Ross Randy Skidmore, dated 4-21-2010	
2230	Memorandum To: Energy and Environment Subcommittee Members and Staff - June 28, 2010	
2231	E-Mail - From: Skidmore, Ross (SWIFT TECHNICAL SERVICES) Sent: Mon Nov 02 20:56:16 2009 - Subject: RE: LDS/LIT Procedure Review	BP-HZN-2179MDL00351006
2232	E-Mail - From: Tippetts, Brad Sent: Mon Feb 01 21:50:06 2010 - Subject: Macondo 5-day planner	BP-HZN-2179MDL00270254
2233	E-Mail - From: Tippetts, Brad Sent: Tue Mar 02 22:02:56 2010 - Subject: FW: LDS/LIT XO on Horizon - Final Plan	BP-HZN-2179MDL00001850 - BP-HZN-2179MDL00001852
2234	E-Mail - From: Morel, Brian P Sent: Thu Apr 08 17:15:46 2010 - Subject: FW: LDS Measurement Tool	BP-HZN-2179MDL00305432 - BP-HZN-2179MDL00305433

Documents, Data and Information Considered

Exhibit No.	Description	Bates Number
2235	E-Mail - From: Morel, Brian P Sent: Mon Apr 12 17:19:29 2010 - Subject: RE: CONFIRM LDS Measurement Tool Location - DRIL QUIP TOOL BOX	BP-HZN-2179MDL00048824 - BP-HZN-2179MDL00048825
2236	E-Mail - From: Morel, Brian P Sent: Fri Apr 16 16:37:34 2010 - Subject: FW: Macondo Temporary Abandonment Procedure for MMS	BP-HZN-2179MDL00048527 - BP-HZN-2179MDL00048531
2237	E-Mail - From: Tippetts, Brad Sent: Tue Apr 20 18:12:50 2010 - Subject: RE: Macondo Daily Report 4.19.2010	BP-HZN-2179MDL00022129
2238	E-Mail - From: Skidmore, Ross (SWIFT TECHNICAL SERVICES) Sent: Tue Apr 20 22:52:08 2010 - Subject: Wash run prior to LIT	BP-HZN-2179MDL00317602
2239	E-Mail - From: KD Davis Sent: Tue Apr 20 20:57:41 2010 - Subject: RE: Deepwater Horizon 5 Day Planner	BP-HZN-2179MDL00034097 - BP-HZN-2179MDL00034098
2240	E-Mail - From: Guide, John Sent: Tue Apr 20 23:27:40 2010 - Subject: RE: Wash run prior to LIT	BP-HZN-2179MDL00317604
2241	DRIL-QUIP <i>RUNNING THE</i> FLOW BY STYLE LOCK-DOWN SLEEVE	BP-HZN-MBI00118999 - BP-HZN-MBI00119026
2242	E-Mail - From: Morel, Brian P Sent: Tue Apr 13 12:13:29 2010 - Subject: FW: Macondo	BP-HZN-2179MDL00045111
2243	E-Mail - From: Morel, Brian P Sent: Mon Apr 19 15:33:04 2010 - Subject: RE: 6 5/8" Drill Pipe ppf?	BP-HZN-2179MDL00373827 - BP-HZN-2179MDL00373831
2244	E-Mail - From: Tippetts, Brad Sent: Mon Apr 12 15:05:47 2010 - Subject: RE: CONFIRM LDS Measurement Tool Location - DRIL QUIP TOOL BOX	BP-HZN-2179MDL00033665 - BP-HZN-2179MDL00033665
2245	E-Mail - From: Eaton, Richard J Sent: Fri Oct 09 23:11:49 2009 - Subject: OpCo risk review	BP-HZN-2179MDL01443369 - BP-HZN-2179MDL01443372
2246	E-Mail - From: Allen, Gaylene (Contractor) Sent: Fri Mar 08 13:59:28 2009 - Subject: *printed* Bp Briefing Book	BP-HZN-2179MDL0085288 - BP-HZN-2179MDL0085472
2247	E-Mail - From: Inglis, Andy G (UPSTREAM) Sent: Wed Oct 14 22:17:59 2009 - Subject: SLT pre-read - 20/21 Oct 2009	BP-HZN-2179MDL00980449 - BP-HZN-2179MDL00980481
2248	E-Mail - From: Verchere, Christina C Sent: Tue Oct 27 20:54:03 2009 - Subject: SLT pre-read - 20/21 Oct 2009	BP-HZN-2179MDL00985757 - BP-HZN-2179MDL00985767
2249	E-Mail - From: Employee Communications Sent: Tue Feb 02 07:12:34 2010 - Subject: Results message from Tony Hayward	BP-HZN-2179MDL00747543

Documents, Data and Information Considered

Exhibit No.	Description	Bates Number
2250	E-Mail - From: Inglis, Andy G (UPSTREAM) Sent: Thu Jun 25 11:43:58 2009 - Subject: 7th July Meeting	BP-HZN-2179MDL01444561 - BP-HZN-2179MDL01444644
2251	E-Mail - From: Mason, Howard Sent: Sat Jun 06 19:18:50 2009 - Subject: Well work update	BP-HZN-2179MDL01434343 - BP-HZN-2179MDL01434343
2252	E-Mail - From: Mason, Howard Sent: Wed Nov 04 08:35:21 2009 - Subject: 2009 Well Work Summary Paper - AGI Question at SLT	BP-HZN-2179MDL01438397 - BP-HZN-2179MDL01438405
2253	E-Mail - From: Suttles, Doug J Sent: Fri Apr 24 13:18:16 2009 - Subject: PerFest	BP-HZN-2179MDL01462339 - BP-HZN-2179MDL01462358
2254	E-Mail - From: Armstrong, Ellis Sent: Tue Feb 02 14:32:35 2010 - Subject: FW: Our next mission - SLT pack!	BP-HZN-2179MDL01453107 - BP-HZN-2179MDL01453155
2255	E&P Segment SLT pack	BP-HZN-2179MDL00993765 - BP-HZN-2179MDL00993781
2256	E-Mail - From: Bauer, Brian Sent: Fri Feb 12 21:34:08 2010 - Subject: Draft Pre-reads for Wednesday's Backbone Exec Meeting	BP-HZN-2179MDL01451630 - BP-HZN-2179MDL01451727
2257	E-Mail - From: Armstrong, Ellis Sent: Fri Dec 04 00:50:10 2009 - Subject: FW: 2010 IPCs	BP-HZN-2179MDL01449396 - BP-HZN-2179MDL01449398
2258	E-Mail - From: Verchere, Christina C Sent: Fri Feb 05 18:41:15 2010 - Subject: SLT Pre-read - 10/11 Feb 2010	BP-HZN-2179MDL00993710 - BP-HZN-2179MDL00993781
2259	E-Mail - From: Wu, Kathy Sent: Fri Jan 15 16:05:26 2010 - Subject: 2010 Strategy Presentation - updated draft post12th Jan SET review	BP-HZN-2179MDL01463845 - BP-HZN-2179MDL01463845
2260	E-Mail - From: Yilmaz, Barbara Sent: Tue Jan 19 14:21:48 2010 - Subject: 2010_Critical_Wells_Final_Internal_Pack 1_18_10 Master v3.ppt	BP-HZN-2179MDL01454784 - BP-HZN-2179MDL01454806
2261	E-Mail - From: Maclellan, Karen Sent: Fri Feb 26 19:14:27 2010 - Subject: OPR pre-read version 1 attached	BP-HZN-2179MDL01453268 - BP-HZN-2179MDL01453308
2262	E-Mail - From: Denholm, Marty Sent: Mon Mar 01 17:58:22 2010 - Subject: RE: 2010 NWD Capital Options	BP-HZN-2179MDL00321282 - BP-HZN-2179MDL00321283
2263	E-Mail - From: Inglis, Andy G (UPSTREAM) Sent: Fri Mar 12 18:08:46 2010 - Subject: 1Q Performance	BP-HZN-2179MDL00975965 - BP-HZN-2179MDL00976004
2264	E-Mail - From: Yilmaz, Barbara Sent: Fri Mar 05 14:06:55 2010 - Subject: FW: Purple Book	BP-HZN-2179MDL01464525 - BP-HZN-2179MDL01464537
2265	E-Mail - From: Suttles, Doug J Sent: Wed Mar 24 22:57:03 2010 - Subject: Purple Book Pre-read	BP-HZN-2179MDL01464112 - BP-HZN-2179MDL01464208

Documents, Data and Information Considered

Exhibit No.	Description	Bates Number
2266	E-Mail - From: Phillips, Caitlin L Sent: Fri Mar 19 12:57:05 2010 - Subject: Pre-read: Resource Planning Meeting (RPM) March	BP-HZN-2179MDL01463140 - BP-HZN-2179MDL01463348
2267	E-Mail - From: Suttles, Doug J Sent: Mon Apr 19 02:24:06 2010 - Subject: FW: Sector Leadership Update (to inform prior to SET Monday Op mtg)	BP-HZN-2179MDL01434943
2268	E-Mail - From: Suttles, Doug J Sent: Thu Mar 04 20:59:39 2010 - Subject: GoM Rig Call	BP-HZN-2179MDL00281190
2269	E-Mail - From: Dupree, James H Sent: Thu Mar 04 21:02:53 2010 - Subject: Accepted: GoM Rig Call	BP-HZN-2179MDL00281191
2270	E-Mail - From: Dupree, James H Sent: Mon Mar 01 14:06:44 2010 - Subject: FW: GL Meeting, Orlando - Admin note	BP-HZN-2179MDL00277701 - BP-HZN-2179MDL00277703
2271	E-Mail - From: Sprague, Jonathan D Sent: Tue Apr 06 19:38:10 2010 - Subject: Visit with Doug Suttles	BP-HZN-2179MDL00320642 - BP-HZN-2179MDL00320647
2272	E-Mail - From: Yeley, Ryan Sent: Tue Apr 13 14:12:04 2010 - Subject: RE: Final Agenda for tomorrow's Suttle review	BP-HZN-2179MDL01124799 - BP-HZN-2179MDL01124933
2273	E-Mail - From: Wallace, Jane C. HOU)Sent: Tue Apr 20 15:49:12 2010 - Subject: FW: Major Incident Notification - SMCHD0000002036512 - Microsoft Exchange servers are unavailable	BP-HZN-2179MDL01439980 - BP-HZN-2179MDL01439982
2274	E-Mail - From: Suttles, Doug J Sent: Wed Apr 07 19:36:57 2010 - Subject: Houston Astros vs. Florida Marlins	***Multiple/Non-Consecutive***
2275	2010 Houston Astros Season Schedule	
2276	E-Mail - From: Suttles, Doug J Sent: Fri Apr 24 13:18:16 2009 - Subject: PerFest	BP-HZN-2179MDL01462339 BP-HZN-CEC 026501 - BP-HZN-CEC 026519
2277	E-Mail - From: Yilmaz, Barbara Sent: Thu Apr 30 23:04:40 2009 - Subject: FW: TO conversation	BP-HZN-CEC 026436
2278	E-Mail - From: Replogle, Dan R. Sent: Tue Jun 16 17:54:46 2009 - Subject: FW: For Review and Comment: Thunder Horse Frontiers Article	BP-HZN-CEC 077459 - BP-HZN-CEC 077499
2279	Crude Oil Price History	
2280	E-Mail - From: Armstrong, Ellis Sent: Fri Aug 28 21:06:29 2009 - Subject: ETM pre-read board pack	BP-HZN-2179MDL01462359 - BP-HZN-2179MDL01462414
2281	E-Mail - From: Morel, Brian P Sent: Mon Apr 12 12:12:47 2010 - Subject: RE: Macondo times	BP-HZN-2179MDL00020934
2282	E-Mail - From: Gates, Jayne Sent: Sun Apr 11 21:31:55 2010 - Subject: RE: Pompano - Suttles Review 2010_04.ppt	BP-HZN-2179MDL0008880

Documents, Data and Information Considered

Exhibit No.	Description	Bates Number
2283	E-Mail - From: Morel, Brian P Sent: Tue Apr 13 12:13:29 2010 - Subject: RE: Macondo	BP-HZN-2179MDL00045111
2284	E-Mail - From: Sims, David C Sent: Mon Apr 19 21:44:15 2010 - Subject: RE: MMS SOO Request for Kaskida - Horizon Rig	BP-HZN-2179MDL00003007 - BP-HZN-2179MDL0000300712 BP-HZN-2179MDL00001970 - BP-HZN-2179MDL00001971
2285	April 29, 2010 Letter to Mr. Kevin Karl From Dale B. Morrison	BP-HZN-2179MDL00250838 - BP-HZN-2179MDL00250840
2286	E-Mail - From: Suttles, Doug J Sent: Mon Jul 26 00:08:24 2010 - Subject: RE: Wash. Post reports your job status "tenuous"	BP-HZN-2179MDL01452039 - BP-HZN-2179MDL01452040
2287	bp - 2005 Plan	BP-HZN-2179MDL01433806 - BP-HZN-2179MDL01433816
2288	bp - GOM Overview for Doug Suttles (April 13, 2010)	BP-HZN-2179MDL01437553 - BP-HZN-2179MDL01437623
2289	Forums on Offshore Drilling <i>Oil Spill Preparedness & Response</i> - Biloxi, Mississippi, September 10, 2010	
2290	Forums on Offshore Drilling <i>Oil Spill Preparedness & Response</i> - Lafayette, Louisiana, September 13, 2010	
2291	STOPPING THE SPILL: THE FIVE-MONTH EFFORT TO KILL THE MACONDO WELL	
2292	"Source Control" Briefing for Admiral Allen - 8 May 2010	BP-HZN-2179MDL01436297 - BP-HZN-2179MDL01436301
2293	Safety performance talking points	BP-HZN-2179MDL01440409 - BP-HZN-2179MDL01440414
2294	<i>Summary of BP Environmental Performance</i>	BP-HZN-2179MDL01433828 - BP-HZN-2179MDL01433850
2295	H. Lamar McKay, Chairman & President, BP America Responses for US House Energy and Commerce Subcommittee on Energy and Environment - Pre-hearing Questions (June 15, 2010)	
2296	Oil spill cleanup technology underfunded	
2297	Oil Spill Containment, Remote Sensing and Tracking For Deepwater Blowouts: Status of Existing and Emerging Technologies <i>Final Report</i>	BP-HZN-2179MDL01426137 - BP-HZN-2179MDL01426257
2298	E-Mail - From: Vining, David B Sent: Thu Aug 05 00:21:34 2010 - Subject: MC 252 Cost Update for August 4	BP-HZN-2179MDL01447219 - BP-HZN-2179MDL01447221
2299	Industry Initiatives to Ensure Safe, Protective Drilling Practices in the Deepwater Gulf of Mexico: The Marine Well Containment System	

Documents, Data and Information Considered

Exhibit No.	Description	Bates Number
2300	E-Mail - From: Morel, Brian P Sent: Tuesday April 20, 2010 10:43 AM - Subject: Ops Note	
2301	Daily Drilling Report (dated 19-Apr-2010)	TRN-USCG-MMS-00011638 - TRN-USCG-MMS-00011643
2302	Safety Drill Report - Dated: 07 Mar 2010	BP-HZN-MBI00167558 - BP-HZN-MBI00167559
2303	E-Mail - From: Morel, Brian P Sent: Thu Apr 01 01:32:34 2010 - Subject: Updated Drilling Procedure Rev2	BP-HZN-MBI00117532 - BP-HZN-MBI00117542
2304	Gulf of Mexico SPU - Drilling and Completions - Recommended practice for Risk Management	BP-HZN-2179MDL00332270 - BP-HZN-2179MDL00332326
2331	Photograph	
2332	Transocean - DEEPWATER HORIZON RIG GENERAL ARRANGEMENTS, SECOND DECK	BP-HZN-BLY0016195 - BP-HZN-BLY0016196
2333	Photograph	
2334	Photograph	
2335	U.S. Coast Guard Witness Statement - Craig Breland, dated 4-21-2010	TRN-HCJ-00120931 TRN-MDL-00265433
2336	Transocean - Training History List Profile	BP-HZN-BLY00333064 - BP-HZN-BLY00333067 BPD180-025292 - BPD180-025295
2337	E-Mail - From: Sepulvado, Ronald W Sent: Fri Apr 16 09:57:31 2010	BP-HZN-2179MDL00002042 - BP-HZN-2179MDL00002044
2338	Transocean SedcoForex - TASK SPECIFIC THINK PROCEDURE	TRN-MDL-00767397 - TRN-MDL-00767399
2339	Transocean SedcoForex - DEEPWATER HORIZON LIEBHERR CRANE	TRN-MDL-00767366
2340	bp - North Sea (UK) - Crane Block Equipment Dropped Object HiPo	TRN-MDL-00767715 - TRN-MDL-00767715
2341	bp - Egypt - Service Loop Retaining Bar Mechanism Dropped Object HiPo	TRN-MDL-00767707 - TRN-MDL-00767707
2342	Safety Drill Report - Dated: 17 Feb 2010	TRN-HCJ-00088898 - TRN-HCJ-00088921
2393	E-Mail - From: Skelton, Cindy K Sent: Mon Dec 03 15:20:07 2007 - Subject: SPU Top Risks - 4 Dec 07 - .ppt	BP-HZN-2179MDL001536619 - BP-HZN-2179MDL001536645
2394	bp - Gulf of Mexico Strategic Performance Unit Oil & Gas Operations	BP-HZN-2179MDL001641663 - BP-HZN-2179MDL001641673 BPD188-011180 - BPD188-011190
2395	DRAFT 2008 Performance Contract	BP-HZN-2179MDL00104600 - BP-HZN-2179MDL00104601 BPD113-039610 - BPD113-039611

Documents, Data and Information Considered

Exhibit No.	Description	Bates Number
2396	The BP Operating Management System Framework - Part 1 An overview of OMS	BP-HZN-2179MDL00333196 - BP-HZN-2179MDL00333154
2397	E-Mail - From: Garner, Stan E. Sent: Mon Jan 28 19:37:46 2008 - Subject: QPR (HSSE & O Mgmt Comm) Agenda	BP-HZN-2179MDL00104323 - BP-HZN-2179MDL00104326
2398	E-Mail - From: Shaw, Neil Sent: Sat Feb 02 00:42:38 2008 - Subject: GOM Safety performance	BP-HZN-CEC056149 - BP-HZN-CEC056156
2399	E-Mail - From: Skelton, Cindy K Sent: Sun Feb 10 05:22:47 2008 - Subject: FW: PRINTED - Hazard Register Alignment slides	BP-HZN-2179MDL001535961 - BP-HZN-2179MDL001535962
2400	E-Mail - From: Suttles, Doug J Sent: Tue Jul 27 23:34:43 2010 - Subject: RE: Oil Spill Response	BP-HZN-2179MDL01447472 - BP-HZN-2179MDL01447474
2401	E-Mail - From: Suttles, Doug J Sent: Mon Aug 02 20:21:04 2010 - Subject: RE: Containment Development Cost	BP-HZN-2179MDL01447972 - BP-HZN-2179MDL01447973
2402	EXPERTISE THAT EXTENDS FROM LAND TO SEA <i>Panel Discussion</i> Bureau of Ocean Energy Management, Regulation and Enforcement, 13 September, 2010 - Lafayette, Louisiana	
2403	BUREAU OF OCEAN ENERGY MANAGEMENT ENFORCEMENT AND REGULATION Public Forum on Offshore Drilling Panelists and Elected Officials - Lafayette, Louisiana (Monday, September 13, 2010)	
2404	bp - Sector Leadership SET Sustain Phase Decision Meeting, June 2010	BP-HZN-2179MDL01433475 - BP-HZN-2179MDL01433507
2405	E-Mail - From: Suttles, Doug J Sent: Fri Aug 06 23:11:04 2010 - Subject: Re: Consideration for clarifying statement - URGENT	BP-HZN-2179MDL01447549 - BP-HZN-2179MDL01447551
2406	E-Mail - From: Suttles, Doug J Sent: Fri Aug 06 23:11:04 2010 - Subject: Re: Consideration for clarifying statement - URGENT	BP-HZN-2179MDL01444126 - BP-HZN-2179MDL01444128
2407	BP GULF OF MEXICO REGIONAL OIL SPILL RESPONSE PLAN	
2408	Flow rate of the oil leak	BP-HZN-2179MDL00991961 - BP-HZN-2179MDL00991962
2409	E-Mail - From: Bellow, Jonathan M Sent: Sat Apr 24 16:06:15 2010 - Subject: FW: Flow rate and production profile	BP-HZN-2179MDL00442709 - BP-HZN-2179MDL0044270914
2410	BP Major Incident Announcement URGENT	BP-HZN-2179MDL01626506 - BP-HZN-2179MDL01626507 BPD187-112955 - BPD187-112956

Documents, Data and Information Considered

Exhibit No.	Description	Bates Number
2411	E-Mail - From: Morrison, Richard Sent: Thu May 13 03:15:54 2010 - Subject: FW: LOTF letter to Gov Jindal	BP-HZN-2179MDL01452290 - BP-HZN-2179MDL01452295
2412	E-Mail - From: Malone, Ryan P Sent: Sat Apr 24 02:24:17 2010 - Subject: RE: Estimated Volume of release from drill pipe	BP-HZN-2179MDL00441598 BPD122-033260
2413	E-Mail - From: Malone, Ryan P Sent: Sat Apr 24 15:12:24 2010 - Subject: Fw: FLOW CALCULATIONS	BP-HZN-2179MDL00442673 - BP-HZN-2179MDL00442681 BPD122-034335 - BPD122-034343
2414	E-Mail - From: Malone, Ryan P Sent: Sat Apr 24 03:31:12 2010 - Subject: Riser Flow Calculation Difficulty	BP-HZN-2179MDL00441618 BPD122-033280
2415	E-Mail - From: Caldwell, Jason Sent: Tue Apr 27 02:27:34 2010 - Subject: Notes from 4/26 Afternoon Interface Meeting	BP-HZN-2179MDL00574166 - BP-HZN-2179MDL00574167 BPD122-165828 - BPD122-165829
2416	E-Mail - From: Caldwell, Jason Sent: Tue Apr 27 19:18:11 2010 - Subject: Notes from 4/27 Afternoon Interface Meeting	BP-HZN-2179MDL00574169 - BP-HZN-2179MDL00574170 BPD122-165831 - BPD122-165832
2417	E-Mail - From: Caldwell, Jason Sent: Wed Apr 28 00:59:59 2010 - Subject: REVIEW - Interface Meeting Notes	BP-HZN-2179MDL00449435 - BP-HZN-2179MDL00449436 BPD122-041097 - BPD122-041098
2418	E-Mail - From: Leary, Michael J Sent: Fri Apr 30 15:48:21 2010 - Subject: URGENT REVIEW REQUESTED BY 1200 Hours - BP Macondo Well Control Modeling	BP-HZN-2179MDL00452649 - BP-HZN-2179MDL00452650 BPD122-044311 - BPD122-044312
2419	E-Mail - From: Dupree, James H Sent: Sat May 15 22:53:33 2010 - Subject: Fw: BP flow observations	BP-HZN-2179MDL01463413 - BP-HZN-2179MDL01463427 BPD183-030081 - BPD183-030095
2420	July 6, 2010 Letter to Real Admiral James A. Watson from Douglas J. Suttles	BP-HZN-2179MDL01437916 - BP-HZN-2179MDL01437921 BPD183-004584 - BPD183-004589
2421	NATIONAL OIL SPILL COMMITTEE MEETING CONDUCTED ON MONDAY, NOVEMBER 8, 2010	
2422	E-Mail - From: Rainey, David I Sent: Sun Apr 25 19:07:27 2010 - Subject: RE: Exploration Plan and permits	BP-HZN-2179MDL00443559
2423	E-Mail - From: Suttles, Doug J Sent: Sat Jun 19 23:32:49 2010 - Subject: RE: MC 252 worse than Exxon Valdez ??	BP-HZN-2179MDL01453636 - BP-HZN-2179MDL01453638
2424	ICS 207 - Organization Chart	BP-HZN-2179MDL00593599
2425	ICS 207 - Organization Chart	BP-HZN-2179MDL00593906
2426	ICS 207 - Organization Chart	BP-HZN-2179MDL00597536

Documents, Data and Information Considered

Exhibit No.	Description	Bates Number
2427	ICS 207 - Organization Chart	BP-HZN-2179MDL00594208
2428	E-Mail - From: Verchere, Christina C Sent: Tue Oct 27 20:54:03 2009 - Subject: CONFIDENTIAL: GL/SLL Telecon - Sector Leadership AGI's script	BP-HZN-2179MDL00985757 - BP-HZN-2179MDL00985767
2429	bp - E&P Segment Leadership Team 2-3 June 2009	BP-HZN-2179MDL00981514 - BP-HZN-2179MDL00981651
2430	THE REPORT OF The BP Refineries Independent Safety Review Panel	BP-HZN-2179MDL01022710 - BP-HZN-2179MDL01023083
2431	SEEAC pre-read for 24th March 2010 - E&P's Approach to US Regulatory Compliance	BP-HZN-2179MDL00085280 - BP-HZN-2179MDL00085287
2432	bp - e&pbackbone: Introduction to the Backbone Program	BP-HZN-2179MDL01094595 - BP-HZN-2179MDL01094620
2433	Text Messages	BP-HZN-2179MDL01453501 - BP-HZN-2179MDL01453555
2434	E-Mail - From: Maguire, Niall J Sent: Wed Apr 21 07:49:47 2010 - Subject: FW: Revised holding statement to be used in response to media calls	BP-HZN-2179MDL01450770
2435	E-Mail - From: Suttles, Doug J Sent: Mon Aug 02 20:21:04 2010 - Subject: RE: Containment Development Cost	BP-HZN-2179MDL014444186 - BP-HZN-2179MDL014444187
2436	E-Mail - From: Suttles, Doug J Sent: Fri Aug 06 23:11:04 2010 - Subject: Re: Consideration for clarifying statement - URGENT	BP-HZN-2179MDL014444126 - BP-HZN-2179MDL014444128
2500	E-Mail - From: Shaw, Neil Sent: Tue Jan 06 23:51:23 2009 - Subject: GOM - 2008 Performance	BP-HZN-CEC061219 - BP-HZN-CEC061221
2501	E-Mail - From: Skelton, Cindy K Sent: Thu Jan 15 21:59:17 2009 - Subject: FW: SPU Policy for Operating Procedures: 2030-T2-CN-PL-000001	BP-HZN-2179MDL01119751 - BP-HZN-2179MDL01119793
2502	E-Mail - From: Morrison, Richard Sent: Sun Feb 22 23:19:30 2009 - Subject: Safety Dialog with OIM's	BP-HZN-2179MDL00110091 - BP-HZN-2179MDL00110095
2503	E-Mail - From: Skelton, Cindy K Sent: Mon Jun 08 18:39:52 2009 - Subject: GoM Diagnostic Report - link to Maint & Inspection	BP-HZN-2179MDL001128962 - BP-HZN-2179MDL001129111
2504	E-Mail - From: Skelton, Cindy K Sent: Mon Feb 15 2010 - Subject: FW: Reorganization Announcement - Draft for next week communication	BP-HZN-2179MDL001539342 - BP-HZN-2179MDL001539353
2505	E-Mail - From: Seilhan, Keith A Sent: Sat Mar 13 16:37:58 2010 - Subject: GoM Sector Leadership Focus Groups - Feedbacks supporting transition	BP-HZN-2179MDL00286736
2506	E-Mail - From: Seilhan, Keith A Sent: Sun Mar 14 22:56:04 2010 - Subject: VP Actions for the GoM Transition Plan and Leadership Offsite Slide pack	BP-HZN-2179MDL00287023 - BP-HZN-2179MDL00287099

Documents, Data and Information Considered

Exhibit No.	Description	Bates Number
2507	E-Mail - From: Leary, Michael J Sent: Mon Mar 29 22:33:00 2010 - Subject: March 2010 Updated GoM Rig Schedules	BP-HZN-2179MDL00247045 - BP-HZN-2179MDL00247048
2508	E-Mail - From: O'Bryan, Patrick L Sent: Tue Mar 30 20:17:04 2010 - Subject: MoC Handover - Jackson to Skelton.doc	BP-HZN-2179MDL00300090 - BP-HZN-2179MDL00300095
2509	bp - Register of Engineering Authorities and Technical Authorities	BP-HZN-BLY00204401 - BP-HZN-BLY00204423
2510	E-Mail - From: Smolen, Brad C Sent: Wed Mar 03 12:47:26 2010 - Subject: RE: Gulf of Mexico Leadership Announcement	BP-HZN-2179MDL00279221 - BP-HZN-2179MDL00279222
2511	Organizational Chart	BP-HZN-2179MDL01533510 BPD187-019959
2512	Organizational Chart	BP-HZN-2179MDL01533509 BPD187-019958
2513	E-Mail - From: Skelton, Cindy K Sent: Mon Jan 28 18:26:35 2008 - Subject: FW: Production PU Org Structure Feedback - Input for Monday Discussions	BP-HZN-2179MDL01555164 - BP-HZN-2179MDL01555174
2514	E-Mail - From: Carter, Stephen M Sent: Sun Jun 14 21:41:44 2009 - Subject: FW: Action requested FW: OMS SPU Gap Closure Status - Review with Richard	BP-HZN-2179MDL01556392 - BP-HZN-2179MDL01556403
2559	M.C. 252 Well #1 - Spreadsheet	
2560	Oilwell Tubular Consultants, Inc. - DAILY REPORT	NEX000081
2561	E-Mail - From: Hafle, Mark E Sent: Fri Mar 26 20:41:07 2010 - Subject: RE: Request for work on 7" Casing	BP-HZN-2179MDL00043702 - BP-HZN-2179MDL00043706
2562	Flow-Activated Mid-Bore Auto-Fill Float Collar Model M45AP	WFT-MDL-00020469 - WFT-MDL-00020476
2563	Weatherford - SALES ORDER ACKNOWLEDGEMENT	WFT-MDL-00003237 - WFT-MDL-00003259
2564	Weatherford - DELIVERY TICKET	WFT-MDL-00003260 - WFT-MDL-00003268
2565	Weatherford - DELIVERY TICKET	WFT-MDL-00000433- WFT-MDL-00000434
2566	Weatherford - DELIVERY TICKET	WFT-MDL-00000435
2567	Weatherford - DELIVERY TICKET	WFT-MDL-00000852 - WFT-MDL-00000852
2568	Weatherford - SALES ORDER ACKNOWLEDGEMENT	WFT-MDL-00000870 - WFT-MDL-00000871
2569	Weatherford - SERVICE TICKET	WFT-MDL-00000487 - WFT-MDL-00000488
2570	Weatherford - SERVICE TICKET	WFT-MDL-00000454 - WFT-MDL-00000457
2571	Weatherford - SERVICE TICKET	WFT-MDL-00000518 - WFT-MDL-00000521
2572	Weatherford - SERVICE TICKET	WFT-MDL-00000489
2573	Weatherford - Time Sheet	WFT-MDL-00000026 - WFT-MDL-00000032
2574	Weatherford - Time Sheet	WFT-MDL-00000037 - WFT-MDL-00000043

Documents, Data and Information Considered

Exhibit No.	Description	Bates Number
2575	E-Mail - From: Crane, Allison Sent: Wednesday, March 31, 2010 8:44 - Subject: Macondo - 7" Float Equipment - Pre-ship Inspection	WFT-MDL-00000851 - WFT-MDL-00000869 WTH-002-000851 - WTH-002-000869
2576	E-Mail - From: Clawson, Bryan R - Subject: RE: Centralizers	BP-HZN-MBI00117524 - BP-HZN-MBI00117527 BPD107-205925 - BPD107-205928
2577	E-Mail - From: Owen, Donnie D. Sent: Wed Apr 14 21:43:37 2010 - Subject: FW: 7" float collar	BP-HZN-2179MDL00249737 - BP-HZN-2179MDL00249741 BPD113-184747 - BPD113-184751
2578	E-Mail - From: Morel, Brian P Sent: Wed Apr 14 18:45:03 2010 - Subject: RE: 9 5/8" X 7 DWP SSR Plugs Service Hand	BP-HZN-MBI00126905 - BP-HZN-MBI00126907 BPD107-215306 - BPD107-215308
2579	E-Mail - From: Guide, John Sent: Fri Apr 16 18:27:43 2010 - Subject: FW: Additional Centralizers	BP-HZN-2179MDL00081605 - BP-HZN-2179MDL00081606 BPD113-016615 - BPD113-016616
2580	E-Mail - From: Morel, Brian P Sent: Thursday, April 15, 2010 4:00 PM - Subject: RE: OptiCem Report	HAL_0010648 - HAL_0010650 HDR004-011125 - HDR004-011127
2581	E-Mail - From: Clawson, Bryan R - Subject: 9 5/8" X 7 SSR Plugs and M222WGuide Shoe	WFT-MDL-00017515 - WFT-MDL-00017527 WTH-004-013465 - WTH-004-013477
2582	Flow-Activated Mid-Bore Auto-Fill Float Collar Model M45AP	WFT-MDL-00020469 - WFT-MDL-00020476 WTH-005-00001 - WTH-005-00008
2583	Properties of Part 01366513 - Collar, float 7 M45AP HCQ125 NR HYDL 513 32.0, A	WFT-MDL-00003326 - WFT-MDL-00003328 WTH-002-003326 - WTH-002-003328
2584	E-Mail - From: Morel, Brian P Sent: Tue Apr 20 14:31:49 2010 - Subject: RE: Circulation	BP-HZN-MBI00129068 - BP-HZN-MBI00129069 BPD107-217469 - BPD107-217470
2585	Weatherford - DELIVERY TICKET	WFT-MDL-00003260 - WFT-MDL-00003279
2586	E-Mail - From: Clawson, Bryan R Sent: 4/20/2010 7:00:35 PM - Subject: FW: Circulation	WFT-MDL-000017597 - WFT-MDL-000017598
2587	E-Mail - From: Morel, Brian P Sent: 4/22/2010 7:48:32 PM - Subject: FW: WTFD Information for Clawson	WFT-MDL-000019566 - WFT-MDL-000019567
2588	E-Mail - From: Hollingsworth, Jim Sent: 4/14/2010 10:32:01 PM - Subject: Re: BP	WFT-MDL-000017737 - WFT-MDL-000017739
2589	National Commission on the BP Deepwater Horizon Oil Spill and Offshore Drilling - Logging and Mud Conditioning	
2590	E-Mail - From: Cleboski, Darrell F. Sent: 9/24/2009 4:22:46 PM - Subject: Re: Pre-Spud Meeting	WFT-MDL-00090025
2591	E-Mail - From: Clawson, Bryan R - Subject: RE: Centralizers	BP-HZN-MBI00117524 - BP-HZN-MBI00117527
2592	E-Mail - From: Clawson, Bryan R Sent: 4/15/2010 2:13:16 PM - Subject: RE: 7" float collar	WFT-MDL-00030350 - WFT-MDL-00030353

Documents, Data and Information Considered

Exhibit No.	Description	Bates Number
2593	E-Mail - From: Owen, Donnie D. Sent: Wed Apr 14 21:43:37 2010 - Subject: FW: 7" float collar	BP-HZN-MBI00127098 - BP-HZN-MBI00127102
2594	GoM Exploration Wells: MC 252 #1ST00BP01 - Macondo Prospect, 7" x 9-7/8" Interval	BP-HZN-MBI00128340 - BP-HZN-MBI00128360
2595	E-Mail - From: Clawson, Bryan R Sent: 3/29/2010 3:48:19 PM - Subject: RE: Macondo - 7" Float Equipment	WFT-MDL-00090997 - WFT-MDL-00090999
2596	E-Mail - From: Clawson, Bryan R Sent: 3/30/2010 3:07:10 AM - Subject: Allamon Tool Equipment on Rig	WFT-MDL-00091006 - WFT-MDL-00091008
2597	E-Mail - From: Schaff, Keith Sent: Tue Mar 30 12:18:23 2010 - Subject: RE: Macondo - 7" Float Equipment	BP-HZN-2179MDL00045112 - BP-HZN-2179MDL00045114
2598	Daily Drilling Report (dated 19-Apr-2010)	BP-HZN-IIT-0009274 - BP-HZN-0009279 BP-HZN-2179MDL00136940 - BP-HZN-2179MDL00136945
2615	E-Mail - From: Mark Lanier Sent: Tuesday, April 26, 2011 1:43 PM (GMT) - Subject: Caleb Holloway's Depo	
2616	May 16, 2011 letter to Mr. Don K. Haycraft from W. Mark Lanier	
2617	Daily Drilling Report (dated 19-Apr-2010)	TRN-MDL-00011512 - TRN-MDL-00011517
2618	AMENDED NOTICE OF VIDEO DEPOSITION PURSUANT TO THE FEDERAL RULES OF CIVIL PROCEDURE	
2619	Transocean - Caleb Holloway CERTIFICATE OF COMPLETION Course: API RP 2D Rigger	TRN-USCG-MMS-00036240 - TRN-USCG-MMS-00036275 TRN-MDL-00036222 - TRN-MDL-00036257
2620	QUESTIONS FOR INTERVIEW - Person Interviewed: Caleb Holloway, Date Interviewed: May 28, 2010	TRN-MDL-00490836 - TRN-MDL-00490870
2621	Transocean - DEEPWATER HORIZON EMERGENCY RESPONSE MANUAL, Volume 1 of 2	BP-HZN-IIT-0002370 - BP-HZN-IIT-0002443 BP-HZN-MBI00131953 - BP-HZN-MBI00132026
2622	U.S. Coast Guard Witness Statement - Caleb Holloway Skidmore, dated 4-21-2010	
2623	E-Mail - To: Quitzau, Robert[Robert.Quitzau@Anadarko.com] Sent: Thur 3/11/2010 4:16:19 PM - Subject: MC 252 #1 Macondo WellSpace	ANA-MDL-000000117 - ANA-MDL-000000118
2624	E-Mail - To: Folger, Derek[Derek.Folger@Anadarko.com] Sent: Tue 3/23/2010 12:12:46 PM - Subject: RE: Macondo	ANA-MDL-000002400 - ANA-MDL-000002403

Documents, Data and Information Considered

Exhibit No.	Description	Bates Number
2625	E-Mail - To: O'Donnell, Alan[Alan.ODonnell@Anadarko.com] Sent: Wed 3/24/2010 10:04:57 PM - Subject: FW: Macondo Casing Plan & Pore Pressure Update	ANA-MDL-000007262 - ANA-MDL-000007265
2626	E-Mail - To: Chandler, Paul[Paul.Chandler@Anadarko.com] Sent: Wed 3/24/2010 1:42:01 PM - Subject: Macondo Casing Plan	ANA-MDL-000005061 - ANA-MDL-000005078
2627	E-Mail - To: Chandler, Paul[Paul.Chandler@Anadarko.com] Sent: Tue 3/30/2010 12:20:35 PM - Subject: Macondo Update	ANA-MDL-000008797 - ANA-MDL-000008798
2628	E-Mail - To: Chandler, Paul[Paul.Chandler@Anadarko.com] Sent: Sat 4/3/2010 2:15:08 PM - Subject: Macondo Update	ANA-MDL-000004592 - ANA-MDL-000004593
2629	E-Mail - To: Folger, Derek[Derek.Folger@Anadarko.com] Sent: Mon 4/5/2010 12:20:47 PM - Subject: Macondo Update	ANA-MDL-000062019 - ANA-MDL-00006201920
2630	E-Mail - To: Botevyle, Peter[Peter.Botevyle@Anadarko.com] Sent: Mon 4/5/2010 8:36:09 PM - Subject:FW: Macondo Update	ANA-MDL-000002157 - ANA-MDL-000002158
2631	E-Mail - To: Bodek, Robert [robert.bodek@bp.com] Sent: Mon 4/5/2010 8:37:49 PM - Subject: RE: Real time access	ANA-MDL-000000503 - ANA-MDL-000000506
2632	E-Mail - To: Chandler, Paul[Paul.Chandler@Anadarko.com] Sent: Thur 4/8/2010 6:17:34 PM - Subject: FW: Macondo Update - Casing Plan	ANA-MDL-000007435 - ANA-MDL-000007436
2633	E-Mail - To: O'Donnell, Alan[Alan.ODonnell@Anadarko.com] Sent: Fri 4/9/2010 2:47:19 PM - Subject: FW: Macondo Completion Question	ANA-MDL-000007458 - ANA-MDL-000007460
2634	E-Mail - To: McDaniel, Dennis[Dennis.McDaniel@Anadarko.com] Sent: Fri 4/9/2010 3:56:14 PM - Subject: RE: Macondo Completion Question	ANA-MDL-000007463 - ANA-MDL-000007467
2635	E-Mail - To: Quitzau, Robert[Robert.Quitzau@Anadarko.com] Sent: Fri 4/9/2010 8:25:14 PM - Subject: RE: Macondo TD Reached	ANA-MDL-000005118 - ANA-MDL-000005119
2636	E-Mail - From: Quitzau, Robert[Robert.Quitzau@Anadarko.com] Sent: Tue 4/13/2010 7:20:19 PM - Subject: RE: Macondo TD & Draft Sub. Op. AFE	ANA-MDL-000008106 - ANA-MDL-000008108

Documents, Data and Information Considered

Exhibit No.	Description	Bates Number
2637	Daily Operations Report - Partners (Drilling) {4/14/2010}	
2638	Daily Operations Report - Partners (Drilling) {4/18/2010}	
2639	Daily Operations Report - Partners (Drilling) {4/19/2010}	
2640	E-Mail - To: Quitzau, Robert[Robert.Quitzau@Anadarko.com] Sent: Wed 7/28/2010 1:14:03 PM - Subject: FW: Well Control - Anadarko	ANA-MDL-000240671 - ANA-MDL-000240678
2641	E-Mail - To: Quitzau, Robert[Robert.Quitzau@Anadarko.com] Sent: Tue 4/27/2010 8:03:11 PM - Subject: RE: Macondo Questions	ANA-MDL-000241068 - ANA-MDL-000241069
2642	E-Mail - To: Quitzau, Robert[Robert.Quitzau@Anadarko.com] Sent: Sat 5/15/2010 11:44:29 PM - Subject: RE: Follow-up to Today's Meeting	ANA-MDL-000244164 - ANA-MDL-000244179
2643	E-Mail - To: Mullen, Mike E (Mullen) Mike.Mullen@bp.com] Sent: Mon 5/17/2010 6:57:17 PM - Subject: RE: Emailing: Diagnostic Injection - Decision Tree - Rev A (2010-05-15 0720).vsd	ANA-MDL-000241168 - ANA-MDL-000241169
2644	E-Mail - To: Quitzau, Robert[Robert.Quitzau@Anadarko.com] Sent: Tue 5/18/2010 1:36:40 PM - Subject: RE: UPDATE: pressures developed during well-kill - PPFG	ANA-MDL-000242505 - ANA-MDL-000242506
2645	E-Mail - To: Mitchell, Gary[Gary.Mitchellu@Anadarko.com] Sent: 6/1/2010 5:55:45 PM - Subject: RE: Ongoing Participation in Macondo Relief Efforts	ANA-MDL-000262012 - ANA-MDL-000262017
2646	E-Mail - To: Mix, Kurt[Kurt.Mix@bp.com] Sent: Tue 6/1/2010 9:51:01 PM - Subject: RE: Macondo Update	ANA-MDL-000262036 - ANA-MDL-000262037
2647	E-Mail - To: Sharadin, John H[John.Sharadin@bp.com] Sent: Tue 6/1/2010 1:44:01 PM - Subject: RE: Post-job reporting	ANA-MDL-000258555 - ANA-MDL-000258567
2648	E-Mail - To: Lasley, Barbara M[Barbara.Lasley@bp.com] Sent: Wed 6/16/2010 10:53:40 PM - Subject: RE: Relief Well Decision Trees - Deep Intercept	ANA-MDL-000258665 - ANA-MDL-000258671
2649	E-Mail - To: Gary T Sent: Mon 6/28/2010 11:30:16 PM - Subject: Macondo Relief Well - Kill and Cementing Procedures Review - REVISED	ANA-MDL-000261855 - ANA-MDL-000261862

Documents, Data and Information Considered

Exhibit No.	Description	Bates Number
2650	E-Mail - To: William Burch[burch@wildwell.com] Sent: Thur 7/8/2010 2:05:04 PM - Subject: RE: Dual Relief Well Strategy (Due by Noon)	ANA-MDL-000258607 - ANA-MDL-000258608
2651	E-Mail - To: Quitzau, Robert[Robert.Quitzau@Anadarko.com] Sent: Thur 7/8/2010 3:07:39 PM - Subject: Updated signature page	ANA-MDL-000240783 - ANA-MDL-000240789
2652	DAILY PPFG REPORT - Date and Time: Mar 19, 2009	BP-HZN-MBI0113144 - BP-HZN-MBI0113146 BPD107-201545 - BPD107-201547
2653	E-Mail - From: Quitzau, Robert Sent: Tuesday, March 23, 2010 8:13 AM - Subject: RE: Macondo	
2654	DAILY PPFG REPORT - Date and Time: Mar 23, 2009	BP-HZN-MBI0114042 - BP-HZN-MBI0114045 BPD107-202443 - BPD107-202446
2655	E-Mail - To: Folger, Derek[Derek.Folger@Anadarko.com] Sent: Wed 3/24/2010 5:24:02 PM - Subject: RE: Macondo	ANA-MDL-000004180 - ANA-MDL-000004183 ADR017-004180 - ADR017-004183
2656	E-Mail - From: Quitzau, Robert Sent: Saturday, April 03, 2010 10:15 AM - Subject: Macondo Update	
2657	E-Mail - From: Watson, Pat Sent: Mon 5/24/2010 5:43:26 PM - Subject: RE: Macondo	ANA-MDL-000276761 - ANA-MDL-000276768
2658	E-Mail - From: Hafle, Mark E Sent: Sun Mar 14 14:16:19 2010 - Subject: RE: FIT or LOT for Bypass	BP-HZN-MBI00110676 BPD107-199077
2659	Drilling & Completions MOC Initiate (date initiated 4/14/2010)	BP-HZN-MBI00143259 - BP-HZN-MBI00143261
2660	Deepwater Horizon Accident Investigation Report - dated September 8, 2010	
2661	E-Mail - From: Quitzau, Robert Sent: Thur 4/8/2010 6:17:34 PM - Subject: FW: Macondo Update - Casing Plan	ANA-MDL-000007435 - ANA-MDL-000007436 ADR017-007435 - ADR017-007436
2662	E-Mail - From: Bodek, Robert Sent: Thu Mar 11 14:45:18 2010 - Subject: Add to Macondo WellSpace	BP-HZN-2179MDL00010456
2663	E-Mail - From: Quitzau, Robert Sent: Fri 3/19/2010 2:12:46 PM - Subject: RE: Macondo	ANA-MDL-000056879 - ANA-MDL-000056881 ANA-MDL-000055595
2664	E-Mail - From: Burton, Forrest Sent: Mon 4/12/2010 11:55:19 AM - Subject: FW: Macondo TD Reached	ANA-MDL-000050370 - ANA-MDL-000050371
2665	E-Mail - From: Estes, Vic Sent: Tue 6/1/2010 7:04:39 PM - Subject: RE: ?	ANA-MDL-000273401
2666	Handwritten Notes	ANA-MDL-000274636 - ANA-MDL-000275007

Documents, Data and Information Considered

Exhibit No.	Description	Bates Number
2667	Annual Individual Performance Assessment - Name: Earl Lee	BP-HZN-2179MDL01802532 - BP-HZN-2179MDL01802536
2668	Off Duty Well Site Leader Interview Questions	BP-HZN-BLY00236682 - BP-HZN-BLY00236683
2669	Earl Lee - Typewritten Notes	
2670	Norman Wong's Notes - Handwritten Notes	BP-HZN-BLY00061591
2671	E-Mail - From: Trichell, Ricky R Sent: Thu Jul 01 17:15:32 2010 - Subject: Handover Notes.doc	BP-HZN-2179MDL01820792 - BP-HZN-2179MDL01820795 BPD191-001313 - BPD191-001316
2672	E-Mail - From: Moore, Robert Sent: Thu Aug 19 18:10:45 2010 - Subject: FW: 750T handling eqpt for the Q4000	BP-HZN-2179MDL01820644 - BP-HZN-2179MDL01820649 BPD191-001165 - BPD191-001170
2673	E-Mail - From: Sepulvado, Murray R Sent: Tue Nov 17 23:50:21 2009 - Subject: FW: Kodiak Test Pressures	BP-HZN-CEC030682 - BP-HZN-CEC030684 BPC003-011508 - BPC003-011510
2674	E-Mail - From: Cocalles, Brett W Sent: Sat Jan 02 15:28:23 2010 - Subject: RE: Subsea Macondo Worklist	BP-HZN-2179MDL00343459 - BP-HZN-2179MDL00343460 BPD008-003814 - BPD008-003815 TRN-MDL-00308723 - TRN-MDL-00308737
2675	E-Mail - From: Morel, Brian P Sent: Mon Feb 08 14:42:29 2010 - Subject: Test Pressure	BP-HZN-CEC042375 - BP-HZN-CEC0423863 BPC004-009870 - BPC004-009878
2676	E-Mail - From: Lee, Earl P Sent: Mon Feb 08 15:00:31 2010 - Subject: Revised daily plan February 8 2010.doc	BP-HZN-2179MDL01820663 - BP-HZN-2179MDL01820665 BPD191-001184 - BPD191-001186
2677	E-Mail - From: Morel, Brian P Sent: Fri Mar 26 15:45:18 2010 - Subject: 9-7/8" Liner Hole Section Review	MDM165-000184
2678	E-Mail - From: Morel, Brian P Sent: Tue Mar 30 02:33:39 2010 - Subject: RE: E Lee 9 7/8 CSGRUN 01.XLS	BP-HZN-2179MDL00031711
2679	E-Mail - From: Jesse Gagliano Sent: Fri Apr 16 03:46:43 2010 - Subject: Production Casing Proposal & Opticem Report	BP-HZN-CEC021686
2680	GoM Exploration and Appraisal Communication Plan (September 2009, Rev. 3)	BP-HZN-2179MDL00269632 - BP-HZN-2179MDL00269658
2681	Beyond the Best common process	BP-HZN-2179MDL00333308 - BP-HZN-2179MDL00333497
2798	Drillers Report Strong Activity Despite Weakening Prices	
2799	E-Mail - From: Lacy, Kevin Sent: Wed Nov 21 20:00:09 2007 - Subject: Preliminary draft to discuss	BP-HZN-CEC054946 - BP-HZN-CEC054958

Documents, Data and Information Considered

Exhibit No.	Description	Bates Number
2900	E-Mail - From: Lacy, Kevin Sent: Wed Nov 28 03:42:08 2007 - Subject: Your copy of Monday's File	BP-HZN-CEC055017- BP-HZN-CEC055034
2901	E-Mail - From: Lacy, Kevin Sent: Fri Dec 14 20:45:56 2007 - Subject: Package for discussion	BP-HZN-CEC055272 - BP-HZN-CEC055296
2902	E-Mail - From: Lacy, Kevin Sent: Thu Nov 08 16:04:17 2007 - Subject: RE: Lead on Agenda and meeting with Neil Shaw	BP-HZN-CEC054745 - BP-HZN-CEC054746
2903	SEEAC pre-read for 24th March 2010 - E&P's Approach to US Regulatory Compliance	BP-HZN-2179MDL00085280 - BP-HZN-2179MDL00085287
2904	E-Mail - From: Lacy, Kevin Sent: Mon Jan 07 00:06:13 2008 - Subject: Draft Presentation and Appraise/Select White Paper	BP-HZN-CEC055532 - BP-HZN-CEC055558
2905	PRESENTATION BY KEVIN LACY - AUDIO TRANSCRIPTION	
2906	E-Mail - From: Prevallet, Yvonne S Sent: Thu Apr 09 21:39:05 2009 - Subject: Pfest Slides post discussion	BP-HZN-2179MDL00110741 - BP-HZN-2179MDL00110755
2907	E-Mail - From: Lacy, Kevin Sent: Mon Oct 12 19:13:32 2009 - Subject: Pre Read for HSSE QPR - Tuesday, October 13	BP-HZN-CEC078875 - BP-HZN-CEC078901
2908	GulfofMexicoSPU - Operating Plan (OMS Handbook)	BP-HZN-2179MDL00333155 - BP-HZN-2179MDL00333195
2909	E-Mail - From: Kennelley, Kevin J Sent: Wed Dec 15 12:54:59 2008 - Subject: FW: SPU Annual Engineering Plans: ACTION	BP-HZN-2179MDL01820483 - BP-HZN-2179MDL01820518
2910	GulfofMexicoSPU - Annual Engineering Plan 2009	BP-HZN-2179MDL00346407 - BP-HZN-2179MDL00346446
2911	E-Mail - From: Kraus, Malcolm D Sent: Wed Apr 08 13:32:43 2009 - Subject: Updated Risk Register	BP-HZN-2179MDL01554443
2912	E-Mail - From: Ruehle, Steven A Sent: Thu Sep 24 14:40:48 2009 - Subject: RE: SPU Top Risk Mitigation Plans (Session 2 of 2)	BP-HZN-CEC078761 - BP-HZN-CEC078789
2913	Risk Mitigation Plan	BP-HZN-BLY00151043
2914	E-Mail - From: Eaton, Richard J Sent: Fri Oct 09 23:11:49 2009 - Subject: OpCo risk review	BP-HZN-2179MDL01443369 - BP-HZN-2179MDL01443372
2915	Keynote Luncheon Speaker - Tuesday 5, October	
2916	E-Mail - From: Bodek, Robert Sent: Thu Nov 19 21:02:05 2009 - Subject: FW: SPU Top Risk Mitigation Plans (Session 2 of 2)	BP-HZN-2179MDL01131955 - BP-HZN-2179MDL01131982
2917	Drilling and Well Operations Practice - E&P Defined Operating Practice	BP-HZN-IIT-0001177 - BP-HZN-0001288 BP-HZN-2179MDL00057261 - BP-HZN-2179MDL00057372

Documents, Data and Information Considered

Exhibit No.	Description	Bates Number
2918	E-Mail - From: Lacy, Kevin Sent: Thu Oct 01 15:28:47 2009 - Subject: Safety Leadership	BP-HZN-2179MDL01808592
2919	bp - Process Safety Planning 2010, 12 Jan 2010	BP-HZN-2179MDL01109076 - BP-HZN-2179MDL01109092
2920	E-Mail - From: Shaw, Neil Sent: Sat Sep 05 20:37:58 2009 - Subject: Pfest prep	BP-HZN-CEC078446
2921	Kevin Lacy, BP head of discipline, drilling and completions: Building a global career around a global business	
2922	E-Mail - From: Sprague, Jonathan D Sent: Tue Sep 22 13:44:22 2009 - Subject: DCRstaffing.ppt	BP-HZN-2179MDL01797150 - BP-HZN-2179MDL01797171
2923	THE MACONDO BLOWOUT - 3rd Progress Report	
2924	E-Mail - From: Perez, Robert E Sent: Tue May 05 15:55:11 2009 - Subject: CAPM Update for Kevin Lacy.ppt	BP-HZN-2179MDL01843843 - BP-HZN-2179MDL01843861
2925	E-Mail - From: Lacy, Kevin Sent: Mon Jun 29 22:39:39 2009 - Subject: D&C Slide Deck	BP-HZN-2179MDL00126073 - BP-HZN-2179MDL00126099
2926	E-Mail - From: Lacy, Kevin Sent: Tue Jul 14 13:00:15 2009 - Subject: RE: Early Heads Up on the Marianas Situation	BP-HZN-2179MDL01819626 - BP-HZN-2179MDL01819627
2927	E-Mail - From: Lacy, Kevin Sent: Thu Jul 16 22:27:47 2009 - Subject: RE: DW Horizon Rig Well Placement Vendor Action	BP-HZN-2179MDL01808137 - BP-HZN-2179MDL01808138
2928	GoM D&C RTOC STRATEGY WHITEPAPER	BP-HZN-2179MDL00575515 - BP-HZN-2179MDL00575560
2929	E-Mail - From: Lenhoff, Diane A Sent: Mon Nov 09 21:24:19 2009 - Subject: RE: November D&C ELT Meeting - Agenda	BP-HZN-2179MDL00352448 - BP-HZN-2179MDL00352460
2930	E-Mail - From: Yeley, Ryan Sent: Tue Apr 13 14:12:04 2010 - Subject: RE: Final Agenda for tomorrow's Suttle review	BP-HZN-2179MDL01124799 - BP-HZN-2179MDL01124933
2931	E-Mail - From: Sims, David C Sent: Sat Oct 31 02:28:43 2009 - Subject: Re: Marianas	BP-HZN-2179MDL00356993
2932	E-Mail - From: Lacy, Kevin Sent: Mon May 11 13:25:59 2009 - Subject: Re: Digital BoP Update	BP-HZN-2179MDL01843672
2933	E-Mail - From: Lacy, Kevin Sent: Wed Nov 11 18:59:21 2009 - Subject: FW: Emailing: Dig_BOP_JIP_Info.ppt	BP-HZN-2179MDL01843420 - BP-HZN-2179MDL01843422
2934	E-Mail - From: Lacy, Kevin Sent: Tue Jul 15 14:48:50 2008 - Subject: RE: Kaskida Bold Move Way Forward	BP-HZN-2179MDL00107264 - BP-HZN-2179MDL00107268
2935	E-Mail - From: Lacy, Kevin Sent: Thu Jul 09 16:09:47 2009 - Subject: Org Changes in D&C	BP-HZN-CEC077885 - BP-HZN-CEC077887

Documents, Data and Information Considered

Exhibit No.	Description	Bates Number
2936	E-Mail - From: Howe, Kemper Sent: Mon Dec 21 16:14:55 2009 - Subject: 1Q 2010 Obligation Report	BP-HZN-2179MDL01843779 - BP-HZN-2179MDL01843780
2937	E-Mail - From: Lacy, Kevin Sent: Thu Aug 20 16:54:20 2009 - Subject: FW: Aug 2009 D&C Rig Schedule - Revised	BP-HZN-CEC078290 - BP-HZN-CEC078293[1]
2938	E-Mail - From: Morel, Brian P Sent: Mon Apr 12 12:12:47 2010 - Subject: RE: Macondo times	BP-HZN-2179MDL00020934
2939	Group Leader Performance Summary Form for 2008	BP-HZN-CEC061703 - BP-HZN-CEC061705 BPD107-061703 - BPD107-061705
2940	E-Mail - From: Sachan, Kim Sent: Thu Jan 07 14:30:17 2010 - Subject: e-Expensive and More...	BP-HZN-2179MDL00803916 - BP-HZN-2179MDL00803954
2941	E-Mail - From: McIntyre, Paul Sent: Fri Jan 08 23:09:46 2010 - Subject: FW: Proposed Group Leader Exit Announcement	BP-HZN-2179MDL01154523
2942	E-Mail - From: Lacy, Kevin Sent: Fri Jan 08 14:15:20 2010 - Subject: RE: Proposed Group Leader Exit Announcement	BP-HZN-2179MDL01155347
2943	E-Mail - From: kevinlacy@juno.com Sent: Mon Jan 11 03:05:16 2010 - Subject: Re: FW: Proposed Group Leader Exit Announcement	BP-HZN-2179MDL01160218
2944	E-Mail - From: Verchere, Christina C Sent: Tue Jan 12 01:56:09 2010 - Subject: Group Leader announcement	BP-HZN-2179MDL01164902- BP-HZN-2179MDL01164903
2945	E-Mail - From: Employee Communications Sent: Tue Jan 12 14:00:07 2010 - Subject: Staff Announcement - Kevin Lacy	BP-HZN-2179MDL01153257
2946	E-Mail - From: Longo, Susan G Sent: Wed Jan 27 22:13:33 2010 - Subject: FW: Email for scanned docs	BP-HZN-2179MDL01158014 - BP-HZN-2179MDL01158015
2947	The BP Operating Management System Framework - Part 1 An overview of OMS	BP-HZN-2179MDL00333196 - BP-HZN-2179MDL00333154
2948	E-Mail - From: Shaw, Neil Sent: Thu Jun 04 11:44:41 2009 - Subject: RE: Transocean Marianas Traveling Block / Crown Collision HIPO Investigation Report	BP-HZN-CEC063970 - BP-HZN-CEC063971 BPC003-015779 - BPC003-015780
2949	E-Mail - From: Little, Ian Sent: Tue Dec 16 17:41:32 2008 - Subject: Risk	BP-HZN-2179MDL01843947 - BP-HZN-2179MDL01843955
2950	Deepwater Well Complexity - The New Domain	
2951	Final Report on the Investigation of the Macondo Well Blowout	
2952	GOM-D&C Major Hazard and Risk Management	
2953	E-Mail - From: Lacy, Kevin Sent: Wed Dec 02 20:47:01 2009 - Subject: FW: Friday's GL Discussion	BP-HZN-2179MDL01797716 - BP-HZN-2179MDL01797720
2954	Turning to the right	

Documents, Data and Information Considered

Exhibit No.	Description	Bates Number
2955	E-Mail - From: kevinlacy@juno.com Sent: Thu Feb 04 19:35:27 2010 - Subject: Re: Checking E-mail	
2956	E-Mail - From: Lacy, Kevin Sent: Mon Dec 14 14:08:03 2009 - Subject: VP D&C Handover	
2957	E-Mail - From: Lacy, Kevin Sent: Thu Jan 29 13:33:59 2009 - Subject: RE: Help	BP-HZN-2179MDL01004839 - BP-HZN-2179MDL01004840
2958	***SEALED pending Further Instruction from Ms. Karis***	***Highly Confidential***
3006	E-Mail - From: Wardlaw, O. Kirk Sent: Tue Dec 15 16:29:37 2009 - Subject: RE: Macondo Rig Update and revised AFE	BP-HZN-2179MDL00266909 - BP-HZN-2179MDL00266911
3007	E-Mail - From: McCutcheon, Anne P Sent: Mon Jun 15 20:53:18 2009 - Subject: Action Required: Macondo	BP-HZN-2179MDL01823216 - BP-HZN-2179MDL01823221
3008	E-Mail - From: Lee, Tom W Sent: Wed Aug 05 20:48:45 2009 - Subject: Slide Pack for Anadarko	BP-HZN-2179MDL01943398 - BP-HZN-2179MDL01943402
3009	E-Mail - From: Wardlaw, O. Kirk Sent: Mon Sep 14 15:07:43 2009 - Subject: FW: Request for Macondo Presentation for JOGMEC	BP-HZN-2179MDL01832336
3010	E-Mail - From: Beirne, Michael Sent: Tue Sep 15 20:00:27 2009 - Subject: JOGMEC/Mitsui Presentation Attendees	BP-HZN-2179MDL01951703
3011	E-Mail - From: Beirne, Michael Sent: Wed Sep 30 14:40:39 2009 - Subject: Mitsui Meeting Today	BP-HZN-2179MDL01952702
3012	E-Mail - From: Wardlaw, O. Kirk Sent: Mon Oct 05 13:16:31 2009 - Subject: FW: Macondo Proposal	BP-HZN-2179MDL01832578 - BP-HZN-2179MDL01832580
3013	E-Mail - From: Beirne, Michael Sent: Thu Nov 19 21:22:31 2009 - Subject: RE: Golf	BP-HZN-2179MDL01934715 - BP-HZN-2179MDL01934716
3014	E-Mail - From: Wardlaw, O. Kirk Sent: Tue Feb 16 17:37:55 2010 - Subject: Agenda Mitsui - BP Meeting.ppt	BP-HZN-2179MDL00330495 - BP-HZN-2179MDL00330497
3015	E-Mail - From: Beirne, Michael Sent: Fri Mar 12 16:34:12 2010 - Subject: FW: Pre-Spud Drilling Plan	BP-HZN-2179MDL00032853
3016	E-Mail - From: Hafle, Mark E Sent: Fri Apr 02 00:47:33 2010 - Subject: FW: Macondo - Information Request	BP-HZN-2179MDL01293808 - BP-HZN-2179MDL01293843
3017	E-Mail - From: Tokio, Kachi Sent: Friday, June 26, 2009 12:49 PM - Subject: RE: Macondo data room on June 19	DWHMX00077645 - DWHMX00077646 MDR009-077647 - MDR009-077648
3018	Annual Individual Performance Assessment - Name: Kirk Wardlaw	BP-HZN-2179MDL01873163 - BP-HZN-2179MDL01873166
3019	bp - July 9, 2010 Letter to Jim Ryan & Robert Reeves from Kirk Wardlaw	APC-SHS1-007 - APC-SHS1-007

Documents, Data and Information Considered

Exhibit No.	Description	Bates Number
3020	E-Mail - From: Jesse Gagliano Sent: Thu Apr 15 22:46:43 2010 - Subject: Production Casing Proposal & Opticem Report	HAL_0126062 - HAL_0126096
3021	E-Mail - From: Jesse Gagliano Sent: Fri Apr 16 03:46:43 2010 - Subject: Production Casing Proposal & Opticem Report	BP-HZN-2179MDL00032401
3022	E-Mail - From: Jesse Gagliano Sent: Fri Apr 16 13:17:40 2010 - Subject: Lab Test	HAL_0128886 - HAL_0128888
3023	E-Mail - From: Hafle, Mark E Sent: Fri Apr 16 14:30:35 2010 - Subject: RE: Production Casing and Design Proposal & OptiCem Report	BP-HZN-2179MDL00011184 - BP-HZN-2179MDL00011185
3024	E-Mail - From: Vincent Tabler Sent: Fri Apr 16 18:51:33 2010 - Subject: pipe talley - Livelink 161 KB	HAL_0535175
3025	E-Mail - From: Jesse Gagliano Sent: Sat Apr 17 14:29:58 2010 - Subject: Updated Proposal and OptiCem	HAL_0502625 - HAL_0502638
3026	E-Mail - From: Vincent Tabler Sent: Sun Apr 18 14:43:41 2010 - Subject: RE: 16" Casing test - Livelink 115 KB	HAL_0534719
3027	E-Mail - From: Jesse Gagliano Sent: Sun Apr 18 20:58:10 2010 - Subject: Updated Info for Prod Casing job	HAL_0125421 - HAL_0125469
3028	Tabler Tally Book - From Tabler Interview 5/4/10	BP-HZN-MBI00139592 - BP-HZN-MBI00139608
3029	E-Mail - From: Nathaniel Chaisson Sent: Sun Apr 18 09:57:28 2010 - Subject: BP/Horizon/Update	HAL_0125561 - HAL_0125564 HDR008-000361 - HDR008-000364
3030	9.875" x 7" CASING JOB PROCEDURE M.C. 252 WELL #1 VER.2	HAL_0130343 - HAL_0130346 HDR008-005143 - HDR008-005146
3031	9.875" x 7" CASING JOB PROCEDURE M.C. 252 WELL #1 VER.1	HAL_0133146 - HAL_0133147 HDR008-007946 - HDR008-007947
3032	E-Mail - From: Jesse Gagliano Sent: Mon Apr 19 01:58:10 2010 - Subject: Updated info for Prod Casing job	BP-HZN-BLY00070370 - BP-HZN-BLY00070419 BPD119-008309 - BPD119-008358
3033	E-Mail - From: Christopher Haire Sent: Tue Jun 10 14:05:50 2010 - Subject: tests	HAL_0577477 HDR054-000181
3034	E-Mail - From: Jesse Gagliano Sent: Tuesday, March 30 2010 1:51 PM - Subject: FW: 9 7/8" Proposal	HAL_0008295 - HAL_0008321 HDR004-008772 - HDR004-008798
3035	E-Mail - From: Joey Bascle Sent: Tue Feb 02 08:00:29 2010 - Subject: 1/28/10 Tank Reload & ship to Horizon from Marianas	HAL_0578765 - HAL_0578766 HDR054-001469 - HDR054-001470

Documents, Data and Information Considered

Exhibit No.	Description	Bates Number
3036	Tabler Tally Book - From Tabler Interview 5/4/10	BPD106-000592 - BPD106-000608 BP-HZN-BLY00061768 - BP-HZN-BLY00061784
3037	E-Mail - From: Jesse Gagliano Sent: Mon Mar 08 16:33:56 2010 - Subject: OptiCem Run	BP-HZN-2179MDL00243096 - BP-HZN-2179MDL00243104
3038	E-Mail - From: Jesse Gagliano Sent: Thu Jan 28 12:47:02 2010 - Subject: Macondo Well	HAL_0578612
3039	HALLIBURTON - Rig Displacement (Graph)	HAL_0011219 - HAL_0011218
3040	E-Mail - From: Jesse Gagliano Sent: Fri Apr 16 21:38:44 2010 - Subject: RE: Cement Procedure	BP-HZN-MBI00128397 - BP-HZN-MBI00128399
3041	E-Mail - From: Vincent Tabler Sent: Fri Apr 16 18:55:38 2010 - Subject: CMT	HAL_0577698 - HAL_0577712
3074	ABS Survey Manager	TRN-MDL-01100247 - 01100318
3075	Deepwater Horizon Licensing Information	TRN-MDL-00171605 - 00171893
3076	Report of Safety Inspection	TRN-MDL-00272650 - TRN-MDL-00272653
3077	ModuSpec Document	MODUSI 01 0 000087 - MODUSI 01 0 000088; MODUSI 01 0 000011; MODUSI 01 0 000091; MODUSI 01 0 000047; MODUSI 01 0 000051; MODUSI 01 0 000052; MODUSI 01 0 000054
3078	Statutory Inspection Report	DHCIT_TPY-0010710 - DHCIT_TPY-0010756
3079	ABS Surveyor Publication	ABSDWH011683 - ABSDWH0011718
3080	Invoice Request Form	ABSDWH003268 - ABSDWH003282
3081	Class Survey Report	ABSDWH003481 - ABSDWH003498
3082	Extension Survey	ABSDWH003981 - ABSDWH003982
3083	Class Survey	ABSDWH003979 - ABSDWH003980
3084	Guide for Certification Of Drilling Systems	
3085	Letter Dated 4/27/05	ABSDWH011033
3086	Electrical Equipment In Hazardous Areas	ABSDWH012562 - ABSDWH012569
3087	ABS Survey Manager	
3088	Certificate and Survey Manual	TRN-MDL-01287082 - TRN-MDL-01287201
3189	GoM Production Training Summary Report For Single Employee Robert M. Kaluza, Jr. 11/01/10 marked as Confidential	BP-HZN-2179MDL00330190 -30193
3190	Email from Patrick L. O'Bryan to Mike Zanghi; Date: April 27, 2010; Subject: RE: Bladder effect	BP-HZN-2179MDL00321874 - 21875
3191	Email from Don Vidrine to Robert Kaluza; Date: April 16, 2010; Subject: FW: Production Casing Proposal and OptiCem Report, marked as Confidential	No. BP-HZN-BLY00068985 - 69019

Documents, Data and Information Considered

Exhibit No.	Description	Bates Number
3192	Email from Foreman, Deepwater Horizon to Robert Kaluza; Date: April 20, 2010; Subject: FW: Updated Info for Prod Casing Job, marked as Confidential	BP-HZN-BLY00071021 - 71069
3193	Email from Dianne Chmura to James N. Wilson; Cynthia Holik; Dated: April 13, 2010; Subject: RE: Access for Bob Kaluza, marked as Confidential	BP-HZN-2179MDL00002586 - 02587
3194	Email from Ronald Sepulvado to Robert Kaluza, Lee Lambert; Dated: April 16, 2010; Subject: Relief Notes, marked as Confidential;	BP-HZN-2179MDL00002591
3195	Email from Ronald Sepulvado to Robert Kaluza, et al; Dated April 16, 2010; Attachments: April 16, 2010.doc, marked as Confidential	BP-HZN-2179MDL00004254 - 04256
3196	Email from Leo Lindner to Robert Kaluza; Dated: April 20, 2010; Subject: Macondo Displacement Procedure, marked as Confidential	BP-HZN-2179MDL00015194 - 15195
3197	Email from Robert Kaluza to Don Vidrine; Dated April 9, 2010; Subject: RE: Horizon, marked as Confidential	BP-HZN-2179MDL00044492 - 44493
3198	Email from Brian Morel to Ronald Sepulvado, et al; Dated April 16, 2010, Subject: Updated Procedure; with attachments, marked as Confidential	BP-HZN-2179MDL00249988 - 50009
3199	Email from Brian Morel to Don Vidrine, Lee Lambert, Robert Kaluza; Dated April 17, 2010; Subject: Buckling Models with attachments	BP-HZN-2179MDL00250641 to 50642
3244	Checklist	TRN-USCG_MMS-00041352
3245	E-mail from Alan Schneider to Julie Villa, dated July 19, 2010	
3246	E-mail from Alan Schneider to Julie Villa, dated July 19, 2010	MODUSA 000343 - 000344
3247	Report of Survey	MODUSI 01 2009667 - MODUSI 01 2009746
3248	Report of Survey	MODUSI 01 2 009517 - MODUSI 01 2 009575
3249	Various documents	MODUSA 000077 - MODUSA 000189
3286	Recommended Practices for Blowout Prevention Equipment Systems for Drilling Wells by API, dated March 1997	
3287	E-mail from Mark Hay to Kenneth dated November 21, 2009; Subject: MOC for lower ram	Bates Nos. TRN-MDL-00119512 through TRN-MDL-00038745
3288	WEST Engineering Services; Subject: "DEEPWATER HORIZON (Job No. 001 C); Reference: Subsea Equipment Condition Audit	Bates Nos. TRN-MDL-00038745 through TRN-MDL-00038785

Documents, Data and Information Considered

Exhibit No.	Description	Bates Number
3289	E-mail from Michael Fry to Ronald Guidry and Geoff Boughton dated February 1, 2010; Subject: Issue on the HORIZON with pie connectors	Bates No. TRN-MDL-00303029
3290	Email from Michael Fry to DWH SubSeaSup dated February 4, 2010; Subject: Lower fail safe valve	Bates No. TRN-MDL-00303032
3291	Email from DWH, SubSeaSup to DWH, MaintSup dated March 17, 2010; Subject: BP Audit/Rig Move	Bates No. TRN-MDL-00483932 through TRN-MDL-00483933
3292	2011 Subsea equipment status in preparation for 2011 OSS dated 4/6/2010	Bates No. TRN-MDL-00401409 through TRN-MDL-00401412
3293	Rig Condition Assessment DEEPWATER HORIZON, prepared for Transocean by ModuSpec	Bates No. TRN-MDL-00038591 through TRN-MDL-00038677
3294	Lifeboat/Liferaft Crew Report - April 20, 2010; Lifeboat #2	Bates No. TRN-MDL-00272332 through TRN-MDL-00272333
3295	Email from Ronald Swan to Dan Reudelhuber, Bob McKechnie, Mike Wright, et al dated April 21, 2010; Subject: DWH_BOP_Risk Assessment	Bates No. TRN-MDL-00286553 through TRN-MDL-00286554
3296	Email from James Kent to Paul Johnson dated April 22, 2010; Subject: (None)	Bates No. TRN-MDL-00290394
3297	Transocean Technical Field Support - Subsea from Billy Stringfellow to TOI Management, Subject: DW HORIZON Emergency Pipe Ram Closure Procedure Rev 2	Bates No. TRN-MDL-00494814 through TRN-MDL-0049816
3298	WEST Engineering Services, Inc. Evaluation of Secondary Intervention Methods in Well Control for US Minerals Management Service dated March 2003	Bates No. TRN-MDL-00494920 through TRN-MDL-00495005
3299	RMS II - Equipment History, Equipment: BOP Control Pod, Tag: WCS BOPP 002, dated January 20, 2001 through May 20, 2010	Bates No. TRN-INV-00034227 through TRN-INV-00034306 >
3318	Email from DWH SubSeaSup to James Kent dated February 24, 2010, Subject: Batteries	Bates No. TRN-MDL-00310821
3319	DEEPWATER Horizon BOP Activities during OOS UID Master January 2011, Prepared by Mark Hay, Owen McWhorter, James Kent	Bates No. TRN-MDL-01035771 through TRN-MDL-01035774
3320	DEEPWATER HORIZON Rig Move to Macondo BOP Maintenance Review	Bates No. TRN-HCJ-00122186 through TRN-HCJ-00122189
3321	Cameron 18-3/4" 15 MTL BOP chart	Bates No. BP-HZN-2179MDL01305440
3322	Email from DWH SubSeaSup to Michael Fry dated January 8, 2010, Subject: Shear Data	Bates No. TRN-MDL-01076514 through TRN-MDL-01076518
3323	Welcome to Well Advisor PowerPoint Presentation	Bates No. TRN-MDL-00867751 through TRN-MDL-00867752
3324	Email from DWH Toolpusher to DWH AsstDriller dated January 30, 2010, Subject: Macondo Part 1	Bates No. TRN-MDL-00672306 through TRN-MDL-00672335

Documents, Data and Information Considered

Exhibit No.	Description	Bates Number
3325	Drawing Indicating Movement, Person Interviewed: Mark Hay, Date: May 18, 2010	Bates No. TRN-INV-00001887 through TRN-INV-00001912
3326	Email from DWH, AsstDriller to DWH, Toolpusher dated January 28, 2010, Subject: Negative Test While Displacing	Bates No. TRN-MDL-01323431 through TRN-MDL-01323432
3327	Engineering Report Abstract by John Corkhill, dated 2/12/2007, Subject: BP Thunderhorse Shear Test Using 18-15M DVS Rams on 6 5/8" x .70" Wall V150 Pipe	Bates No. CAM_CIV_0015463
3328	Cameron Engineering Report Abstract, Report No. 3661, dated 11/24/2008 by Hoi Ling Cheng, Subject: Transocean Shear Test	Bates No. CAM_CIV_0015830 through CAM_CIV_0015463
3329	Cameron Engineering Bulletin dated September 8, 2004, Subject: AMF/Deadman Battery Replacement	TRN-MDL-01075694
3330	Chart showing revision date of 11/11/09	Bates No. TRN-MDL-01079415
3331	Email from Geoff Broughton to Ronald Guidry and Michael Fry dated 01/29/2010, Subject: HORIZON Flowmeter	Bates No. TRN-MDL-01075634
3332	Email from Deepwater Horizon Subsea to DWH Maintenance dated November 21, 2004, Subject: MOC for lower ram	Bates No. TRN-INV-00388514
3333	Transocean Change Proposal, Proposal No. SS-10, Change Title: BOP Test Rams, Date: 11/21/04, by Kenneth-Peter Hildre	Bates No. TRN-MDL-00607555 through TRN-MDL-00607557
3334	Email from Martin Ward to Kent Corser, dated 05/21/04, Subject: Urgent Request: Interview Regarding BOP system on the HORIZON	Bates No. BP-HZN-BLY00196554 through BP-HZN-BLY00196556
3335	Transocean Change Proposal No. SS-016 dated 3/9/2006 by Mark Hay/Ray Bement, Change Title: 18-3/4" Annular stripper packer	Bates No. TRN-INV-00103130 through TRN-INV-00103136
3336	Email from Brett Cocalles to Paul Houston dated 01/21, Subject: VBR's	Bates No. BP-HZN-2179MDL00346660
3337	Email from DWH SubSeaSup to RJ Doucet dated 01/01/10, Subject: Subsea Mancondo Worklist	Bates No. TRN-MDL-00308722
3338	Email from Brett Cocalles to RJ Doucet and John Guide dated 01/02, Subject: Subsea Mancondo Worklist	Bates No. BP-HZN-2179MDL00343459 through BP-HZN-2179MDL00343460
3339	Interview Form for Stephen Bertone	Bates No. TRN-INV-00000296 through TRN-INV-00000306
3340	Subsea Support TeamDaily Report, dated 8/28/2009	Bates No. TRN-MDL-00308052 through TRN-MDL-00308068

Documents, Data and Information Considered

Exhibit No.	Description	Bates Number
3341	Factory Acceptance Test Procedure for Subsea Electronic Module, prepared by Ajay Chirayil, dated 07/17/2009	Bates No. CAM_CIV_0105063 through CAM_CIV_0105073
3342	Transocean Maintenance Procedures, Issue No. 3, Revision date: 10/1/2009	Bates No. TRN-HCEC-00005322 through TRN-HCEC-00005401
3343	DEEPWATER HORIZON TL BOP Stack Operation and Maintenance Manual	Bates No. TRN-HCEC-00007822 through TRN-HCEC-00008055
3344	PowerPoint Presentation: Performance Through Leadership, Transocean Mark I/II Upgrade, dated March 18, 2009	
3552	Email from Tim Burns to Robert Kaluza Dated April 17, 2010; Subject: Re: Horizon WSL, marked as Confidential	BP-HZN-2179MDL00250714
3553	Email from Robert Kaluza to Brian Morel; Dated April 19, 2010; Subject: Emailing 7 x 9.875 in cement job.doc, marked as Confidential	BP-HZN-2179MDL00250797 - 50799; 50810 - 50811; 50813 to 50814
3554	Email from Robert Kaluza to Brian Morel; Dated April 20, 2010; Subject: RE: Ops Note, marked as Confidential	BP-HZN-2179MDL00250950
3555	Email from Tony Emmerson to Robert Kaluza Dated March 21, 2010; Subject: 2009 Annual Individual Performance Assessment Kaluza, marked as Confidential	BP-HZN-2179MDL00290720 - 90724
3556	Chart Drilling & Completions As of April 2010, marked as Confidential	BP-HZN-2179MDL00305139 - 05164
3557	Email from Don Vidrine to Robert Kaluza; Dated April 16, 2010; Subject: FW: Updated Procedure; Attachments: Macondo_Drilling_Production_Interval BP01_rev2.ZIP, marked as Confidential	BP-HZN-2179MDL00312793 - 12814
3558	Email from Don Vidrine to Robert Kaluza; Dated April 16, 2010; Subject: FW: Ref. Manifest, marked as Confidential	BP-HZN-2179MDL00312845 - 12846
3559	Email from Don Vidrine to Robert Kaluza; Dated April 16, 2010; Subject: FW: Modification of Permit to Bypass at Location Surface LEase: G32306 Surface Area: MC Surface Block: 252 Bottom Lease: G32306 Bottom Area: MC Bottom Block: 252 Well Name: 001 Assign	BP-HZN-2179MDL00312847 - 12857
3560	Email from Don Vidrine to Robert Kaluza; Dated April 16, 2010; Subject: FW: Bp Nile P&A Load Out, with attachments, marked as Confidential; 20 pages	BP-HZN-2179MDL00312859 - 12876

Documents, Data and Information Considered

Exhibit No.	Description	Bates Number
3561	Email from Don Vidrine to Leo Linder, Robert Kaluza; Dated April 16, 2010; Subject: RE: Watrebased FAS pills; attachments, marked as Confidential	BP-HZN-2179MDL315083 - 15085
3562	Email from Lee Lambert to Robert Kaluza Dated April 19, 2010; Subject: Hitch Assessment; attachments, marked as Confidential	BP-HZN-2179MDL00315569 - 15570
3563	Email from Robert Kaluza to John Guide; Dated April 20, 2010; Subject: RE: Washing the well head, marked as Confidential	BP-HZN-2179MDL00317361
3564	Email from Robert Kaluza to Don Vidrine Dated April 20, 2010; Subject: FW: Washing the well head, marked as Confidential	BP-HZN-2179MDL00317391
3565	Email from Ronald Sepulvado to John Guide Dated April 25, 2010; Subject: Negative Test, marked as Confidential	BP-HZN-BLY00072942
3566	Email from Brian Morel to Robert Kaluza, Don Vidrine, Lee Lambert; Dated April 16, 2010; Subject: FW: Macondo Temporary Abandonment Procedure for MMS, attachment, marked as Confidential	BP-HZN-MBI 00127901 - 27905
3567	Deepwater Horizon Accident Investigation Report, September 8, 2010; 30 pages	
3568	Email from Charles Holt to Wes Black, Doug Chester, et al; Dated November 5, 2010; Subject: P&C - WSL Ranking Spreadsheet; attachment, marked as Confidential; 5 pages	BP-HZN-2179MDL01844731 - 44732
3569	Handwritten notes Bob Kaluza; Rex Anderson Dated 4/28 Details on Neg Test, marked as Confidential	BP-HZN-BLY00061485 - 61486
3570	Email from Jim Cowie to Rex Anderson; Dated April 30, 2010; Subject: Interviews; attachments, marked as Confidential; 6 pages	BP-HZN-BLY00083875 - 83879
3571	U.S. Coast Guard Witness Statement Investigations Department; Statement of Shane E. Albers, marked as Confidential	TRN-HCJ-00121082 - 21096
3572	Interview of Robert Kaluza, Well Site Leader, April 23, 2010, marked as Confidential	TRN-HCJ-00121085 - 21096
3573	Handwritten notes In the Hole, marked as Confidential	BP-HZN-2179MDL00252245 - 52247
3574	SI-10-0573-I Transcribed Interview of Robert Kaluza marked DRAFT; 51 pages	
3575	Log of telephone calls John Guide or Mark Hafle and BP managed telephone lines on the DEEPWATER HORIZON; one page	

Documents, Data and Information Considered

Exhibit No.	Description	Bates Number
3576	Notes from interview of Robert Kaluza by Keith Daigle on April 25th, marked as Confidential	BP-HZN-BLY00045995 - 45999
3577	John Guide's notes of interview of Robert Kaluza interview on April 25th, marked as Confidential	BP-HZN-MBI00172324 - 72326
3578	D&C Field HSSE Advisor Roles and Responsibilities Revised March 2009, marked as Confidential	Bates No. BP-HZN-2179MDL02046214
3579	BP document, Getting HSE right and Tr@ction; three pages	
3580	U.S. Coast Guard Witness Statement, Investigations Department, Troy J. Hadaway, marked as Confidential	TRN-MDL-00120339 - 20340
3581	Transocean Worldwide Training Matrix; eight pages	
3582	Transocean RMS II Morning Report, Rig Deepwater Horizon, 19 Apr 2010, marked as Confidential	TRN-MDL-00077298 - 77325
3583	Interviewing Form, Interviewee Name: Troy Hadaway, marked as Confidential	TRN-INV-00001767 - 01774
3584	Handwritten Notes, By: Keith Lamb, Person Interviewed: Troy Hadaway, Date of Interview: May 21, 2010, marked as Confidential	TRN-INV-00001775 - 01797
3585	Transocean Rig Safety and Training Coordinator, website document; two pages	
3586	Feb 1-2, 2010 E-mail from Paul Johnson and DWH, RSTC (Deepwater Horizon), Subject: Emailing: DWH CMS Presentations.ppt with Attachments, marked as Confidential, 56 pages	TRN-MDL-00396589
3587	July 23, 2007 E-mail from Training, Subject: Emailing: QHSE Steering Minutes - 2006-08-06.doc, QHSE Steering Committee Minutes - 2006-Nov-19.doc, QHSE Steering Committee Minutes - 2007-May-13.doc, QHSE Steering Committee Minutes - 2004-02-02.doc, QHSE Ste	TRN-MDL-01545915 and 45921
3588	Feb 18 and 22, 2010 E-mail from Paul Johnson and DWH, RSTC (Deepwater Horizon), Subject: BOP Test Rams Level 2 Investigation (Revision 1).doc, with Attachments, marked as Confidential	TRN-MDL-00551747 - 51755
3589	March 16 and 17, 2010 E-mail from James Kent and Paul Johnson, Subject: Emailing: NAM DWH Closing Meeting.ppt, with Attachments, marked as Confidential	TRN-MDL-00291894 - 91907
3590	Oct 15, 2009 E-mails from John A Duhon and Patrick Cook, Subject: BP Lessons Learned from Thunder Horse and Recent Lessons Learned from Thunder Horse Incidents, with Attachments, marked as Confidential	TRN-MDL-00783655 and 83697 - 83707

Documents, Data and Information Considered

Exhibit No.	Description	Bates Number
3591	April 19, 2010 E-mail from DWH, RSTC, Subject: Daily START Scorecard, with Attachments, marked as Confidential	BP-HZN-MBI 00128814, 28816, 28817
3592	March 30, 2011 E-mail from Troy Hadaway, Subject: Emailing: WC Sect 1.2 Well Control Procedures, with Attachments, marked as Confidential	TRN-MDL-01545986 - 45991
3593	March 3, 2010 E-mail from DWH, RSTC, Subject: SVA START Process, with Attachments, marked as Confidential	TRN-MDL-00487615 - 87617
3594	March 10, 2010 E-mail from DWH, RSTC, Subject: THINK SVA, with Attachments, marked as Confidential	TRN-MDL-00481958 - 81961
3595	Deepwater Horizon Analysis of Experience in Position and Training Compliance as of 20 April 2010, marked as Confidential; 21 pages	
3596	Deepwater Horizon Transocean Internal Incident Investigation, Investigation Item: Training of Deepwater Horizon Crew, Ticket Reference No: P-0230, marked as Confidential	TRN-INV-00778289 - 78295
3600	Basic Operations Manual Book	CAM_CIV_0000244 - CAM_CIV_0000423
3601	E-mail from Carter Erwin Sent 2/22/2010 5:11 p.m. - Subject: RE: Control System Upgrade for HORIZON	Book No. CAM_CIV_0098247 through CAM_CIV_0098249
3602	Cameron Controls Daily Report Sheet Dated 5/MAY/2010; Project Title: SUBSEA POD Intervention	Book No. CAM_CIV_0046703 through CAM_CIV_0046721
3603	Emergency, Back-Up and Deepwater Safety Systems Automated Disconnect Systems for Shutting in Wells	Book No. CAM_CIV_0019820 through CAM_CIV_0019825
3604	1999-2000 Cameron Catalog	Book No. CAM_CIV_0019600 through CAM_CIV_0019611
3605	Engineering Bulletin EB 891 D, Dated September 8, 2004; AMF/Deadman Battery Replacement	Book No. CAM_CIV_0003275 through CAM_CIV_0003276
3606	Email from Eduardo Villmarin Dated April 4, 2006, 11:50 a.m.; Subject: RE: Need a Quote	Book No. CAM_CIV_0014450 through CAM_CIV_0014452
3607	Cameron Controls Daily Report Sheet Dated July 13, 2007; Project Title: Horizon	Book No. BP-HZN-BLY00111439
3608	Email from Richard E. Marques dated Friday December 29, 2006, 11:24 p.m.; Subject: FW: BOP Pod Damage	Book No. CAM_CIV_0014512 through CAM_CIV_0014514
3609	Controls Engineering EB 865C Dated 12-06-99; Deadman/AMF System Surface Testing	Book No. CAM_CIV_0003233
3610	DEEPWATER HORIZON BOP Subsea Test Well Num.: MC 252 Macondo #1; Date: 02-10-10	Book No. TRN-MDL-00106420 through TRN-MDL-00106431

Documents, Data and Information Considered

Exhibit No.	Description	Bates Number
3611	Cameron Controls Daily Report Sheet Dated 9/11/2001; Project Title - DEEPWATER HORIZON	Book No. CAM_CIV_0046820 through CAM_CIV_0046823
3612	Cameron Controls Daily Report Sheet Dated 9/17/2001; Project Title: DEEPWATER HORIZON	Book No. CAM_CIV_0046824 through CAM_CIV_0046827
3613	E-mail from Carter Erwin Dated 5/31/2006 3:55 p.m.; Subject: FW: Transocean DEEPWATER HORIZON	Book No. CAM_CIV_0080989 through CAM_CIV_0080990
3614	E-Mail from Carter Erwin Dated 2/22/2010 at 4:41 p.m.; Subject: FW: Control System Upgrade for Horizon; Attachment: CAMERON Drig and Production Sys Quote # 20554964	Book No. CAM_CIV_0150775 through CAM_CIV_0150778
3615	Color photograph of PETU with yellow rectangle below Insulation Monitorings	
3616	Color photograph of older PETU used during the top kill procedure	
3617	Cameron Desk Test Procedure for Mark-II Control Pod, Cameron P/N 2020708-21 DEEPWATER HORIZON; Dated May 10, 2010	Book No. CAM_CIV_0018112 through CAM_CIV_0018140
3618	Macondo Top Kill Procedures Manual for MC252-1 Re-Run & Function Test Yellow Pod	Book No. TDR018-002087 through TDR018-002123
3619	Cameron Controls Daily Report Sheet Dated 28/June/2010; Project Title: SUBSEA Blue POD Intervention	Book No. CAM_CIV_0151756 through CAM_CIV_0151762
3620	Factory Acceptance Test Procedure for Subsea Electronic Module (Horizon AMF/Deadman In Current Situation - Test Procedure); Dated May 11, 2010	Book No. CAM_CIV_0151942 through CAM_CIV_0151953
3621	Deck Test Procedure for Mark-II Control Pod Cameron P/N 2020708-21 "DEEPWATER HORIZON"	Book No. CAM_CIV_0151954 through CAM_CIV_0151975
3622	Cameron Controls Meeting Minutes; Date: August 4, 1999; RE: Progress Meeting	Book No. CAM_CIV_0018770 through CAM_CIV_0018772
3623	Operation Control Ticket; Date: 7/10/2007 16:01; Order No. 400129915 and associated documents	Book No. CAM_CIV_0016297 through CAM_CIV_0016360
3624	West Engineering Services, Inc. Evaluation of Secondary Intervention Methods in Well Control for US Minerals Management Services; Solicitation 1435-01-01-RP-31174; March 2003	Book No. TRN-MDL-00494920 through TRN-MDL-00495005
3625	Email from Craig McCormick; Date: 12/21/2006 7:20 a.m.; Subject: RE: DVS shear rams	Book No. CAM_CIV_0074063 through CAM_CIV_0074064
3626	Cameron Safety Alert # 4058 Mark III Modular Drilling Control POD SEM (Subsea Electronics Module) Indication Faults; Date: 12 February 2009	Book No. CAM_CIV_0012632 through CAM_CIV_0012634

Documents, Data and Information Considered

Exhibit No.	Description	Bates Number
3627	Email from LeNormand, W; Date: 9/21/2009 4:58 p.m.; Subject: FW: Pictures of Pie Connector	Book No. CAM_CIV_0150654
3628	Email from Michael Fry; Date: 2/19/2010 12:26 p.m.; Subject: FW: Event Logger readings	Book No. CAM_CIV_0150773 through CAM_CIV_0150774
3629	TransOcean 1997-2010 Repairs - HORIZON Only	Book No. CAM_CIV_0130486 through CAM_CIV_0130512
3630	Email from Michael Fry; Date: 2/19/2010 12:26 p.m.; Subject: FW: Event Logger readings	Book No. CAM_CIV_0150773 through CAM_CIV_0150774
3631	Appendix AA DEEPWATER HORIZON BOP Modifications Since Commissioning	Book No. BP-HZN-BLY00000758 through BP-HZN-BLY00000760
3632	Cameron Controls Daily Report Sheet Dated 20/August/2010; Project Title: Subsea Stack Intervention	CAM_CIV_0237695 through CAM_CIV_0237696
3633	Top Well Kill Team Installation of Yellow POD onto HORIZON LMRP from Q4000; Initial Draft 6 May 2010	CAM_CIV_0152391 through CAM_CIV_0152400
3634	Email from William LeNormand Dated 5/15/2010 at 11:03 a.m.; Subject: RE: Distribution between Conduit/Pod/Solenoid Package	CAM_CIV_0151517 through CAM_CIV_0151523
3635	Email from William Stringfellow Dated 5/29/2010 at 4:49 a.m.; Subject: PETU Question	CAM_CIV_0028727
3636	Email from Merrick M. Kelley Dated 6/24/2010 at 2:47 p.m.; Subject: REQUEST: Attend Blue Pod Recover Procedure Review at bp office	CAM_CIV_0151579 through CAM_CIV_0151594
3637	Email from William LeNormand Dated 7/11/2010 at 7:31 p.m.; Subject: RE: NEXT STEP - BLUE POD Operations	CAM_CIV_0150536 through CAM_CIV_0150537
3638	Chief Counsel's Report; Automatic Mode Function (AMF)/Deadman	
3639	Cameron Field Service Order No. 130495; Date Prepared: 8-20-06	CAM_CIV_0016118
3640	Cameron Drilling Systems Performance Through Leadership	CAM_CIV_0019538 through CAM_CIV_0019572
3686	Rough schematic of the DEEPWATER HORIZON	
3687	Handwritten U.S. Coast Guard Witness Statement of Carl Taylor	TRN-MDL-00120235
3688	Interview Notes of Carl Taylor from Interview with Mr. Shuman	TRN-INV-00920383
3689	Transocean Personnel Onboard Form Dated April 14, 2010	TRN-MDL-00030381 - 388
3690	Transocean Personnel Onboard Form Dated April 15, 2010	TRN-MDL-00030389 - 395

Documents, Data and Information Considered

Exhibit No.	Description	Bates Number
3691	Transocean Personnel Onboard Form Dated April 16, 2010	TRN-MDL-00030396 - 403
3692	Transocean Personnel Onboard Form Dated April 17, 2010	TRN-MDL-00030404 - 411
3693	Transocean Personnel Onboard Form Dated April 18, 2010	TRN-MDL-00030412 - 419
3694	Transocean Personnel Onboard Form Dated April 19, 2010	TRN-MDL-00030420 - 427
3695	Transocean Personnel Onboard form dated April 20, 2010, Various Bates Numbers	TRN-MDL-00030435 - TRN-MDL-00030441
3696	Transocean Personnel Onboard form dated April 21, 2010	TRN-INV-00008092 - 8097
3697	Confidential Interviewing Form for William "Billy" Terrell June 22, 2010	TRN-INV-00004674-82
3927	Email from DWH RadioOper to Strength Reports, Andrea Roberts, Andy Vandevelde, et al dated 3/7/2010, Subject: Strength Report for Horizon	TRN-MDL-00486091 through TRN-MDL-00486116
3928	Job description for Roustabout	
3929	Safety Drill Report dated 4/17/10	TRN-USCG_MMS-00024204 through TRN-USCG_MMS-00024227
3930	Certificate for Nikalaus Watson for completing Roustabout training	TRN-MDL-00038100 through TRN-MDL-00038101
3931	Interviewing Form of Christopher Duhon, II dated 6/14/10	TRN-INV-00001293 through TRN-INV-00001298
3932	Email from Maintenance to John Keeton dated 11/18/08, Subject: Personnel	TRN-INV-00217554
3933	Email from Paul Johnson to Steve Myers dated 6/4/2010, Subject: GOM34734 has been scanned	TRN-MDL-01292632 through TRN-MDL-01292640
3934	Daily Drilling Report dated 2/23/2010, Report No. 24	TRN-MDL-00026146 through TRN-MDL-00026198
3935	Training Transcript of Nickalus Watson	TRN-MDL-01316501 through TRN-MDL-01316528
4000	E-mail from Scherie Douglas to Mark Hafle and others, dated May 26, 2009	BP-HZN-2179MDL00237054 - BP-HZN-2179MDL00237082
4001	Application for Revised New Well	BP-HZN-BLY00235604 - BP-HZN-BLY00235614
4002	Application for Revised New Well	BP-HZN-BLY00237943 - BP-HZN-BLY00237949
4003	E-mail from Brian Morel to Ronald Sepulvado and others, dated January 19, 2010	BP-HZN-BLY00237039 - BP-HZN-BLY00237051
4004	E-mail from Brett Cocalles to Don Vidrine and others, dated February 25, 2010	BP-HZN-2179MDL00005471 - BP-HZN-2179MDL00005479

Documents, Data and Information Considered

Exhibit No.	Description	Bates Number
4005	E-mail from Brett Cocalles to Brian Morel, dated March 13, 2010	BP-HZN-MBI00110584; BP-HZN-BLY00063570 - BP-HZN-BLY00063570
4006	Application for Revised Bypass	BP-HZN-BLY00235651 - BP-HZN-BLY00235660
4007	E-mail from Scherie Douglas to Brian Morel and others, dated February 8, 2010	BP-HZN-SNR00000625 - BP-HZN-SNR00000631
4008	Application for Revised New Well	BP-HZN-SNR00000770 - BP-HZN-SNR00000782
4009	E-mail from Scherie Douglas to Brian Morel and others, dated February 8, 2010	BP-HZN-BLY00241259
4010	Form MMS - 133, Electronic Version	BP-HZN-SNR00000491 - BP-HZN-SNR00000492
4011	E-mail from James Grant to James Grant and others, dated April 5, 2010	BP-HZN-2179MDL00302808 - BP-HZN-2179MDL00302810
4012	MMS District SAFE Award Recipients	
4013	MMS SAFE Award Program	BP-HZN-2179MDL00302811 - BP-HZN-2179MDL00302812
4014	E-mail from Lars Herbst to James Grant and others, dated March 19, 2010	BP-HZN-2179MDL00290025 - BP-HZN-2179MDL00290026
4015	30 CFR 250.140	
4016	E-mail from Frank Patton to Graham Crane, dated August 7, 2006	IMS026-000799 - IMS026-000800
4017	E-mail from David Trocquet to Graham Crane and others, dated August 22, 2006	IMS026-013830
4018	E-mail from Frank Patton to Tom Meyer and others, dated August 6, 2009	IMS023-045399 - IMS023-045400
4019	BOEMRE - National Office Potential Incident of Noncompliance (PINC) List	
4020	End of Operations Report	BP-HZN-SNR00000406 - BP-HZN-SNR00000408
4021	Application for Permit to Drill a New Well	BP-HZN-SNR00000122 - BP-HZN-SNR00000150
4022	30 CFR 250.427	
4023	Daily Operations Report - Partners (Drilling)	BP-HZN-MBI00013764 - BP-HZN-MBI00013769
4024	Daily Operations Report - Partners (Drilling)	BP-HZN-MBI00014025 - BP-HZN-MBI00014030
4025	Instructions for Use of the Formation Pressure Integrity (PIT) Workbook	
4026	30 CFR 250.400	
4027	Not attached	

Documents, Data and Information Considered

Exhibit No.	Description	Bates Number
4028	E-mail from David Trocquet to Glenn Woltman and others, dated April 21, 2006	IMS026-010823 - IMS026-010826
4029	E-mail from Scherie Douglas to Trent Fleece and others, dated October 20, 2009	BP-HZN-2179MDL00211240 - BP-HZN-2179MDL00211241
4030	Application for Revised Bypass	BP-HZN-SNR00000441 - BP-HZN-SNR00000450
4031	Standard Operating Procedures Drilling Operations, Field Operations, GoM, dated June 15, 2008	IMS020-011185 - IMS020-011237
4032	Form MMS 124 - Electronic Version	BP-HZN-SNR00000944 - BP-HZN-SNR00000947
4033	30 CFR 250.1712	
4034	30 CFR 250.1721	
4035	E-mail from Joseph Levine to William Rhome and others, dated July 11, 2008	IMS023-014842 - IMS023-014843
4036	E-mail from Scherie Douglas to Heather Powell, dated February 16, 2010	BP-HZN-2179MDL00161084 - BP-HZN-2179MDL00161085
4037	Daily Drilling Report	BP-HZN-BLY00242520 - BP-HZN-BLY00242523
4038	E-mail from Scherie Douglas to Brian Morel, dated March 18, 2010	BP-HZN-2179MDL02859918
4039	MMS New Orleans District - Record of Conversation	
4040	Daily Drilling Report	BP-HZN-2179MDL00060898; BP-HZN-2179MDL00060900
4041	E-mail from Scherie Douglas to lcarter46@cox.net, dated October 25, 2009	BP-HZN-2179MDL02747482 - BP-HZN-2179MDL02747483
4042	E-mail from John Lebleu to Jianguo Zhang, dated April 2, 2010	BP-HZN-2179MDL00026120 - BP-HZN-2179MDL00026121
4043	Daily PPFG report	BP-HZN-2179MDL00247855 - BP-HZN-2179MDL00247856
4044	Application for Revised Bypass	BP-HZN-OGR000748 - BP-HZN-OGR000756
4045	Application for Revised Bypass	BP-HZN-OGR000735 - BP-HZN-OGR000747
4046	Daily Operation Report - Partners (Drilling)	BP-HZN-MBI00013935 - BP-HZN-MBI00013937
4047	Application for Revised Bypass	BP-HZN-OGR000709 - BP-HZN-OGR000724
4048	Daily Geological Report	
4049	Notice of Lessees and Operators of Federal Oil, Gas, and Sulphur Leases, Outer Continental Shelf, Gulf of Mexico OCS Region	BP-HZN-2179MDL01987517 - BP-HZN-2179MDL01987519

Documents, Data and Information Considered

Exhibit No.	Description	Bates Number
4050	E-mail from Rita Lewis to David Trocquet and others, dated May 24, 2010	IMS021-023359 - IMS021-023360
4051	Chart	IMS025-013583 - IMS025-013585
4052	MC252 OCS-G 32306 Well Number 1 - History Macondo Prospect	IMS021-008823 - IMS021-008825
4053	E-mail from Ronald Sepulvado to DWH OIM and others, dated January 15, 2010	TRN-INV-00598056 - TRN-INV-00598057
4054	E-mail from Frank Patton to Scherie Douglas, dated February 24, 2010	BP-HZN-2179MDL00005009 - BP-HZN-2179MDL00005010
4055	Form MMS 124 - Electronic Version	BP-HZN-OGR000686 - BP-HZN-OGR000689
4056	E-mail from David Trocquet to Scherie Douglas, dated March 10, 2010	BP-HZN-2179MDL00004812 - BP-HZN-2179MDL00004814
4057	Form MMS 133 - Electronic Version	BP-HZN-FIN00000261 - BP-HZN-FIN00000263
4058	E-mail from Heather Powell to Frank Patton, dated April 15, 2010	BP-HZN-2179MDL00031929
4059	E-mail from Heather Powell to Frank Patton, dated April 16, 2010	BP-HZN-2179MDL00042191
4060	E-mail from Gregory Walz to Wes Black and others, dated April 19, 2010	BP-HZN-MBI00128990 - BP-HZN-MBI00128996
4061	E-mail from Sam Sankar to David Trocquet, dated October 20, 2010	IMS018-001016 - IMS018-001024
4062	Daily Operations Report - Partners (Drilling)	BP-HZN-MBI00013764 - BP-HZN-MBI00013769
4063	Personal Background	IMS017-004747 - IMS017-004764
4064	E-mail from Robert Sanders to Keith Daigle dated 10/1/2008, Subject: Notes from PDP Fest with attachment	BP-HZN-2179MDL03091218 through BP-HZN-2179MDL03091219
4065	E-mail from Allen Pere to Richard Harland, Keith Daigle, Bill Mills and Bruce Rogers dated 6/23/2009, Subject: Macondo PPFPG Peer Review Finding with attachment	BP-HZN-2179MDL02633049 through BP-HZN-2179MDL02633052
4066	E-mail from Allen Pere to Bruce Rogers, Keith Daigle, Bill Mills, Richard Harland dated 6/25/2009, Subject: Draft Macondo Peer Review Feedback, with attachments	BP-HZN-2179MDL02628089 through BP-HZN-2179MDL02628097
4067	E-mail from Zane Nixon to Keith Daigle, R.J. Doucet and Paul Lockwood dated 7/21/2009, Subject: Trip Out Tomorrow	BP-HZN-2179MDL02459880

Documents, Data and Information Considered

Exhibit No.	Description	Bates Number
4068	E-mail from Charles Holt to Wes Black, Doug Chester, George Gray, et al., dated 11/5/2009, Subject: P&C - WSL Ranking Spreadsheet	BP-HZN-2179MDL01844731 through BP-HZN-2179MDL01844732
4069	E-mail from Martin Breazeale to Keith Daigle dated 12/7/2009, Subject: Modules?	BP-HZN-2179MDL02552039 through BP-HZN-2179MDL02552061
4070	E-mail from Phillip Powell to Keith Daigle dated 2/18/2010, Subject: Module # 4	BP-HZN-2179MDL02505396 through BP-HZN-2179MDL02505412
4071	E-mail from John Shaughnessy to Keith Daigle dated 3/1/2010, Subject: Questions from the UK group-Dual Activity, with attachments	BP-HZN-2179MDL03089470 through BP-HZN-2179MDL03089479
4072	E-mail from John B. LeBleu to Gregory Walz dated 4/6/2010, Subject: Loss Circulation Product EMI 1820	BP-HZN-2179MDL00303769 through BP-HZN-2179MDL00303771
4073	E-mail from George Gray to Keith Daigle and Maniram Sankar dated 5/28/2008, Subject: Marianas WSL	BP-HZN-2179MDL02486517 through BP-HZN-2179MDL02486519
4074	Handwritten notes from AIG Teleconference	BP-HZN-2179MDL03089072
4075	E-mail from Keith Daigle to George Gray dated 2/3/2008, Subject: WSL Expiring Well Control Certificate	BP-HZN-2179MDL02148713 through BP-HZN-2179MDL02148715
4076	E-mail from Wendy Goodman to James Lucari, Kent Corser dated 2/27/2010, Subject: MC 252 Internal Investigation - Interviews	BP-HZN-BLY00121119 through BP-HZN-BLY00121121
4077	E-mail from Doug Chester to Keith Daigle dated 02/13/2010, Subject: Excellent net Update 2.4.10 ppt	BP-HZN-2179MDL02031865 through BP-HZN-2179MDL02031873
4078	E-mail from Keith Daigle to John Guide dated 4/6/2010, Subject: WSL Schedule	BP-HZN-2179MDL00303781
4079	E-mail from Keith Daigle to Robert Kaluza dated 4/12/2010, Subject: Deepwater Horizon	BP-HZN-2179MDL03093998
4080	E-mail from Keith Daigle to John Guide dated 04/21/2010, Subject: BP WSL ROV Support- Update	BP-HZN-2179MDL00414115 through BP-HZN-2179MDL00414116
4081	E-mail from Joel Moore to Eric Neal, Robert Neal, Michael Singleton, et al dated 9/14/2009, Subject: INC Tracking Spreadsheet	IMS034-005309
4082	E-mail from Jason Mathews to Frank Patton, Eric Neal, Robert Neal dated 5/4/2010, Subject: MC 252 Hearings May 11-14	IMS018-015095
4083	Inspector Training Records - New Orleans District	IES001-008033 through IES001-008044
4084	Daily Drilling Report dated 3/18/10	BP-HZN-MBI00143517
4085	Transocean MMS/USCG RIG Inspection Summary Report	TRN-HCJ-00128177
4086	Daily Drilling Report dated 4/5/2010	BP-HZN-MBI00136803 through BP-HZN-MBI00136806

Documents, Data and Information Considered

Exhibit No.	Description	Bates Number
4121	Minerals Management Service Drilling Inspection Pinc List Announced and Unannounced/ Surface and Subsea	
4122	MMS National Office Potential Incident of Noncompliance (PINC) List	
4123	MMS/USCG RIG Inspection Summary Report, Deepwater Horizon	TRN-MDL-00038488
4124	E-mail dated 20 December 2006 Robert Neal to Susan Neal	IMS034-009135 - IMS034-009136
4125	E-mail dated 03 May 2007 Barnard to Fontenot and others	IMS036-010617 - IMS036-010618
4126	Drilling Inspection Announced and Unannounced/Surface and Subsea	
4127	Drilling Inspection Announced and Unannounced/Surface and Subsea	
4128	MMS Checklist	
4129	Form MMS-133 - Electronic Version Well Activity Report (WAR)	BP-HZN-2179MDL01906861 - BP-HZN-2179MDL01906863
4130	Form MMS-133 - Electronic Version Well Activity Report (WAR)	BP-HZN-2179MDL01906858 - BP-HZN-2179MDL01906860
4131	Form MMS-133 - Electronic Version Well Activity Report (WAR)	BP-HZN-2179MDL01906854 - BP-HZN-2179MDL01906857
4132	Form MMS-133 - Electronic Version Well Activity Report (WAR)	BP-HZN-2179MDL02470648 - BP-HZN-2179MDL02470650
4133	Form MMS-133 - Electronic Version Well Activity Report (WAR)	BP-HZN-2179MDL01906847 - BP-HZN-2179MDL01906850
4134	Open Hole Data Report Well Data Inventory	BP-HZN-2179MDL01906846 ; BP-HZN-2179MDL02108222
4135	Mineral Management Service Drilling Inspection Pinc List Announced and Unannounced/ Surface and Subsea	IES001 008251
4136	U.S. Department of the Interior, Mineral Management Service FOR MMS USE ONLY-Test C-Key Drilling	IIG013-037711 - IIG013-037715
4137	U.S. Department of the Interior, Mineral Management Service FOR MMS USE ONLY-Test B Drilling	IMS023-016644 - IMS023-016649
4138	Drilling, Last Update May, 2008, Traveling Block	BP-HZN-2179MDL01925581 - BP-HZN-2179MDL01925621 (Original Ex is only single sided so every other bates no. is missing)
4139	Mineral Management Service Drilling Inspection Pinc List Announced and Unannounced/Surface and Subsea	
4140	RMS-Gas Detection, marked as Confidential	TRN-INV-01138417 - 38422

Documents, Data and Information Considered

Exhibit No.	Description	Bates Number
4141	Transocean Request for Exemption, marked as Confidential	TRN-MDL-01545921
4142	Maconda Well Incident Transocean Investigation Report Volume 1 Dated June 2011; 206 pages	
4143	May 16, 2010 CBS News Report: Blowout: The Deepwater Horizon Disaster; 16 pages	
4144	Complaint for Damages Under the Jones Act, etc.; eight pages	
4145	SPM01-Gas Detector-Checks - Work Done Report, marked as Confidential	TRN-INV-00842534 - 42536
4146	Transocean RMS II-Equipment History dated May 6, 2010, marked as Confidential	TRN-MDL-00079093 - 79190
4219	Resumé of Patrick O'Bryan, Ph.D., through 2003, marked CONFIDENTIAL	Bates No BP-HZN-2179MDL02418500 2418502
4220	June 2 and 9, 2010 E-mail string from Marshall Maestri to James Lucari, Stanley Lane; from James Lucari to Marshall Maestri, Stanley Lane; Subject: Request for Information from GOM with Attachments, marked as Confidential, two pages	BP-HZN-BLY0019751
4221	April 8, 2010 E-mail from David Sims to Patrick O'Bryan Subject: Pore Pressure with Attachments, marked as Confidential, five pages	BP-HZN-2179MDL00861516 - 61518
4222	Feb 1, 2010 E-mail from Patrick O'Bryan to Cindi Skelton and from Cory Davis to Gary Imm, Richard Morrison, Patrick O'Bryan and others Subject: Agenda and Pre-read for HSSE QPR with Attachments marked as Confidential, fourteen pages	BP-HZN-2179MDL02409720 - 09721 and 09733 - 09738
4223	April 9, 10, 12, 14, 2010 E-mail String from David Sims to Kemper Howe and from Jayne Gates to David C Sims and others Subject: Nile and Kaskida 180 day clock, marked as Confidential	BP-HZN-MBI 00126666 - 26669
4224	Feb 2 and 3, 2010 E-mail String from George Gray to Charles Holt, Andrew Frazelle and others, from Steve Tink to David Rich, Patrick O'Bryan, from Patrick O'Bryan to Susan Longo Subject: Bi-Monthly HSSE Performance Meeting Minutes with Attachments, marked	BP-HZN-2179MDL0240699 - 06600
4225	April 15, 2010 E-mail string from Steve Tink to Daun Winslow, Andrew Frazelle and others, from Patrick O'Bryan to Steve Tink Subject: D&C HSSE Steering Committee Meeting Agenda, marked as Confidential	BP-HZN-2179MDL00321346

Documents, Data and Information Considered

Exhibit No.	Description	Bates Number
4226	April 18, 24 and June 23, 2010 E-mail string from Michael Leary to Patrick O'Bryan, from Neil Shaw to G GOM SPU LT, from Cindi Skelton to Michael Leary Subject: GOM Diagnostic Report - Pre-Read for LT Offsite on 5th May with Attachments, marked as Confide	BP-HZN-2179MDL01952376 - 52377
4227	March 5, 2010 E-mail string from Johanna Hohle to James Dupree, Fergus Addison and others, from Fergus Addison to Johanna Hohle, James Dupree and others Subject: Mad Dog North well Keeper vs Expendable, marked as Confidential	BP-HZN-2179MDL00321214
4228	March 1 and 11, 2010 E-mail string from Andy Hine to David Bode, Mikel Schultz and others, from Doug Chester to Andy Hine Subject: Request for Information - 2010 Critical Well Data with Attachments, marked as Highly Confidential	BP-HZN-2179MDL00337221 - 37222
4229	BP Drilling & Completions Critical Activity (2010); one page	
4230	March 5 and 7, 2010 E-mail string from David Sims to David Rich, from David Sims to Patrick O'Bryan Subject: Burns, marked as Confidential	BP-HZN-MBI 00109048 - 09049
4231	March 22, 2010 E-mail from Jake Skelton to Jake Skelton Subject: Mtg with D&C LT, marked as Confidential	BP-HZN-2179MDL00412809
4232	Feb 3, 4 and March 1-3, 2010 E-mail string from Juan Pinzon to Larry Kappmeyer, Roberto Pena and others; from Nicholas Mutch to Kenneth Allen, William Allen and others; from Nicholas Mutch to Barbara Yilmaz; and others Subject: Targeting failure: Shell te	BP-HZN-2179MDL00321194 - 21198
4233	March 8, 2010 E-mail string from Tom Scoular, from David Cocking, from Steven Haden Subject: WMDW-7 Stuck Pipe Investigation Findings with Attachments, marked as Confidential	BP-HZN-2179MDL00412601
4234	BP WMDW-7 Stuck Pipe Incident Summary 7th March 2010; six pages	
4235	April 20, 2009 E-mail from David Andrews to Patrick O'Bryan, Steven Haden and others; April 28, 2009 E-mail from Steven Haden to David Andrews; May 7, 2009 E-mail from Patrick O'Bryan to David Andrews; May 10, 2009 E-mail from Mike Bowman to David Andrews	BP-HZN-2179MDL02406766 - 15 06787

Documents, Data and Information Considered

Exhibit No.	Description	Bates Number
4236	August 13, 17, 18, 2009 E-mail string from Brian Hebert to Patrick O'Bryan, from Brian Hebert to Tina Collier, from Tina Collier to Brian Hebert and others Subject: Hebert's WC Final Magazine Edits with Attachments, marked as Confidential	BP-HZN-2179MDL02405560 - 05563 and 16825 - 16857
4237	BP Gulf of Mexico SPU Drilling, Completion and Intervention Excellence Plan, marked as Confidential	BP-HZN-BLY00067635 - 67653
4238	2010 Performance Contract: Pat O'Bryan, Gulf of Mexico VP D&C; one page	
4239	Jan 14, 2011 E-mail from Bethany Clarkson to Cindi Skelton Subject: PRINTED - IN MONDAY FOLDER - Reference Information--2010 GoM OMS Gap Assessment and LT Summary with Attachments, marked as Confidential, four pages	BP-HZN-2179MDL01641881 - 41888 and 41890 - 41891
4240	BP Dynamic Simulations Deepwater Horizon Incident, Page: 13:59, Rev: Final, Date: Aug 29; two pages	
4241	April 16, 2010 E-mail from Patrick O'Bryan to Jonathan Sprague Subject: Co-owner Info Guidance Document, marked as Confidential	BP-HZN-2179MDL00321325
4242	April 11 and 12, 2010 E-mail string from David Sims to Brian Morel, from Brian Morel to David Sims Subject: Macondo times, marked as Confidential	BP-HZN-MBI 00125958
4243	April 12 and 13, 2010 E-mail string from Brian Morel to Merrick Kelley, from Merrick Kelley to Brian Morel, from Brian Morel to Gregory Walz, marked as Confidential	BP-HZN-MBI 00126333
4244	July 15, 2011 Letter from James Dupree to Director Michael Bromwich, Re: Commitments to Promote Safe Drilling Operations in the Deepwater Gulf of Mexico; four pages	
4245	Bill Ambrose-Biography/National Commission on the BP Deepwater Horizon Oil Spill and Offshore Drilling; one page	
4246	Agreed 30(b)(6) Deposition Notice of Transocean Defendants (with 30(b)(5) Document Requests); nine pages	
4247	July 11, 2011 E-mail from Carter Williams to Stephen Herman, James Roy, R Michael Underhill, Luther Strange; In re: Deepwater Horizon, MDL No. 2179; two pages	
4248	Macondo Well Incident Transocean Investigation Report Volume 1 Dated June 2011; 206 pages	

Documents, Data and Information Considered

Exhibit No.	Description	Bates Number
4249	April 9 and 11, 2010 E-mail string from Mark Hafle to Doris Reiter, from Doris Reiter to Mark Hafle, Subject: Macondo update and forward plan awareness, marked as Confidential	BP-HZN-2179MDL01027524 and 27525
4250	Photograph taken of DEEPWATER HORIZON before it sank; one page	
4251	Photograph of rig listing starboard aft; one page	
4252	Photograph of rig in the process of sinking to starboard side; one page	
4253	May 30, 2008 E-mail string from Buddy Trahan to Alberto Garcia and others, from Alberto Garcia to Buddy Trahan and others, from Buddy Trahan to Alberto Garcia and others, Subject: Update, marked as Confidential	TRN-INV-00446562 - 46564
4254	No 512100-000005-3, Daily Drilling Report, Report No 5; f097706a3b447d8b5ff48fabafadda72 - 72.004	
4255	July 12, 2010 E-mail string from Bill Ambrose to Steve Hand; from Steve Hand to Bill Ambrose, Barry Braniff; from Barry Braniff to Bill Ambrose Subject: Riser Unloading Well Control Events with Attachments, marked as Confidential	TRN-INV-01143129 - 43189
4256	Graph, Transocean's 10 Worst Kicks - 2009; one page	
4257	Article from July/August 2007 Drilling Contractor, titled "Absence of fatalities in blowouts encouraging in MMS study of OCS incidents 1992-2006"; four pages	
4258	Transocean, Title: Performance and Operations Policies and Procedures, marked as Confidential Treatment Requested by TODDI	TRN-MDL-00273633 - 73895
4259	June 7 and 8, 2010 E-mail string from Bob Walsh to Silvestru Bondar, from Silvestru Bondar to DWN,MaintSup (Deepwater Nautilus) and others Subject: Deepwater Horizon Flow Indicator - questions, marked as Confidential	TRN-INV-01144395
4260	May 28 and June 1 through 14, 2010 E-mail string from Sridhar Chundru to Bob Walsh and Silvestru Bondar, from Bob Walsh to Simon Watson and Vicki Garza, from Simon Watson to Bill Sannan, and others Subject: Transocean Deepwater Horizon - Mud Flow Transmit	TRN-INV-01155156 - 55160
4261	Lloyd's Register Safety Management Systems and Safety Culture/Climate Reviews: Deepwater Horizon Closing Meeting: 16 Mar 2010, marked as Confidential	TRN-INV-00016752 - 16763

Documents, Data and Information Considered

Exhibit No.	Description	Bates Number
4262	May 21 and 22, 2010 E-mail string from Bill Ambrose to Steven Newman Subject: Investigation Team Bi-Weekly Update/2010-05-21, marked as Confidential	TRN-INV-01798151 - 98153
4263	July 26, 2010 Memorandum from P.R. Roller to Bill Ambrose RE: Investigation of Negative Test and Riser Displacement Procedures (Preliminary Report), marked as Confidential	TRN-INV-01639748 - 39756
4264	OTC 17818, Titled: Deepwater Drilling Made more Efficient and Cost-Effective: Using the Microflux Control Method and an Ultralow-Invasion Fluid To Open the Mud-Weight Window; ten pages	
4265	Well Review Checklist, Input Kick Tolerance Data, Well Overview, Maximum Pressure @ Wellhead, Pore Pressure, Mud & Fracture Weights Chart, Help; Revised 16th April 2008; ten pages	
4266	July 10, 2011 E-mail from Andrew Langan to Sally Shushan Subject: MDL 2179 - Opticem Modeling Issue -- followup; four pages	
4267	Supplemental Response on Behalf of Triton Asset Leasing GMBH, Transocean Holdings LLC, Transocean Deepwater Inc., and Transocean Offshore Deepwater Drilling Inc. To Interrogatory No. 38 of the BP Parties' First Set of Interrogatories' and General Objectio	
4268	Transocean DWH Investigation Documents beginning 5/27/2004, ending 5/24/2010; various Bates numbers beginning with TRN-INV-01021316, ending with TRN-INV-01028650	various Bates numbers beginning with TRN-INV-01021316, ending with TRN-INV-01028650
4269	Cement and Concrete Research 39 (2009) 353-361, marked as Confidential	TRN-INV-01227646 - 27654
4270	National Oil Spill Commission Meeting Conducted on Monday, November 8, 2010; 97 pages	
4271	Drilling Contract RBS-8D Semisubmersible Drilling Unit Vastar Resources, Inc and R&B Falcon Drilling Co. Contract No. 980249 Date: December 9, 1998, marked as Confidential	BP-HZN-MBI00021460 - 21999
4272	Vastar Resources NC Deepwater Horizon Technical Position Paper, marked as Confidential Treatment Requested by Transocean Holdings LLC	TRN-HCEC-00026736 - 27083
4273	Cameron Controls Meeting Minutes dated Feb 16, 2000 Re: Deepwater Horizon Progress Meeting, marked as Confidential	CAM_CIV_0052589 - 52590

Documents, Data and Information Considered

Exhibit No.	Description	Bates Number
4274	Cooper Cameron Control RBS-8D Correspondence Distribution and Cameron Controls Meeting Minutes dated September 15, 1999 Re: Progress Meeting, marked as Confidential	CAM_CIV_0018746 - 18748
4275	Risk Assessment of the Deepwater Horizon Blowout Preventer (BOP) Control System April 2000 Final Report, prepared for Cameron Controls Corp, marked as Confidential Treatment Requested by Transocean Holdings LLC	TRN-HCEC-00056391 - 56860
4276	Attachment 1.2A-Pricing Format Cameron Quotation #445415, marked as Confidential Treatment Requested by Transocean Holdings, LLC	TRN-HCEC-00077361 - 77476
4277	Jan 22, 2009 from Carter Erwin to Geoff Boughton Subject: 20506009 Transocean (Mark III Model 80)-Adobe Acrobat Standard, marked as Confidential with Attachments	CAM_CIV_0097589 - 97594
4278	Daily Drilling Reports with beginning date of 31 Jan 2010, ending date of 18 April 2010, marked as Confidential; various Bates numbers beginning with TRN-MDL-00600485, ending with TRN-INV-00017275	various Bates numbers beginning with TRN-MDL-00600485, ending with TRN-INV-00017275
4279	Feb 19 and 20, 2010 E-mail from DWH, SubSeaSup (Deepwater Horizon) to James Kent, from James Kent to DWH, SubSeaSup (Deepwater Horizon), DWH, MaintSup (Deepwater Horizon) Subject: Slip Joint Repairs, marked as Confidential	TRN-MDL-00303064
4326	Cementing PSL 2009 Technology Plan	HAL_O607094
4327	5-22-10 Roth e-mail to Sweatman with attachment	HAL_O606181 to HAL_O606265
4328	5-21-10 Roth e-mail to Badalamenti, et al., with attachment	HAL_1125476 to HAL_1125511
4329	5-24-10 Roth e-mail to Sweatman with attached e-mail string	HAL_1125467 to HAL_1125472
4330	5-30-10 Sweatman e-mail to Badalamenti with attached e-mail string	HAL_0608121 to HAL_0608125
4331	7-21-10 Gisclair e-mail to Bement and Roth	HAL_1125782
4332	8-6-10 Roth e-mail to Edwards, Roth attached e-mail string	HAL_0608164 to HAL_0608166
4333	11-20-10 Badalamenti e-mail to Roth with attached e-mail string	HAL_0608455 to HAL_0608458
4334	Transcription of Audio Recording of National Academy of Engineering National Research Council, 9-26-10	

Documents, Data and Information Considered

Exhibit No.	Description	Bates Number
4335	8-24-10 Turton e-mail to Roth with attached e-mail string	HAL_1126150 to HAL_1126156
4336	6-25-10 Roth e-mail to Badalamenti with attachment	HAL_0606423 to HAL_0606437
4337	5-19-10 Roth e-mail to Garcia, et al., with attached e-mail string	HAL_0606631 to HAL_0606632
4338	5-19-10 Roth e-mail to Probert with attached e-mail string	HAL_0606633 to HAL_0606638
4339	3-12-10 Bierhaus e-mail to Turton with attached e-mail string	HAL_1070688 to HAL_1070691
4340	5-21-10 Gagliano e-mail to Roth	HAL_0080736
4341	4-21-10 Gagliano e-mail to Roth with attached e-mail string	HAL_0028324 to HAL_0028338
4342	5-18-10 Roth e-mail to Roth with attached e-mail string	HAL_0606271 to HAL_0606328
4343	7-21-10 Roth e-mail to Turton with attachment	HAL_1071218 to HAL_1071227
4344	8-13-10 Probert e-mail to Roth with attached e-mail string	HAL_1056592 to HAL_1056698
4345	9-8-10 Edwards e-mail to Mann, Roth	HAL_1056695 to HAL_1056698
4346	10-4-10 Quirk e-mail to Roth with attachment	HAL_0502370 to HAL_0502402
4347	Halliburton Global Laboratory Best Practices	HAL_0675798 to HAL_0678468
4348	Halliburton Cementing Technology Manual	HAL_1124190 to HAL_1124474
4349	Cementing Technology Manual	HAL_1124190 and HAL_1124483
4350	Cementing Technology Manual, SCR-100	HAL_1124356 and HAL_1124547
4351	Base Slurry Design and Testing	HAL_0677645 and HAL_0677417
4352	7-25-10 Roth e-mail to Badalamenti, Turton, with attached e-mail string	HAL_1071448
4353	9-30-10 Copy of Prepared Remarks	HAL_1070904 to HAL_1070906
4354	Contract for Gulf of Mexico Strategic Performance Unit Offshore Well Services	BP-HZN-2179MDL00335300 to BP-HZN-2179MDL00335399
4355	9 7/8" X 7" Production Casing	HAL_0512446 to HAL_0512494
4356	6-14-10 Roth e-mail to Shuman, with attached e-mail string	HAL_1125448 to HAL_1125449
4357	Native Only document with Attachment, Observations	HAL_1126190
4358	Native Only document, with Attachment, Halliburton Cementing Corporate Review	HAL_1126187
4359	Native Only document with Attachment, Halliburton Cementing Corporate Review	HAL_1126188
4360	5-17-10 Roth e-mail to Edwards, with attached e-mail string	HAL_1125420 to HAL_1125422
4367	Interviewing Form, Interviewee Name: Paul Meinhart, marked as Confidential	TRN-INV-00003298 - 03305
4368	Transocean Personnel On-Board dated March 8, 2010, marked as Confidential	BP-HZN-2179MDL01276044 - 76051

Documents, Data and Information Considered

Exhibit No.	Description	Bates Number
4369	Schematic of second deck, marked as Confidential	TRN-MDL-00060157
4370	U.S. Coast Guard Witness/Investigator Statement Form, marked as Confidential	TRN-MDL-00120330 - 20331
4371	Jan 16 and 22, 2010 E-mail string from DWH MotorOper to Matts Andersson, from Matts Andersson to DWH, MotorOper; DWH, MaintSup, Subject: Class Schedule, marked as Confidential	TRN-MDL-01832367 - 32368
4372	Statement of Douglas Harold Brown, Chief Mechanic/Acting Second Engineer of the Deepwater Horizon on Legal Liability Issues Surrounding the Gulf Coast Oil Disaster before the House Judiciary Committee dated May 27, 2010, marked as Confidential	TRN-MDL-01160814 - 60818
4373	Rough draft of sworn statement of Paul James Meinhart, III, dated April 21, 2010, marked as Confidential	TRN-MDL-00106187 - 06235
4374	Sept 17, 2009 E-mail from Kevan Davies to John Guide, Brett Coteles, Subject: Deepwater Horizon Rig Audit, marked as Confidential	BP-HZN-BLY00362076 - 62078
4380	March 25 2010 E-mail from Joseph Keith to FGOMSDLRigRep, Earl Fly, Danny Nicolini, Kurt Kronenberger, Bruce Burt, Jose Ortiz, James Rosthorn, Johnny Young, Subject: Am rpt dwh mar25, attaching MC252001 STOOBPOO Earl Fly 052 spreadsheet, marked CONFIDENTIAL	HAL_1132484
4381	Series of SDL Reports beginning February 3, 2010, ending April 23, 2010, marked as CONFIDENTIAL	
4382	Collection of Halliburton Morning Reporting for Operations beginning 03/05/2010, ending 4/30/2010, marked CONFIDENTIAL	
4383	April 6, 2010 E-mail string among Earl Fly, Randy Hopper, Danny Nicolini, James Rosthorn, Kurt Kronenberger, Andy Graves, Zena Miller, others, Subject: OTC Daily update, marked as CONFIDENTIAL	HAL_1133037
4384	April 18-19, 2010 E-mail string among Kurt Kronenberger, Richard Sylvester, Thien Tang, Davie LaSalle, Kelly Gray, Earl Fly, Subject: Computer Swap-out, marked CONFIDENTIAL	HAL_1133376

Documents, Data and Information Considered

Exhibit No.	Description	Bates Number
4385	April 3-4, 2010 E-mail string among Kurt Kronenberger, FGOMSTECH, Danny Nicolini, James Rosthorn, Bruce Burt, Early Fly, Berry Riley, Subject: Parts forgotten by a truck driver are brought back. Mostly PC's with red tape from the Horizon, marked CONFIDE	HAL_1132662
4386	April 5, 2010 E-mail from Kurt Kronenberger to Randy Hopper, Subject: Weekend issues, marked as CONFIDENTIAL	HAL_1132481
4387	February 17, 2010 E-mail from Beau Orton to Danny Nicolini, Subject: Resignation, marked CONFIDENTIAL	HAL_1133373
4388	March 18, 2010 E-mail string among Kurt Kronenberger, Bruce Burt, Angie Laneaux, Adam Melancon, Aldren Mayea, Anthony Fritton, others, Subject: SDL, attaching Job Activity SDL, Forecast Tool Text SDL, Morning Reporting for Operations SDL, marked as CONFID	HAL_1133285 - 1133289
4389	March 8-9, 2010 E-mail string between Kurt Kronenberger, Bruce Burt, Subject: Stand Down Checklist attaching Stand Down Checklist, marked CONFIDENTIAL	HAL_1134134 - HAL_1134135
4390	September 14, 2010 E-mail from William Standifird to Robert Moran, Jeff Miller, Duncan Junor, Subject: Rebound, marked as CONFIDENTIAL; 8 pages	HAL_1131586 - 1131588
4391	March 3, 2011 E-mail from James Neimann to Kurt Kronenberger, Subject: Sperry SWA observation, marked CONFIDENTIAL	HAL_1132980 - 1132982
4392	June 30, 2011 E-mail string among Avinash Saisbhan, Kurt Kronenberger, Moustafa Abdel Aziz Meshref, Frank Matute, Shivanand Pancham, others, Subject: Halliburton Logs, marked HIGHLY CONFIDENTIAL	HAL_1131610 - 1131612
4393	February 19, 2010 E-mail from Kelly Gray to Earl Fly, Kurt Kronenberger, Bruce Burt, Subject: Need confirmation on trainees, marked as CONFIDENTIAL	HAL_1133104
4394	March 24-26, 2010 E-mail string among Bruce Burt, Danny Nicolini, Earl Fly, Kurt Kronenberger, James Rosthorn, Kim Edwards, Subject: Topics for discussion w/Mary Taylor, marked CONFIDENTIAL	HAL_1133066 - 1133067
4395	April 11, 2010 E-mail from Jonathan Bellow to Joseph Keith, Kelly Gray, Subject: Help needed, marked Confidential Treatment Requested by BP p.l.c.	BP-HZN-DHTF00310245

Documents, Data and Information Considered

Exhibit No.	Description	Bates Number
4422	E-mail from Curtis Jackson to jacksonamoco@worldnet.alt.net, dated April 27, 1999	BP-HZN-2179MDL03097389; BP-HZN-2179MDL03097411 - BP-HZN-2179MDL03097431
4423	E-mail Michael Byrd to Curtis Jackson and others, dated November 14, 2001	BP-HZN-2179MDL03106206 - BP-HZN-2179MDL03106207
4424	E-mail from John Landreth to Karlin Costa, dated January 13, 2004	BP-HZN-2179MDL03104128
4425	E-mail from Jeff Hohle to Curtis Jackson, dated September 20, 2010	BP-HZN-2179MDL03106407
4426	HSSE 2010 (5Q) Plan (Draft)	
4427	E-mail from Keisha Tanner to Thomas Gray and others, dated March 21, 2007	BP-HZN-2179MDL03096599 - BP-HZN-2179MDL03096601
4428	E-mail from Thomas Gray to Keisha Tanner and others, dated March 2, 2007	BP-HZN-2179MDL03098376; BP-HZN-2179MDL03098378 - BP-HZN-2179MDL03098383
4429	Résumé of Curtis Jackson	BP-HZN-2179MDL03113846 - BP-HZN-2179MDL03113848
4430	E-mail from Curtis Jackson to Cindi Skelton with attachments, dated December 9, 2009	BP-HZN-2179MDL01550460 - BP-HZN-2179MDL01550471;
4431	Employment Termination Agreement	BP-HZN-2179MDL03021149 - BP-HZN-2179MDL03021152
4432	E-mail from Steve Robinson to Martin Ward and others, dated July 19, 2004	BP-HZN-2179MDL03107285
4433	E-mail from Chris Young to Curtis Jackson, dated September 1, 2004	BP-HZN-2179MDL03101740 - BP-HZN-2179MDL03101743
4434	E-mail from John Keeton to Steve Woelfel, dated September 14, 2004	TRN-MDL-01531211
4435	E-mail from Deepwater Horizon Foremen to driller@dwh.rig.deepwater.com and others, dated January 10, 2005	TRN-MDL-0019247 - TRN-MDL-0019248; TRN-MDL-0019251 - TRN-MDL-0019252
4436	E-mail from Thomas Gray to Keisha Tanner and others, dated March 2, 2007	BP-HZN-2179MDL03098376; BP-HZN-2179MDL03098384 - BP-HZN-2179MDL03098409
4437	GoM HSSE Safe Practices Manual 2008	BP-HZN-2179MDL00132563 - BP-HZN-2179MDL00132809
4438	E-mail from Steven Ruehle to Neil Cramond and others, dated February 8, 2010	BP-HZN-2179MDL01090374 - BP-HZN-2179MDL01090381
4439	HSSE Excellence: The BP Way	BP-HZN-2179MDL03105996 - BP-HZN-2179MDL03106001
4440	E-mail from Ian Little to Jake Skelton and others, dated March 13, 2009	BP-HZN-2179MDL00349063 - BP-HZN-2179MDL00349095

Documents, Data and Information Considered

Exhibit No.	Description	Bates Number
4441	OMS - Group Defined Operating Practice	BP-HZN-2179MDL03100043 - BP-HZN-2179MDL031000063
4442	E-mail from Alfred Apodaca to Angelo Accardo and others, dated August 12, 2008	BP-HZN-2179MDL02051487 - BP-HZN-2179MDL02051506
4443	E-mail from Kevin Lacy to Neil Shaw and others, dated January 22, 2008	BP-HZN-2179MDL00104192 - BP-HZN-2179MDL00104193
4444	E-mail from Barbara Yilmaz to Neil Shaw and others, dated January 22, 2008	BP-HZN-CEC055706 - BP-HZN-CEC055707
4445	E-mail from Jake Skelton to Scott Ballard and others, dated September 8, 2009	BP-HZN-2179MDL01268072 - BP-HZN-2179MDL01268077
4446	A. Inglis/M. Bly Review	BP-HZN-2179MDL00100346 - BP-HZN-2179MDL00100368
4551	U.S. Coast Guard Statement of Dustin Johnson	TRN-INV-00910140
4552	Days onboard details report from 30 Jan. 2010 - 23 Apr. 2010	
4553	Schematic	TRN-MDL-00233444
4554	Schematic	TRN-MDL-00233446
4555	Personal Training for Dustin Johnson	TRN-MDL-00036519
4556	OJT Completion Notification Form	TOp 00012718
4557	E-mail string among DWH, RSTC (Deepwater Horizon) and Maria Olazaran	TRN-MDL 01544941 - 43
4558	Confidential Interviewing Form, Interviewee: Heber Morales	TRN-INV 00003413 - 17
4600	Certificate Veritas for David M. Hackney	BP-HZN-2179MDL01248950
4601	Transocean Training History List Profile	TRN-INV-00710576 through TRN-INV-00710578
4602	Transocean Master Job Description	BP-HZN-MBI00021445 through BP-HZN-MBI00021446
4603	Transocean Deepwater Horizon Station Bill	TRN-MDL-00527083
4604	Drillship Organization Chart	TRN-MDL-01608127
4605	Command Group Bridge Slide	TRN-MDL-01618104
4606	Interview Form for David Hackney	TRN-INV-00001748 through TRN-INV-00001766
4607	Deepwater DP Management DP Familiarisation Course Notes	TRN-MDL-01604104 through TRN-MDL-01604134
4608	Email from Robert Tiano to DWH ElectSup and DWHSUBSeaSup dated 2/24/2010, Subject: FRC Recommendations	TRN-INV-00467935 through TRN-INV-00467937
4609	Deepwater Horizon Follow Up Rig Audit, Marine Assurance Audit and Out of Service Period September 2009	BP-HZN-IIT0008871 through BP-HZN-IIT0008930

Documents, Data and Information Considered

Exhibit No.	Description	Bates Number
4610	Email from John Guide to Ian Little and Keith Daigle dated 4/13/2009, Subject: Scan (w/attachments of Change Proposal dated 4/12/09	BP-HZN-2179MDL00359931 through BP-HZN-2179MDL00359939
4611	Interview Notes of Jay Hunter Odenwald dated 6/14/2010	TRN-INV-00003633 through TRN-INV-00003653
4612	Email from James Kent to DWH, SubSeaSup and DWH, MaintSup dated 02/20/2010, Subject: Tracking	TRN-MDL-01650615 through TRN-MDL-01650616
4613	Technical Information Bulletin for Instructions for Rebuilding Cameron Controls Solenoid Valve, dated 9/9/2002	TRN-MDL-01645048 through TRN-MDL-01645054
4614	Daily Report Sheet dated 05/05/2010	TRN-MDL-00494706 through TRN-MDL-00494726
4615	Email from Ricky H. Dendy to Jonathan Bellow, Michael Benton, James Brewton, et al dated 7/29/2009, Subject: 5 Day Rig Planner - Tiber	TRN-INV-00626502
4616	POB Summary dated 3/27/2009	TRN-MDL-00820644 through TRN-MDL-00820648
4617	RMS 2 equipment history, equipment BOP control pod tag WCS BOPP003 dated 5/20/2010	TRN-INV-00034309 through TRN-INV-00034380
4618	Arrivals and Departures Report on 4/20/2010	TRN-MDL-01851747 through TRN-MDL-01851748
4619	Continuation of Interview Notes of Jay Odenwald dated 6/14/2010	TRN-INV-00003633 through TRN-INV-00003653
4722	MMS District Program, Overview of Components, Inspector Workload and Engineering Workload by District, April**, 2010, Michael Saucier Regional Supervisor, Field Operations	IMS172-030385 - 30394
4723	United States Department of the Interior Minerals Management Service NTL No. 2010-N06 Effective Date: June 1, 2010	IMS172-038169 - 38174
4724	Discussion of challenges for 24/7 inspection coverage for GOMR and possible alternative methods for achieving increased MMS inspection presence	IMS172-012079 - 12083
4725	Question and Answer excerpt	IMS172-005394 - 05395
4726	Department of the Interior Tasking Profile	IMS172-015132 - 15135
4727	Deepwater Horizon Response Unified Area Command Daily Report	IMS172-015915 - 15936
4728	"Destroyed IKE Platforms"	IMS182-000001 - 00090
4729	Graph	BP-HZN-2179MDL03138015
4730	Spreadsheet	BP-HZN-2179MDL03138943
4731	E-mail dated April 21, 2006 Trocquet to Woltman and others	IMS026-010823 - 10825

Documents, Data and Information Considered

Exhibit No.	Description	Bates Number
4732	Calendar	IMS059-000399 - 00401
4733	E-mail dated February 12, 2008 Saucier to Douglas and others	IMS056-000104
4734	E-mail dated February 7, 2008 Jordan to Little and others	BP-HZN-2179MDL03199425
4735	E-mail dated February 7, 2008 Douglas to G NA EXPL HSE REG NET	BP-HZN-2179MDL03199423 - 99424
4736	E-mail dated February 11, 2008 Wilson to Hafle and others	BP-HZN-2179MDL00091810 - 91827
4737	Westlaw 30 CFR 250.427 Effective August 14, 2006	
4738	E-mail dated August 22, 2010 Saucier to Rodi and others	IMS172-051743 - 51745
4739	2009 District SAFE Awards Gulf of Mexico Region	IMS063-004475 - 04486
4740	E-mail dated April 5, 2010 Grant to Todd and others	BP-HZN-2179MDL00302808 - 02810
4741	E-mail dated March 19, 2010 Herbst to Grant and others	BP-HZN-2179MDL00290025 - 90026
4742	Westlaw 30 CFR 250.400	
4743	Appendix O. Industry Comparison Data on Long String Casing and Casing Liners in the Macondo Well Area	BP-HZN-BLY00000371 - 00372
4744	E-mail dated June 6, 2008 Levine to Fontenot and others	IMS023-041850 - 41851
4745	U.S. Department of the Interior, Mineral Management Service FOR MMS USE ONLY-Test A-Key Drilling	IIG013-001437 - 01443
4746	Safety Drill Report - Complete	TRN-INV-00018273 - 18314
4747	Macondo, Containment and Disposal Project for MC252-1	BP-HZN-2179MDL01522652 - 22686
4748	Westlaw 30 CFR 250.440	
4749	Handwritten Notes	
4750	Westlaw 30 CFR 250.427	
4751	Application for Permit to Drill a New Well	BP-HZN-CEC008683 - 08711
4752	Application for Revised Bypass	BP-HZN-2179MDL00001748 - 01763
4753	Application for Revised Bypass	BP-HZN-2179MDL00096724 - 96731
4754	Application for Revised Bypass	BP-HZN-2179MDL00155415 - 55424
4755	E-mail dated May 17, 2010 Dessauer to Patton and others	IMS019-021282 - 21286
4756	E-mail dated May 18, 2010 Trocquet to Saucier	IMS172-005700 - 05704
4757	E-mail dated October 27, 2009 Fleece to Shaughnessy	BP-HZN-2179MDL03065183 - 65185
4758	E-mail dated April 16, 2010 Morel to Kaluza and others	BP-HZN-MBI 00127906
4759	E-mail dated December 9, 2009 Trocquet to Carter and others	IMS019-012226

Documents, Data and Information Considered

Exhibit No.	Description	Bates Number
4760	E-mail dated September 29, 2010 McLean to Saucier	IMS176-077756 - 77757
4761	MMS Requirements Overview Wellsite Leaders, Scherie Douglas, August, 2009	BP-HZN-2179MDL01339703 - 38750
4762	Regulatory Meeting/Trip Report	BP-HZN-2179MDL01278944
4763	List of Questions	IMS173-000459 - 00461
4764	BOEMRE Discussion Topics Thursday, October 14, 2010	IMS173-001930 - 01932
4765	MMS Requirements Overview Wellsite Leaders, Scherie Douglas, August, 2009	BP-HZN-2179MDL01928130 - 28177
4766	FormMMS-133 Electronic Version	BP-HZN-BLY00046221 - 46223
4767	E-mail dated May 7, 2010 Rodi to Saucier and others	IMS050-020606 - 20607
4768	E-mail dated July 15, 2010 Herbst to LaBelle and others	IMS172-052222
4769	E-mail dated June 21, 2010 Miller to Saucier and others	IMS172-012501
4770	E-mail dated May 16, 2010 Trosclair to Saucier	IMS047-000001 - 00012
4771	E-mail dated July 22, 2010 Flynn to G Safety & Operations HSSE LT and others	BP-HZN-BLY00158150 - 58159
4772	Website Article - "MMS Scrubs Safety Nod for BP from Website"	
5100	Transocean DWH Investigation	TRN-INV-01029962 - 963
5101	Transocean DWH Investigation	TRN-INV-01028925
5102	Spreadsheet entitled Sub-Sea Work List MACONDO	
5103	DWH Horizon Investigation Team Members Distribution List	TRN-INV-03349977
5104	E-mail string among James Kent and Robert Tiano, et al.	TRN-INV-03387478 - 79
5105	DEEPWATER HORIZON DWH Technical Group Summary Report	TRN-INV-03387879 - 80
5106	Deepwater Horizon Transocean Internal Incident Investigation	TRN-INV-03353731 - 739
5107	02/16/10 E-mail from Michael Fry to DWH, Subseasup (Deepwater Horizon)	TRN-MDL-02198439
5108	Original Equipment Manufacturer/Technical Bulletin Approval Form	TRN-MDL-02198440 - 442
5109	Document entitled Lithium-MnO2 Type M 20	TRN-INV-03350782 - 83
5110	Appendix N of Investigation Report	
5111	Excerpt from a document entitled Construction Specifications RBS8D Semi-Submersible Drilling Vessel, Section 15.2.2, Standby Generators	TRN-INV-03307950 - 51
5112	PowerPoint entitled "Drillers Control Panel"	TRN-INV-03305248 - 5254
5113	Document entitled RMS - Gas Detection	TRN-INV-03355047 - 55

Documents, Data and Information Considered

Exhibit No.	Description	Bates Number
5114	Routine Work Order, 31 December '04, Transocean	TRN-INV-03381881
5115	Transocean change proposal No. SS-016 of 3/9/2006	TRN-INV-03329097 - 103
5116	E-mail string among James Kent and Robert Tiano, et al.	TRN-INV-02509273 - 9275
5117	Dynamically Positioned - Marine Integrity Review, DEEPWATER HORIZON, March 3, 2010, to March 8, 2010	TRN-MDL-01890260 - 293
5118	Portion of Excel Maintenance Log Spreadsheet	
5119	E-mail string among Jared Tillman, Dan Munoz, et al.	TRN-INV-03387497 - 500
5120	Computer Screen Shot of Schematic	TRN-INV-03387501
5121	Checklist for Fassmer Lifeboats to be Executed by the Ship's Crew	TRN-INV-03349826 - 831
5122	Document entitled 1.1.2 - Chain of Command	TRN-MDL-02247539 - 44
5123	Robert Tiano Flow Line Test	TRN-INV-00781189 - 91
5124	NAUTILUS Return Flow Testing - Draft	TRN-INV-03305281 - 5282
5125	E-mail string among Bob Walsh and Wesley Bell, et al.	TRN-INV-02514877 - 4881
5126	01/07/09 E-mail string from Maintenance on DWH to James Kent	TRN-INV-00211136
5127	10/21/10 E-mail string from Robert Tiano to Bill Ambrose and Bob Walsh	TRN-INV-02536216
5128	BP Spreadsheet regarding Mud Weights and Calculations	TRN-INV-02536217 - 6229
5129	E-mail between DWH Investigation and Perrin Roller	TRN-INV-01826940
5130	Spreadsheet of work orders regarding Cameron's work on various BOP components	TRN-INV-02677576 - 7611
5131	Cameron TL RAM Maintenance	TRN-INV-03350031 - 53
5132	E-mail string among Robert Tiano and Harshil Patil, et al.	TRN-INV-03354447
5133	E-mail between DWH Investigation and Perrin Roller	TRN-INV-01827129
5134	E-mail string among Ryan Courville and Robert Tiano, et al.	TRN-INV-03350768
5135	HADCO Inspection Report Liquid Pentrant Testing	TRN-INV-03350769 - 772
5136	E-mail string among James Kent and Buddy Trahan, et al.	TRN-MDL-00965751 - 5753
5137	E-mail string among James Kent and DWH, SubSeaSup, et al.	TRN-MDL-00303072
5138	04/26 E-mail among Michael Fry and Geoff Boughton, et al., with attachment subsea workbook (4)	TRN-INV-01270976
5300	Notice of Deposition	
5301	Lloyd's Standard Form of Salvage Agreement for SMIT Salvage Americas, Inc., of DEEPWATER HORIZON	SMIT_00288 - 290

Documents, Data and Information Considered

Exhibit No.	Description	Bates Number
5302	E-mail string among Doug Martin and Ray Lord, et al.	SMIT_00306
5303	E-mail string among Doug Martin and Ray Lord, et al.	SMIT_00442 - 457
5304	E-mail string between Doug Martin and Bob McKechnie	SMIT_00384 to 385
5305	E-mail between Doug Martin and Bob McKechnie	SMIT_427 - 441
5306	Meeting Minutes from 9-10-2010 regarding approach to Understand the DWH's Sinking	TRN-INV-01666087
5307	Preliminary Salvage Plan	SMIT_00520 - 532
5308	SMIT Salvage Daily Progress Report	SMIT_00497 - 500
5309	SMIT Salvage Daily Progress Report	SMIT_00501 - 504
5310	E-mail string among Rick Rogers, Eddy Redd, et al.	TRN-INV-01800329 - 335
5311	E-mail string among Doug Martin and Bob McKechnie, et al.	SMIT_00312 - 22
5312	E-mail string among Doug Martin and Lieutenant Dudek of the United States Coast Guard, et al.	SMIT_11442 - 457
5313	U.S. Coast Guard Witness Statement	
5314	Photo of DEEPWATER HORIZON derrick on fire	
5315	Photo of fire	SMIT_00007
5316	Photo of fire	
5317	Rig Schematic	TRN-INV-00008291
5318	Chart with pictorial documentation	SMIT_00508 - 513
5319	Picture of burning DEEPWATER HORIZON	SMIT_00076
5320	Picture of burning DEEPWATER HORIZON	SMIT_00062
5321	Picture of burning DEEPWATER HORIZON	SMIT_00063
5322	Picture of burning DEEPWATER HORIZON	SMIT_00064
5323	Photo of fire	
5324	Notification of Interest Well Control	BP-HZN-2179MDL00954435 - 4461
5325	05/06/10 Letter from Douglas Martin to Robert McKechnie	BP-HZN-2179MDL00954433 - 4434
6041	Collection of documents beginning with May 2010 E-mail string among Steve Robinson, Gillian Cowlam, Dave Wall, Kent Corser, others, Subjects: Interview notes D Simms #2, Dave W Interviews, notes from phone interview, handwritten notes by Ms. Cowlam, other	
6042	Handwritten notes by Ms. Cowlam from telephone call with David Sims, marked CONFIDENTIAL;	BP-HZN-BLY00061719
6043	May 2, 2010 E-mail string among Wendy Goodman, James Lucari, Michael Deneker, Gillian Cowlam, Dave Wall, Subject: Requests for next wave of interviews, attaching Hazard Analysis Team Interviewee Request, marked as CONFIDENTIAL;	BP-HZN-BLY00103007-103009

Documents, Data and Information Considered

Exhibit No.	Description	Bates Number
6044	May 4, 2010 E-mail string among Dave Wall, Gillian Cowlam, Samuel DeFranco, Tony Brock, Kent Corser, others, Subject: Dave W interviews, attachment, marked as CONFIDENTIAL;22 , nine pages with no Bates numbers	BP-HZN-BLY00206981-206982
6045	May 5, 6, 2010 E-mail string among Dave Wall, Kent Corser, Steve Robinson, Tony Brock, others, Subject: Dave W Interviews, attachment, marked as CONFIDENTIAL; nine pages with no Bates numbers	BP-HZN-BLY00168319-168320
6046	Copy of presentation, Washington Briefing, Deepwater Horizon Incident Investigation, 24 May 2010, marked as CONFIDENTIAL;	BP-HZN-BLY00102884-102893
6047	April 26, 2010 E-mail string among Dave Wall, Gordon Birrell, G EPT O&HSE Leadership, Subject: Update, marked as CONFIDENTIAL	BP-HZN-BLY00306275
6048	Spreadsheet labeled Hazard Assessment Team; one page	
6049	May 21, 2010 E-mail from Dave Wall to Tony Brock, Subject: Hazard Analysis Team, marked CONFIDENTIAL;	BP-HZN-BLY00210863
6050	Draft of Hazard Analysis Team Member Roles and Responsibilities, April 27, 2010, marked CONFIDENTIAL	BP-HZN-BLY00316152-316153
6051	Metadata spreadsheet; one page	
6052	Metadata spreadsheet; one page	
6053	May 6, 2010 E-mail from Gillian Cowlam to Kent Corser, Steve Robinson, Tony Brock, others, Subject: 6 May 2010 Executive Summary for Hazard Analysis Team, marked as CONFIDENTIAL;	BP-HZN-BLY00105525
6054	Executive Summary of Hazard Analysis Team Progress, 6 May 2010; marked as CONFIDENTIAL;	BP-HZN-BLY00105526
6082	January 15, 2007 E-mail from Harry Thierens to David Sims, Kim Sachan, Subject: Rig visits for management, marked as CONFIDENTIAL;	BP-HZN-MBI 00032331
6083	June 2007 E-mail string among Harry Thierens, Jay Thorseth, Davis Sims, Ian Little, Dan Replogle, Curtis Jackson, others, Subject: Thunder Horse Safety Pulse Check, marked as CONFIDENTIAL;	BP-HZN-MBI 00036612, 36730 - 36732

Documents, Data and Information Considered

Exhibit No.	Description	Bates Number
6084	December 21, 2007 E-mail string among Paul McIntyre, Richard Morrison, Dan Replogle, Simon Todd, others, Subject: Urgent: GoM Safety Stand Down, attaching Leadership Strategies for Safety Improvement, by Thomas R. Krause, marked Highly Confidential	BP-HZN-CEC055376 - 55417
6085	February 2, 2008 E-mail from Neil Shaw to Fergus Addison, Jeff Childs, Stan Garner, others, Subject: GOM Safety performance, 2007 GOM Safety Performance, marked Highly Confidential	BP-HZN-CEC056149 - 56152
6086	June 18, 2009 E-mail from Kal Jassal to Harry Thierens, Subject: Attachments, attaching Gulf of Mexico SPU, GoM D&C Risk Management, Assessment, Recommendations and Implementation Plan, marked CONFIDENTIAL	BP-HZN-2179MDL01793819 - 1793840
6087	BP Gulf of Mexico SPU, GoM Developments BU, White Paper on D&C Organizational Model, marked as CONFIDENTIAL;	BP-HZN-2179MDL00638722 - 638738
6088	December 15, 16, 2008 E-mail string among Ian Little, Harry Thierens, Jonathan Sprague, others, Subject: Risk, attaching presentation, Gulf of Mexico E&A Drilling, 2009 Plan Risks, December 16, 2008, first page marked CONFIDENTIAL	BP-HZN-2179MDL01843947
6089	BP Gulf of Mexico SPU, Drilling & Completions, Recommended Practice for Risk Management, Implementation Draft, marked as CONFIDENTIAL;	BP-HZN-2179MDL00332270 - 332328
6090	October 1, 6, 2009 E-mails among Kevin Lacy, Harry Thierens, Steve Tink, Ian Little, Andrew Frazelle, Charles Holt, others, Subjects: Safety Leadership, WSL Teleconference - Safety Leadership and Town Hall Results, attaching copies of slide presentation,	BP-HZN-2179MDL01808592, 1808592, 1808593
6091	March 9, 10, 2010 E-mail string among David Rich, Harry Thierens, tandsdrillingandcompletions@bo.com, G NAX Horizon DDR, Subject: Auto Generated Report from Openwells - OCS-G32306 MC252 #1 - SP Daily Operations-Partners Report - Report Number 107 - 3/8/2	BP-HZN-2179MDL00022318 - 22324
6092	Dispensation from Drilling and Well Operations Policy document, marked as CONFIDENTIAL	BP-HZN-2179MDL00252257 - 25240
6093	Document 4 - July 19, 2004 E-mail string among Curtis Jackson, Steve Robinson, Martin Ward, Subject: Dispensation on BOP Stack; two pages	

Documents, Data and Information Considered

Exhibit No.	Description	Bates Number
6094	Stones WR 508 #1 Technical File note, Test Ram Conversion, 4-Aug-04, Marty Ward, related documents marked as CONFIDENTIAL, various Bates numbers; 15 pages	
6095	BP ICS-214 Responder Logbook, Incident/Drill Name: MC252, Date: 22/4, Position: H. Thierens, marked as Confidential	BP-HZN-MBI00137274 - 137304
6096	BP ICS-214 Responder Logbook, Incident/Drill Name: Thierens, Date: 28/4/10, Position: VP, marked as Confidential	BP-HZN-MBI00171039 - 171063
6097	BP ICS-214 Responder Logbook, Incident/ Drill Name: Thierens, MC252, Date: 28/4/10, marked as Confidential	BP-HZN-MBI00171007 - 171038
6098	Mr. Thierens' handwritten notes for transponder work, April-May-July 2010, marked CONFIDENTIAL	BP-HZN-2170MDL001819480 - 1819529
6099	ICS-214 BP Responder Logbook, Incident/Drill Name: MC252, Date: 22/4, Position: H. Thiersens;	BP-HZN-MBI00137274 - 137304
6100	Handwritten notes of a 5/24/2010 telephone discussion among Harry Thierens, James Dupree, Jack Lynch, Tony Brock, Mark Bly, Barbara Yilmaz, and James from Legal, marked "CONFIDENTIAL	BP-HZN-BLY0006149 - 0006173
6101	BP Group Recommended Practice Selection of Hazard Evaluation & Risk Assessment Techniques GRP 3.1-0001, Issue Date July 7, 2008, marked "CONFIDENTIAL	BP-HZN-2179MDL01334589 - 01334661
6102	May 22, 2009 E-mail from Kal Jassal to Harry H. Thierens, Subject: Risk Management Documents, with Attachments, marked "CONFIDENTIAL,"	BP-HZN-2170MDL01848444 - 1848498
6103	"DRILLING CONTRACTOR" publication, September/October 2007, Pg. 178 "PERSPECTIVES: Kevin Lacy, BP head of discipline, drilling and completions: Building a global career around a global business," by Linda Hsieh, associate editor, one page	
6104	The Center for Public Integrity i watch news, Investigation, Impact, Integrity, "Renegade Refiner: OSHA says BP has 'systemic safety problem' 97% of Worst Industry Violations Found at BP Refineries," By Jim Morris and M.P. Pell 4:00 am, May 17, 2010, 4 p	
6105	September 23, 2009 BP GoM SPU Town Hall presentation, marked "CONFIDENTIAL," BP-HZN-2179MDL00578...(end of Bates numbers cut off by copier)...00578104, 11 pages	BP-HZN-2179MDL00578102 - BP-HZN-2179MDL578104

Documents, Data and Information Considered

Exhibit No.	Description	Bates Number
6106	8/5/2009 18:12:25 E-mail from Jonathan D. Sprague to Harry H. Thierens, Subject: 2009 Drilling performance.ppt, Attachments: 2009 Drilling performance.ppt, marked "CONFIDENTIAL,"	BP-HZN-2179MDL01843882-884, plus Page 1 - 2
6107	8/5/2009 11:27:59 E-mail from Jonathan D. Sprague to Harry H. Thierens, Subject: 2009 Drilling performance.ppt, Attachments: 2009 Drilling performance.ppt, marked "CONFIDENTIAL,"	BP-HZN-2179MDL-1861864-1876
6108	BP Drilling Excellence Plan presentation, marked "CONFIDENTIAL,"	BP-HZN-2179MDL00639545-639570
6109	4/24/2010 E-mail from Michael J. Ward to Harry H. Thierens, Subject: Incident Report NI - 4x, Attachments: Incident Cover.doc; Incident Report hs.doc, GEOGE NORTH IDKU 4X(Jh 51-1) INCIDENT REPORT - WELL BLOW-OUT - Rig: Atwood Southern Cross, Date of Inc	BP-HZN-2179MDL01844767 - 1844788
6110	4/25/2010 E-mail from Kurt Mix to Harry H. Thierens, Subject: Macondo_BOP_Shutin-Broach_Modeling 01.ppt Attachments: Macondo_BOP_Shutin-Broach_Modeling 01.ppt, marked "CONFIDENTIAL,"	BP-HZN-2179MDL000443037- 443039, plus two pages
6111	4/27/2010 E-mail from Bob Franklin to James S. Wellings, et al., Subject: RE: WWCI Project Memo-13 Capping Options Rev2, Attachments: Capping Stack Team.ppt, PowerPoint Presentation "Well Capping Team," 27 April 2010 Rev 1, marked "CONFIDENTIAL"	BP-HZN-2179MDL01513949
6112	Macondo Ops 5/7/10 Daily Scheduling Report	BP-HZN-2179MDL-1934703
6113	9/1/2010 BP Report: Deepwater Horizon Containment and Response: Harnessing Capabilities and Lessons Learned," 78 pages	
6114	BP Risk Management Risk Management Plans, Hugh Williamson, UTG Drilling - Sunbury, marked CONFIDENTIAL	BP-HZN-2179MDL01575761 - 157577
6115	BP D&C HSSE Organization Change - August 09', marked CONFIDENTIAL	BP-HZN-2179MDL00306832 - 306837
6116	BP GoM HSSE Performance Status Report, March 2008, marked as CONFIDENTIAL	BP-HZN-2179MDL01843885 - 1843894
6117	2 December 2009 Transocean POB Summary for Deepwater Horizon, marked CONFIDENTIAL	TRN-MDL-00776933 - 776937

Documents, Data and Information Considered

Exhibit No.	Description	Bates Number
6118	September 22, 2009 E-mail string among Henry Thierens, John Guide, Ian Little, Marshall Perez, Troy Endicott, Neil Cramond, Subject: DW Horizon Rig Audit Updates and path forward, marked as CONFIDENTIAL	BP-HZN-2179MDL01259176
6119	October 21 2009 E-mail from Angel Rodriguez to John Guide, Brett Cocalles, Ian Little, Murry Sepulvado, DWH Captain, DWH MaintSup, Troy Endicott, Ian Hillier, "oim.dwh," Subject: Results from visit to Deepwater Horizon, marked as CONFIDENTIAL	BN-HZN-2179MDL01114977
6120	October 11, 2004 Transocean letter to BP America Production Company, Randy Rhoads, from Christopher Young, Subject: Letter Agreement for Conversion of VBR to a Test Ram, marked Confidential Treatment Requested by Transocean Holdings LLC	TRN-HCEC-00064131 - 64132
6121	BP Drilling and Well Operations Practice, E&P Defined Operating Practice, marked Confidential	BN-HZN-BLY00034504 - 34604
6122	July 3-4, 2009 E-mail string among Henry Thierens, Andrew Frazelle, Ian Little, Daun Winslow, Charles Holt, John Guide, George Gray, Subject: Transocean Rig Manager Move, marked CONFIDENTIAL	BP-HZN-2179MDL00374168 -374169
6123	Three copies of September 15-16, 2009 E-mail string among David Porter, Harry Thierens, Jonathan Sprague, John Shaughnessy, Subject: LoWC Review with Neil Shaw on 9/25, marked CONFIDENTIAL, BP-HZN-2179MDL00347967, attaching Risk Mitigation Plan, GoM SPU M	BP-HZN-2179MDL00347968 - 347969
6124	BP Deepwater Horizon Review, May 23, 2010, marked HIGHLY CONFIDENTIAL	BP-HZN-2179MDL00993066 - 993082
6125	BP Draft Action Plan, September 22, 2010, marked CONFIDENTIAL	BP-HZN-2179MDL01843900 - 1843911
6126	March 9-10, 2010 E-mail string among David Rich, Harry Thierens, Patrick O'Bryan, Subject Macondo Well, marked CONFIDENTIAL	BP-HZN-2179MDL00034728
6127	April 7, 2008 E-mail string among Harry Thierens, Ian Little, John Guide, Jake Skelton, Davis Sims, Leo Benitez, Hartford Prevett, Subject: Stripping Annular on the Deepwater Horizon, marked as CONFIDENTIAL	BP-HZN-2179MDL01819198 - 1819199

Documents, Data and Information Considered

Exhibit No.	Description	Bates Number
6128	July 17, 2007 E-mail string among Kevin Lacy, Ian Little, David Sims, Kevin Guerre, Michael Leary, Subject: Update on TO performance, marked as CONFIDENTIAL	BP-HZN-2179MDL01808296 -1808297
6129	January 18-22, 2008 E-mail string among, Neil Shaw, Kevin Lacy, Gordon Birrell, Subject: DAWFC on Marianas, marked Highly Confidential	BP-HZN-CEC055704 - 55705
6130	April 3, 2008 E-mail string among Ian Little, James Wellings, Jake Skelton, John Guide, Glenn Nohavitz, Henrik Jan De Jong, Harry Hierens, Andrew Frazelle, Charles Holt, Simon Todd, Robert Sanders, Neil Shaw, Subject: MMS Inc - Blid Shear Ram Test beyond	BO-HZN-2179MDL01273181 - 1273183
6131	March 13-24, 2009 E-mail string among Daun Winslow, Ian Little, Keelan Adamson, Subject: Deepwater Horizon, marked as CONFIDENTIAL	BN-HZN-2179MDL01809955 - 1809956
6132	April 3, 2009 E-mail from Harry Thierens to Ian Little, Andrew Frazelle, Charles Holt, Steve Tink, Subject: Transocean, attaching Written THINK Plan, marked as CONFIDENTIAL	BP-HZN-2179MDL01797035 -1797036
6133	12/15/2009-12/16/2009 E-mail string among Patrick O'Bryan, Doug Suttles, Christina Verchere, Andy Inglis, Harry Thierens, Barbara Yilmaz, David Rich, Subject: Marianas Fall HIPO One Pager, marked "Confidential"	BP-HZN-MBI 0096991 - 96992
6134	BP ICS-214 Responder Logbook Incident/Drill Name: MC252, Date: 22/4, Position: H. Thierens, marked "CONFIDENTIAL	BP-HZN-2179MDL01794646 - 01794782
6135	May 29, 2010 BP presentation title "Top Kill Analysis," marked "CONFIDENTIAL,"	BP-HZN-2179MDL01844005 - 01844016
6136	AGREED 30(b)(6) DEPOSITION NOTICE OF BP DEFENDANTS (WITH 30(b)(5) DOCUMENT REQUESTS)in MDL Case No. 2179, served on All Counsel on March 23, 2011 by Attorneys James Parkerson Roy and Stephen J. Herman, 7 pages	
6137	THE BP PARTIES' RESPONSES AND OBJECTIONS TO PLAINTIFFS' FIFTH SET OF REQUESTS FOR PROJECTION in MDL Case No. 2179, signed by Bill Kirton (BP) and notarized on 3/21/11, 19 pages	
6138	Timeline regarding Specific Events concerning the BOP, August '99 through May 30, 2010, BP-HZN-BLY00087028 "Produced Natively," 8 pages	BP-HZN-BLY0087028

Documents, Data and Information Considered

Exhibit No.	Description	Bates Number
6139	September 17, 2009 E-mail from Kevan Davies to John Guide, Brett Cocalles, Subject: Deepwater Horizon Rig Audit, marked as CONFIDENTIAL, Bates numbers cut off on copy; two pages	
6140	October 6, 2009 E-mail from Norman Wong to Harry Thierens, Jonathan Sprague, Subject: Deepwater Horizon Rig Audit, marked as CONFIDENTIAL, Bates numbers cut off on copy; two pages	
6141	July/September 2010 E-mail string among Norman Wong, Ian Little, John Guide, Troy Endicott, Marshall Perez, Neil Cramond, Subject: Horizon Rig Audit Updates and path forward, marked as CONFIDENTIAL;	BP-HZN-BLY00356689 - 356691
6142	12 July 2010 handwritten notes by Mr. Wong, marked as CONFIDENTIAL	BP-HZN-BLY00360479
6143	October 6-7, 2009 E-mail string among John Guide, Brett Cocalles, Keith Daigle, Ian Little, Harry Thierens, Norman Wong, Jonathan Sprague, Subject: Deepwater Horizon Rig Audit, marked as CONFIDENTIAL	BP-HZN-2179MDL00353304 - 353306
6144	October 6-8 2009 E-mail string among Steve Haden, Norman Wong, Harry Thierens, Jonathan Sprague, Subject: Deepwater Horizon Rig Audio, marked as CONFIDENTIAL	BP-HZN-2179MDL01160382 - 1160384
6145	August 10-17, 2010 E-mail string among Fereidoun Abbassian, Steve Robinson, Dave Wall, Kent Corser, Tony Emmerson, Tony Brock, James Lucari, Mark Bly, David Brookes, Mike Brown, Ross Smith, Roland Goodman, Subject: API RP 53 Revision, marked as HIGHLY CON	BP-HZN-BLY000110239 - 110240
6146	Document titled Date, Location, and Description of Incident Where Blind-Shears Rams Either Helped Control or May Have Helped Control a Blowout, marked as CONFIDENTIAL	BP-HZN-BLY00367682 - 367687
6147	June 13-15, 2010 E-mail string among Fereidoun Abbassian, Norman Wong, Tony Emmerson, Timothy Allen, Ray Fleming, Kevin Szafron, James Wetherbee, Subject: Communication Pack - Revised; marked as CONFIDENTIAL	BP-HZN-BLY00090445 - 90446

Documents, Data and Information Considered

Exhibit No.	Description	Bates Number
6148	September 7-8, 2010 E-mail string among Andrew Garnett, Lorna Carpenter, Fereidoun Abbassian, Ray Fleming, "Ralinen," Lorna Carpenter, Norman Wong, Subject: Marine Audit Findings, marked as CONFIDENTIAL	BP-HZN-BLY00361926 - 361927
6149	April 30, 2010 Safety Alert, Safety Alert on the Deepwater Horizon Explosion and Fire Resulting in Multiple Fatalities and Release of Oil, marked as CONFIDENTIAL	BY-HZN-BLY00367395
6150	April 30, 2010 Safety Alert, Safety Alert on the Deepwater Horizon Explosion and Fire Resulting in Multiple Fatalities and Release of Oil, marked as CONFIDENTIAL	BY-HZN-BLY00367395
6151	BP EGYPT, Exploration PU, HIPO Lessons Learned Report, marked as CONFIDENTIAL	BP-HZN-BLY00367906 - 367907
6152	GSF Constellaion II JU HIPO Investigation Summary, marked as CONFIDENTIAL	BP-HZN-BLY00367905
6153	October 12, 2009 E-mail from Angel Rodriguez to John Guide, Brett Coteles, Ian Little, Murry Sepulvado, DWH Captain, DWH MaintSup, Troy Endicott, Ian Hillier "oim.dwh," Subject: Results from visit to Deepwater Horizon, marked as CONFIDENTIAL	BP-HZN-2179MDL01114977
6154	Marcy 30, 2009 E-mail from Angel Rodriguez to John Guide, Brett Coteles, Deepwater Horizon, Foreman, Earl Lee, Don Vidrine, Troy Endicott, Subject: Deepwater Horizon's Rig Audit close out report status, marked as CONFIDENTIAL	BP-HZN-2179MDL01114980
6155	Binder of handwritten notes by Norman Wong, marked as CONFIDENTIAL	BP-HZN-BLY00360427 - 360485
6156	May 14, 2010 E-mail from Ray Fleming to Norman Wong, Subject: BOP Recommendations, attaching BOP Immediate Recommendations document, marked as CONFIDENTIAL	BP-HZN-BLY00366044 - 366045
6157	May 23, 2010 E-mail from Norman Wong to Fereidoun Abbassian, Subject: Interim Recommendations 14 May, attaching Interim Recommendations 14 May document, marked as CONFIDENTIAL	BP-HZN-BLY00367004 - 367006
6158	May 22, 2010 E-mail from Norman Wong to Graham McNeillie, Jim O'Brien, Subject: BOP Maintenance, attaching BOP Maintenance document, marked as CONFIDENTIAL	BY-HZN-BLY00368496 - 368501

Documents, Data and Information Considered

Exhibit No.	Description	Bates Number
6159	August 4-10, 2010 E-mail string among Lorna Carpenter, Ray Fleming, Norman Wong, Timothy Allen, Subject: Appendix for Rig Audit, attaching Appendix XYZ document, marked as CONFIDENTIAL	BP-HZN-BLY00359629 - 359636
6160	BP BOP Investigation, June 14, 2010, marked as CONFIDENTIAL	BP-HZN-BLY00367934 - 367947
6161	Document entitled Questions for Cameron, marked as CONFIDENTIAL, metadata sheet	BP-HZN-BLY00368850, one page with no Bates number
6162	February 3-6, 2006 E-mail string among Gary Wulf, Dave Castro, Charles Holt, Dan Welch, Dan Replogle, Sammy McDaniel, Mark Pierce, Steve Garner, Karen Veerkamp, Thomas Gray, Neil Cramond, Keith Elliott, Michael Broadribb, Subject: TH Pre Start-up Stage	BP-HZN-2179MDL01951903 - 1951911
6163	February 1, 2011 E-mail from Norman Wong to Harry Thierens, Subject: Annual Performance Review, attaching 2010 Annual Individual Performance Assessment for Norman Wong, marked as CONFIDENTIAL	BP-HZN-2179NDK01850259 - 1850265
6164	BP Deepwater Horizon Integrated Acceptance Audit August - September 2001 prepared by Mel O'Brien, Confidential Treatment Requested	BP-HZN-CEC043461 - 43570
6165	Deepwater Horizon Technical Rig Audit January 2005 prepared by Kevan Davis, marked as CONFIDENTIAL	BP-HZN-2179JDL01797388 - 1797450
6166	Deepwater Horizon Technical Rig Audit January 2008 prepared by Kevan Davis, marked as Confidential	BP-HZN-MBI 00050937 - 51018
6167	October 6, 2009 E-mail from Brett Cocales to DWH, OIM, Paul Johnson, Deepwater Horizon, Formen, DWH, MaintSup, James Kent, DWH, Toolpusher, Subject: Audit Report Documents - DWH Sept 2009, marked as CONFIDENTIAL	BP-HZN-BLY00323218 - 323219
6168	September 16-17, 2009 E-mail string among Nicholas Lirette, Brett Cocales, Charley Jay, William Bullard, Brian Wrobel, Wayne Fletcher, Ralph Watson, Subjects: It will all get sorted, We do not provide daily cost detail, Kodiak Appraisal Well Questions, Mo	BP-HZN-2179MDL00209289 - 209292
6169	Excerpt from 30 CFR II (7-1-04 Edition) §250.433 - §250.441; one page	
6170	Chart titled Horizon's Total BOP Functions Cycle on MC 252 #1, marked as CONFIDENTIAL	BP-HZN-BLY00104402 - 104404

Documents, Data and Information Considered

Exhibit No.	Description	Bates Number
6171	May 26, 2009 E-mail from Scherie Douglas to Mark Hafle, David Sims, George Gray, Subject: Macondo APD Approval, attaching Application for Permit to Drill a New Well, marked as HIGHLY CONFIDENTIAL	BP-HZN-2179MDL00237054 - 237083
6288	THE BP PARTIES' FOURTH AMENDED RESPONSES AND OBJECTIONS TO PLAINTIFFS' AGREED 30(b)(6) DEPOSITION NOTICE WITH 30(b)(5) DOCUMENT REQUESTS; 19 pages	
6289	September 25, 2009 E-mail from Brian Morel to George Gray, Subject: Macondo Incentive, attaching Macondo Incentive spreadsheets, marked Confidential	BP-HZN-MBI00071760, five pages with no Bates numbers
6290	Macondo MC252#1 Drilling Peer Review, June 24, 2009; 32 pages	
6291	BP SPU GoM Drilling and Completions D&C Recommended Practice for Management of Change, March 31, 2009, marked as CONFIDENTIAL	BP-HZN-2179MDL00339799 - 339820
6292	January-March, 2010 E-mail string among Brian Morel, Stephen Morey, Mark Hafle, Subjects: Macondo Pipe, Macondo, marked CONFIDENTIAL	BP-HZN-2179MDL00006266 - 6298
6293	Chart, MC 252#1 - Macondo Production casing and TA Forward Planning Decision Tree, 4/14/2010, marked as CONFIDENTIAL	BP-HZN-2179MDL00252431
6294	2009 Annual Individual Performance Assessment for John Guide, marked as CONFIDENTIAL	five pages with BP-HZN-2179MDL0035665, last digit(s) cut off
6295	May 15-22, 2008 E-mail string among Jonathan Sprague, Gregory Walz, Tina Lara, Charles Holt, Andrew Frazelle, Leonard Bedke, David Porter, Ian Little, David Rich, Subject IM Bowties - Let's try and simplify, attaching GOM SPU Presentation for DC Leadershi	BP-HZN-2179MDL01002350 - 1002352, 74 pages with no Bates numbers
6296	April 3-4, 2009 E-mail string among Andrew Frazelle, Ian Little, Harry Thierens, Charles Holt, Steve Tink, Subject: Transocean, marked as CONFIDENTIAL	BP-HZN-2179MDL00340190 - 340191
7047	April 13, 2009, E-mail with attachment from Clint Honeycutt to Harry Thierens, Steve Tink	BP-HZN-2179MDL00353196 -353198, BP-HZN-2179MDL00353205 - 353206; BP-HZN-2179MDL00035218
7048	Title 30 -- Mineral Resources, Page 281, Sec.250.106, one page	
7049	Title 30 -- Mineral Resources, Page 281-282, Sec. 250.107, one page	

Documents, Data and Information Considered

Exhibit No.	Description	Bates Number
7050	Title 30 -- Mineral Resources, Page 348, Sec. 250.400, one page	
7051	Title 30 -- Mineral Resources, Page 360, Sec. 250.446, one page	
7052	Title 30 -- Mineral Resources, Page 375, one page	
7053	March 24, 2010, E-mail to various parties	BP-HZN-2179MDL00245764 - 45766
7054	June 5, 2008, E-mail from Jake Skelton, one page	
7055	Title 30 -- Mineral Resources, Page 447, Sec.250.1501, one page	
7056	Title 30 -- Mineral Resources, Page 447, Sec. 250.1503, one page	
7057	Title 30 -- Mineral Resources, Page 448, Sec.250.1506, one page	
7058	Graph, two pages	
7059	Jan 16, 2009, various E-mails,	BP-HZN-MBI00056222 and 56221
7060	E-mails from Brian Morel to John Guide	BP-HZN-2179MDL00197329 and 97330
7061	E-mails dated April 7, 2009 and March 31, 2009	BP-HZN-2179MDL00397052
7062	May 8, 2009, E-mail from John Guide to various parties, two pages	
7063	July 14, 2009, E-mail from Ian Little to Harry Thierens with attachments	BP-HZN-2179MDL01797934 - 97938
7064	Aug. 6, 2009, E-mail from David Sims to various parties	BP-HZN-MBI00069552
7065	E-mails with dates of Aug 19 and 20, 2009 between various parties with attachment	BP-HZN-2179MDL00368430, BP-HZN-217MDL00368429, BP-HZN-MBI00070155, BP-HZN-BLY0038908
7066	June 18, 2009, E-mail from Kal Jassal to Harry Thierens with attachments	BP-HZN-2179MDL01793819 - 93840
7067	Gulf of Mexico SPU, GoM Drilling and Completions, GoM D&C Operating Plan/Local OMS Manual	BP-HZN-MBI00193448 & 93449, BP-HZN-MBI00193452
7068	E-mails dated Sept. 22 & 23, 2009	BP-HZN-2179MDL02172414 & 72415
7069	Gulf of MexicoSPU, Drilling & Completions, Recommended Practice for Risk Management, Implementation Draft	BP-HZN-2179MDL00332270 - 32326
7070	E-mail dated Oct. 6, 2009	BP-HZN-2179MDL0116938 - 61939
7071	Sept 17, 2009, E-mail from John Guide to Ian Little	BP-HZN-2179MDL01253424 - 53426
7072	May 4, 2008, E-mail from Jake Skelton	BP-HZN-2179MDL01272435
7073	Jan. 15, 2009, E-mail from Ian Little to David Sims	BP-HZN-2179MDL00194109
7074	Jan. 15, 2009, E-mails from Ian Little and David Sims	BP-HZNMBI00056096
7075	Feb. 2, 2009, E-mail from various parties	BP-HZN-2179MDL00386127
7076	March 25, 2009, E-mails from Andrew Frazelle and George Gray	BP-HZN-2179MDL00361924 - 61927

Documents, Data and Information Considered

Exhibit No.	Description	Bates Number
7077	Series of E-mails with attachments	BP-HZN-2179MDL00208981 - 09011
7078	Series of E-mails dated Sept 22 and 23, 2009	BP-HZN-2179MDL00209559 - 09561
7079	Oct 8, 2009, E-mai from Kevin Lacy to Ian Little	BP-HZN-2179MDL01843768
7080	Series of E-mails with attachments	BP-HZN-2179MDL00377089 - 77091; BP-HZN-2179MDL00194720 and 94721
7081	Jan 16, 2009, series of E-mails	BP-HZN-BLY00355508 - 55509
7082	Series of E-mails dated Aug. 19 and 20, 2009	BP-HZN-2179MDL00208159 - 08160
7083	E-mail dated July 23, 2009, and Aug 20, 2009	BP-HZN-2179MDL00208171
7084	Aug. 25, 2009 E-mail from Mark Hafle	BP-HZN-2179MDL00208476
7085	BP Incident Investigation Team -- Notes of Interview with John Guide, July 1, 2010 at BP Westlake 1 at 10:30am CDT; 11 pages	
7086	Dec. 1, 2009 E-mail sent from Ian Little;	BP-HZN-MBI00077612
7087	E-mails to various parties;	BP-HZN-2179MDL01819628
7088	July 17, 2007 E-mails	BP-HZN-MBI00037505;BP-HZN-MBI00037508
7089	PDP:Ian Little	BP-HZN-2179MDL01484831 - 84837
7090	Various E-mails	BP-HZN-2179MDL00374168 -74170
7091	July 19, 2004 E-mail from Curtis Jackson, two pages	
7092	Series of documents with Bates Nos BP-HZN-2179MDL01483605 - 83641	BP-HZN-2179MDL01483605 - 83641
7093	Series of E-mails with attachments; two pages	BP-HZN-2179MDL00733444 - 33446
7094	May 6, 2010 email from Andy Hines to G D & C Operations Network, David F Abusaid, Elvis I; Subject: D & C Ops Network Telecom Notes/Actions - 20th April 2010; 10 pages	BP-HZN-2179MDL00715711 - BP-HZN-2179MDL00715713; BP-HZN-2179MDL00716005
7095	Feb 25 2010 Email from Ian Little to David Rich; Subject Ian Little MOC	BP-HZN-2179MD100377677
7096	Annual Individual Performance Assessment of Ian Little Year 2008; 5 pages	BP-HZN-2719MDL01484838-BP-HZN-2719MDL01484842
7097	March 11, 2010 eamil from David C. Sims to David A. Rich, Patrick L. O'Bryan, Frank Waters, Jonathan D. Sprague; Charles A. Holt; Andrew E. Frazelle, Ian Little, John Guide; Subject: Macondo Update	BP-HZN-1279MDL00004560
7098	Memorandum dated September 28, 2009; Mississippi Canyon 252 #1 Macondo Prospect Incentive Reward Program	BP-HZN-MBI00170548-BP-HZN-MBI00170549
7099	Annual Individual Performance Assessment of John Guide Jan - Dec 2009; 6 pages	BP -HZN-2179MDL00346653 - BP-HZN-2179MDL00346657
7100	July 17, 2007 email from Kevin Lacy to Ian Little; Subject: RE: Update on TO performance	BP-HZN-2719MDL08108296 - BP-HZN-2179MDL01808297

Documents, Data and Information Considered

Exhibit No.	Description	Bates Number
7101	Gulf of Mexico Organizational MOC; Date Initiated: Feb 23, 2010; Title: D&C E&A Operations Manager Handover, 11 pages	BP-HZN-MBI 00107478 - BP-HZN-MBI 00107488
Exhibit 4126	MMS - DWH Inspection Record 03-03-2010 -	
Exhibit 4127	MMS - DWH Inspection Record 04-01-2010 -	
Exhibit 4139	MMS - DWH Inspection Record 11-18-2008 -	
0296-1	Risk Register and Action Tracking Sheet for E&P Projects	
0526-A	BP Incident Investigation Team - Notes of Interview with Ronnie Sepulvado - August 31, 2010 (Telephonic) - 2:05pm CDT	BP-HZN-BLY00061692 - BP-HZN-BLY00061695
0576-A	E-Mail - From: Bodek, Robert Sent: Sun Mar 07 23:11:39 2010 - Subject: RE: Macondo daily update	BP-HZN-2179MDL00001898 - BP-HZN-2179MDL00001904
1243-A	4.4.2 <u>Removal for Cause by Vote</u>	APC-HEC1-000001628 ADR003-000221
1452A	Transocean Field Operations Handbook Revision Status: Level: L1B, Classification: Handbook, Manual Number: HQS-OPS-HB-05, Issue Number: 01, Revision Number: 02, Revision Date: April 21, 2010, marked as Confidential Treatment Requested by Transocean Holdin	TRN-HCEC-00011574 and 11650 - 11655
Exhibit 0088	ModuSpec Rig Condition Assessment April 2010 -	
Exhibit 0671	DWH Operations Manual Vol 1 of 2	BP-HZN_2179-MDL00141787 - BP-HZN-2179-MDL00142399
Exhibit 0929	Lloyds Register EMEA Summary Report	
Exhibit 0939	ISM - ISPS MODU Handbook -	
Exhibit 0943	2009 Annual ISM DOC Audit -	TRN-MDL-00286668 - TRN-MDL-00286673
Exhibit 0952	Ex. 0953 2009 TO DOC	
Exhibit 0953	Marshall Islands - Safety Management - Document of Compliance - Jan 2007 -	TRN-MDL-0000488930 - TRN-MDL-0000488931
Exhibit 1449	Ex. 1449 HS Policies and Procedures Exhibit Copy	
Exhibit 1449	Ex. 597 DWH Emergency Manual and STATION BILL	BP-HZN-MBI00131953 - BP-HZN-MBI00132325

Documents, Data and Information Considered

Exhibit No.	Description	Bates Number
Exhibit 1776	Ex. 1776 2007 Safety Mgmt Cert	
Exhibit 1790	Ex. 1790 DNV Apr 23 2009 ISM Survey	
Exhibit 1832	Ex. 1832 - DWH BP CMID Work List	
Exhibit 3404	BP - DWH CMID May 2007	BP-HZN-CEC035317 - BP-HZN-CEC035379
Exhibit 4063	DWH - Station Bill	TRN-MDL-00527083
Exhibit 4377	Ex. 4377 BP CMID MODU Sep 2009	
Exhibit 6164	BP - DWH Integrated Acceptance Audit Aug 2001	BP-HZN-CEC043461 - BP-HZN-CEC043570
Exhibit 6165	BP - DWH Technical Rig Audit Jan 2005	BP-HZN-2179MDL01797388 - BP-HZN-2179MDL01797450
Exhibit 6166	BP - DWH Technical Rig Audit Jan 2008	BP-HZN-MBI 00050937 - 51018
Exhibit 820	Ex. 0820 Daily Drilling Report Apr 20	BP-HZN-MBI-00136946 - BP-HZN-MBI-00136950
	MDL Deposition Transcript of William Haynie	
	MDL Deposition Transcript of Paul Chandler	
	MDL Deposition Transcript of Robert Quitzau	
	MDL Deposition Transcript of Shane Albers	
	MDL Deposition Transcript of Mark Bly, Vol. 1	
	MDL Deposition Transcript of Mark Bly, Vol. 2	
	MDL Deposition Transcript of Martin Breazeale	
	MDL Deposition Transcript of Adrian Rose	
	MDL Deposition Transcript of Alan Schneider	
	MDL Deposition Transcript of Billy Ambrose	
	MDL Deposition Transcript of Brett Cocales	
	MDL Deposition Transcript of Bryan Clawson	
	MDL Deposition Transcript of Caleb Holloway	
	MDL Deposition Transcript of Carl Taylor	
	MDL Deposition Transcript of Cheryl Grounds	
	MDL Deposition Transcript of Chris Pleasant	
	MDL Deposition Transcript of Cindy Skelton	
	MDL Deposition Transcript of Craig Breland	
	MDL Deposition Transcript of Curtis Jackson	
	MDL Deposition Transcript of Daun Winslow	
	MDL Deposition Transcript of David Hackney	
	MDL Deposition Transcript of David MacKay	

Documents, Data and Information Considered

Exhibit No.	Description	Bates Number
	MDL Deposition Transcript of David Sims	
	MDL Deposition Transcript of Doug Brown, Vol.1	
	MDL Deposition Transcript of Doug Suttles	
	MDL Deposition Transcript of Douglas Martin	
	MDL Deposition Transcript of Dustin Johnson	
	MDL Deposition Transcript of Eric Neal	
	MDL Deposition Transcript of Frank Patton	
	MDL Deposition Transcript of Gillian S. Cowlam	
	MDL Deposition Transcript of Henry Thierens	
	MDL Deposition Transcript of Ian Little	
	MDL Deposition Transcript of James Brent Mansfield	
	MDL Deposition Transcript of James Wetherbee	
	MDL Deposition Transcript of Jay Odenwald	
	MDL Deposition Transcript of John Guide	
	MDL Deposition Transcript of John Sprague	
	MDL Deposition Transcript of Kate Paine	
	MDL Deposition Transcript of Keith Daigle	
	MDL Deposition Transcript of Kelly Gray	
	MDL Deposition Transcript of Kevin Lacy	
	MDL Deposition Transcript of Kirk Wardlaw	
	MDL Deposition Transcript of Jan Simonsen	
	MDL Deposition Transcript of Kurt Kronenberger	
	MDL Deposition Transcript of Mark David Hay	
	MDL Deposition Transcript of Micah Burgess	
	MDL Deposition Transcript of Michael Saucier	
	MDL Deposition Transcript of Michael Williams	
	MDL Deposition Transcript of Murry Sepulvado	
	MDL Deposition Transcript of Neil Cramond	
	MDL Deposition Transcript of Nick Watson	
	MDL Deposition Transcript of Norman Wong	
	MDL Deposition Transcript of Patrick O'Bryan	
	MDL Deposition Transcript of Paul Anderson	
	MDL Deposition Transcript of Paul J Meinhart, III	
	MDL Deposition Transcript of Paul Johnson	
	MDL Deposition Transcript of Peter Auke Sierdsma	
	MDL Deposition Transcript of Peter Auke Sierdsma	
	MDL Deposition Transcript of Phillip Earl Lee	
	MDL Deposition Transcript of Randy Ezell	
	MDL Deposition Transcript of Richard Vargo	
	MDL Deposition Transcript of Robert M. Kaluza, Jr	
	MDL Deposition Transcript of Robert Neal	
	MDL Deposition Transcript of Robert Tiano	

Documents, Data and Information Considered

Exhibit No.	Description	Bates Number
	MDL Deposition Transcript of Ronnie Sepulvado	
	MDL Deposition Transcript of Ross Skidmore	
	MDL Deposition Transcript of Thomas Roth	
	MDL Deposition Transcript of Troy James Hardaway	
	MDL Deposition Transcript of Victor Martinez	
	MDL Deposition Transcript of Vincent Tabler	
	U S Coast Guard Witness Statement of ANTHONY GRAHAM	HCG059-000001
	U S Coast Guard Witness Statement of Benjamin Lacroix	HCG059-000002
	U S Coast Guard Witness Statement of BILL FRANCIS	HCG059-000003
	U S Coast Guard Witness Statement of BILLY COON	HCG059-000004
	U S Coast Guard Witness Statement of Brad Jones	HCG059-000005
	U S Coast Guard Witness Statement of Brad Tippetts	HCG059-000006
	U S Coast Guard Witness Statement of BRANDON BOULLION	HCG059-000007
	U S Coast Guard Witness Statement of BRIAN DELLIOLE	HCG059-000008
	U S Coast Guard Witness Statement of BUDDY TRAHAN	HCG059-000009
	U S Coast Guard Witness Statement of Caleb Holloway	HCG059-000011
	U S Coast Guard Witness Statement of Carl Lavergne	HCG059-000012
	U S Coast Guard Witness Statement of CARL TAYLOR	HCG059-000013
	U S Coast Guard Witness Statement of Carlos Ramos	HCG059-000014
	U S Coast Guard Witness Statement of CATHLEENIA WILLIS	HCG059-000015
	U S Coast Guard Witness Statement of Chad Murray	HCG059-000016
	U S Coast Guard Witness Statement of CHARLES COCHRAN	HCG059-000018
	U S Coast Guard Witness Statement of Charles Creduer	HCG059-000019
	U S Coast Guard Witness Statement of Christopher B Pleasant	HCG059-000020
	U S Coast Guard Witness Statement of Christopher Choy	HCG059-000021
	U S Coast Guard Witness Statement of Christopher Ryan Haire	HCG059-000022

Documents, Data and Information Considered

Exhibit No.	Description	Bates Number
	U S Coast Guard Witness Statement of COBY RICHARD	HCG059-000023
	U S Coast Guard Witness Statement of Cole Jones	HCG059-000024
	U S Coast Guard Witness Statement of CRAIG BRELAND	HCG059-000025
	U S Coast Guard Witness Statement of Curt Kuchta	HCG059-000026
	U S Coast Guard Witness Statement of Daniel Barron	HCG059-000042
	U S Coast Guard Witness Statement of DARIN ROPINSKI	HCG059-000043
	U S Coast Guard Witness Statement of Darrel Reed	HCG059-000044
	U S Coast Guard Witness Statement of Darren Costello	HCG059-000045
	U S Coast Guard Witness Statement of Daun Winslow	HCG059-000046
	U S Coast Guard Witness Statement of David Young	HCG059-000049
	U S Coast Guard Witness Statement of Dennis Martinez	HCG059-000050
	U S Coast Guard Witness Statement of Dominick Ussin	HCG059-000051
	U S Coast Guard Witness Statement of Donald Vidrine	HCG059-000052
	U S Coast Guard Witness Statement of Douglas (David) Brown	HCG059-000053
	U S Coast Guard Witness Statement of Dustin Johnson	HCG059-000055
	U S Coast Guard Witness Statement of ERIC ESTRADA, SR.	HCG059-000056
	U S Coast Guard Witness Statement of EUGENE MOSS	HCG059-000057
	U S Coast Guard Witness Statement of FRANK IRELAND	HCG059-000058
	U S Coast Guard Witness Statement of Greg Meche	HCG059-000059
	U S Coast Guard Witness Statement of Heath Lambert	HCG059-000060
	U S Coast Guard Witness Statement of Heber Morales	HCG059-000061
	U S Coast Guard Witness Statement of James Ingram	HCG059-000062
	U S Coast Guard Witness Statement of James Mansfield	HCG059-000063
	U S Coast Guard Witness Statement of JAMES WILSON	HCG059-000064
	U S Coast Guard Witness Statement of Jared Oldham	HCG059-000065

Documents, Data and Information Considered

Exhibit No.	Description	Bates Number
	U S Coast Guard Witness Statement of JASON COOLEY	HCG059-000066
	U S Coast Guard Witness Statement of JERRY ISAAC	HCG059-000067
	U S Coast Guard Witness Statement of Jerry Pitts	HCG059-000068
	U S Coast Guard Witness Statement of JIMMY HARRELL	HCG059-000069
	U S Coast Guard Witness Statement of John Gibodeaux	HCG059-000070
	U S Coast Guard Witness Statement of JONATHAN KERSEY	HCG059-000071
	U S Coast Guard Witness Statement of JOSEPH EVANS	HCG059-000072
	U S Coast Guard Witness Statement of JOSEPH KEITH	HCG059-000073
	U S Coast Guard Witness Statement of Joseph Luke Anderson	HCG059-000074
	U S Coast Guard Witness Statement of Karl Rhodes	HCG059-000075
	U S Coast Guard Witness Statement of Kennedy Cola	HCG059-000076
	U S Coast Guard Witness Statement of KEVIN EUGENE	HCG059-000077
	U S Coast Guard Witness Statement of Kevin Senegal	HCG059-000078
	U S Coast Guard Witness Statement of LANCE JOHN	HCG059-000079
	U S Coast Guard Witness Statement of Lee Lambert	HCG059-000080
	U S Coast Guard Witness Statement of Leo Lindner	HCG059-000081
	U S Coast Guard Witness Statement of LONNIE WASHINGTON	HCG059-000082
	U S Coast Guard Witness Statement of Mark Hay	HCG059-000083
	U S Coast Guard Witness Statement of MARK NUNLEY	HCG059-000084
	U S Coast Guard Witness Statement of Matthew Jacobs	HCG059-000085
	U S Coast Guard Witness Statement of Micah Burgess	HCG059-000086
	U S Coast Guard Witness Statement of Micah Sandell	HCG059-000087
	U S Coast Guard Witness Statement of MICHAEL GLENDENNING	HCG059-000088
	U S Coast Guard Witness Statement of Michael W Burrell	HCG059-000089
	U S Coast Guard Witness Statement of Michael Williams	HCG059-000090

Documents, Data and Information Considered

Exhibit No.	Description	Bates Number
	U S Coast Guard Witness Statement of MIKE MAYFIELD	HCG059-000093
	U S Coast Guard Witness Statement of Miles Randal Ezell	HCG059-000094
	U S Coast Guard Witness Statement of Nickalus J Watson	HCG059-000095
	U S Coast Guard Witness Statement of Guillory_Brett	HCG059-000096
	U S Coast Guard Witness Statement of OCS_Kritzer_Joshua	HCG059-000098
	U S Coast Guard Witness Statement of OLEANDER BENTON	HCG059-000100
	U S Coast Guard Witness Statement of Pat Obrian	HCG059-000101
	U S Coast Guard Witness Statement of Patrick Morgan	HCG059-000102
	U S Coast Guard Witness Statement of Paul Meinhart	HCG059-000103
	U S Coast Guard Witness Statement of Paula Walker	HCG059-000104
	U S Coast Guard Witness Statement of Phillip Linch	HCG059-000106
	U S Coast Guard Witness Statement of Robert Dale Young	HCG059-000108
	U S Coast Guard Witness Statement of Robert Kaluza	HCG059-000109
	U S Coast Guard Witness Statement of ROBERT SPLAWN	HCG059-000110
	U S Coast Guard Witness Statement of Ross Randy Skidmore	HCG059-000111
	U S Coast Guard Witness Statement of Sam Pigg Jr.	HCG059-000112
	U S Coast Guard Witness Statement of Shane Albers	HCG059-000113
	U S Coast Guard Witness Statement of SHANE FAULK	HCG059-000114
	U S Coast Guard Witness Statement of Stanley Carden	HCG059-000115
	U S Coast Guard Witness Statement of STENSON ROARK	HCG059-000117
	U S Coast Guard Witness Statement of Stephen Davis	HCG059-000118
	U S Coast Guard Witness Statement of STEPHEN STONE	HCG059-000119
	U S Coast Guard Witness Statement of Steve Bertone	HCG059-000120
	U S Coast Guard Witness Statement of Steven Richard	HCG059-000123
	U S Coast Guard Witness Statement of TERRY SELLENS	HCG059-000124
	U S Coast Guard Witness Statement of Thomas Cole	HCG059-000125

Documents, Data and Information Considered

Exhibit No.	Description	Bates Number
	U S Coast Guard Witness Statement of TO_Fleytas_Andrea	HCG059-000126
	U S Coast Guard Witness Statement of TO_Matthew_Houston_Hughes	HCG059-000127
	U S Coast Guard Witness Statement of TO_Petty, Alonzo	HCG059-000129
	U S Coast Guard Witness Statement of TO_Seraile, Allen J	HCG059-000130
	U S Coast Guard Witness Statement of TO_Wyman_W_Wheeler	HCG059-000131
	U S Coast Guard Witness Statement of Troy Hadaway	HCG059-000133
	U S Coast Guard Witness Statement of Truitt Crawford	HCG059-000134
	U S Coast Guard Witness Statement of TYRONE BENTON	HCG059-000135
	U S Coast Guard Witness Statement of VINCENT TABLER	HCG059-000136
	U S Coast Guard Witness Statement of Will Jernigan	HCG059-000137
	U S Coast Guard Witness Statement of WILLIAM PATRICK JOHNSON	HCG059-000138
	U S Coast Guard Witness Statement of William Terrell	HCG059-000139
	U S Coast Guard Witness Statement of William Wilton Stoner	HCG059-000140
	U S Coast Guard Witness Statement of Yancy Keplinger	HCG059-000142
	Deepwater Horizon Safety Drill Report - Fire Drill - 2009-01-04	TRN-MDL-00030541
	Deepwater Horizon Safety Drill Report - Abandon Ship Drill - 2009-01-04	TRN-MDL-00030542
	Deepwater Horizon Safety Drill Report - Fire Drill - 2009-01-11	TRN-MDL-00030545
	Deepwater Horizon Safety Drill Report - Abandon Ship Drill - 2009-01-11	TRN-MDL-00030546
	Deepwater Horizon Safety Drill Report - Fire Drill - 2009-01-18	TRN-MDL-00030550
	Deepwater Horizon Safety Drill Report - Abandon Ship Drill - 2009-01-18	TRN-MDL-00030551
	Deepwater Horizon Safety Drill Report - Fire Drill - 2009-01-25	TRN-MDL-00030555
	Deepwater Horizon Safety Drill Report - Abandon Ship Drill - 2009-01-25	TRN-MDL-00030556

Documents, Data and Information Considered

Exhibit No.	Description	Bates Number
	Deepwater Horizon Safety Drill Report - Fire Drill - 2009-02-01	TRN-MDL-00030560
	Deepwater Horizon Safety Drill Report - Abandon Ship Drill - 2009-02-01	TRN-MDL-00030561
	Deepwater Horizon Safety Drill Report - Fire Drill - 2009-02-08	TRN-MDL-00030563
	Deepwater Horizon Safety Drill Report - Abandon Ship Drill - 2009-02-08	TRN-MDL-00030565
	Deepwater Horizon Safety Drill Report - Fire Drill - 2009-02-15	TRN-MDL-00030569
	Deepwater Horizon Safety Drill Report - Abandon Ship Drill - 2009-02-15	TRN-MDL-00030570
	Deepwater Horizon Safety Drill Report - Fire Drill - 2009-02-22	TRN-MDL-00030571
	Deepwater Horizon Safety Drill Report - Abandon Ship Drill - 2009-02-22	TRN-MDL-00030572
	Deepwater Horizon Safety Drill Report - Fire Drill - 2009-03-01	TRN-MDL-00030576
	Deepwater Horizon Safety Drill Report - Abandon Ship Drill - 2009-03-01	TRN-MDL-00030577
	Deepwater Horizon Safety Drill Report - Fire Drill - 2009-03-08	TRN-MDL-00030580
	Deepwater Horizon Safety Drill Report - Abandon Ship Drill - 2009-03-08	TRN-MDL-00030581
	Deepwater Horizon Safety Drill Report - Fire Drill - 2009-03-15	TRN-MDL-00030584
	Deepwater Horizon Safety Drill Report - Abandon Ship Drill - 2009-03-15	TRN-MDL-00030585
	Deepwater Horizon Safety Drill Report - Fire Drill - 2009-03-22	TRN-MDL-00030590
	Deepwater Horizon Safety Drill Report - Abandon Ship Drill - 2009-03-22	TRN-MDL-00030591
	Deepwater Horizon Safety Drill Report - Fire Drill - 2009-03-22	TRN-MDL-00030592
	Deepwater Horizon Safety Drill Report - Fire Drill - 2009-03-29	TRN-MDL-00030595
	Deepwater Horizon Safety Drill Report - Abandon Ship Drill - 2009-03-29	TRN-MDL-00030596
	Deepwater Horizon Safety Drill Report - Fire Drill - 2009-04-05	TRN-MDL-00030598
	Deepwater Horizon Safety Drill Report - Abandon Ship Drill - 2009-04-05	TRN-MDL-00030599

Documents, Data and Information Considered

Exhibit No.	Description	Bates Number
	Deepwater Horizon Safety Drill Report - Fire Drill - 2009-04-12	TRN-MDL-00030602
	Deepwater Horizon Safety Drill Report - Abandon Ship Drill - 2009-04-12	TRN-MDL-00030604
	Deepwater Horizon Safety Drill Report - Fire Drill - 2009-04-19	TRN-MDL-00030611
	Deepwater Horizon Safety Drill Report - Abandon Ship Drill - 2009-04-19	TRN-MDL-00030612
	Deepwater Horizon Safety Drill Report - Fire Drill - 2009-04-26	TRN-MDL-00030614
	Deepwater Horizon Safety Drill Report - Abandon Ship Drill - 2009-04-26	TRN-MDL-00030615
	Deepwater Horizon Safety Drill Report - Fire Drill - 2009-05-03	TRN-MDL-00030621
	Deepwater Horizon Safety Drill Report - Abandon Ship Drill - 2009-05-03	TRN-MDL-00030622
	Deepwater Horizon Safety Drill Report - Fire Drill - 2009-05-10	TRN-MDL-00030623
	Deepwater Horizon Safety Drill Report - Abandon Ship Drill - 2009-05-10	TRN-MDL-00030624
	Deepwater Horizon Safety Drill Report - Fire Drill - 2009-05-17	TRN-MDL-00030628
	Deepwater Horizon Safety Drill Report - Abandon Ship Drill - 2009-05-17	TRN-MDL-00030629
	Deepwater Horizon Safety Drill Report - Fire Drill - 2009-05-24	TRN-MDL-00030633
	Deepwater Horizon Safety Drill Report - Abandon Ship Drill - 2009-05-24	TRN-MDL-00030634
	Deepwater Horizon Safety Drill Report - Fire Drill - 2009-05-31	TRN-MDL-00030638
	Deepwater Horizon Safety Drill Report - Abandon Ship Drill - 2009-05-31	TRN-MDL-00030639
	Deepwater Horizon Safety Drill Report - Fire Drill - 2009-06-07	TRN-MDL-00030643
	Deepwater Horizon Safety Drill Report - Abandon Ship Drill - 2009-06-07	TRN-MDL-00030644
	Deepwater Horizon Safety Drill Report - Fire Drill - 2009-06-14	TRN-MDL-00030648
	Deepwater Horizon Safety Drill Report - Abandon Ship Drill - 2009-06-14	TRN-MDL-00030649
	Deepwater Horizon Safety Drill Report - Fire Drill - 2009-06-21	TRN-MDL-00030656

Documents, Data and Information Considered

Exhibit No.	Description	Bates Number
	Deepwater Horizon Safety Drill Report - Abandon Ship Drill - 2009-06-21	TRN-MDL-00030657
	Deepwater Horizon Safety Drill Report - Fire Drill - 2009-06-28	TRN-MDL-00030664
	Deepwater Horizon Safety Drill Report - Abandon Ship Drill - 2009-06-28	TRN-MDL-00030665
	Deepwater Horizon Safety Drill Report - Fire Drill - 2009-07-05	TRN-MDL-00030672
	Deepwater Horizon Safety Drill Report - Abandon Ship Drill - 2009-07-06	TRN-MDL-00030673
	Deepwater Horizon Safety Drill Report - Fire Drill - 2009-07-12	TRN-MDL-00030677
	Deepwater Horizon Safety Drill Report - Abandon Ship Drill - 2009-07-12	TRN-MDL-00030678
	Deepwater Horizon Safety Drill Report - Fire Drill - 2009-07-19	TRN-MDL-00030683
	Deepwater Horizon Safety Drill Report - Abandon Ship Drill - 2009-07-19	TRN-MDL-00030684
	Deepwater Horizon Safety Drill Report - Fire Drill - 2009-07-26	TRN-MDL-00030689
	Deepwater Horizon Safety Drill Report - Abandon Ship Drill - 2009-07-26	TRN-MDL-00030690
	Deepwater Horizon Safety Drill Report - Fire Drill - 2009-08-02	TRN-MDL-00030694
	Deepwater Horizon Safety Drill Report - Abandon Ship Drill - 2009-08-02	TRN-MDL-00030695
	Deepwater Horizon Safety Drill Report - Fire Drill - 2009-08-10	TRN-MDL-00030700
	Deepwater Horizon Safety Drill Report - Abandon Ship Drill - 2009-08-10	TRN-MDL-00030701
	Deepwater Horizon Safety Drill Report - Fire Drill - 2009-08-16	TRN-MDL-00030706
	Deepwater Horizon Safety Drill Report - Abandon Ship Drill - 2009-08-16	TRN-MDL-00030707
	Deepwater Horizon Safety Drill Report - Fire Drill - 2009-08-23	TRN-MDL-00030712
	Deepwater Horizon Safety Drill Report - Abandon Ship Drill - 2009-08-23	TRN-MDL-00030713
	Deepwater Horizon Safety Drill Report - Fire Drill - 2009-08-30	TRN-MDL-00030717
	Deepwater Horizon Safety Drill Report - Abandon Ship Drill - 2009-08-30	TRN-MDL-00030718

Documents, Data and Information Considered

Exhibit No.	Description	Bates Number
	Deepwater Horizon Safety Drill Report - Fire Drill - 2009-09-06	TRN-MDL-00030720
	Deepwater Horizon Safety Drill Report - Abandon Ship Drill - 2009-09-06	TRN-MDL-00030721
	Deepwater Horizon Safety Drill Report - Fire Drill - 2009-09-13	TRN-MDL-00030726
	Deepwater Horizon Safety Drill Report - Abandon Ship Drill - 2009-09-13	TRN-MDL-00030727
	Deepwater Horizon Safety Drill Report - Abandon Ship Drill - 2009-09-20	TRN-MDL-00030730
	Deepwater Horizon Safety Drill Report - Fire Drill - 2009-09-20	TRN-MDL-00030731
	Deepwater Horizon Safety Drill Report - Fire Drill - 2009-09-27	TRN-MDL-00030733
	Deepwater Horizon Safety Drill Report - Abandon Ship Drill - 2009-09-27	TRN-MDL-00030734
	Deepwater Horizon Safety Drill Report - Fire Drill - 2009-10-04	TRN-MDL-00030739
	Deepwater Horizon Safety Drill Report - Abandon Ship Drill - 2009-10-04	TRN-MDL-00030740
	Deepwater Horizon Safety Drill Report - Fire Drill - 2009-10-11	TRN-MDL-00030745
	Deepwater Horizon Safety Drill Report - Abandon Ship Drill - 2009-10-11	TRN-MDL-00030746
	Deepwater Horizon Safety Drill Report - Fire Drill - 2009-10-18	TRN-MDL-00030749
	Deepwater Horizon Safety Drill Report - Abandon Ship Drill - 2009-10-18	TRN-MDL-00030750
	Deepwater Horizon Safety Drill Report - Abandon Ship Drill - 2009-10-18	TRN-MDL-00030751
	Deepwater Horizon Safety Drill Report - Fire Drill - 2009-10-25	TRN-MDL-00030756
	Deepwater Horizon Safety Drill Report - Abandon Ship Drill - 2009-10-25	TRN-MDL-00030757
	Deepwater Horizon Safety Drill Report - Fire Drill - 2009-11-01	TRN-MDL-00030761
	Deepwater Horizon Safety Drill Report - Abandon Ship Drill - 2009-11-01	TRN-MDL-00030762
	Deepwater Horizon Safety Drill Report - Fire Drill - 2009-11-08	TRN-MDL-00030766
	Deepwater Horizon Safety Drill Report - Abandon Ship Drill - 2009-11-08	TRN-MDL-00030767

Documents, Data and Information Considered

Exhibit No.	Description	Bates Number
	Deepwater Horizon Safety Drill Report - Fire Drill - 2009-11-15	TRN-MDL-00030771
	Deepwater Horizon Safety Drill Report - Abandon Ship Drill - 2009-11-15	TRN-MDL-00030772
	Deepwater Horizon Safety Drill Report - Fire Drill - 2009-11-22	TRN-MDL-00030776
	Deepwater Horizon Safety Drill Report - Abandon Ship Drill - 2009-11-22	TRN-MDL-00030777
	Deepwater Horizon Safety Drill Report - Fire Drill - 2009-11-29	TRN-MDL-00030781
	Deepwater Horizon Safety Drill Report - Abandon Ship Drill - 2009-11-29	TRN-MDL-00030783
	Deepwater Horizon Safety Drill Report - Fire Drill - 2009-12-06	TRN-MDL-00030786
	Deepwater Horizon Safety Drill Report - Abandon Ship Drill - 2009-12-06	TRN-MDL-00030787
	Deepwater Horizon Safety Drill Report - Fire Drill - 2009-12-13	TRN-MDL-00030792
	Deepwater Horizon Safety Drill Report - Abandon Ship Drill - 2009-12-13	TRN-MDL-00030793
	Deepwater Horizon Safety Drill Report - Fire Drill - 2009-12-20	TRN-MDL-00030797
	Deepwater Horizon Safety Drill Report - Abandon Ship Drill - 2009-12-20	TRN-MDL-00030798
	Deepwater Horizon Safety Drill Report - Fire Drill - 2009-12-27	TRN-MDL-00030801
	Deepwater Horizon Safety Drill Report - Abandon Ship Drill - 2009-12-27	TRN-MDL-00030802
	2005 Intermediate ISM Audit with Audit Report and Programme	ABSDWH004017-ABSDWH004020
	2007 International Ship Security Certificate with Ship Security Verification Report	TRN-MDL-00286668 - TRN-MDL-00286673
	2007 ISM Code Certification Ship Audit Report with Observation	TRN-MDL-00286665 - TRN-MDL-00286666
	2007 Renewal ISM Audit with Marine Safety Audit Programme	TRN-MDL-00286674
	2007 Safety Management Certificate	TRN-MDL-00286667
	2007 Ship Management Certificate	TRN-MDL-00286678 - TRN-MDL-00286679
	2009 - 2010 RMS Engines - TRN-INV-00085711	TRN-INV-00085711 - TRN-INV-00085816
	2010 - Jan Safety Drill Reports	TRN-INV-02642294 - TRN-INV-02643015
	2010 Apr - Safety Drill Reports	TRN-INV-02643133 - TRN-INV-02643171
	2010 Feb - Safety Drill Reports	TRN-INV-02643172 - TRN-INV-02643211

Documents, Data and Information Considered

Exhibit No.	Description	Bates Number
	2010 Mar - Safety Drill Reports -	TRN-INV-02643082 - TRN-INV-02643132
	2010-04-18 IADC Daily Drilling Report	TRN-HJC-00076328 - TRN-HJC-00076331
	2010-04-19 IADC Daily Drilling Report	TRN-HJC-00076332 - TRN-HJC-00076337
	Drawing A-UN 1000 - Fire Fighting & Lifesaving Plan	TRN-INV-00534326
	Drawing A-UN 1000 ABS Approved Fire Fighting & Lifesaving Plan	TO-DHTF-00284751
	Drawing A-UN 1001 - Safety and Fire Control - Legend 1	TRN-INV-00534323
	Drawing A-UN 1001 - Safety and Fire Control - Legend 2	TRN-INV-00534324
	Drawing A-UN 1002 - Safety and Fire Control - Mechanical Ventilation	TRN-INV-00534325
	Drawing A-UN 1003 - Safety and Fire Control - Extinguishers	TRN-INV-00534326
	Drawing A-UN 1004 - Safety and Fire Control - Pontoon	TRN-INV-00534327
	Drawing A-UN 1005 - Safety and Fire Control - Column Port Fwd	TRN-INV-00534328
	Drawing A-UN 1006 - Safety and Fire Control - Column Port Aft	TRN-INV-00534329
	Drawing A-UN 1007 - Safety and Fire Control - Column Stbd Fwd	TRN-INV-00534330
	Drawing A-UN 1008 - Safety and Fire Control - Column Stb Aft	TRN-INV-00534331
	Drawing A-UN 1009 - Safety and Fire Control - Main Deck	TRN-INV-00534332
	Drawing A-UN 1010 - Safety and Fire Control - 2nd Deck	TRN-INV-00534333
	Drawing A-UN 1011 - Safety and Fire Control - 3rd Deck	TRN-INV-00534334
	Drawing A-UN 1012 - Safety and Fire Control - Upper Decks	TRN-INV-00534335
	ABS - DWH 2009 Drydocking Survey Checklist -	ABSDWH004017 - ABSDWH004020
	ABS - DWH 2009 Special Continuous Survey - Hull 2 Checklist	ABSDWH004010 - ABSDWH004016
	ABS - DWH Survey Status Report 22-Apr-2010	TRN-MDL-01101598 - TRN-MDL-01101598
	ABS Certificate of Classification for DWH - 19 Oct 2009 -	TRN-MDL-00272528 - TRN-MDL-00272531
	ABS Class Survey Report - MC1722260	TRN-MDL-01134503 - TRN-MDL-01134513
	ABS Class Survey Report - MC1767269	TRN-INV-02105973 - TRN-INV-02105980
	ABS Class Survey Report - MC1794166	TRN-MDL-01100188 - TRN-MDL-01100194
	BP - DWH CMID Guidance Sep 2009	TRN-MDL-00379072 - TRN-MDL-00379130

Documents, Data and Information Considered

Exhibit No.	Description	Bates Number
	BP - DWH CMID Sep 2009	TRN-MDL-00378953 - TRN-MDL-00379011
	BP - DWH Marine Assurance Audit Sep 2009	BP-HZN-IIT-0008871 - BP-HZN-IIT-0008930
	BP CMID Audit Work List Sep 2009	TRN-INV-03258150 - TRN-INV-03258188
	Certificate and Survey Manual - HQS-OPS-HB-03	TRN-MDL-00027065-TRN-MDL-00027184
	Deepwater Horizon - Final Interview Report - Bob Miller Wartsila	
	Deepwater_Horizon_Accident_Investigation_Report (BP Bly Report)	TRN-INV-005705540 - TRN-INV-005705541
	Drawing - DH00150001 - Haz Area Above Main Deck dwg	
	Drawing - DH00150002 - Haz Area Drill Floor dwg	
	Drawing - DH00150003 - Haz Area Main Deck dwg	
	Drawing - DH00150004 - Haz Area Second Deck dwg	
	Drawing - DH00150005 - Haz Area Third Deck dwg	
	Drawing - DH00150006 - Haz Area Midship Section dwg	
	DNV - DWH Vessel Summary Report	
	DNV Reliability and Vulnerability Analysis of the Deepwater Horizon 2002 - TO-DHTF-00273654	
	DOC-00009931 OFFICIAL Transcript of The Joint USCGMMS Investigation dated 05-26-10 (Smith (Carl), Brown, Forsyth, Ray)	
	DOC-00009932 OFFICIAL Transcript of The Joint USCGMMS Investigation dated 05-27-10 (Harrell, Kuchta, Young, Murray)	
	DOC-00009934 OFFICIAL Transcript of The Joint USCGMMS Investigation dated 05-29-10(Sandell, Meinhart, Burgess, et al)	
	DOC-00009936 OFFICIAL Transcript of The Joint USCGMMS Investigation dated 07-20-10 (Sepulvado (Ron), Skidmore, Lambert)	
	DOC-00009939 OFFICIAL Transcript of The Joint USCGMMS Investigation dated 08-23-10 (Cramond, Johnson, Winslow)	
	DOC-00009940 OFFICIAL Transcript of The Joint USCGMMS Investigation dated 08-24-10 (Winslow, Chaisson)	
	DOC-00009942 OFFICIAL Transcript of The Joint USCGMMS Investigation dated 08-26-10 (Wells, Sims, O'Bryan)	

Documents, Data and Information Considered

Exhibit No.	Description	Bates Number
	DOC-00011171 OFFICIAL Transcript of The Joint USCG-BOEM InvestigationAMPM100810Mini (Smith (Carl), Gisclair)	
	DOC-00019658 OFFICIAL Transcript of the Joint USCG-BOEM InvestigationPM120710Full (Gisclair, Wright)	
	DWH ISM Audit Apr 2008	TRN-MDL-00027240 - TRN-MDL-00027262
	DWH ISM Audit Jun 2007	TRN-MDL-00027956 - TRN-MDL-00027979
	DWH ISM Audit Jun 2009	TRN-MDL-00027217 - TRN-MDL-00027237
	DWH Rig Hardware Assessment - 18-Apr-2010 -	TRN-HCEC-00090955 - TRN-HCEC-00090973
	Emergency Management Procedures Manual - HQS-HSE-PR-01	TRN-MDL-00149758 - TRN-MDL-00149808
	Fire and Equipment Inspections 2006 -	TRN-INV-01975535
	Fire Fighting Sytems Inspection 2002	TRN-INV-00101834
	Andrea Fleytas JIT testimony	
	Health and Safety Policies and Procedures - HQS-HSE-PP-01	
	Keplinger CG Testimony	
	Maintenance Procedures - HQS-OPS-PR-01	
	Marshall Islands - Safety Management Certificate - May 2007	TRN-MDL-00027980
	MBI Testimony - Bertone, Stephen	
	MI - Continuous Synopsis Record 17-Sep-2009	TRN-MDL-01101590 - TRN-MDL-01101592
	MI - DWH Annual Safety Inspection 07-Dec-2008	
	MI - DWH ASI Report 17-Dec-2009	
	MI - Minimum Safe Manning Certificate 17-Sep-2009	
	MI - Permanent Certificate of Registry 59-10 04-Mar-2010	
	Oil Spill Commission - Chief Counsel's Report	
	Personnel Locations - 2nd Deck - TRN-INV-00775600	TRN-INV-00775600
	Personnel Locations - 3rd Deck - TRN-INV-00775609	TRN-INV-00775609
	Personnel Locations - Drill Floor - TRN-INV-00775618	TRN-INV-00775618
	Personnel Locations - Main Deck - TRN-INV-00775581	TRN-INV-00775581
	Wartzila North America Subpoena Response to BP MDL PSC providing copies of materials provided to the Joint Investigative Team.	PSC-MDL2179014036 - PSC-MDL2179014074
	Wartzila North America Vasa 32 Project Guide	PSC-MDL2179014075 - PSC-MDL2179014199

Documents, Data and Information Considered

Exhibit No.	Description	Bates Number
	Reliability and Vulnerability Analysis of the Deepwater Horizon 2002 -	TO-DHTF-00273654
	Republic_of_the_Marshall_Islands_DEEPWATER_HORIZON_Marine_Casualty_Investigation_Report-Low_Resolution.	
	Sec 3_3-Fig1 (Driller's Workstation).jpg	
	Sec 3_5-Fig 10 (Sensors and Call Points Third Deck).jpg	
	Sec 3_5-Fig 11 (Alarm Indication Panels).jpg	
	Sec 3_5-Fig 12 (Hazardous Areas - Main Deck).jpg	
	Sec 3_5-Fig 13 (Hazardous Areas - Second Deck).jpg	
	Sec 3_5-Fig 14 (Hazardous Areas - Third Deck).jpg	
	Sec 3_5-Fig 15 (Hazardous Areas - Drill Floor and Derrick).jpg	
	Sec 3_5-Fig 16 (Ventilation Inlets and Exhaust Port Forward).jpg	
	Sec 3_5-Fig 16 (Ventilation Inlets and Exhaust Starboard Aft).jpg	
	Sec 3_5-Fig 6 (Rig Sensors and Call Points).jpg	
	Sec 3_5-Fig 7(Sensors and Call Points Drill Floor and Helideck).jpg	
	Sec 3_5-Fig 8 (Sensors and Call Points on Main Deck).jpg	
	Sec 3_5-Fig 9 (Sensor and Manual Call Points Second Deck).jpg	
	Sec 3_6-Fig1 (Muster Stations Second Deck).jpg	
	Sec 3_6-Fig2 (Evacuation Points).jpg	
	TOI Internal Investigation Report Vol 1	
	TOI Internal Investigation Report Vol 2	
	Total Safety Fire and Equipment Inspections 2007	TO-DHTF-00713111 - TO-DHTF-00713139
	Total Safety Fire and Equipment Inspections 2008	TO-DHTF-00713074 -
	Total Safety Fire and Equipment Inspections 2009	TO-DHTF-00713074
	Total Safety Fire and Equipment Inspections 2010	TO-DHTF-00713039
	USCG Certificate of Compliance 07-Jul-2009	
	Wartsila Engine Manual for Deepwater Horizon	TRN-INV-02508138.
	Wartzilla Information presented to Coast_Guard_Engines, Dampers, Rig Saver	TRN-INV-00854833
	International Convention for the Safety of Life at Sea (SOLAS Convention)	
	Code for the Construction and Equipment of Mobile Offshore Drilling Units, 1989 (1989 MODU Code)	
	International Safety Management Code - 2010 Edition	

Documents, Data and Information Considered

Exhibit No.	Description	Bates Number
	International Convention for the Prevention of Pollution from Ships (MARPOL Convention)	
	International Convention on Standards of Training, Certification and Watchkeeping for Seafarers (STCW Convention)	
	International Convention on Load Lines (Load Lines Convention)	
	33 C.F.R. Subchapter N	