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UNITED STATES DISTRICT COURT
EASTERN DISTRICT OF LOUISIANA

IN RE: OIL SPILL BY THE OIL RIG	*	Docket 10-MD-2179
DEEPWATER HORIZON IN THE	*	
GULF OF MEXICO ON APRIL 20, 2010	*	Section J
	*	
Applies to:	*	New Orleans, Louisiana
	*	
Docket 10-CV-02771,	*	April 15, 2013
IN RE: THE COMPLAINT AND	*	
PETITION OF TRITON ASSET	*	
LEASING GmbH, et al	*	
	*	
Docket 10-CV-4536,	*	
UNITED STATES OF AMERICA v.	*	
BP EXPLORATION & PRODUCTION,	*	
INC., et al	*	
	*	
* * * * *		

DAY 27, MORNING SESSION
TRANSCRIPT OF NONJURY TRIAL
BEFORE THE HONORABLE CARL J. BARBIER
UNITED STATES DISTRICT JUDGE

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18 computer-aided transcription software.

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I N D E X

Page

Alexander John Guide
Direct Examination By Ms. Karis: 8574

8 : 10 AM 1 THE DEPUTY CLERK: All rise.

8 : 10 AM 2 THE COURT: Good morning, every one.

8 : 11 AM 3 All right. Before we resume BP's case in chief,
8 : 11 AM 4 do we have any preliminary matters?

8 : 11 AM 5 MR. BRIAN: Yes, Your Honor. Brad Brian for
8 : 11 AM 6 Transocean.

8 : 11 AM 7 We've circulated a list of a single exhibit
8 : 11 AM 8 call-out that we wanted to offer on behalf of Transocean on our
8 : 11 AM 9 cross-examination of Lee Lambert. It's been distributed to
8 : 11 AM 10 counsel with no objections, so I would offer this exhibit to be
8 : 11 AM 11 admitted.

8 : 11 AM 12 THE COURT: All right. Without objection, those are
8 : 11 AM 13 admitted.

8 : 11 AM 14 MR. REGAN: Good morning, Your Honor. Matt Regan on
8 : 11 AM 15 behalf of BP.

8 : 11 AM 16 I have exhibits for four witnesses. They're the
8 : 11 AM 17 exhibits that were offered for Mr. Lambert, Mr. Lirette,
8 : 11 AM 18 Mr. Lewis, all last Wednesday, and then Mr. Zatarain on
8 : 11 AM 19 Thursday.

8 : 11 AM 20 THE COURT: Okay. Are there any remaining objections
8 : 11 AM 21 to these exhibits by BP?

8 : 11 AM 22 Hearing none, those are admitted.

8 : 11 AM 23 MR. REGAN: Thank you, Your Honor.

8 : 11 AM 24 THE COURT: Sure.

8 : 11 AM 25 MS. ANDRE: Good morning, Your Honor, Abby Andre for

8 : 12 AM 1 the United States.

8 : 12 AM 2 We have a list of exhibits and call-outs used
8 : 12 AM 3 during our cross-examination of Mr. Zatarain. We exchanged
8 : 12 AM 4 them with the parties, and there were no objections. We'd like
8 : 12 AM 5 it offer them into evidence.

8 : 12 AM 6 **THE COURT:** Are there any remaining objections to the
8 : 12 AM 7 United States' exhibits?

8 : 12 AM 8 Without objection, those are admitted.

8 : 12 AM 9 **MS. KARIS:** Good morning, Your Honor, Hariklia Karis
8 : 12 AM 10 on behalf of BP.

8 : 12 AM 11 I have a list of exhibits that we circulated for
8 : 12 AM 12 Mr. Shaw. We received no objections, so we would offer them to
8 : 12 AM 13 the Court at this time.

8 : 12 AM 14 **THE COURT:** Any remaining objections to BP's
8 : 12 AM 15 exhibits?

8 : 12 AM 16 Without objection, those are admitted.

8 : 12 AM 17 **MS. KARIS:** Thank you, Your Honor.

8 : 12 AM 18 **MR. IRPINO:** Good morning, Your Honor, Anthony Irpino
8 : 12 AM 19 for the PSC.

8 : 12 AM 20 I have two lists of exhibits, one in connection
8 : 12 AM 21 with the examination of Neil Shaw, the second in connection
8 : 12 AM 22 with the examination of Mr. Zatarain. We have sent both of
8 : 12 AM 23 those lists around to all of the parties. We have received no
8 : 12 AM 24 objections, so we offer, file, and introduce those documents
8 : 12 AM 25 and exhibits into evidence.

8 : 1 2 A M 1 THE COURT: All right. Any objections?

8 : 1 2 A M 2 Hearing none, those are admitted.

8 : 1 3 A M 3 MR. IRPINO: Thank you, Your Honor.

8 : 1 3 A M 4 THE COURT: Sure.

8 : 1 3 A M 5 MR. BROCK: Good morning, Your Honor, Mike Brock for

8 : 1 3 A M 6 BP.

8 : 1 3 A M 7 Just one administrative matter. I have -- BP

8 : 1 3 A M 8 has circulated its list of videotape that it intends to play

8 : 1 3 A M 9 during its case in chief. We, of course, have already played

8 : 1 3 A M 10 three tapes. And in the remaining portion of our case in

8 : 1 3 A M 11 chief, we will play the depositions of Mr. McMahan, Mr. Patton,

8 : 1 3 A M 12 Mr. Lindner, Mr. Garrison, and Mr. Gardner. There are no

8 : 1 3 A M 13 objections to those depositions, other than the Garrison and

8 : 1 3 A M 14 Gardner matter which the Court resolved late last week.

8 : 1 3 A M 15 The remaining witness that was on our list was

8 : 1 3 A M 16 Mr. Sabins, and we do not intend to play his tape. I think

8 : 1 3 A M 17 there was a letter brief filed late last night, but the Court

8 : 1 3 A M 18 need not address that issue. We will not play his tape.

8 : 1 3 A M 19 THE COURT: So that's moot?

8 : 1 3 A M 20 MR. BROCK: Yes, sir, that's moot.

8 : 1 3 A M 21 THE COURT: Okay. Very well.

8 : 1 4 A M 22 MS. KARIS: I'm back, Your Honor.

8 : 1 4 A M 23 THE COURT: Okay.

8 : 1 4 A M 24 MS. KARIS: I'm going to be conducting Mr. Guide's

8 : 1 4 A M 25 examination.

ALEXANDER JOHN GUIDE - DIRECT

8 : 1 4 A M 1 THE COURT: All right.

8 : 1 4 A M 2 MS. KARIS: BP calls Mr. Guide as our next witness.

8 : 1 4 A M 3 (WHEREUPON, ALEXANDER JOHN GUIDE, having been duly

8 : 1 4 A M 4 sworn, testified as follows.)

8 : 1 4 A M 5 THE DEPUTY CLERK: Please state your full name and

8 : 1 4 A M 6 correct spelling for the record.

8 : 1 4 A M 7 THE WITNESS: Alexander John Guide,

8 : 1 4 A M 8 A-L-E-X-A-N-D-E-R, J-O-H-N, G-U-I-D-E.

8 : 1 4 A M 9 MS. KARIS: May I proceed, Your Honor?

8 : 1 4 A M 10 THE COURT: Yes.

8 : 1 4 A M 11 MS. KARIS: Thank you.

8 : 1 4 A M 12 DIRECT EXAMINATION

8 : 1 4 A M 13 BY MS. KARIS:

8 : 1 4 A M 14 Q. Good morning, Mr. Guide.

8 : 1 4 A M 15 A. Good morning.

8 : 1 4 A M 16 Q. Which company do you currently work for?

8 : 1 4 A M 17 A. BP.

8 : 1 4 A M 18 Q. What position did you hold on April 20th of 2010?

8 : 1 4 A M 19 A. Wells team leader for the *Deepwater Horizon*.

8 : 1 4 A M 20 Q. And as the wells team leader for the *Deepwater Horizon*,

8 : 1 4 A M 21 were you the supervisor for the well site leaders who were

8 : 1 5 A M 22 actually on the rig?

8 : 1 5 A M 23 A. I was.

8 : 1 5 A M 24 Q. And how long did you hold that position?

8 : 1 5 A M 25 A. Three years.

ALEXANDER JOHN GUIDE - DIRECT

8 : 1 5 A M 1 Q. Okay. And we're going to go back to your job as the wells
8 : 1 5 A M 2 team leader, but before we do that, I'd like to talk a little
8 : 1 5 A M 3 bit about your background.
8 : 1 5 A M 4 Can you tell the Court, where did you grow up?
8 : 1 5 A M 5 A. Pittsburgh, Pennsylvania.
8 : 1 5 A M 6 THE COURT: Excuse me, one second.
8 : 1 5 A M 7 (Discussion off the record.)
8 : 1 5 A M 8 MS. KARIS: May I continue?
8 : 1 5 A M 9 THE COURT: Yes, go ahead.
8 : 1 5 A M 10 BY MS. KARIS:
8 : 1 5 A M 11 Q. Do you have any college degrees, Mr. Guide?
8 : 1 5 A M 12 A. Yes.
8 : 1 5 A M 13 Q. Can you tell us what degrees you have.
8 : 1 5 A M 14 A. I have a Bachelor of Science in chemical engineering with
8 : 1 5 A M 15 a petroleum option.
8 : 1 5 A M 16 Q. And what do you mean by having a "petroleum option"?
8 : 1 6 A M 17 A. In addition to my chemical engineering degree, I took six
8 : 1 6 A M 18 courses in petroleum engineering.
8 : 1 6 A M 19 Q. When did you obtain your degree?
8 : 1 6 A M 20 A. 1980.
8 : 1 6 A M 21 Q. All right. And what did you do upon graduating with a
8 : 1 6 A M 22 degree in 1980?
8 : 1 6 A M 23 A. I went to work for Texaco in Morgan City, Louisiana.
8 : 1 6 A M 24 Q. And since you've graduated in 1980, have you remained in
8 : 1 6 A M 25 the oil and gas industry the entire time up through today?

ALEXANDER JOHN GUIDE - DIRECT

8 : 16 AM 1 A. Yes.

8 : 16 AM 2 Q. All right. And I'll -- let's talk about some of the jobs
8 : 16 AM 3 that you've held in the past 30-plus years. First of all, can
8 : 16 AM 4 you tell the Court, what was your first job after graduating
8 : 16 AM 5 with a degree in engineering?

8 : 16 AM 6 A. I worked on a production platform in the Tiger Shoal field
8 : 16 AM 7 in south Louisiana.

8 : 16 AM 8 Q. And what were some of your duties?

8 : 16 AM 9 A. Well testing, mainly.

8 : 16 AM 10 Q. How long did you remain in that position?

8 : 16 AM 11 A. For the first six months, sort of training.

8 : 16 AM 12 Q. Okay. And then how long did you remain in -- with Texaco
8 : 16 AM 13 in Morgan City, Louisiana?

8 : 16 AM 14 A. Five years.

8 : 16 AM 15 Q. All right. And what did you do next? Can you walk us
8 : 17 AM 16 through your employment history.

8 : 17 AM 17 A. Yes. So at Texaco, I was a production engineer,
8 : 17 AM 18 completion engineer, and then a drilling engineer. That was
8 : 17 AM 19 for the first five years.

8 : 17 AM 20 Q. So you worked for Texaco for the first five years of your
8 : 17 AM 21 career in a variety of different engineering-related positions?

8 : 17 AM 22 A. Yes.

8 : 17 AM 23 Q. Then what did you do?

8 : 17 AM 24 A. Then I worked for Conoco as a drilling engineer and a well
8 : 17 AM 25 site leader.

ALEXANDER JOHN GUIDE - DIRECT

8 : 17 AM 1 Q. Where were you based when you worked for Conoco?

8 : 17 AM 2 A. Lafayette, Louisiana.

8 : 17 AM 3 Q. Okay. And you said you were a drilling engineer. Did

8 : 17 AM 4 that mean you were working on designing engineering plans for

8 : 17 AM 5 wells?

8 : 17 AM 6 A. Yes.

8 : 17 AM 7 Q. Okay. And was that offshore drilling as well as onshore

8 : 17 AM 8 drilling?

8 : 17 AM 9 A. Yes, both.

8 : 17 AM 10 Q. Okay. And then what did you do after working for Conoco

8 : 17 AM 11 as a drilling engineer?

8 : 17 AM 12 A. Well, I actually went from Lafayette, with Conoco, to the

8 : 17 AM 13 Middle East. And I worked for a Conoco affiliate called Dubai

8 : 18 AM 14 Petroleum Company for -- from '88 to '91, where I also was a

8 : 18 AM 15 drilling engineer and a drilling well site leader.

8 : 18 AM 16 Q. And was that also for offshore?

8 : 18 AM 17 A. Yes.

8 : 18 AM 18 Q. Okay. And how long did you remain with Conoco in Dubai?

8 : 18 AM 19 A. Three years.

8 : 18 AM 20 Q. And after finishing your duties in Dubai in offshore

8 : 18 AM 21 drilling, what did you do next?

8 : 18 AM 22 A. I went to work for a small independent oil company in --

8 : 18 AM 23 oil and gas company in Pittsburgh as their chief engineer. And

8 : 18 AM 24 in that, I did all the different engineering. I did the

8 : 18 AM 25 reservoir engineering, the drilling engineering completions,

ALEXANDER JOHN GUIDE - DIRECT

8 : 18 AM 1 went to the field and fracked wells, acquisitions. We bought
8 : 18 AM 2 fields, sold fields.

8 : 18 AM 3 Q. And did that involve offshore work as well?

8 : 18 AM 4 A. That did not.

8 : 18 AM 5 Q. Did not.

8 : 18 AM 6 Okay. And then what did you do after you worked for
8 : 18 AM 7 Meridian?

8 : 18 AM 8 A. I went to work for Vastar back in Lafayette, Louisiana.

8 : 18 AM 9 Q. How long did you remain in Lafayette with Vastar?

8 : 18 AM 10 A. Until 2000.

8 : 18 AM 11 Q. And tell us what you were doing with Vastar in Lafayette,
8 : 19 AM 12 Louisiana.

8 : 19 AM 13 A. I had two different positions. One was -- I was called
8 : 19 AM 14 the principal drilling engineer where I was in charge of all
8 : 19 AM 15 the drilling operations in the South Pass 60 field. After
8 : 19 AM 16 that, I was called the principal production engineer of wells
8 : 19 AM 17 in charge of all the completions workover in the production for
8 : 19 AM 18 the eight different platforms in the Gulf of Mexico, in the
8 : 19 AM 19 South Pass field.

8 : 19 AM 20 Q. Okay. And then what did you do in 2000?

8 : 19 AM 21 A. I transferred to Houston with Vastar as the lead drilling
8 : 19 AM 22 engineer for the Horn Mountain deepwater development, which is
8 : 19 AM 23 in the Mississippi Canyon 127. And that's when Vastar was
8 : 19 AM 24 purchased by BP.

8 : 19 AM 25 Q. Can you describe for the Court briefly, what is the

ALEXANDER JOHN GUIDE - DIRECT

8 : 1 9 A M 1 Horn Mountain project?

8 : 1 9 A M 2 A. A deepwater development, once again, Mississippi Canyon,

8 : 1 9 A M 3 127, in 5500 feet of water. It's about 50 miles off the coast.

8 : 2 0 A M 4 Q. Okay. And you said you were the lead drilling engineer.

8 : 2 0 A M 5 And what were your responsibilities as the lead drilling

8 : 2 0 A M 6 engineer for the Horn Mountain development?

8 : 2 0 A M 7 A. I designed all the wells in the field, from the drilling

8 : 2 0 A M 8 aspect as well as was in charge of building of a rig that was

8 : 2 0 A M 9 going to go on the platform after the semi left.

8 : 2 0 A M 10 So if I could explain. The field was drilled with a

8 : 2 0 A M 11 semisubmersible rig, and then the platform was set. And then

8 : 2 0 A M 12 after the platform was set, there was a smaller rig put on the

8 : 2 0 A M 13 platform. I was in charge of the building of the rig and,

8 : 2 0 A M 14 consequently, tying all the wells back from the floor to the

8 : 2 0 A M 15 platform.

8 : 2 0 A M 16 Q. So were you working on well design at that point?

8 : 2 0 A M 17 A. Yes.

8 : 2 0 A M 18 Q. And how long did you remain in that position as the lead

8 : 2 0 A M 19 drilling engineer for the Horn Mountain development?

8 : 2 0 A M 20 A. Three years.

8 : 2 0 A M 21 Q. What did you do then, which takes us to approximately

8 : 2 0 A M 22 2003?

8 : 2 0 A M 23 A. I went to the Mad Dog development, which is also a

8 : 2 1 A M 24 deepwater development in Green Canyon, southern Green Canyon,

8 : 2 1 A M 25 part of the Gulf of Mexico, where I was the -- monitored the

ALEXANDER JOHN GUIDE - DIRECT

8 : 2 1 A M 1 finishing of the rig there, building for the platform. And
8 : 2 1 A M 2 then I was the drilling superintendent for the development.
8 : 2 1 A M 3 Q. Okay. And what are the -- when you say "drilling
8 : 2 1 A M 4 superintendent," is that the same thing as a well team leader,
8 : 2 1 A M 5 just a different title?
8 : 2 1 A M 6 A. Yes, it is.
8 : 2 1 A M 7 Q. All right. So what did you do as the drilling
8 : 2 1 A M 8 superintendent for the Mad Dog project?
8 : 2 1 A M 9 A. We implemented the drilling and completion plans that the
8 : 2 1 A M 10 engineering department provided to us.
8 : 2 1 A M 11 Q. So did you have a similar role and responsibility for the
8 : 2 1 A M 12 Mad Dog project with what you had in connection with the
8 : 2 1 A M 13 Macondo project?
8 : 2 1 A M 14 A. Yes.
8 : 2 1 A M 15 Q. And, again, was the Mad Dog project a deepwater well
8 : 2 1 A M 16 similar to the Macondo project?
8 : 2 1 A M 17 A. Yes.
8 : 2 1 A M 18 Q. Okay. What did you do then, after you completed your work
8 : 2 2 A M 19 with the Mad Dog project?
8 : 2 2 A M 20 A. Well, while I was a drilling superintendent for Mad Dog, I
8 : 2 2 A M 21 also was assigned to be the drilling superintendent for
8 : 2 2 A M 22 Holstein, another deepwater development in Green Canyon. They
8 : 2 2 A M 23 were only about 13 miles apart, so it made sense.
8 : 2 2 A M 24 So first I was the drilling superintendent for both
8 : 2 2 A M 25 of these developments. Then after that, in September of 2007,

ALEXANDER JOHN GUIDE - DIRECT

8 : 2 2 A M 1 I became the wells team leader for the *Deepwater Horizon*.

8 : 2 2 A M 2 Q. So you were the wells team leader for the

8 : 2 2 A M 3 *Deepwater Horizon* from October of 2007?

8 : 2 2 A M 4 A. The end of September.

8 : 2 2 A M 5 Q. I'm sorry. September of 2007.

8 : 2 2 A M 6 And did you remain in the position of drilling
8 : 2 2 A M 7 superintendent or wells team leader for the *Deepwater Horizon*
8 : 2 2 A M 8 from 2007 through the time of the incident in April of 2010?

8 : 2 2 A M 9 A. Yes.

8 : 2 2 A M 10 Q. So by the time of this incident, you had been working with
8 : 2 2 A M 11 the *Deepwater Horizon* for a three-year period?

8 : 2 2 A M 12 A. Yes.

8 : 2 2 A M 13 MS.KARIS: All right. And if we could pull up
8 : 2 3 A M 14 D-4941, please.

8 : 2 3 A M 15 BY MS.KARIS:

8 : 2 3 A M 16 Q. Mr. Guide, does this describe -- I'm sorry. I'll let you
8 : 2 3 A M 17 get your glasses there.

8 : 2 3 A M 18 A. Yes.

8 : 2 3 A M 19 Q. Does this accurately describe the experience that you had
8 : 2 3 A M 20 had in the oil and gas industry from the time that you
8 : 2 3 A M 21 graduated up through the time of the incident, 33 years of
8 : 2 3 A M 22 experience in the industry with working for a variety of
8 : 2 3 A M 23 companies, three companies, drilled over 35 to 40 wells? Is
8 : 2 3 A M 24 that accurate?

8 : 2 3 A M 25 A. Well, that would be just deepwater wells alone.

ALEXANDER JOHN GUIDE - DIRECT

8 : 2 3 A M 1 Q. Deepwater wells alone?

8 : 2 3 A M 2 A. Yes.

8 : 2 3 A M 3 Q. And then you have 20 -- of those 33 years, 23 years has

8 : 2 3 A M 4 been spent either in drilling completions, production, or

8 : 2 3 A M 5 workover work?

8 : 2 3 A M 6 A. Yes.

8 : 2 3 A M 7 Q. All right. And then specifically with respect to

8 : 2 3 A M 8 operations, you've had ten years of experience?

8 : 2 3 A M 9 A. Yes.

8 : 2 3 A M 10 Q. And seven of those years have been in the Gulf of Mexico

8 : 2 3 A M 11 as a drilling superintendent or wells team leader, same

8 : 2 3 A M 12 position?

8 : 2 3 A M 13 A. Yes.

8 : 2 3 A M 14 Q. And then three of those years, as we just said, were

8 : 2 4 A M 15 specific to the *Deepwater Horizon*?

8 : 2 4 A M 16 A. Yes.

8 : 2 4 A M 17 Q. So at the time of this incident, you had 33 years of

8 : 2 4 A M 18 experience in the industry?

8 : 2 4 A M 19 A. 30.

8 : 2 4 A M 20 Q. 30, I'm sorry. This takes us up to date.

8 : 2 4 A M 21 A. Yes.

8 : 2 4 A M 22 Q. Thank you.

8 : 2 4 A M 23 MS. KARIS: We can take that down, please. Thanks.

8 : 2 4 A M 24 BY MS. KARIS:

8 : 2 4 A M 25 Q. Now, I'd like to discuss with you some of your

ALEXANDER JOHN GUIDE - DIRECT

8 : 2 4 A M 1 responsibilities as the wells team leader for the
8 : 2 4 A M 2 *Deepwater Horizon*. Could you describe for the Court what that
8 : 2 4 A M 3 position entailed.
8 : 2 4 A M 4 A. It was the operations portion of the process. The
8 : 2 4 A M 5 drilling engineering team would develop a plan, and they would
8 : 2 4 A M 6 hand it over to the operations team, which is what the wells
8 : 2 4 A M 7 team leader ran, and then we would implement their plan.
8 : 2 4 A M 8 Q. So the drilling engineering team would design the plan and
8 : 2 4 A M 9 then your team would execute the implementation of that plan;
8 : 2 5 A M 10 is that a fair description?
8 : 2 5 A M 11 A. Yes.
8 : 2 5 A M 12 Q. Okay. And you said the well site leaders reported to you?
8 : 2 5 A M 13 A. Yes, they did.
8 : 2 5 A M 14 Q. Tell us what your relationship with the well site leaders
8 : 2 5 A M 15 was; that is, what were your responsibilities with respect to
8 : 2 5 A M 16 the well site leaders?
8 : 2 5 A M 17 A. Well, I was their office liaison. I was their -- the
8 : 2 5 A M 18 person that, you know, gave them the direction of what they,
8 : 2 5 A M 19 you know, what they needed to do. But, really, I was really
8 : 2 5 A M 20 there just to make their job easier, is what it was.
8 : 2 5 A M 21 Q. So the well site leaders, were they onshore or offshore?
8 : 2 5 A M 22 A. They were offshore.
8 : 2 5 A M 23 Q. And your position, was that onshore or offshore?
8 : 2 5 A M 24 A. It was onshore.
8 : 2 5 A M 25 Q. So you were onshore and they worked offshore on the rigs?

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8 : 2 5 A M 1 A. Yes.

8 : 2 5 A M 2 Q. Now, as a wells team leader, do you have primary

8 : 2 5 A M 3 responsibility for designing the well or making engineering

8 : 2 5 A M 4 design decisions?

8 : 2 5 A M 5 A. No.

8 : 2 5 A M 6 Q. Okay. Which team does the engineering design decisions?

8 : 2 6 A M 7 A. The engineering team.

8 : 2 6 A M 8 Q. Now, as -- in your capacity, though, as the wells team

8 : 2 6 A M 9 leader, do you have any role in the engineering process?

8 : 2 6 A M 10 A. Not the actual process, but I gave input, you know.

8 : 2 6 A M 11 Q. And tell the Court how that works. As a wells team

8 : 2 6 A M 12 leader, how do you provide input to the drilling engineers as

8 : 2 6 A M 13 you're executing the design plan that has been put together by

8 : 2 6 A M 14 that team?

8 : 2 6 A M 15 A. So they have a -- through all BP, there's a certain

8 : 2 6 A M 16 process that's followed to design a well. And then once the

8 : 2 6 A M 17 well is designed, the drilling team -- I'm sorry, the drilling

8 : 2 6 A M 18 engineering team and all the third-party contractors come

8 : 2 6 A M 19 together with myself. And then we -- they basically implement

8 : 2 6 A M 20 the plan step-by-step together.

8 : 2 6 A M 21 Q. Now, the drilling process has been described by some as a

8 : 2 6 A M 22 "team effort." In your experience in the industry, do you

8 : 2 6 A M 23 agree with that statement?

8 : 2 6 A M 24 A. Yes.

8 : 2 6 A M 25 Q. Okay. And why do you agree with the statement that the

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8 : 2 7 A M 1 drilling process is a team effort?

8 : 2 7 A M 2 A. I don't think you could do it if it wasn't.

8 : 2 7 A M 3 Q. And what do you mean by that?

8 : 2 7 A M 4 A. It's -- wells are -- they're challenging, they're

8 : 2 7 A M 5 complicated, and there's just so many pieces -- so many pieces

8 : 2 7 A M 6 to it. It would not be possible for one person or even one

8 : 2 7 A M 7 group to do it. I mean, you're talking 250 people to actually

8 : 2 7 A M 8 drill one well.

8 : 2 7 A M 9 Q. And do you rely on a variety of different contractors as

8 : 2 7 A M 10 part of that team effort?

8 : 2 7 A M 11 A. Yes.

8 : 2 7 A M 12 Q. All right.

8 : 2 7 A M 13 MS. KARIS: If we could look up -- I'm sorry, put up

8 : 2 7 A M 14 D-4316, please.

8 : 2 7 A M 15 BY MS. KARIS:

8 : 2 7 A M 16 Q. This is a chart of the breakdown of the employees who were

8 : 2 7 A M 17 on the *Deepwater Horizon* on the day of the incident. And on

8 : 2 7 A M 18 the right-hand column there, there are a variety of different

8 : 2 7 A M 19 contractors, including Transocean, BP, M-I SWACO, Oceaneering,

8 : 2 8 A M 20 Weatherford, Dril-Quip, and a variety of others. Is this

8 : 2 8 A M 21 typical in drilling a deepwater well to have a number of

8 : 2 8 A M 22 contractors, such as what -- the folks that were on the *Horizon*

8 : 2 8 A M 23 on April 20th of 2010?

8 : 2 8 A M 24 A. Yes.

8 : 2 8 A M 25 Q. Is there anything unusual or atypical about having a

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8 : 2 8 A M 1 number of these contractors involved in the execution of the
8 : 2 8 A M 2 well design?
8 : 2 8 A M 3 A. No.
8 : 2 8 A M 4 Q. All right. I'd like to talk to you about some of the
8 : 2 8 A M 5 members of your team and the Macondo wells team in particular.
8 : 2 8 A M 6 MS. KARIS: If we could put up D-4800, please.
8 : 2 8 A M 7 BY MS. KARIS:
8 : 2 8 A M 8 Q. D-4800 is entitled the "Macondo Drilling Team for
8 : 2 8 A M 9 April 20th of 2010." And since you worked with these folks,
8 : 2 8 A M 10 I'd like to have an opportunity to speak with you about some of
8 : 2 8 A M 11 them.
8 : 2 8 A M 12 First of all, does this accurately reflect the
8 : 2 8 A M 13 organization of the folks who worked in some capacity on the
8 : 2 8 A M 14 Macondo well team?
8 : 2 8 A M 15 A. Yes.
8 : 2 8 A M 16 Q. Okay. We're going to start down here with the well site
8 : 2 9 A M 17 leaders. These are the folks that reported to you; correct?
8 : 2 9 A M 18 A. Yes.
8 : 2 9 A M 19 Q. And then Mr. Cocalles, the senior operations engineer, also
8 : 2 9 A M 20 reported to you?
8 : 2 9 A M 21 A. Yes.
8 : 2 9 A M 22 Q. All right. We're going to walk through some of their
8 : 2 9 A M 23 functions in a second. But, first of all, the Court has heard
8 : 2 9 A M 24 from Mr. Ronnie Sepulvado. And then is Murry Sepulvado his
8 : 2 9 A M 25 brother?

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8 : 2 9 A M 1 A. Yes.

8 : 2 9 A M 2 Q. Do they both work for you?

8 : 2 9 A M 3 A. Yes.

8 : 2 9 A M 4 Q. Tell us how long you have known the Sepulvado brothers and
8 : 2 9 A M 5 how long they have worked for you.

8 : 2 9 A M 6 A. I first worked with Ronnie and Murry starting in 2000 when
8 : 2 9 A M 7 we drilled all the wells at the Horn Mountain development.

8 : 2 9 A M 8 Q. Okay. So you had known them at least a decade by the time
8 : 2 9 A M 9 of the incident?

8 : 2 9 A M 10 A. Yes.

8 : 2 9 A M 11 Q. And then Mr. Vidrine is listed here, Don Vidrine. How
8 : 2 9 A M 12 long had you worked with Don Vidrine?

8 : 2 9 A M 13 A. Since January of 2010. I knew him before, but he had
8 : 2 9 A M 14 worked for other -- other well team leaders.

8 : 3 0 A M 15 Q. Okay. So he came to work with you in January of 2010?

8 : 3 0 A M 16 A. Yes.

8 : 3 0 A M 17 Q. How did Mr. Vidrine get added to your team? Did somebody
8 : 3 0 A M 18 recommend him to you?

8 : 3 0 A M 19 A. Yes. He wanted to do something different. He was on a
8 : 3 0 A M 20 development -- as in a development project as opposed to an
8 : 3 0 A M 21 exploration program. And he wanted to get into exploration.
8 : 3 0 A M 22 And so he was recommended.

8 : 3 0 A M 23 Q. Okay. And then Earl Lee, is he the fourth well site
8 : 3 0 A M 24 leader assigned to your team?

8 : 3 0 A M 25 A. Yes.

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8 : 3 0 A M 1 Q. How would you describe your relationship, your overall
8 : 3 0 A M 2 relationship, with the team that reported to you?
8 : 3 0 A M 3 A. I think it was great.
8 : 3 0 A M 4 Q. Okay. And then we have here Mr. Cocalles. His title was
8 : 3 0 A M 5 senior operations engineer. Can you tell us what the role of a
8 : 3 0 A M 6 senior operations engineer is who reported to you?
8 : 3 0 A M 7 A. He really was our main liaison with the other drilling
8 : 3 1 A M 8 engineers. Every rig is different in some way or fashion, and
8 : 3 1 A M 9 he would be sort of the *Deepwater Horizon* representative
8 : 3 1 A M 10 whenever they were doing the design process for the wells, for
8 : 3 1 A M 11 the whole BTB process.
8 : 3 1 A M 12 Q. How long had you worked with Mr. Cocalles?
8 : 3 1 A M 13 A. A couple years.
8 : 3 1 A M 14 Q. Okay. And how would you describe your relationship with
8 : 3 1 A M 15 Mr. Cocalles?
8 : 3 1 A M 16 A. It was very good.
8 : 3 1 A M 17 Q. Okay. And then going up, again, this is the operations
8 : 3 1 A M 18 side of the Macondo wells team; is that correct?
8 : 3 1 A M 19 A. Yes.
8 : 3 1 A M 20 Q. By "this," I mean on the left-hand side.
8 : 3 1 A M 21 A. Yes.
8 : 3 1 A M 22 Q. All right. And then you reported to Mr. Sims, who was the
8 : 3 1 A M 23 D & C operations manager for exploration and appraisal;
8 : 3 1 A M 24 correct?
8 : 3 1 A M 25 A. That's right.

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8 : 3 1 A M 1 Q. All right.

8 : 3 1 A M 2 How long had you worked with Mr. Sims?

8 : 3 1 A M 3 A. I first started working -- I actually started working for

8 : 3 2 A M 4 Mr. Sims in September of 2007.

8 : 3 2 A M 5 Q. Okay. And how long have you known Mr. Sims?

8 : 3 2 A M 6 A. Since 1997.

8 : 3 2 A M 7 Q. And you said you worked for him in September of 2007. In

8 : 3 2 A M 8 what capacity did you work for him?

8 : 3 2 A M 9 A. Whenever I joined the *Deepwater Horizon* team, the names

8 : 3 2 A M 10 were different, but he was what was called the wells program

8 : 3 2 A M 11 manager and I was a drilling superintendent.

8 : 3 2 A M 12 Q. Okay. And then did Mr. Sims subsequently move to a

8 : 3 2 A M 13 different role and then come back to being your boss here as

8 : 3 2 A M 14 the operations manager?

8 : 3 2 A M 15 A. That's correct.

8 : 3 2 A M 16 Q. How would you describe your relationship with Mr. Sims?

8 : 3 2 A M 17 A. It was very good. He was my friend.

8 : 3 2 A M 18 Q. Okay. So you had a friendship with Mr. Sims as well as

8 : 3 2 A M 19 him being your boss?

8 : 3 2 A M 20 A. Yes. We were friends.

8 : 3 2 A M 21 Q. Okay. Now, Mr. Kaluza is one of the well site leaders

8 : 3 2 A M 22 that is not on this list but was on the *Deepwater Horizon* on

8 : 3 3 A M 23 the evening of the incident; correct?

8 : 3 3 A M 24 A. That's correct.

8 : 3 3 A M 25 Q. Okay. Had you known Mr. Kaluza prior to him going to the

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8 : 3 3 A M 1 *Deepwater Horizon?*

8 : 3 3 A M 2 A. Well, I knew of him.

8 : 3 3 A M 3 Q. Had he ever worked with you?

8 : 3 3 A M 4 A. No.

8 : 3 3 A M 5 Q. And then Mr. Lambert, he was the well site leader trainee

8 : 3 3 A M 6 which the Court heard from -- who the Court heard from last

8 : 3 3 A M 7 week. He was on the rig on the evening of the 20th as well;

8 : 3 3 A M 8 correct?

8 : 3 3 A M 9 A. Yes.

8 : 3 3 A M 10 Q. And can you tell us how you knew of Mr. Lambert?

8 : 3 3 A M 11 A. He was -- he was part of the Well Site Leader of the

8 : 3 3 A M 12 Future Program, and he was assigned. They -- you know, they --

8 : 3 3 A M 13 I knew the guy that ran the program. His name was

8 : 3 3 A M 14 Martin Breazeale and he assigned the Well Site Leaders of the

8 : 3 3 A M 15 Future to different operations.

8 : 3 3 A M 16 Q. And so he was then assigned to the *Deepwater Horizon* and

8 : 3 3 A M 17 to your team?

8 : 3 3 A M 18 A. Yes.

8 : 3 3 A M 19 Q. Now, we've covered some of the folks on the operations

8 : 3 4 A M 20 side here of the Macondo well team. I'd like to now go to some

8 : 3 4 A M 21 of the engineering folks. And was this the drilling

8 : 3 4 A M 22 engineering team who was assigned as to the Macondo well?

8 : 3 4 A M 23 A. Yes.

8 : 3 4 A M 24 Q. Now, your -- when did your team, the *Deepwater Horizon*

8 : 3 4 A M 25 team, join the operations at the Macondo well?

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8 : 3 4 A M 1 A. The *Marianas* actually -- I'm sorry, the Transocean
8 : 3 4 A M 2 *Marianas* rig started the well. And then we -- we joined it in
8 : 3 4 A M 3 February of 2010 at a certain casing point.

8 : 3 4 A M 4 Q. Now, that's the operations team.

8 : 3 4 A M 5 The engineering team, do you know when they joined
8 : 3 4 A M 6 the Macondo wells team?

8 : 3 4 A M 7 A. Yes. They actually -- these folks actually planned the
8 : 3 4 A M 8 well that the *Marianas* started. So they would have started
8 : 3 4 A M 9 in -- on Macondo in February of 2009, February/March of 2009.

8 : 3 5 A M 10 Q. So while the operations team changed out, the drilling
8 : 3 5 A M 11 engineering team remained with the Macondo well from the
8 : 3 5 A M 12 beginning through April 20th; is that accurate?

8 : 3 5 A M 13 A. That's correct.

8 : 3 5 A M 14 Q. Okay. And is that typical for a well; that is, the
8 : 3 5 A M 15 engineering team remains with the well even if the rig team, if
8 : 3 5 A M 16 you will, changes out?

8 : 3 5 A M 17 A. That's correct.

8 : 3 5 A M 18 Q. Why is that?

8 : 3 5 A M 19 A. It's for continuity.

8 : 3 5 A M 20 Q. Okay. Let's talk about some of the folks here on the
8 : 3 5 A M 21 engineering team. Let's start first with Mr. Hafle.

8 : 3 5 A M 22 Was he the senior drilling engineer for the Macondo
8 : 3 5 A M 23 project?

8 : 3 5 A M 24 A. Yes.

8 : 3 5 A M 25 Q. Do you know Mr. Hafle prior to Macondo?

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8 : 3 5 A M 1 A. I did.

8 : 3 5 A M 2 Q. Tell us how you knew Mr. Hafle.

8 : 3 5 A M 3 A. He was one of the engineers in the E & A group, a very

8 : 3 5 A M 4 good engineer. And I drilled -- we drilled a well called

8 : 3 5 A M 5 Puma --

8 : 3 5 A M 6 Q. Do you know how long -- I'm sorry. Go ahead. I didn't

8 : 3 5 A M 7 mean to interrupt you.

8 : 3 5 A M 8 A. (No audible response.)

8 : 3 6 A M 9 Q. Do you know approximately how long Mr. Hafle had been a

8 : 3 6 A M 10 drilling engineer?

8 : 3 6 A M 11 A. 20 years or so.

8 : 3 6 A M 12 Q. And then Mr. Morel was also a drilling engineer assigned

8 : 3 6 A M 13 to this project?

8 : 3 6 A M 14 A. Yes.

8 : 3 6 A M 15 Q. Did you know Brian?

8 : 3 6 A M 16 A. I did.

8 : 3 6 A M 17 Q. Tell us how you knew Brian.

8 : 3 6 A M 18 A. Brian started in the -- as a trainee engineer, which was

8 : 3 6 A M 19 called the Challenge Engineering program. When I was the

8 : 3 6 A M 20 drilling superintendent for Mad Dog, he was assigned to our

8 : 3 6 A M 21 group.

8 : 3 6 A M 22 Q. And so you had worked with Mr. Morel back when he started

8 : 3 6 A M 23 the Challenger program?

8 : 3 6 A M 24 A. Yes, I did.

8 : 3 6 A M 25 Q. What is the Challenger program?

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8 : 3 6 A M 1 A. It's a regimented program that lasts three years where you
8 : 3 6 A M 2 go through certain specific development modules that you have
8 : 3 6 A M 3 to actually take tests and pass. And then once you -- once you
8 : 3 6 A M 4 do all the training and pass all the modules, then you would be
8 : 3 6 A M 5 classified as a regular engineer.

8 : 3 6 A M 6 Q. So it's a training program where you go through different
8 : 3 6 A M 7 training steps before you become a regular drilling engineer;
8 : 3 7 A M 8 is that accurate?

8 : 3 7 A M 9 A. Yes, that's correct.

8 : 3 7 A M 10 Q. And by the time Mr. Morel worked on the Macondo project,
8 : 3 7 A M 11 had he finished or completed that Challenger program?

8 : 3 7 A M 12 A. Yes, he did.

8 : 3 7 A M 13 Q. Now, Mr. Hafle and Mr. Morel reported up to Greg Walz, who
8 : 3 7 A M 14 was the drilling engineering team leader; correct?

8 : 3 7 A M 15 A. That's correct.

8 : 3 7 A M 16 Q. First of all, tell us, did you know Mr. Walz?

8 : 3 7 A M 17 A. Yes.

8 : 3 7 A M 18 Q. Okay. How long had Mr. Walz been with this team?

8 : 3 7 A M 19 A. Since March of 2010.

8 : 3 7 A M 20 Q. Okay. So Mr. Walz was relatively new to this team?

8 : 3 7 A M 21 A. Yes.

8 : 3 7 A M 22 Q. Okay. Did you know Mr. Walz prior to him joining the
8 : 3 7 A M 23 Macondo team?

8 : 3 7 A M 24 A. Yes. I knew -- I met Greg in 2000.

8 : 3 7 A M 25 Q. Had you ever worked with him prior to the Macondo team?

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8 : 3 7 A M 1 A. No.

8 : 3 7 A M 2 Q. Now, you've described the various members of this team --

8 : 3 7 A M 3 I'm sorry, we skipped Mr. Sprague. He's the drilling

8 : 3 7 A M 4 engineering manager. Can you tell us what Mr. Sprague's

8 : 3 8 A M 5 responsibilities would have been as the drilling engineering

8 : 3 8 A M 6 manager?

8 : 3 8 A M 7 A. So there were various groups in the Gulf of Mexico that

8 : 3 8 A M 8 had drilling engineering team leaders, like there was

8 : 3 8 A M 9 Thunder Horse, Atlantis, different developments. And then

8 : 3 8 A M 10 E & A was another one. Mr. Sprague was in charge of drilling

8 : 3 8 A M 11 engineering for all the groups. So he was -- so, in essence,

8 : 3 8 A M 12 he was the head drilling engineer for BP in the Gulf of Mexico.

8 : 3 8 A M 13 Q. Okay. And then they all reported up to Mr. O'Bryan;

8 : 3 8 A M 14 correct?

8 : 3 8 A M 15 A. Yes.

8 : 3 8 A M 16 Q. And then Mr. O'Bryan would have reported up to the

8 : 3 8 A M 17 strategic performance unit leader, who at the time was

8 : 3 8 A M 18 Mr. James Dupree; correct?

8 : 3 8 A M 19 A. That's correct.

8 : 3 8 A M 20 Q. All right. Now, based on years of experience that you had

8 : 3 8 A M 21 with a variety of these team member, how would you describe the

8 : 3 8 A M 22 drilling engineers' and the well site leaders' attitude towards

8 : 3 8 A M 23 safety?

8 : 3 9 A M 24 A. It was a top priority.

8 : 3 9 A M 25 Q. Okay. And what gave you the impression that safety was

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8 : 3 9 A M 1 their top priority?

8 : 3 9 A M 2 A. It was instilled in everybody. It was an obvious thing

8 : 3 9 A M 3 that safety was the utmost importance. Plus, it was -- it was

8 : 3 9 A M 4 just part of the process. The processes that we had in place

8 : 3 9 A M 5 always took safety into account.

8 : 3 9 A M 6 Q. Did any of their actions at any time that you worked with

8 : 3 9 A M 7 them -- with any of them indicate to you that they were

8 : 3 9 A M 8 indifferent to the consequences of their actions?

8 : 3 9 A M 9 A. No.

8 : 3 9 A M 10 Q. Did any of them ever give you the impression that they

8 : 3 9 A M 11 were not concerned about the safety and well being of

8 : 3 9 A M 12 themselves as well as the others who were associated with this

8 : 3 9 A M 13 project?

8 : 3 9 A M 14 A. No.

8 : 3 9 A M 15 Q. We've talked about the BP team that worked on the Macondo

8 : 3 9 A M 16 well. Now I'd like to ask you a little bit about the

8 : 3 9 A M 17 Transocean team that worked on the Macondo well.

8 : 3 9 A M 18 Did you have an opportunity to interact with

8 : 4 0 A M 19 Transocean's crew who worked on the Macondo well once the

8 : 4 0 A M 20 *Deepwater Horizon* arrived in late January or early February of

8 : 4 0 A M 21 2010?

8 : 4 0 A M 22 A. I did.

8 : 4 0 A M 23 Q. Okay. And did you know that crew from your prior

8 : 4 0 A M 24 involvement with them the three years that you had been the

8 : 4 0 A M 25 drilling superintendent or wells team leader for that team?

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8 : 4 0 A M 1 A. I did.

8 : 4 0 A M 2 Q. And did you have confidence in the Transocean personnel

8 : 4 0 A M 3 who were assigned to the *Deepwater Horizon*?

8 : 4 0 A M 4 A. I thought they were the best in the business.

8 : 4 0 A M 5 Q. Did you also have an opportunity to interact with the

8 : 4 0 A M 6 leadership team of that crew; that is, the folks that worked

8 : 4 0 A M 7 onshore?

8 : 4 0 A M 8 A. Yes.

8 : 4 0 A M 9 Q. That would include Mr. Johnson, Mr. Winslow, and others?

8 : 4 0 A M 10 A. Yes.

8 : 4 0 A M 11 Q. And did you have confidence in Transocean's leadership

8 : 4 0 A M 12 team?

8 : 4 0 A M 13 A. Absolutely.

8 : 4 0 A M 14 Q. Did you believe that Transocean's personnel, both onshore

8 : 4 0 A M 15 and the crew that worked on the *Deepwater Horizon*, cared about

8 : 4 0 A M 16 safety?

8 : 4 0 A M 17 A. Yes.

8 : 4 1 A M 18 Q. And did you believe that they, too, cared about the

8 : 4 1 A M 19 consequences of their actions?

8 : 4 1 A M 20 A. Yes.

8 : 4 1 A M 21 Q. You said that you were assigned to the *Deepwater Horizon*

8 : 4 1 A M 22 for approximately three years. I want to talk about some of

8 : 4 1 A M 23 the accomplishments that were achieved while you were the wells

8 : 4 1 A M 24 team leader for the *Deepwater Horizon*.

8 : 4 1 A M 25 First of all, approximately how many wells had you

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8 : 4 1 A M 1 drilled as the drilling superintendent on the *Deepwater Horizon*
8 : 4 1 A M 2 in those three years?
8 : 4 1 A M 3 A. Seven or eight.
8 : 4 1 A M 4 Q. Okay.
8 : 4 1 A M 5 MS. KARIS: And if we can pull up D-4341, please.
8 : 4 1 A M 6 BY MS. KARIS:
8 : 4 1 A M 7 Q. We have a chart here of all the various wells that the
8 : 4 1 A M 8 *Deepwater Horizon* built while it was working while it was
8 : 4 1 A M 9 leased to BP. And I understand you came in here late 2007; is
8 : 4 1 A M 10 that correct?
8 : 4 1 A M 11 A. Yes. It would have been at the Cortez Bank, which is
8 : 4 2 A M 12 KC 244.
8 : 4 2 A M 13 Q. And at the bottom here, we have the various numbers. And
8 : 4 2 A M 14 I know they're a little difficult to read.
8 : 4 2 A M 15 A. Yes. Right here.
8 : 4 2 A M 16 Q. Great.
8 : 4 2 A M 17 And so all the wells from KC 244 forward to the end
8 : 4 2 A M 18 of 2010 were wells that were drilled with you as the drilling
8 : 4 2 A M 19 superintendent?
8 : 4 2 A M 20 A. That's correct.
8 : 4 2 A M 21 Q. And these were all deepwater wells, as we can see from the
8 : 4 2 A M 22 depth there; correct?
8 : 4 2 A M 23 A. Yes.
8 : 4 2 A M 24 Q. And one of them included, of course, the Tiber well which
8 : 4 2 A M 25 the Court has heard a little bit about. What was the total

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8 : 4 2 A M 1 depth of the Tiber well?

8 : 4 2 A M 2 A. 35,050 feet.

8 : 4 2 A M 3 Q. Was that a record at the time that that well was drilled?

8 : 4 2 A M 4 A. It was the deepest oil and gas well ever drilled in the

8 : 4 2 A M 5 world.

8 : 4 2 A M 6 Q. And you were the drilling superintendent for that, or the

8 : 4 2 A M 7 wells team leader at the time?

8 : 4 2 A M 8 A. Yes.

8 : 4 2 A M 9 Q. And then the Kodiak well is also listed here, 28,760 feet?

8 : 4 2 A M 10 A. Yes.

8 : 4 2 A M 11 Q. You were the drilling superintendent for that?

8 : 4 2 A M 12 A. Yes.

8 : 4 2 A M 13 Q. Were each and every one of those wells drilled

8 : 4 3 A M 14 successfully?

8 : 4 3 A M 15 A. Yes.

8 : 4 3 A M 16 Q. There's been some testimony in this case about the

8 : 4 3 A M 17 relationship of team members as well -- the BP team members as

8 : 4 3 A M 18 well as the Transocean team members. And I want to ask you

8 : 4 3 A M 19 first, did you have regular occasion to interact with

8 : 4 3 A M 20 Transocean where they would express to you the dealings that

8 : 4 3 A M 21 were taking place on the rig and then you would express to them

8 : 4 3 A M 22 any issues or concerns you had with them?

8 : 4 3 A M 23 A. Yes.

8 : 4 3 A M 24 Q. And did that include, of course, from time to time

8 : 4 3 A M 25 identifying areas where you believed there could be

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8 : 4 3 A M 1 improvements?

8 : 4 3 A M 2 A. Oh, yes.

8 : 4 3 A M 3 Q. And did that also include recognition of accomplishments

8 : 4 3 A M 4 that the teams were making as they continued to work together?

8 : 4 3 A M 5 A. Yes.

8 : 4 3 A M 6 MS. KARIS: We can now pull up TREN-4095.1.2, please.

8 : 4 4 A M 7 BY MS. KARIS:

8 : 4 4 A M 8 Q. We were talking about the accomplishments and we'll walk

8 : 4 4 A M 9 through this quickly. Was this -- which is an e-mail from

8 : 4 4 A M 10 Mr. Little dated June 18th of 2009 to a number of individuals

8 : 4 4 A M 11 at BP, Mr. Lacy, Mr. Thierens, Mr. Rainey, Mr. Thorseth and

8 : 4 4 A M 12 Mr. Leary and then with a carbon copy to you, and the subject

8 : 4 4 A M 13 is the Tiber performance.

8 : 4 4 A M 14 And Mr.-- was Mr. Little your boss at the time?

8 : 4 4 A M 15 A. Yes, he was.

8 : 4 4 A M 16 Q. All right. And so he was Mr. Sims' predecessor?

8 : 4 4 A M 17 A. Yes.

8 : 4 4 A M 18 Q. It says: "Just to let you know that the Tiber well

8 : 4 4 A M 19 through the Paleo" --

8 : 4 4 A M 20 Is that "-cene"?

8 : 4 4 A M 21 A. Yeah, Paleocene.

8 : 4 4 A M 22 Q. -- "-cene has been delivered at Top Quartile performance."

8 : 4 4 A M 23 What does that mean?

8 : 4 4 A M 24 A. The industry in whole keeps track of several matrix, and

8 : 4 4 A M 25 its data that's shared through all the companies, and it's

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8 : 4 5 A M 1 broken into, you know, the four quarters of performance. And
8 : 4 5 A M 2 this well was actually in the top, the top quartile.

8 : 4 5 A M 3 Q. Okay. And if we can now look at further up in the e-mail,
8 : 4 5 A M 4 4095.1.3. Again, part of the same string.

8 : 4 5 A M 5 And then Mr. Thierens, who we've heard some about
8 : 4 5 A M 6 says: "This is an outstanding performance, great work.
8 : 4 5 A M 7 Sincere thanks to all."

8 : 4 5 A M 8 Did you share Mr. Thierens' sentiments that this was
8 : 4 5 A M 9 an outstanding performance and great work by this team?

8 : 4 5 A M 10 A. Yes.

8 : 4 5 A M 11 Q. And then Mr. Burns writes: "Nice work, guys. Business as
8 : 4 5 A M 12 usual for the *Horizon A* team."

8 : 4 5 A M 13 Is that the team that you were leading at the time?

8 : 4 5 A M 14 A. Yes.

8 : 4 5 A M 15 Q. Now, in addition to accomplishments at the Tiber well, did
8 : 4 5 A M 16 the *Deepwater Horizon* continue to have an outstanding
8 : 4 5 A M 17 performance record, both safety as well as drilling performance
8 : 4 6 A M 18 record?

8 : 4 6 A M 19 A. Yes.

8 : 4 6 A M 20 MS. KARIS: And if we could now look at
8 : 4 6 A M 21 TREX-51350.2.3, please.

8 : 4 6 A M 22 BY MS. KARIS:

8 : 4 6 A M 23 Q. We've heard some about Mr. Johnson. Is Mr. Johnson your
8 : 4 6 A M 24 counterpart at Transocean?

8 : 4 6 A M 25 A. Yes, he was.

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8 : 4 6 A M 1 Q. Is he the person you interacted with on a daily basis?

8 : 4 6 A M 2 A. Yes.

8 : 4 6 A M 3 Q. Okay. And Mr. Johnson sent an e-mail to a number of

8 : 4 6 A M 4 individuals, including you, and that's not highlighted there.

8 : 4 6 A M 5 And what's the date of this e-mail?

8 : 4 6 A M 6 A. April 2nd, 2010.

8 : 4 6 A M 7 Q. So you received this e-mail just a couple weeks before

8 : 4 6 A M 8 this incident; correct?

8 : 4 6 A M 9 A. Yes.

8 : 4 6 A M 10 Q. And the subject is "*Deepwater Horizon*, one year recordable

8 : 4 6 A M 11 free." Tell us what this e-mail was about.

8 : 4 6 A M 12 A. The industry as well as BP keeps track of injuries, and

8 : 4 6 A M 13 depending on the severity of the injury, some of them need to

8 : 4 7 A M 14 be recorded and reported. And he was just bringing out the

8 : 4 7 A M 15 point that the *Horizon* had gone one year without having any

8 : 4 7 A M 16 type of incident.

8 : 4 7 A M 17 Q. And he writes and he says: "Please pass on my

8 : 4 7 A M 18 congratulations and admiration to the entire *Deepwater Horizon*

8 : 4 7 A M 19 team."

8 : 4 7 A M 20 And that entire *Deepwater Horizon* team would have

8 : 4 7 A M 21 included yourself; correct?

8 : 4 7 A M 22 A. That's correct.

8 : 4 7 A M 23 Q. Okay. And did you share Mr. Johnson's sentiment that the

8 : 4 7 A M 24 entire team deserved congratulations and then admiration for

8 : 4 7 A M 25 achieving this accomplishment of one year, recordable free

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8 : 4 7 A M 1 injuries?

8 : 4 7 A M 2 A. Yes, I did.

8 : 4 7 A M 3 Q. And he goes on to say that "reaching the milestone of

8 : 4 7 A M 4 working one year recordable free is a great achievement and

8 : 4 7 A M 5 something we should all feel proud of."

8 : 4 7 A M 6 Were you proud of that accomplishment?

8 : 4 7 A M 7 A. I was very proud.

8 : 4 7 A M 8 Q. And it says: "It takes hard work and commitment from the

8 : 4 7 A M 9 entire crew, and I would like to say thank you."

8 : 4 8 A M 10 Finally, it closes by saying: "Let's take one day at

8 : 4 8 A M 11 a time, utilize with total commitment and passion all of our

8 : 4 8 A M 12 safety tools and begin our quest of working two years

8 : 4 8 A M 13 recordable injury free."

8 : 4 8 A M 14 Did you agree with that statement?

8 : 4 8 A M 15 A. Absolutely.

8 : 4 8 A M 16 Q. Do you believe that you were managing the team that

8 : 4 8 A M 17 reported to you in a way that was consistent with Mr. Johnson's

8 : 4 8 A M 18 goal there, a request of working two years injury-free?

8 : 4 8 A M 19 A. I did.

8 : 4 8 A M 20 Q. At any time did anybody from Transocean, Halliburton, or

8 : 4 8 A M 21 any of the other contractors that we saw listed earlier,

8 : 4 8 A M 22 indicate to you that they did not believe that BP shared the

8 : 4 8 A M 23 commitment and passion for safety?

8 : 4 8 A M 24 A. No.

8 : 4 8 A M 25 Q. Did anybody at any time, from any of the contractors that

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8 : 4 8 A M 1 you worked with as part of this team, ever indicate to you that
8 : 4 8 A M 2 they believed BP was pushing them too hard or demanding too
8 : 4 8 A M 3 much of them?
8 : 4 8 A M 4 A. No.
8 : 4 8 A M 5 Q. At any time did anybody from any other contractors
8 : 4 9 A M 6 indicate to you they thought -- that they thought you, as the
8 : 4 9 A M 7 well team leader, was not managing the team in a way that was
8 : 4 9 A M 8 consistent with the goal of safety being the number-one
8 : 4 9 A M 9 priority?
8 : 4 9 A M 10 A. No.
8 : 4 9 A M 11 Q. Do you believe that you were managing your team consistent
8 : 4 9 A M 12 with the goal of safety being the number-one priority?
8 : 4 9 A M 13 A. Yes, I did.
8 : 4 9 A M 14 Q. Now, in addition to this accomplishment that Mr. Johnson
8 : 4 9 A M 15 notes, did you also have other safety performance milestones
8 : 4 9 A M 16 that were achieved with the *Deepwater Horizon* under your
8 : 4 9 A M 17 tenure?
8 : 4 9 A M 18 A. Yes.
8 : 4 9 A M 19 Q. Can you describe some of those for the Court.
8 : 4 9 A M 20 A. Well, the biggest accomplishment by far was reaching seven
8 : 4 9 A M 21 years without a day away from work case.
8 : 4 9 A M 22 Q. And what does that mean, "seven years without a day away
8 : 4 9 A M 23 from work case"?
8 : 4 9 A M 24 A. A day away from work case would be where someone got
8 : 5 0 A M 25 injured to the point where they actually would have to miss

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8 : 5 0 A M 1 work. And we had just got to the seven years in a row without
8 : 5 0 A M 2 having such an incident.

8 : 5 0 A M 3 Q. And was that quite an accomplishment, in your opinion,
8 : 5 0 A M 4 having been in the industry for 30-plus years?

8 : 5 0 A M 5 A. Yes, it was.

8 : 5 0 A M 6 Q. Did you also receive any awards from the MMS for the
8 : 5 0 A M 7 performance of the *Deepwater Horizon's* team?

8 : 5 0 A M 8 A. Yes. The *Horizon* won an award when it was drilling
8 : 5 0 A M 9 Atlantis, the Safe Rig of the Year award. And we were also up
8 : 5 0 A M 10 for Safe Rig of the Year award in Lake Charles district for
8 : 5 0 A M 11 2009.

8 : 5 0 A M 12 Q. While you were the drilling superintendent or well team
8 : 5 0 A M 13 leader, did any of the other rigs that you were in charge of
8 : 5 0 A M 14 also get recognized for the accomplishments of those rigs under
8 : 5 0 A M 15 your leadership?

8 : 5 0 A M 16 A. When I was the Mad Dog drilling superintendent, the
8 : 5 0 A M 17 Mad Dog rig won the Safe Rig of the Year award in the Houma
8 : 5 0 A M 18 district one year and came in second the second year.

8 : 5 1 A M 19 Q. And so all of those accomplishments were while you were
8 : 5 1 A M 20 acting as the wells team leader for BP, managing the well site
8 : 5 1 A M 21 leaders who were on those rigs; is that correct?

8 : 5 1 A M 22 A. That's correct.

8 : 5 1 A M 23 Q. All right. Let's change subjects.

8 : 5 1 A M 24 There's been a lot of discussion in this case about
8 : 5 1 A M 25 OMS and its application to the *Deepwater Horizon*, and I promise

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8 : 5 1 A M 1 you we're not going to go through all of that again. But I do
8 : 5 1 A M 2 want to ask you just a few questions on this subject.

8 : 5 1 A M 3 As the wells team leader for BP, what was your
8 : 5 1 A M 4 understanding for how BP's safety management system applied to
8 : 5 1 A M 5 the *Deepwater Horizon*?

8 : 5 1 A M 6 A. We had a bridging document with Transocean's SMS, their
8 : 5 1 A M 7 safety management system, and our OMS system. So there was a
8 : 5 1 A M 8 bridging document between the two, and it was in the contract.
8 : 5 1 A M 9 That was the main -- the main connection.

8 : 5 1 A M 10 Q. So through the bridging document, OMS supplied the
8 : 5 2 A M 11 Transocean safety management system?

8 : 5 2 A M 12 A. Yes.

8 : 5 2 A M 13 Q. And that was for the operations on the rig offshore;
8 : 5 2 A M 14 correct?

8 : 5 2 A M 15 A. That's correct.

8 : 5 2 A M 16 Q. There has been an assertion in this case and, in fact, a
8 : 5 2 A M 17 question asked to Mr. Newman, whether there was any safety
8 : 5 2 A M 18 management system, then, that applied to the folks that worked
8 : 5 2 A M 19 onshore. You were one of the wells team members who worked
8 : 5 2 A M 20 onshore in connection with these operations; correct?

8 : 5 2 A M 21 A. That's correct.

8 : 5 2 A M 22 Q. Was there a safety management system that applied to you
8 : 5 2 A M 23 and the rest of the drilling team who worked onshore?

8 : 5 2 A M 24 A. Yes.

8 : 5 2 A M 25 Q. What safety management system is that?

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8 : 5 2 A M 1 A. Well, it all fell under the umbrella of OMS, but the
8 : 5 2 A M 2 specific programs were the drilling engineering was -- it's
8 : 5 2 A M 3 called "BTB common process," beyond the best common process.
8 : 5 2 A M 4 That was their main management system.

8 : 5 3 A M 5 And then on the operations side, and it all tied
8 : 5 3 A M 6 together, was called "DWOP." It was the drilling wells
8 : 5 3 A M 7 operating practices.

8 : 5 3 A M 8 Q. And so between beyond the best, BTB, as you referenced it,
8 : 5 3 A M 9 DWOP, drilling wells operations practices, was there something
8 : 5 3 A M 10 also called ETPs, or engineering technical practices?

8 : 5 3 A M 11 A. Yes. So then as part of the BTB process, then when you
8 : 5 3 A M 12 get into the weeds, so to speak, you then have ETPs, which are
8 : 5 3 A M 13 engineering technical practices. You have GPs, which are group
8 : 5 3 A M 14 practices. You have site-specific practices. And we actually
8 : 5 3 A M 15 had a -- it was called the "OMS library." And so you could
8 : 5 3 A M 16 actually go onto this Web site and have access to all the
8 : 5 3 A M 17 various processes and procedures and practices.

8 : 5 3 A M 18 Q. Okay. It's been suggested that ETPs did not apply to
8 : 5 4 A M 19 drilling. Is that accurate?

8 : 5 4 A M 20 A. No.

8 : 5 4 A M 21 Q. And likewise, is it accurate to say that there was no
8 : 5 4 A M 22 safety management that applied to the work that you were doing
8 : 5 4 A M 23 in connection with this well?

8 : 5 4 A M 24 A. No. We had a very rigorous safety management system.

8 : 5 4 A M 25 Q. That's all we're going to do on OMS. Let's talk about

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8 : 5 4 A M 1 something different now.

8 : 5 4 A M 2 Under the Transocean safety management system that

8 : 5 4 A M 3 applied to the operations on the rig and then the OMS safety

8 : 5 4 A M 4 management system that applied to the engineering or onshore

8 : 5 4 A M 5 operations, did you use those programs in order to improve the

8 : 5 4 A M 6 safety performance of the team that worked with you as well as

8 : 5 4 A M 7 those that you reported to?

8 : 5 4 A M 8 A. Yes.

8 : 5 4 A M 9 Q. Okay. Let's step back, and can you tell the Court, when

8 : 5 5 A M 10 you say that you believed that your team shared the importance

8 : 5 5 A M 11 of safety, what did you do or what programs were you involved

8 : 5 5 A M 12 in through BP that you felt improved the safety of the

8 : 5 5 A M 13 operations for onshore as well as offshore operations?

8 : 5 5 A M 14 A. I thought the most effective one that we used was called

8 : 5 5 A M 15 SOC, which was safety observation conversation. Do you want me

8 : 5 5 A M 16 to explain?

8 : 5 5 A M 17 Q. Well, just list them first, and then we'll go through

8 : 5 5 A M 18 them.

8 : 5 5 A M 19 A. Okay. SOCs, safety observation conversations. We had

8 : 5 5 A M 20 Stop the Job, was one. And so was Pulse Check surveys.

8 : 5 5 A M 21 Q. Did you also have something called "safety standdowns"?

8 : 5 5 A M 22 A. Yes. Yes, we did.

8 : 5 5 A M 23 Q. We're going to talk briefly about each of those. The

8 : 5 5 A M 24 first one that you listed was SOCs, safety observation

8 : 5 5 A M 25 conversations?

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8 : 5 5 A M 1 A. Yes.

8 : 5 5 A M 2 Q. Was this a program initiated by BP?

8 : 5 5 A M 3 A. Yes.

8 : 5 6 A M 4 Q. Okay. Tell us how safety observation conversations

8 : 5 6 A M 5 worked.

8 : 5 6 A M 6 A. So this could apply to anyone, but for myself, when I

8 : 5 6 A M 7 would go to the rig, you would walk around and observe people

8 : 5 6 A M 8 performing a task. And if you -- you know, once the task was

8 : 5 6 A M 9 finished, you would have a conversation with them. And if they

8 : 5 6 A M 10 were performing the task safely, then, you know, you would

8 : 5 6 A M 11 discuss with them and say, you know, "Yes, I watched what you

8 : 5 6 A M 12 were doing. You were doing it right, you know. Thank you."

8 : 5 6 A M 13 But on the other hand, if you saw something that you

8 : 5 6 A M 14 didn't think was safe, if you had to stop the job, you would.

8 : 5 6 A M 15 But let's just say you didn't. Then you would discuss with

8 : 5 6 A M 16 them after, okay, so, you know, "You really weren't doing this

8 : 5 6 A M 17 right. Do you know why? Do you want me to explain?" And

8 : 5 6 A M 18 stuff like that.

8 : 5 6 A M 19 Q. Okay. So is it fair to say that it was basically an

8 : 5 7 A M 20 observation where you would look at behavior and identify what

8 : 5 7 A M 21 was being done right and then also identify areas for

8 : 5 7 A M 22 improvement?

8 : 5 7 A M 23 A. That's correct.

8 : 5 7 A M 24 Q. Okay. Did you personally conduct some of these safety

8 : 5 7 A M 25 observation conversations, SOCs, as you call them?

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8 : 5 7 A M 1 A. Yes, I did.

8 : 5 7 A M 2 Q. All right. There's been suggestion that BP only cared
8 : 5 7 A M 3 about personal safety and not process safety. Do you agree
8 : 5 7 A M 4 with that observation?

8 : 5 7 A M 5 A. No. It was -- safety was safety. It was all one piece.

8 : 5 7 A M 6 Q. And so when you were doing safety observation
8 : 5 7 A M 7 conversations, were you limiting them in any way to just
8 : 5 7 A M 8 personal safety and ignoring process safety concerns?

8 : 5 7 A M 9 A. No.

8 : 5 7 A M 10 Q. You also referenced Safety Pulse Checks. First, describe
8 : 5 7 A M 11 what is a Safety Pulse Check survey?

8 : 5 8 A M 12 A. We would -- there would be a list of questions we would
8 : 5 8 A M 13 put together on a form, and we would pass out the form to all
8 : 5 8 A M 14 the guys and girls that worked on the rig and ask them to fill
8 : 5 8 A M 15 it out.

8 : 5 8 A M 16 Q. So who participated in these? The folks that worked on
8 : 5 8 A M 17 the rig?

8 : 5 8 A M 18 A. Yes.

8 : 5 8 A M 19 Q. How often are Safety Pulse Checks given?

8 : 5 8 A M 20 A. They were about once a year.

8 : 5 8 A M 21 Q. And were Safety Pulse Checks something that began when
8 : 5 8 A M 22 Mr. Neil Shaw was the strategic performance unit leader in the
8 : 5 8 A M 23 Gulf of Mexico?

8 : 5 8 A M 24 A. Yes.

8 : 5 8 A M 25 Q. Why were Safety Pulse Checks being conducted?

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8 : 5 8 A M 1 A. Well, we wanted to know what the people who were doing the
8 : 5 8 A M 2 work, how they felt. Did they -- you know, did they -- and
8 : 5 8 A M 3 also to get their feedback. You know, it was really about what
8 : 5 8 A M 4 things are working good and what things aren't. Just trying to
8 : 5 8 A M 5 get their input.

8 : 5 8 A M 6 Q. And then did you, as the wells team leader, review the
8 : 5 9 A M 7 results of those Safety Pulse Checks?

8 : 5 9 A M 8 A. I did.

8 : 5 9 A M 9 Q. And did you then pass those results on to your management?

8 : 5 9 A M 10 A. Yes.

8 : 5 9 A M 11 MS. KARIS: If we could look at TREX-47570-N.1,
8 : 5 9 A M 12 please.

8 : 5 9 A M 13 BY MS. KARIS:

8 : 5 9 A M 14 Q. This is the Safety Pulse Check - Report & Action Plan for
8 : 5 9 A M 15 the *Deepwater Horizon* from 2008. Is this a Safety Pulse Check
8 : 5 9 A M 16 that you're familiar with?

8 : 5 9 A M 17 A. Yes.

8 : 5 9 A M 18 Q. And was this administered while you were involved with the
8 : 5 9 A M 19 *Deepwater Horizon*?

8 : 5 9 A M 20 A. Yes, it was.

8 : 5 9 A M 21 Q. All right.

8 : 5 9 A M 22 MS. KARIS: If we could now look at 47570-N.3.1,
8 : 5 9 A M 23 which is a page from this program.

9 : 0 0 A M 24 BY MS. KARIS:

8 : 5 9 A M 25 Q. This reports on the Safety Pulse Check positive feedback

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8 : 5 9 A M 1 from team. And it begins on the top there, which we haven't
8 : 5 9 A M 2 called out by saying: "Summary of positive feedback received
8 : 5 9 A M 3 from questionnaire and engagement sessions."

9 : 0 0 A M 4 And without going through each of these, can you
9 : 0 0 A M 5 describe for the Court what the positive results were from the
9 : 0 0 A M 6 Safety Pulse Checks that were administered to the
9 : 0 0 A M 7 *Deepwater Horizon's* crew?

9 : 0 0 A M 8 A. Well, the first one, the strong performance and safety
9 : 0 0 A M 9 culture is embedded, was obviously very, very good to see
9 : 0 0 A M 10 because it meant that all the folks working on the rig
9 : 0 0 A M 11 understood how important it was and they applied it day-to-day.

9 : 0 0 A M 12 Personally, what I thought was very, very good was
9 : 0 0 A M 13 the Stop-the-Job culture.

9 : 0 0 A M 14 Q. Okay. That says, "stop-the-job culture was noted as very
9 : 0 0 A M 15 strong by all personnel interviewed"; correct?

9 : 0 0 A M 16 A. That's correct.

9 : 0 0 A M 17 Q. And why did you personally think that that was something
9 : 0 0 A M 18 that was very, very good?

9 : 0 0 A M 19 A. Because there's a lot of activity that goes on every day.
9 : 0 0 A M 20 And we -- we really wanted to make sure that everyone knew if
9 : 0 1 A M 21 they saw something, anything, and either they didn't understand
9 : 0 1 A M 22 it or they didn't think it was going like they thought, that
9 : 0 1 A M 23 they had the obligation to stop the job.

9 : 0 1 A M 24 Q. There's a result here for excellent teamwork between
9 : 0 1 A M 25 Transocean, third party, and BP personnel. Is that consistent

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9:01AM 1 with your experience with the *Deepwater Horizon* and working
9:01AM 2 with Transocean, as well as other third-party contractors?
9:01AM 3 A. Yes, it was.
9:01AM 4 Q. And was that the feedback that the crew was giving to you,
9:01AM 5 BP, that they felt there was excellent teamwork being
9:01AM 6 conducted?
9:01AM 7 A. Oh, yes.
9:01AM 8 Q. All right. And then finally, it says, "All rig personnel
9:01AM 9 are very proud of safety and performance history"; correct?
9:01AM 10 A. Yes.
9:01AM 11 Q. Did you ask only about personal safety?
9:01AM 12 A. No, no.
9:01AM 13 Q. Based on your experience and interaction with this crew,
9:01AM 14 are these results consistent with the feedback you were getting
9:01AM 15 from Transocean with respect to BP's performance on the
9:02AM 16 *Deepwater Horizon* and you and your team's performance onshore?
9:02AM 17 A. Yes. And the third-party folks.
9:02AM 18 MS. KARIS: And quickly and we'll move on to another
9:02AM 19 subject then, D-4350.
9:02AM 20 BY MS. KARIS:
9:02AM 21 Q. Does this reflect some of the Safety Pulse Check results
9:02AM 22 from that 2008 report?
9:02AM 23 A. Yes.
9:02AM 24 Q. Okay. And just to point out a couple here. "Do you feel
9:02AM 25 you are in control of your own" personal -- "of your own

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9:02 AM 1 safety," and there's 100 percent responsiveness; correct?

9:02 AM 2 A. Yes.

9:02 AM 3 Q. What does that indicate when you get 100 percent?

9:02 AM 4 A. That everyone understands.

9:02 AM 5 Q. And then there's another one that says: "Do you feel you

9:02 AM 6 are given enough time to properly plan the job?"

9:02 AM 7 What are the results of that?

9:02 AM 8 A. 100 percent.

9:02 AM 9 Q. Okay. Were the results that were seen in 2008 consistent

9:03 AM 10 with the results that you saw then in 2009 and going forward?

9:03 AM 11 A. Yes, it was.

9:03 AM 12 Q. We talked about stop-the-job as another program, so we

9:03 AM 13 won't talk about that one again. But you also mentioned safety

9:03 AM 14 standdowns. Are you familiar with safety standdowns?

9:03 AM 15 A. Yes.

9:03 AM 16 Q. What is a safety standdown?

9:03 AM 17 A. It's when we actually stop the operation on the rig, and

9:03 AM 18 all that can attend would go into the theater room and we would

9:03 AM 19 have a safety discussion.

9:03 AM 20 Q. And so do they take place on the rig, they stop the

9:03 AM 21 operations and those who can attend come to this meeting where

9:03 AM 22 you discuss the issues?

9:03 AM 23 A. Yes.

9:03 AM 24 Q. How often, in your experience, did safety standdowns stay

9:03 AM 25 place?

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9:03 AM 1 A. It was probably, average, once a month.

9:04 AM 2 Q. So once a month you would stop the operations to discuss
9:04 AM 3 something that was identified?

9:04 AM 4 A. Yes.

9:04 AM 5 Q. Does BP continue paying the rig rate, the daily rig rate
9:04 AM 6 of almost \$1 million, while the operations are stopped in order
9:04 AM 7 to have a safety standdown?

9:04 AM 8 A. Yes.

9:04 AM 9 Q. Did you ever at any time raise any concerns with
9:04 AM 10 Transocean to not conduct a safety standdown because of rig
9:04 AM 11 rates or time or time is money or anything like that?

9:04 AM 12 A. No.

9:04 AM 13 MS. KARIS: Let's look at TREN-47461, please. If we
9:04 AM 14 can call out the bottom.

9:04 AM 15 BY MS. KARIS:

9:04 AM 16 Q. Talking about safety standdowns, was there a safety
9:04 AM 17 standdown on the *Deepwater Horizon* on April 10th of 2010?

9:04 AM 18 A. Yes, there was.

9:04 AM 19 Q. So just ten days prior to this incident?

9:04 AM 20 A. Yes.

9:05 AM 21 Q. And this incident arises from crane block and dock
9:05 AM 22 pictures, it says. It says: "While the block was lowered into
9:05 AM 23 the stand, the stand shifted to the left, hitting the
9:05 AM 24 roustabout in the left leg. The roustabout reported to the
9:05 AM 25 medic. An ice pack was applied for a short period of time."

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9:05 AM 1 As a result of this incident, did you recommend in
9:05 AM 2 the top e-mail there to your boss, Mr. Sims, that a safety
9:05 AM 3 standdown should be taken?

9:05 AM 4 A. Yes.

9:05 AM 5 Q. And did Mr. Sims support your view to do a safety
9:05 AM 6 standdown?

9:05 AM 7 A. Yes, he did.

9:05 AM 8 MS. KARIS: And if we can now look at TREN-47461 --
9:05 AM 9 1.3, I'm sorry.

9:05 AM 10 BY MS. KARIS:

9:05 AM 11 Q. And is this Mr. Sims' response back to you where you
9:05 AM 12 propose a safety standdown, and he says, "John, agree with the
9:05 AM 13 standdown. Happy to take as much time as you think. 2 first
9:05 AM 14 aids and 2 drops in 2 weeks is worth a timeout"?

9:06 AM 15 So for two first aids and two drops in two weeks,
9:06 AM 16 operations were going to stop at BP's expense in order to take
9:06 AM 17 a safety standdown; is that accurate?

9:06 AM 18 A. Yes.

9:06 AM 19 Q. And you respond back there and you say: "You would have
9:06 AM 20 shot 64 at Augusta today."

9:06 AM 21 A. Right.

9:06 AM 22 Q. What's that about?

9:06 AM 23 A. Well, Mr. Sims was a very good golfer and we golfed
9:06 AM 24 together, and we were both watching the Masters at that time
9:06 AM 25 and I was just kidding with him.

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9:06 AM 1 Q. Timely, given where we are today.

9:06 AM 2 A. Yes.

9:06 AM 3 Q. And does that reflect the relationship that you had with

9:06 AM 4 Mr. Sims?

9:06 AM 5 A. Yes.

9:06 AM 6 Q. Now, did you speak with anyone at Transocean after

9:06 AM 7 recommending the safety standdown?

9:06 AM 8 A. Yeah. I talked to Paul Johnson.

9:06 AM 9 Q. And did Mr. Johnson agree to conduct a safety standdown

9:06 AM 10 for this incident?

9:06 AM 11 A. Yes, he did.

9:06 AM 12 Q. And did it actually occur?

9:06 AM 13 A. It did.

9:06 AM 14 Q. Now, we've spoken about some of the programs that you and

9:07 AM 15 BP put in place that focused on safety. Were there also

9:07 AM 16 programs that Transocean had in place that you believed

9:07 AM 17 emphasized the importance of safety?

9:07 AM 18 A. They had a very rigorous safety management system.

9:07 AM 19 Q. Okay. And can you just list for us some of the things

9:07 AM 20 that you felt made the operations on the rig safe, in light of

9:07 AM 21 your interaction with Transocean?

9:07 AM 22 A. Yes. The system was called "START," then it was

9:07 AM 23 "Prompt card," "THINK plan," and then "task-specific THINK

9:07 AM 24 plan."

9:07 AM 25 Q. Okay. We've heard about THINK plan and task-specific, so

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9:07 AM 1 I won't ask you about those, but I'm not sure we've heard about
9:07 AM 2 START. What's the START program?

9:07 AM 3 A. It's a program that was developed actually a long time ago
9:07 AM 4 by DuPont, and it's your behavioral-based safety observations
9:07 AM 5 where people would observe something good or something not
9:07 AM 6 good, and they would just fill out a card and they would submit
9:08 AM 7 the card. And then the rig leadership would examine all the
9:08 AM 8 cards to see if there was any trending.

9:08 AM 9 Q. And then what are the Prompt cards that you mentioned?

9:08 AM 10 A. It was something you could put in your pocket. And it --
9:08 AM 11 so before you would start a task -- really, it was a generic,
9:08 AM 12 so for any task. You could just read the lines. You know, has
9:08 AM 13 things been locked out/tagged out. You know, this, this, this.
9:08 AM 14 And you could literally go through and prompt yourself to see
9:08 AM 15 if -- is everything ready for you to do this task.

9:08 AM 16 Q. So in addition to the Prompt card, the START cards, and
9:08 AM 17 the variety of other program, did you hold meetings with
9:08 AM 18 Transocean and its crew in which the focus of the meeting was
9:08 AM 19 to discuss safety?

9:08 AM 20 A. Yes.

9:08 AM 21 Q. Okay. Are you familiar with --

9:08 AM 22 **MS. KARIS:** Well, let's look at TREX-5965.1.3,
9:09 AM 23 please.

9:09 AM 24 **BY MS. KARIS:**

9:09 AM 25 Q. How regularly would you hold meetings in which the focus

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9:09 AM 1 of the meeting was to discuss safety?

9:09 AM 2 A. It was probably around every six weeks.

9:09 AM 3 Q. And is this an example of one of those meetings?

9:09 AM 4 A. Yes.

9:09 AM 5 Q. In September of 2009?

9:09 AM 6 A. Yes.

9:09 AM 7 Q. And this would have been with the *Deepwater Horizon* crew;

9:09 AM 8 is that correct?

9:09 AM 9 A. Yes.

9:09 AM 10 Q. You say there: "I've been thinking about how to make this

9:09 AM 11 meeting worth the time of our field leadership, but first a few

9:09 AM 12 administrative issues."

9:09 AM 13 And then you go on to say: "Have an agenda. It does

9:09 AM 14 not have to be set, but rather concentrate on what has happened

9:09 AM 15 and upcoming concerns. Have data (START, SOC, et cetera) that

9:09 AM 16 we can share. What is working, what is not? How can we help

9:10 AM 17 them?"

9:10 AM 18 What was this meeting about?

9:10 AM 19 A. We would -- Paul Johnson, myself, and Joe Neumeyer here

9:10 AM 20 was one of your safety reps in the office. We would -- you

9:10 AM 21 know, we would want to sit down with the leadership on the rig,

9:10 AM 22 both the well site leaders, OIM, and senior toolpushers and

9:10 AM 23 talk to them about, you know, the status of the safety system,

9:10 AM 24 what's working, what's not, how can we help?

9:10 AM 25 Q. Okay. And did you share in these meetings the data that

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9:10 AM 1 we've been talking about, the START data, the SOC data, and
9:10 AM 2 other similar data that you would collect?

9:10 AM 3 A. Yes.

9:10 AM 4 Q. Now, again, Mr. -- Dr. Bea testified that this e-mail --
9:10 AM 5 focusing on this e-mail, he said: "This is only focused on
9:10 AM 6 personal safety."

9:10 AM 7 Would you agree with that?

9:10 AM 8 A. No.

9:10 AM 9 Q. Why not?

9:10 AM 10 A. We -- we looked at it just as safety, you know, and so
9:10 AM 11 process safety, personal safety, it was all one thing to us. I
9:11 AM 12 mean...

9:11 AM 13 Q. Did you ever exclude process safety and say, "Process
9:11 AM 14 safety, loss of well control, that's not part of what our
9:11 AM 15 concern is"?

9:11 AM 16 A. No.

9:11 AM 17 Q. In fact, wasn't the well control piece related to the
9:11 AM 18 drilling operations and what you were the wells team leader
9:11 AM 19 for?

9:11 AM 20 A. Yes.

9:11 AM 21 MS. KARIS: Now, if we could pull up TREN-5967.1.4.

9:11 AM 22 BY MS. KARIS:

9:11 AM 23 Q. We'll walk through this quickly. Is this an e-mail that
9:11 AM 24 you sent to Transocean's leadership as well as members of your
9:11 AM 25 team that referenced these HSE conversations?

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9:11 AM 1 A. Right.

9:11 AM 2 Q. And you say: "From the rig side, I would like at least

9:11 AM 3 the WSL" -- well site leader -- "OIM" -- offshore installation

9:11 AM 4 manager, "captain, and RSTC to attend, more if you wish."

9:12 AM 5 What is the RSTC?

9:12 AM 6 A. That's the Transocean safety individual on the rig.

9:12 AM 7 Q. Okay. And then you set out what's going to be discussed,

9:12 AM 8 the "current state of overall rig HSE. What's working?

9:12 AM 9 What's not working? Suggestions for improvement. Plan going

9:12 AM 10 forward."

9:12 AM 11 Was it common for you to have these types of

9:12 AM 12 meetings?

9:12 AM 13 A. Yes.

9:12 AM 14 Q. Okay. And do you recall specifically coming out of this

9:12 AM 15 meeting any examples of what was discussed and raised for ways

9:12 AM 16 to improve going forward?

9:12 AM 17 A. Yes. Well, we always -- the goal was zero incidents of

9:12 AM 18 any manner, and the one thing that was clear here is we really

9:12 AM 19 wanted to get back to some of the basics. And it was actually

9:12 AM 20 Paul Johnson who put together what was called a "Stop and

9:13 AM 21 Think." That was an initiative that we wanted to put forth.

9:13 AM 22 Q. Was there also something called "Leadership Engagement"

9:13 AM 23 separate from these HSE meetings?

9:13 AM 24 A. Yes.

9:13 AM 25 Q. Can you describe for the Court what a

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9 : 13 AM 1 Leadership Engagement is.

9 : 13 AM 2 A. It's when the --

9 : 13 AM 3 MS. KARIS: We can take this down.

9 : 13 AM 4 THE WITNESS: It's when the actual leadership on the

9 : 13 AM 5 rig and the office, we would get together and discuss the

9 : 13 AM 6 safety issues.

9 : 13 AM 7 BY MS. KARIS:

9 : 13 AM 8 Q. Okay. And do you recall participating in Houma, something

9 : 13 AM 9 called Houma Week Leadership Engagement?

9 : 13 AM 10 A. Yes.

9 : 13 AM 11 Q. In 2010?

9 : 13 AM 12 A. Yes.

9 : 13 AM 13 MS. KARIS: Okay. And if we can look at trial

9 : 13 AM 14 exhibit -- I'm sorry, 8093.1.5.

9 : 13 AM 15 BY MS. KARIS:

9 : 13 AM 16 Q. Is this a summary of the objectives from the DW Wells

9 : 14 AM 17 Leadership Houma Engagement -- I'm sorry, Leadership Houma

9 : 14 AM 18 Leadership Engagement held on March 29th, 30th, and 31st, three

9 : 14 AM 19 days, in 2010?

9 : 14 AM 20 A. Yes, it is.

9 : 14 AM 21 Q. Okay. And what were some of the objectives for this

9 : 14 AM 22 meeting that was going to be held over a three-day period in

9 : 14 AM 23 Houma?

9 : 14 AM 24 A. You know, really, the thing is, get -- you know, what's on

9 : 14 AM 25 the guys' minds, how can we make it better, listen to what

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9 : 1 4 A M 1 their ideas are.

9 : 1 4 A M 2 Q. And it says there: "What will make a difference in safety

9 : 1 4 A M 3 performance?"

9 : 1 4 A M 4 A. Yes.

9 : 1 4 A M 5 Q. Is that always a subject for these Leadership Engagements,

9 : 1 4 A M 6 how can we improve safety performance?

9 : 1 4 A M 7 A. Yes.

9 : 1 4 A M 8 Q. And then finally, under "Communicate and praise

9 : 1 4 A M 9 positives," it says: "Show our commitment to their success."

9 : 1 4 A M 10 What was that about?

9 : 1 4 A M 11 A. Well, you know, our job was to make their job easier, and

9 : 1 5 A M 12 we wanted to make sure they knew that.

9 : 1 5 A M 13 Q. Now, did you personally present at this Houma Leadership

9 : 1 5 A M 14 Engagement?

9 : 1 5 A M 15 A. Yes, I did.

9 : 1 5 A M 16 MS. KARIS: All right. If we can look at

9 : 1 5 A M 17 TREX-8093.3.1.

9 : 1 5 A M 18 BY MS. KARIS:

9 : 1 5 A M 19 Q. This is from the agenda, "HSSE Performance Meeting. Every

9 : 1 5 A M 20 month" -- "every other month" -- I'm sorry -- "HSSE sharing

9 : 1 5 A M 21 across Ops." And it has your name next to it.

9 : 1 5 A M 22 Was there an agenda that you put together for the

9 : 1 5 A M 23 presentation that you gave as part of this leadership meeting?

9 : 1 5 A M 24 A. Yes, there was.

9 : 1 5 A M 25 Q. And to be clear, was Transocean's crew at this

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9 : 1 5 A M 1 Leadership Engagement?

9 : 1 5 A M 2 A. Yes.

9 : 1 5 A M 3 Q. And can you describe for us some of the folks from

9 : 1 5 A M 4 Transocean, position-wise, that would attend these meetings.

9 : 1 5 A M 5 A. The senior toolpusher, toolpusher, driller, OIM, if they

9 : 1 5 A M 6 could.

9 : 1 5 A M 7 Q. And let's look at the agenda that was discussed with all

9 : 1 6 A M 8 these folks that you just identified.

9 : 1 6 A M 9 MS. KARIS: TREN-47414.3.2, please.

9 : 1 6 A M 10 BY MS. KARIS:

9 : 1 6 A M 11 Q. It says here that the "Purpose" was to "support the drive

9 : 1 6 A M 12 to incident-free working environments on all operational

9 : 1 6 A M 13 sites," and then to "strengthen the existing safety management

9 : 1 6 A M 14 systems being utilized in our operations."

9 : 1 6 A M 15 Was that part of the discussion that you participated

9 : 1 6 A M 16 in?

9 : 1 6 A M 17 A. Yes, it was.

9 : 1 6 A M 18 MS. KARIS: And then if we can now look at

9 : 1 6 A M 19 TREN-47414.3.4.

9 : 1 6 A M 20 BY MS. KARIS:

9 : 1 6 A M 21 Q. Was this the agenda, then, for the discussion that you led

9 : 1 6 A M 22 with Transocean's crew, amongst others?

9 : 1 6 A M 23 A. Yes.

9 : 1 6 A M 24 Q. Tell the Court what this meeting or this agenda consisted

9 : 1 6 A M 25 of.

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9:16 AM 1 A. Well, the first thing we did was just go through, you
9:16 AM 2 know, the various tools. It was called the Safety Toolbox, so
9:17 AM 3 to speak, and there are examples -- these are the examples of
9:17 AM 4 some of the tools that we -- that we had, both Pride and
9:17 AM 5 Transocean.

9:17 AM 6 The main thing we wanted to do in my piece was the
9:17 AM 7 exercise, which was we broke the teams down into smaller groups
9:17 AM 8 and we just said, "Okay, here's a blank piece of paper, you
9:17 AM 9 know. How can we be better at hazard awareness when we're
9:17 AM 10 doing our job?"

9:17 AM 11 Q. And so was the -- was there a focus or an emphasis on
9:17 AM 12 hazard awareness as part of this meeting that took place in
9:17 AM 13 March of 2010?

9:17 AM 14 A. Yes.

9:17 AM 15 Q. In any part of these discussions, did anybody that
9:17 AM 16 participated in them ever indicate that they didn't appreciate
9:17 AM 17 the hazard of loss of well control in connection with drilling
9:17 AM 18 operations?

9:17 AM 19 A. No.

9:18 AM 20 Q. As part of the hazard awareness discussions that you led
9:18 AM 21 in March of 2010, less than a month before the incident, did
9:18 AM 22 anyone raise any concern about BP putting any pressure on the
9:18 AM 23 crew to drill too fast?

9:18 AM 24 A. No.

9:18 AM 25 Q. Did anybody raise any concerns that BP was cutting corners

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9:18 AM 1 in the interest of saving money?

9:18 AM 2 A. No.

9:18 AM 3 Q. Did anybody indicate as part of this meeting on hazard

9:18 AM 4 awareness that BP was sacrificing safety in any way in any of

9:18 AM 5 the decisions that were being made?

9:18 AM 6 A. No.

9:18 AM 7 Q. Did anybody as part of this meeting indicate that BP was

9:18 AM 8 changing too many things too fast for them to be able to keep

9:18 AM 9 up with the operations?

9:19 AM 10 A. No.

9:19 AM 11 Q. And this was less than a month before the incident?

9:19 AM 12 A. Yes, it was.

9:19 AM 13 Q. Now, Mr. Guide, as part of your responsibilities as a

9:19 AM 14 wells team leader, are you held accountable for the safety

9:19 AM 15 performance of your team?

9:19 AM 16 A. Yes, I am.

9:19 AM 17 Q. And is the safety performance of your team part of your

9:19 AM 18 annual assessment or evaluation?

9:19 AM 19 A. Yes, it is.

9:19 AM 20 Q. Okay. And based on your experience at BP, is assessment

9:19 AM 21 for safety performance a part of every person's evaluation?

9:19 AM 22 A. Yes.

9:19 AM 23 Q. Everyone that reports to you, do you assess them on

9:19 AM 24 safety?

9:19 AM 25 A. Yes, I do.

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9:19 AM 1 Q. And to your knowledge, everyone that you report to, do
9:19 AM 2 they assess you on safety performance?
9:19 AM 3 A. Yes, they did.
9:19 AM 4 Q. Let's look at your safety performance -- I'm sorry, your
9:19 AM 5 performance evaluation.
9:19 AM 6 MS. KARIS: TREN-6294. And this is for 2009, year
9:20 AM 7 ending 2009, immediately prior to the incident.
9:20 AM 8 If we can call out -- pull out the year-end
9:20 AM 9 assessment, please. The middle box.
9:20 AM 10 BY MS. KARIS:
9:20 AM 11 Q. Recognizing that it's a little difficult to read, can you
9:20 AM 12 tell us what your 2009 performance assessment was with respect
9:20 AM 13 to safety.
9:20 AM 14 A. Would you just like me to read this?
9:20 AM 15 Q. Sure.
9:20 AM 16 A. "Safety improved dramatically as the year progressed. No
9:20 AM 17 day away from work cases, high potential incidents, or INCs" --
9:20 AM 18 which are incidents of noncompliance with the MMS -- "for the
9:20 AM 19 year. No recordables in the second half. Third party
9:20 AM 20 participation in the SMS," which is the safety management
9:20 AM 21 system, "improved to 18 percent. Implemented safety
9:20 AM 22 improvement plan "Back to the Basics," Stop and Think. THINK
9:21 AM 23 plans for all tasks. I performed more than 1 SOC per trip."
9:21 AM 24 Q. There's a reference there to a safety improvement plan,
9:21 AM 25 implementing a safety improvement plan. What was that about?

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9:21AM 1 A. As I mentioned before, it was the "Back to the Basics,"
9:21AM 2 Stop and Think. So we -- we just wanted them -- wanted the
9:21AM 3 people to understand that it's perfectly fine before they do a
9:21AM 4 task to, you know, stop and think about it before you did it.

9:21AM 5 Q. And so your year-end assessment that safety improved
9:21AM 6 dramatically as the year progressed, is that both personal as
9:21AM 7 well as process safety?

9:21AM 8 A. Yes.

9:21AM 9 MS. KARIS: If we can now look at TREX-6294.3.2,
9:21AM 10 which is, again, part of your performance evaluation.

9:21AM 11 BY MS. KARIS:

9:21AM 12 Q. What was the assessment, to use your words, for -- for
9:21AM 13 what kind of year you had had in 2009?

9:21AM 14 A. 2009 was, as I said here, an excellent year for the whole
9:22AM 15 team.

9:22AM 16 Would you like me to read this, ma'am?

9:22AM 17 Q. Well, just summarize it, if you will.

9:22AM 18 A. It was a really good year both operationally and
9:22AM 19 safety-wise. And I was -- as I said, I was very fortunate to
9:22AM 20 be a part of the team.

9:22AM 21 Q. So you close by saying: "A positive safety culture has
9:22AM 22 been started. It is now important to sustain it. I am
9:22AM 23 fortunate to" -- you missed the word "be" there --

9:22AM 24 A. I'm sorry.

9:22AM 25 Q. Be "part of the team."

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9 : 2 2 A M 1 Is that how you felt in 2009 in connection with your
9 : 2 2 A M 2 performance and management of the *Deepwater Horizon* team?
9 : 2 2 A M 3 A. Yes.
9 : 2 2 A M 4 Q. Did that continue through the day of the incident?
9 : 2 2 A M 5 A. Yes, it did.
9 : 2 2 A M 6 Q. Do you recall what your performance rating was in 2009?
9 : 2 2 A M 7 A. Yes. It was exceeds expectations.
9 : 2 3 A M 8 Q. And exceeds expectations, is that a common rating for a
9 : 2 3 A M 9 wells team leader?
9 : 2 3 A M 10 A. No. It's -- about between 20 to 30 percent of the people
9 : 2 3 A M 11 would get that rating.
9 : 2 3 A M 12 Q. So that's top quartile performance?
9 : 2 3 A M 13 A. Yes.
9 : 2 3 A M 14 Q. And did that measure both your safety performance as well
9 : 2 3 A M 15 as your performance in managing the team overall?
9 : 2 3 A M 16 A. Yes.
9 : 2 3 A M 17 Q. Now, there's been some reference in this case to the Every
9 : 2 3 A M 18 Dollar Matters, and we've heard about that from a number of
9 : 2 3 A M 19 individuals, but I want to ask you personally what that meant
9 : 2 3 A M 20 to you.
9 : 2 3 A M 21 A. Well, from the actual operations standpoint, it meant, you
9 : 2 3 A M 22 know, being efficient.
9 : 2 3 A M 23 Q. Did part of your performance evaluation include an
9 : 2 3 A M 24 assessment on "Every Dollar Matters" or "Cost Performance"?
9 : 2 3 A M 25 A. It did.

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9 : 2 3 A M 1 MS. KARIS: If we can now look at 6294.2.2, please.

9 : 2 3 A M 2 BY MS. KARIS:

9 : 2 3 A M 3 Q. Again, this is from your 2009 evaluation that we were just
9 : 2 4 A M 4 looking at. Under "Cost Performance; Every Dollar Matters,"
9 : 2 4 A M 5 again, you state there that: "The *Horizon* team has embraced
9 : 2 4 A M 6 the 'Every Dollar Matters' culture. Rentals have been reduced
9 : 2 4 A M 7 by approximately \$40,000 per month. Daily operational
9 : 2 4 A M 8 decisions now include the cost component."

9 : 2 4 A M 9 We heard in opening statements that the
9 : 2 4 A M 10 *Deepwater Horizon* team, using this, has embraced the "Every
9 : 2 4 A M 11 Dollar Matters" culture. And you reference there rentals.
9 : 2 4 A M 12 What are you talking about in your performance evaluation about
9 : 2 4 A M 13 embracing the "Every Dollar Matters" culture?

9 : 2 4 A M 14 A. Well, as I mentioned, efficiency, the -- we -- any rig --
9 : 2 4 A M 15 all the rigs rent an enormous amount of equipment, and we just
9 : 2 5 A M 16 sort of "tidied up the house." You know, we got rid of stuff
9 : 2 5 A M 17 that we were never using and -- but it was on the payroll. And
9 : 2 5 A M 18 that was what I'm referencing to. We actually went through and
9 : 2 5 A M 19 then saw we had stuff on the rig that we never used, but we
9 : 2 5 A M 20 were still paying for. And it was over \$40,000 a month.

9 : 2 5 A M 21 Q. And so when we see -- when we saw your evaluation here,
9 : 2 5 A M 22 which speaks to the -- embracing the "Every Dollar Matters"
9 : 2 5 A M 23 culture, you're -- are you referring in part, at least, to the
9 : 2 5 A M 24 fact that you identified \$40,000 a month that was being spent
9 : 2 5 A M 25 inefficiently, tools just sitting on the rig that were not

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9 : 2 5 A M 1 needed?

9 : 2 5 A M 2 A. That's correct.

9 : 2 5 A M 3 Q. Can you give the Court a couple of other examples of where

9 : 2 5 A M 4 you identified inefficiencies under the "Every Dollar Matters"

9 : 2 5 A M 5 or "Every Dollar Counts," quote/unquote, culture that's

9 : 2 5 A M 6 identified here?

9 : 2 5 A M 7 A. Yes. We had a service from Sperry-Sun called INSITE, and

9 : 2 5 A M 8 it was the feed from the rig to the office. And one of the

9 : 2 6 A M 9 Tiger Team members Jonathan Bellow and I went through the list

9 : 2 6 A M 10 of people who were getting the feed and we saw that there was a

9 : 2 6 A M 11 bunch of people that were on the list that weren't part of the

9 : 2 6 A M 12 operation, and even some that didn't even work for BP anymore,

9 : 2 6 A M 13 but we were still paying a daily fee for.

9 : 2 6 A M 14 Q. Do you remember approximately how much you were paying per

9 : 2 6 A M 15 day for these folks that were no longer associated with the

9 : 2 6 A M 16 operations, some of whom were no longer with the company?

9 : 2 6 A M 17 A. About \$100 a day.

9 : 2 6 A M 18 Q. And, in total, how much were you able to save by going

9 : 2 6 A M 19 through the list, identifying who is no longer with the

9 : 2 6 A M 20 operation that needs access to INSITE so that we're not paying

9 : 2 6 A M 21 a daily fee for folks that were gone from the company or gone

9 : 2 6 A M 22 from the project?

9 : 2 6 A M 23 A. It was around \$700,000 for the year.

9 : 2 6 A M 24 Q. Okay. So that's one example.

9 : 2 6 A M 25 Can you give us a couple other examples of how the

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9 : 2 6 A M 1 *Deepwater Horizon* embraced the "Every Dollar Matters" culture
9 : 2 6 A M 2 that's referenced in your performance evaluation?

9 : 2 7 A M 3 A. Yes. We had a UWILD, which is the -- it's the underwater
9 : 2 7 A M 4 inspection in lieu of dry dock -- very strange word.

9 : 2 7 A M 5 Anyway, the rig was going to be shut down for a
9 : 2 7 A M 6 couple of weeks, and we had a bunch of rental equipment on the
9 : 2 7 A M 7 rig that we did use on a day-to-day basis. And we could have
9 : 2 7 A M 8 shipped it all in and then brought it all back out to get it
9 : 2 7 A M 9 off the payroll, but we just went to the vendors and said,
9 : 2 7 A M 10 "Look, you know, will you take this stuff off the payroll while
9 : 2 7 A M 11 we're doing the UWILD? We'll still pay for the people, but
9 : 2 7 A M 12 just" -- and they agreed.

9 : 2 7 A M 13 Q. So by sending tools offsite that you didn't need during
9 : 2 7 A M 14 that UWILD inspection, were you able to also save money under
9 : 2 7 A M 15 the "Cost Performance; Every Dollar Matters"?

9 : 2 7 A M 16 A. Yes.

9 : 2 7 A M 17 Q. Now, we saw during Dr. Bea's testimony an exhibit of a
9 : 2 7 A M 18 document that you created, and I'd like to discuss that exhibit
9 : 2 8 A M 19 with you.

9 : 2 8 A M 20 **MS. KARIS:** 7062.1.3, please.

9 : 2 8 A M 21 **BY MS. KARIS:**

9 : 2 8 A M 22 Q. First of all, is this an e-mail that you sent in May of
9 : 2 8 A M 23 2009?

9 : 2 8 A M 24 A. Yes, it is.

9 : 2 8 A M 25 **MS. KARIS:** And if we can go to the bottom e-mail

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9:28 AM 1 first. My apologies. All the way at the bottom. Yeah.

9:28 AM 2 **BY MS. KARIS:**

9:28 AM 3 **Q.** And the subject of this is "Rig Clerks Performance
9:28 AM 4 Coordinators."

9:28 AM 5 Now, if we can go back to the top.

9:28 AM 6 Dr. Bea testified, page 323, lines 11 to 20, based on
9:28 AM 7 your e-mail, the one you drafted, he was asked:

9:28 AM 8 "QUESTION: What did you say in this e-mail?

9:28 AM 9 "ANSWER: *Deepwater Horizon* has embraced Every Dollar
9:29 AM 10 Matters since I arrived 18 months ago. We have saved
9:29 AM 11 BP millions and no one had to tell us."

9:29 AM 12 That's what you wrote in your e-mail; correct?

9:29 AM 13 **A.** Yes.

9:29 AM 14 **Q.** And then he goes on to say that he took that into
9:29 AM 15 consideration in forming his opinions relating to cost cutting,
9:29 AM 16 and that is that this e-mail reflected that you were saving
9:29 AM 17 money at the expense of safety and operations.

9:29 AM 18 Can you tell the Court what this e-mail is about?

9:29 AM 19 **A.** Yes. The -- we had clerks on our rig and they're --
9:29 AM 20 basically, they handle the logistics of things coming and
9:29 AM 21 going. And there was an initiative to go across the board for
9:29 AM 22 third-party contractors and see if they could get some rates
9:29 AM 23 reduced.

9:29 AM 24 And I just wanted to make sure that if the company
9:30 AM 25 took a rate reduction, that's fine, but I wanted to make sure

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9:30 AM 1 that the clerks' pay didn't get cut.

9:30 AM 2 Q. Okay. So was this part of the PSCM attempt to consolidate

9:30 AM 3 contractors, decrease the number of contractors, and seek

9:30 AM 4 better rates?

9:30 AM 5 A. That's correct.

9:30 AM 6 Q. And as a result of that, there was discussion about

9:30 AM 7 decreasing the rates or the amount that was being paid to a

9:30 AM 8 specific vendor; correct?

9:30 AM 9 A. That's correct.

9:30 AM 10 Q. And fair to say your concern was, you can decrease the

9:30 AM 11 rate that we're paying to the vendor, embrace the "Every Dollar

9:30 AM 12 Matters" culture, but you wanted to make sure that no one was

9:30 AM 13 taking a cut in pay from the clerks who were on the rig?

9:30 AM 14 A. That's right.

9:30 AM 15 Q. Does this e-mail have anything to do at all with

9:30 AM 16 sacrificing operations at the expense of safety?

9:30 AM 17 A. No. I didn't want my guys to take a pay cut.

9:30 AM 18 Q. So when you say you've "embraced the 'Every Dollar

9:31 AM 19 Matters' culture and no one had to tell us," what are you

9:31 AM 20 referring to?

9:31 AM 21 A. Reducing the rental items, items like -- and culling the

9:31 AM 22 INSITE list. Those are the two that, when you add it all up,

9:31 AM 23 you know, we did save millions of dollars.

9:31 AM 24 Q. Did you save -- did you make any decisions about saving

9:31 AM 25 millions of dollars or any amount by not performing operations

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9 : 3 1 A M 1 that you believed were necessary?

9 : 3 1 A M 2 A. No.

9 : 3 1 A M 3 Q. Did you save money for BP in any way by foregoing

9 : 3 1 A M 4 operations that you thought were appropriate in order to save

9 : 3 1 A M 5 rig time?

9 : 3 1 A M 6 A. No.

9 : 3 1 A M 7 Q. Did you at any time sacrifice safety in order to save the

9 : 3 1 A M 8 amount of time or money that the rig -- that BP was going to

9 : 3 1 A M 9 pay for the use of the rig?

9 : 3 1 A M 10 A. No.

9 : 3 1 A M 11 Q. At any time did you sacrifice safety in any way because

9 : 3 1 A M 12 you wanted to rush the rig to get to the next project?

9 : 3 2 A M 13 A. No.

9 : 3 2 A M 14 Q. Let's change subjects.

9 : 3 2 A M 15 I want to talk to you about the drilling plan and

9 : 3 2 A M 16 program that was used at the Macondo well. And you referenced

9 : 3 2 A M 17 earlier that under BP's OMS, operating management system, which

9 : 3 2 A M 18 is the umbrella that applies, Beyond the Best is one of the

9 : 3 2 A M 19 standards and practices that is adopted.

9 : 3 2 A M 20 Are you familiar with the Beyond the Best process?

9 : 3 2 A M 21 A. Yes, I am.

9 : 3 2 A M 22 Q. And now, were you personally involved in planning the

9 : 3 2 A M 23 Macondo well in the fall of -- summer/fall of 2009?

9 : 3 2 A M 24 A. I was not.

9 : 3 2 A M 25 Q. Okay. But are you familiar with the process that was

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9:32 AM 1 applied to that well, the Beyond the Best process?

9:32 AM 2 A. Yes.

9:33 AM 3 Q. Now, has Beyond the Best been around at BP for a long

9:33 AM 4 time?

9:33 AM 5 A. Yes, it was there before I even started with BP.

9:33 AM 6 Q. So for all the wells that you've been involved with at BP,

9:33 AM 7 did it apply the Beyond the Best process?

9:33 AM 8 A. Yes. It's actually a global process. It's all the wells

9:33 AM 9 in BP across the globe.

9:33 AM 10 Q. Okay. We've heard it referred to as a "stage gate"

9:33 AM 11 process. Can you describe what that means, that it's a stage

9:33 AM 12 gate process?

9:33 AM 13 A. Yes. So it takes a good six to eight months to actually

9:33 AM 14 plan a well. So a well starts with an idea from the subsurface

9:33 AM 15 or the geology folks, and this stage gate process just moves

9:33 AM 16 the development of the actual final drilling plan from a

9:33 AM 17 thought to the actual plan we use to drill a well.

9:33 AM 18 Q. And what are the various stages or gates that the well

9:33 AM 19 needs to go through?

9:33 AM 20 A. There's define, appraise, select, and execute.

9:34 AM 21 Q. Let's put up a demonstrative to help refresh your

9:34 AM 22 recollection.

9:34 AM 23 A. I think I got them right.

9:34 AM 24 Q. I think you got them right.

9:34 AM 25 MS. KARIS: D-4072.

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9 : 3 4 A M 1 THE WITNESS: Close.

9 : 3 4 A M 2 BY MS. KARIS:

9 : 3 4 A M 3 Q. Is this a demonstrative that depicts the various stages
9 : 3 4 A M 4 that a well must go through -- each and every well designed and
9 : 3 4 A M 5 executed by BP -- before that well can be drilled and
9 : 3 4 A M 6 completed?

9 : 3 4 A M 7 A. Yes.

9 : 3 4 A M 8 Q. All right. And just to discuss them briefly, we see here
9 : 3 4 A M 9 that there's a stage, and then we have got a stop light there.
9 : 3 4 A M 10 Is that a fair way to depict this; that is, it has to go
9 : 3 4 A M 11 through the process, Stage 1, for example; achieve each of
9 : 3 4 A M 12 these; and then go through a stop light, be assessed, before it
9 : 3 4 A M 13 can be moved to the next stage?

9 : 3 4 A M 14 A. That's correct.

9 : 3 4 A M 15 Q. And can you walk us through the stages? What is Stage 1,
9 : 3 4 A M 16 "Appraise," about?

9 : 3 4 A M 17 A. This is the -- really, the idea piece. Subsurface -- the
9 : 3 5 A M 18 subsurface team thinks they have a location to drill a well,
9 : 3 5 A M 19 and so it's really the high-level piece, to start.

9 : 3 5 A M 20 Q. It's the inception piece?

9 : 3 5 A M 21 A. It's the inception piece.

9 : 3 5 A M 22 Q. Okay. And then it moves on to the Stage 2, "Select,"
9 : 3 5 A M 23 process. What is that?

9 : 3 5 A M 24 A. So select is when you now -- yes, it's a viable project
9 : 3 5 A M 25 from a geologic standpoint. There is no -- as you -- go back

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9:35 AM 1 to -- I'm sorry, go back to the first piece here.

9:35 AM 2 There's no -- no drilling surprises. So it's been
9:35 AM 3 high-level assessed to say, Okay, there's nothing here from a
9:35 AM 4 drilling standpoint that would stop you from proceeding.

9:35 AM 5 And then -- so the select stage, then, is now you're
9:35 AM 6 analyzing all the different options that are available. And
9:35 AM 7 then at the end of select is when you approve the actual well
9:36 AM 8 design. And the terminology is the well design is "frozen."

9:36 AM 9 Q. Okay. And the bottom bullet there says: "Update the
9:36 AM 10 project risk register with additional or modified risk
9:36 AM 11 information."

9:36 AM 12 What does that entail?

9:36 AM 13 A. Yeah. During the appraise piece at the beginning, there's
9:36 AM 14 a high-level risk assessment that's done on the project in
9:36 AM 15 general. Then the well option designs, the various well
9:36 AM 16 options would be assessed for risks. And so then they -- it
9:36 AM 17 would be modified back and forth and then toned more once you
9:36 AM 18 actually pick the well design.

9:36 AM 19 Q. And so part of that requires doing a risk assessment and
9:36 AM 20 then addressing some of those risks in your well design
9:36 AM 21 options. Is that a fair description?

9:36 AM 22 A. That's correct.

9:36 AM 23 Q. And then what does the Stage 3, "Define," entail?

9:36 AM 24 A. That's where the third-party vendors now get involved as
9:37 AM 25 well, especially the directional drilling people, the cement

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9:37 AM 1 people -- I'm sorry, the mud people, in particular. And you go
9:37 AM 2 through and you do an actual detailed design. And you can see
9:37 AM 3 there, there's -- this is peer-reviewed right here. So we get
9:37 AM 4 folks from around the world who would actually fly people in
9:37 AM 5 from different places like Baku or the North Sea, and they
9:37 AM 6 would give an independent assessment of the actual well plan
9:37 AM 7 that's put together.

9:37 AM 8 Then the risks here, when it says the -- or "update
9:37 AM 9 risk register." So all the risks would be identified and then
9:37 AM 10 the mitigation for the risks would actually be put into the
9:37 AM 11 detailed well design.

9:37 AM 12 Q. So you identify the risks and then incorporate those into
9:37 AM 13 the well design for --

9:37 AM 14 A. The mitigation.

9:37 AM 15 Q. I'm sorry, the mitigation --

9:37 AM 16 A. Right.

9:37 AM 17 Q. -- into the well design for each of the stages?

9:38 AM 18 A. Right.

9:38 AM 19 Q. And then once you finish with the detailed well design as
9:38 AM 20 part of the "Define" stage and you've incorporated the
9:38 AM 21 mitigation plans for any risks, does it then move to the
9:38 AM 22 "Execute" phase?

9:38 AM 23 A. Yes. So that would be where the drilling engineers --
9:38 AM 24 it's now finished, it's approved, done. And then that's where
9:38 AM 25 it would be handed over to the operation folks to actually

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9:38 AM 1 execute the job.

9:38 AM 2 Q. Okay. And so your operation becomes involved here as part

9:38 AM 3 of Stage 4, "Execute"?

9:38 AM 4 A. Well, yes, but -- well, Brett Cocalles, in my particular

9:38 AM 5 case, he would be involved from the *Horizon* standpoint all the

9:38 AM 6 way back at the appraise piece.

9:38 AM 7 Q. And so there's a member of your team that's involved from

9:38 AM 8 the beginning, and then the operations team, they really kick

9:38 AM 9 in, if you will, at the "Execute" phase.

9:38 AM 10 A. That's correct.

9:38 AM 11 Q. Now, before the well gets to the "Execute" phase, how many

9:38 AM 12 different folks, on average, have reviewed a well design plan,

9:39 AM 13 peer-reviewed it, and signed off on that plan?

9:39 AM 14 A. Hundreds of people.

9:39 AM 15 Q. There's a reference here to "update the risk register with

9:39 AM 16 mitigation and risk status summaries."

9:39 AM 17 Is there a risk register that is created as part of

9:39 AM 18 this process?

9:39 AM 19 A. Yes.

9:39 AM 20 Q. When you become involved with the "Execute" stage, do you

9:39 AM 21 then have that risk register? Have access to it?

9:39 AM 22 A. Yes.

9:39 AM 23 Q. Now, recognizing that you were not involved in the initial

9:39 AM 24 planning of the Macondo well, by the time that your team got

9:39 AM 25 involved, did you then, in fact, review the risk register for

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9:39 AM 1 the Macondo well?

9:39 AM 2 A. Yes.

9:39 AM 3 Q. Let's look at that risk register.

9:39 AM 4 MS. KARIS: TREX-575 -- I'm sorry. I'm dyslexic.

9:39 AM 5 TREX-757-N, please.

9:39 AM 6 BY MS. KARIS:

9:39 AM 7 Q. Is this the risk register that was created as part of the

9:40 AM 8 stage gate process for the Macondo well?

9:40 AM 9 A. Yes, it was.

9:40 AM 10 MS. KARIS: And, I'm sorry, if we can pull up the

9:40 AM 11 data on top.

9:40 AM 12 BY MS. KARIS:

9:40 AM 13 Q. So this would have been updated June of 2009 as part of

9:40 AM 14 the process; correct?

9:40 AM 15 A. Correct.

9:40 AM 16 Q. Now, I want to discuss just a couple of the items that

9:40 AM 17 were identified on the Macondo risk register specific to this

9:40 AM 18 well.

9:40 AM 19 What's the first risk identified?

9:40 AM 20 A. "Well Control."

9:40 AM 21 Q. Okay. And in your experience, is that a standard risk

9:40 AM 22 that's identified with any well that you're drilling in the

9:40 AM 23 Gulf of Mexico?

9:40 AM 24 A. Well, yes, actually, anywhere.

9:40 AM 25 Q. Anywhere. All right.

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9:40 AM 1 And so there's a description there: "Potential well
9:40 AM 2 control problems, risk of losing the wellbore in an
9:40 AM 3 uncontrolled situation." Correct?

9:40 AM 4 A. Yes.

9:40 AM 5 Q. And then it's got a mitigation plan in place -- or it's
9:40 AM 6 got notes on "Casing program design to mitigate issues";
9:40 AM 7 Correct?

9:40 AM 8 A. Correct.

9:40 AM 9 Q. All right.

9:41 AM 10 And I don't want to go through each of these, but
9:41 AM 11 there's been a suggestion that some risks have not been
9:41 AM 12 identified. What's Risk No. 3 that's identified here?

9:41 AM 13 A. It's "Pore Pressure/Fracture Gradient Uncertainty."

9:41 AM 14 Q. So the risk of pore pressure/fracture gradient
9:41 AM 15 uncertainty, was that also a risk that was identified for this
9:41 AM 16 well?

9:41 AM 17 A. Yes, it was.

9:41 AM 18 Q. Now, as we go through the various operational decisions,
9:41 AM 19 there was some question about what risk assessments were done
9:41 AM 20 in connection with ongoing operations. Do you continue to keep
9:41 AM 21 in mind what risks have already been identified when you
9:41 AM 22 consider whether you need to do a further, quote/unquote,
9:41 AM 23 formal risk assessment?

9:41 AM 24 A. Yes. Yes, we did.

9:41 AM 25 Q. And were you aware of the risks that had already been

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9:41 AM 1 identified as part of this operation through the stage gate
9:41 AM 2 process, as you and others were involved in various operational
9:41 AM 3 decisions, including selecting various operation options for
9:42 AM 4 completing this well -- or temporarily abandoning this well,
9:42 AM 5 more accurately?

9:42 AM 6 A. Yes.

9:42 AM 7 Q. And then there's another one down here for "Tight hole,
9:42 AM 8 stuck pipe"; correct?

9:42 AM 9 A. Yes, correct.

9:42 AM 10 Q. And then finally if we can go to, further down,
9:42 AM 11 TREX-575-N.1.2.

9:42 AM 12 Was the risk of "Zonal Isolation, Risk of good cement
9:42 AM 13 job on the 9 7/8 production casing string" also identified as
9:42 AM 14 early as June of 2009?

9:42 AM 15 A. Yes, it was.

9:42 AM 16 Q. And so were all of these risks something that had already
9:42 AM 17 been formally assessed, including the risk of zonal isolation?

9:42 AM 18 A. Yes. Correct.

9:42 AM 19 Q. And are there mitigations that are then put in place to
9:42 AM 20 address those risks as part of the design and execution plan?

9:42 AM 21 A. Yes.

9:43 AM 22 Q. Mr. Guide, based on your familiarity with the Macondo
9:43 AM 23 well, was the planning -- the design planning process for
9:43 AM 24 Macondo consistent with BP's practices -- Beyond the Best
9:43 AM 25 practices for planning and executing a well?

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9 : 4 3 A M 1 A. Yes, it was.

9 : 4 3 A M 2 Q. Now, after the drilling plan is put together through this

9 : 4 3 A M 3 Beyond the Best process, is that information shared with your

9 : 4 3 A M 4 contractors?

9 : 4 3 A M 5 A. Yes.

9 : 4 3 A M 6 Q. Can you describe for the Court how information is shared

9 : 4 3 A M 7 with the contractors about the drilling plan that is put

9 : 4 3 A M 8 together as well as any risks associated with that plan?

9 : 4 3 A M 9 A. Well, we have what we call a crew engagement meeting or a

9 : 4 3 A M 10 spud meeting with the crew and the third-party contractors.

9 : 4 4 A M 11 Q. Okay. And what happens at a crew engagement meeting?

9 : 4 4 A M 12 A. That's -- we would go through the well plan line by line

9 : 4 4 A M 13 in some cases and hole section by hole section and identify any

9 : 4 4 A M 14 potential issues. And, if necessary, we would modify the

9 : 4 4 A M 15 program.

9 : 4 4 A M 16 Q. And was a crew engagement meeting held for the Macondo

9 : 4 4 A M 17 well, to your knowledge?

9 : 4 4 A M 18 A. Yes.

9 : 4 4 A M 19 Q. Did you, yourself, participate in a crew engagement

9 : 4 4 A M 20 meeting or a pre-spud planning meeting when the

9 : 4 4 A M 21 *Deepwater Horizon* got to the Macondo well?

9 : 4 4 A M 22 A. Yes, I actually gave it.

9 : 4 4 A M 23 Q. Okay. And can you describe for the Court what happened at

9 : 4 4 A M 24 the Macondo well -- what you presented at the crew engagement

9 : 4 4 A M 25 meeting for the Macondo well once the *Deepwater Horizon* arrived

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9 : 4 4 A M 1 there.

9 : 4 4 A M 2 A. Brian Morel and myself and Paul Johnson went to the rig,
9 : 4 4 A M 3 and in the theater room we had about 45, 50 people that were
9 : 4 5 A M 4 available. And Brian went through the preexisting condition of
9 : 4 5 A M 5 the well where the casing strings were set, and then we went
9 : 4 5 A M 6 through, hole section by hole section, what the actual *Horizon*
9 : 4 5 A M 7 operation was going to encompass.

9 : 4 5 A M 8 Q. Who participated in the crew engagement meeting
9 : 4 5 A M 9 company-wise?

9 : 4 5 A M 10 A. Well, mainly Transocean. We also had Halliburton, which
9 : 4 5 A M 11 was both Sperry-Sun and the cementer, the directional driller,
9 : 4 5 A M 12 because we had a lot of different Halliburton services on the
9 : 4 5 A M 13 rig. M-I SWACO, which is the mud contractor, the subsea folks,
9 : 4 5 A M 14 ROV guys. It was basically all the contractors on the rig.

9 : 4 5 A M 15 Q. And approximately how many people participated in this --
9 : 4 5 A M 16 participated in the pre-spud or engagement meeting for the
9 : 4 6 A M 17 Macondo well that you presented at?

9 : 4 6 A M 18 A. It was, I guess, 45 to 50.

9 : 4 6 A M 19 One other important piece I forgot. The geologist on
9 : 4 6 A M 20 the rig also gave a overview of the expected geology of what we
9 : 4 6 A M 21 were going to drill.

9 : 4 6 A M 22 MS. KARIS: If we can now look at TREX-7685.2.

9 : 4 6 A M 23 BY MS. KARIS:

9 : 4 6 A M 24 Q. This is the Macondo Prospect Drilling Program,
9 : 4 6 A M 25 January 2010, and it states "Final" there, signed by Mr. Morel,

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9 : 4 6 A M 1 Mr. Hafle, Mr. Cocalles, Mr. Sims, yourself and Mr. Little.

9 : 4 6 A M 2 MS. KARIS: If we can now go to the table of contents

9 : 4 6 A M 3 for this. Thank you.

9 : 4 6 A M 4 BY MS. KARIS:

9 : 4 6 A M 5 Q. Was this drilling program presented at the crew engagement

9 : 4 6 A M 6 meeting that you attended and presented in?

9 : 4 6 A M 7 A. Yes, it was.

9 : 4 6 A M 8 Q. And is the information that's on this table of contents

9 : 4 6 A M 9 some of the information that was shared as part of this crew

9 : 4 7 A M 10 engagement meeting?

9 : 4 7 A M 11 A. Yes.

9 : 4 7 A M 12 Q. Now, the *Marianas* had been drilling the Macondo well

9 : 4 7 A M 13 before the *Deepwater Horizon* arrived; correct?

9 : 4 7 A M 14 A. Yes.

9 : 4 7 A M 15 Q. Whose rig was the *Marianas* rig?

9 : 4 7 A M 16 A. It was Transocean.

9 : 4 7 A M 17 Q. Did anybody, at any time when you presented this plan at

9 : 4 7 A M 18 the pre-spud meeting, from Transocean indicate any concerns

9 : 4 7 A M 19 they had based on the drilling that had been conducted by the

9 : 4 7 A M 20 *Marianas*?

9 : 4 7 A M 21 A. No.

9 : 4 7 A M 22 Q. And were you aware at that time that there had been some

9 : 4 7 A M 23 losses incurred as well as kicks taken in connection with the

9 : 4 7 A M 24 early drilling of that well?

9 : 4 7 A M 25 A. Yes.

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9 : 4 7 A M 1 Q. Did anybody from Transocean or any of the other
9 : 4 7 A M 2 contractors indicate that they had any concerns that this well
9 : 4 7 A M 3 was an unusual well or atypical well based on those losses or
9 : 4 8 A M 4 any kicks that had occurred?

9 : 4 8 A M 5 A. No.

9 : 4 8 A M 6 Q. I want to talk about one other crew engagement, and then I
9 : 4 8 A M 7 want to talk about a kick that occurred while you were the
9 : 4 8 A M 8 wells team leader.

9 : 4 8 A M 9 Did you also participate after this crew engagement
9 : 4 8 A M 10 in something called -- in a meeting called the "Kaskida Crew
9 : 4 8 A M 11 Engagement"?

9 : 4 8 A M 12 A. Yes, I did.

9 : 4 8 A M 13 Q. Tell the Court, what was the Kaskida? What was the
9 : 4 8 A M 14 Kaskida Crew Engagement? First of all, what is Kaskida?

9 : 4 8 A M 15 A. Kaskida was a well that the *Deepwater Horizon* was going to
9 : 4 8 A M 16 drill. After what was going to be Macondo, we were going to
9 : 4 8 A M 17 P & A a well called "Nile" and then go to Kaskida and drill
9 : 4 8 A M 18 that well. And the crew engagement meeting was for the Kaskida
9 : 4 9 A M 19 well.

9 : 4 9 A M 20 Q. And was that a meeting in which you would similarly
9 : 4 9 A M 21 present the plans for what was going to happen at Kaskida?

9 : 4 9 A M 22 A. That's correct.

9 : 4 9 A M 23 Q. Do you recall approximately when that meeting was held?

9 : 4 9 A M 24 A. It was held March 30th or 29th and 30th. It was the same
9 : 4 9 A M 25 time as the Houma crew engagement.

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9 : 4 9 A M 1 Q. Okay. And so it was late March of 2010; correct?

9 : 4 9 A M 2 A. Right.

9 : 4 9 A M 3 Q. And that would have involved the same crew from the

9 : 4 9 A M 4 *Deepwater Horizon* attending the Kaskida meeting so that they

9 : 4 9 A M 5 can know what was going to happen at Kaskida; correct?

9 : 4 9 A M 6 A. That's correct.

9 : 4 9 A M 7 Q. Did anybody at any time in that meeting express any

9 : 4 9 A M 8 concerns to you that BP was asking for the *Deepwater Horizon*

9 : 4 9 A M 9 team or any of the contractors to sacrifice safety in any way?

9 : 4 9 A M 10 A. No.

9 : 4 9 A M 11 Q. Did anybody in that meeting indicate at any time that BP

9 : 4 9 A M 12 was asking them to cut corners or make any decisions that they

9 : 5 0 A M 13 were uncomfortable with?

9 : 5 0 A M 14 A. No.

9 : 5 0 A M 15 Q. Was there discussion about logistics at the Kaskida crew

9 : 5 0 A M 16 engagement?

9 : 5 0 A M 17 A. Yes, there was.

9 : 5 0 A M 18 Q. Can you tell us why logistics were discussed as part of

9 : 5 0 A M 19 this engagement.

9 : 5 0 A M 20 A. Kaskida was located in the far southwestern part of the

9 : 5 0 A M 21 Gulf of Mexico. And one of the concerns -- I guess that's the

9 : 5 0 A M 22 right word, "concern" -- was going to be it's a very, very long

9 : 5 0 A M 23 boat ride, about a 24-hour work boat ride. In fact, it was

9 : 5 0 A M 24 even a 2-hour helicopter ride. So one of the challenges that

9 : 5 0 A M 25 was identified at the crew engagement meeting was logistical

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9:51AM 1 support for the rig at Kaskida.

9:51AM 2 Q. And was it important to get the logistics in order, then,

9:51AM 3 in order to allow for the ongoing operations?

9:51AM 4 A. Yes.

9:51AM 5 Q. Was that a subject of -- one of the subjects of

9:51AM 6 discussions?

9:51AM 7 A. Yes.

9:51AM 8 Q. Was there also an opportunity to review the various

9:51AM 9 operational issues that would come up at Kaskida?

9:51AM 10 A. Yes.

9:51AM 11 Q. Was there an opportunity then for the rig crew to give any

9:51AM 12 recommendations for adjusting the operations?

9:51AM 13 A. Yes.

9:51AM 14 Q. Do you recall whether that, in fact, happened as part of

9:51AM 15 that meeting?

9:51AM 16 A. It did. It did.

9:51AM 17 Q. Can you tell us about that example.

9:51AM 18 A. Yes. One of the -- we also broke out into groups, and we

9:51AM 19 worked on hole sections as smaller groups. I was part of the

9:51AM 20 beginning of the well, which is the 36-inch, the 28-inch, and

9:52AM 21 the 22-inch. That's the three different casing strings.

9:52AM 22 That's how you start.

9:52AM 23 And usually -- well, the *Horizon* had a unique ability

9:52AM 24 to be able to actually work on all three of these at one time.

9:52AM 25 It was -- it's the way the rig was designed.

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9:52 AM 1 But we were going to do a lot of work on the BOP
9:52 AM 2 stack. And Jimmy Harrell brought up the point where he didn't
9:52 AM 3 think that we would be able to actually work on one of the
9:52 AM 4 strings of casing because the BOP work would be going on
9:52 AM 5 simultaneously.

9:52 AM 6 So the original plan was to do all three at one time,
9:52 AM 7 but we changed that and we decided we would do the 22-inch
9:52 AM 8 independently so -- because we wouldn't be able to work on it
9:52 AM 9 when we were working on the BOP.

9:52 AM 10 Q. Okay. And so did you take Mr. Harrell's input and
9:53 AM 11 actually apply it to the plan for the ongoing operations?

9:53 AM 12 A. Yeah. We changed the plan.

9:53 AM 13 Q. Okay. And was that typical, to participate in crew
9:53 AM 14 engagements, get the contractors' feedback, and then
9:53 AM 15 incorporate their feedback into the ongoing plan?

9:53 AM 16 A. Yeah. That's why we did it.

9:53 AM 17 Q. I was going to ask, was that the very purpose for the
9:53 AM 18 meeting?

9:53 AM 19 A. Yeah. It was twofold. You know, it was also the
9:53 AM 20 third-party contractors, too, the mud guys, the cementing guys,
9:53 AM 21 the directional drillers. Yeah. We -- they have to do it. So
9:53 AM 22 we want them to tell us if there's something we could do better
9:53 AM 23 or something that's not going to work. And it's also to
9:53 AM 24 familiarize them with the plan.

9:53 AM 25 MS. KARIS: Your Honor, I'm switching to a different

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9 : 5 3 A M 1 subject. I'm not sure what time you'd like to take a break.

9 : 5 3 A M 2 I'm happy to proceed.

9 : 5 3 A M 3 **THE COURT:** Let's go for a few more minutes.

9 : 5 3 A M 4 **MS. KARIS:** Okay. Thank you.

9 : 5 3 A M 5 **BY MS. KARIS:**

9 : 5 3 A M 6 **Q.** Now, Mr. Guide, I want to move forward a little in time to
9 : 5 3 A M 7 some of the operations that took place at Macondo while you
9 : 5 3 A M 8 were the well team leader. And I want to start by asking you
9 : 5 4 A M 9 about the March 8th kick that we've heard about.

9 : 5 4 A M 10 Did the Macondo well take a kick on March 8th of
9 : 5 4 A M 11 2010?

9 : 5 4 A M 12 **A.** It did.

9 : 5 4 A M 13 **Q.** Okay. And was it unusual or unheard of for a well in the
9 : 5 4 A M 14 Gulf of Mexico to take a kick?

9 : 5 4 A M 15 **A.** No.

9 : 5 4 A M 16 **Q.** Were you working as the well's team leader when the kick
9 : 5 4 A M 17 actually occurred?

9 : 5 4 A M 18 **A.** No. I actually had delegated my duties to Brett Cocalles.

9 : 5 4 A M 19 **Q.** Okay. And tell us, why had you delegated your duties?

9 : 5 4 A M 20 **A.** My father passed away, and I was at his funeral.

9 : 5 4 A M 21 **Q.** And how did you find out about this March 8th kick, given
9 : 5 4 A M 22 that you had delegated your duties?

9 : 5 4 A M 23 **A.** I had just come back from Pittsburgh and I just by habit
9 : 5 4 A M 24 happened to read the morning report, and it was all written
9 : 5 4 A M 25 down in the morning report.

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9 : 5 4 A M 1 Q. Okay. And what did you do after you learned that the well
9 : 5 4 A M 2 had taken a kick?

9 : 5 5 A M 3 A. I took a shower and went to work.

9 : 5 5 A M 4 Q. And what did you do in connection with the kick?

9 : 5 5 A M 5 A. Well, when I got there, we -- I wanted to help, you know,
9 : 5 5 A M 6 figure out the plan to move forward.

9 : 5 5 A M 7 Q. Given that you had delegated your duties, why did you go
9 : 5 5 A M 8 in, especially under the circumstances?

9 : 5 5 A M 9 A. Because I wanted to help.

9 : 5 5 A M 10 Q. Do you recall any of the details of the size or volume of
9 : 5 5 A M 11 that kick?

9 : 5 5 A M 12 A. At the time, no; later, yes. But at the time, no.

9 : 5 5 A M 13 Q. You said you went in because you wanted to help. Did you
9 : 5 5 A M 14 assist with the operations in connection with circulating out
9 : 5 5 A M 15 the kick and then the ongoing operations?

9 : 5 5 A M 16 A. Yes, I did.

9 : 5 5 A M 17 Q. And describe for us what your involvement was in that
9 : 5 5 A M 18 process.

9 : 5 5 A M 19 A. We put together a team, which was fairly typical, of the
9 : 5 5 A M 20 engineers, myself. And, also, we got our internal well control
9 : 5 6 A M 21 specialist, a gentleman by the name of John Shaughnessy. And
9 : 5 6 A M 22 we also elicited the help of Well Wild Control. And so I put
9 : 5 6 A M 23 together the team and implemented the plan forward.

9 : 5 6 A M 24 Q. Did you have drill pipe get stuck as part of this
9 : 5 6 A M 25 operation?

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9 : 5 6 A M 1 A. Yes.

9 : 5 6 A M 2 Q. What was that about?

9 : 5 6 A M 3 A. Well, it's what happens occasionally, not all the time.

9 : 5 6 A M 4 But when you take a kick, the influx comes in and the actual

9 : 5 6 A M 5 formation grabs the pipe and it -- and you can't move it. And

9 : 5 6 A M 6 that's what's called "being stuck."

9 : 5 6 A M 7 Q. And how was this problem, if you will, solved?

9 : 5 6 A M 8 A. We eventually severed the pipe with a high explosive and

9 : 5 6 A M 9 we left part of the pipe in -- we just left it behind.

9 : 5 6 A M 10 Q. And is that called "sidetracking"?

9 : 5 7 A M 11 A. Yes. Eventually sidetracking.

9 : 5 7 A M 12 Q. I'm sorry. Is that part of the sidetracking process?

9 : 5 7 A M 13 A. Yes.

9 : 5 7 A M 14 Q. What does it mean to sidetrack? We've heard about -- some

9 : 5 7 A M 15 about that.

9 : 5 7 A M 16 A. Well, sidetracking is -- there's different reasons why you

9 : 5 7 A M 17 sidetrack. But in this particular case, the -- so the pipe

9 : 5 7 A M 18 that we severed and left in the hole, now we have to physically

9 : 5 7 A M 19 drill around it and -- we'll just call it sidetracking -- and

9 : 5 7 A M 20 then continue downward.

9 : 5 7 A M 21 Q. And did you take time in order to resolve this issue and

9 : 5 7 A M 22 sidetrack the pipe?

9 : 5 7 A M 23 A. Yes.

9 : 5 7 A M 24 Q. And how much time did it take approximately?

9 : 5 7 A M 25 A. About a week.

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9 : 5 7 A M 1 Q. Did that then result in some delay in the operations at
9 : 5 7 A M 2 the Macondo well?
9 : 5 7 A M 3 A. It did.
9 : 5 7 A M 4 Q. Did you at any time ask anybody to hurry up or cut any
9 : 5 7 A M 5 corners because you were incurring a one-week-or-so delay as a
9 : 5 7 A M 6 result of this incident?
9 : 5 7 A M 7 A. No.
9 : 5 7 A M 8 Q. Now, after the kick was sidetracked, did you find -- I'm
9 : 5 8 A M 9 sorry. After the kick was circulated out and you eventually
9 : 5 8 A M 10 sidetracked, did you find out some information about the kick
9 : 5 8 A M 11 itself; that is, the volume and the time it took in order to
9 : 5 8 A M 12 detect the kick?
9 : 5 8 A M 13 A. Yes.
9 : 5 8 A M 14 Q. Okay. Tell us about that.
9 : 5 8 A M 15 A. The engineers went back and actually analyzed the data
9 : 5 8 A M 16 that was collected real-time, and they determined a kick
9 : 5 8 A M 17 volume, which was about 35 to 40 barrels, and that it actually
9 : 5 8 A M 18 took 25 or 30 minutes to detect it.
9 : 5 8 A M 19 Q. Okay. And what was your reaction to the fact that they
9 : 5 8 A M 20 had taken almost half an hour to detect it and it was about
9 : 5 8 A M 21 30 barrels?
9 : 5 8 A M 22 A. I was disappointed.
9 : 5 8 A M 23 Q. I'm sorry?
9 : 5 8 A M 24 A. I was disappointed.
9 : 5 8 A M 25 Q. Okay. And why were you disappointed?

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9:58 AM 1 A. Well, the *Horizon* drilled exploration wells, and they had
9:58 AM 2 taken kicks before, and it was just more than their standard.
9:58 AM 3 They had a high standard, and usually they caught their kicks
9:59 AM 4 within 20 barrels. And this was more than, you know, the
9:59 AM 5 standard they had set.

9:59 AM 6 Q. And did you communicate with anyone at Transocean that you
9:59 AM 7 were disappointed?

9:59 AM 8 A. I talked to the well site leaders and the OIM.

9:59 AM 9 Q. Okay. Did BP perform an investigation of the
9:59 AM 10 March 8th kick in order to learn some lessons and then figure
9:59 AM 11 out how to apply those to future and ongoing operations?

9:59 AM 12 A. The subsurface people did.

9:59 AM 13 Q. Okay. And did you see the Lessons Learned that the
9:59 AM 14 subsurface team did?

9:59 AM 15 A. I did.

9:59 AM 16 Q. By the way, were you also disappointed with the subsurface
9:59 AM 17 team?

9:59 AM 18 A. Yes, I was.

9:59 AM 19 Q. And tell us why.

9:59 AM 20 A. Part of the subsurface team is called the "Tiger Team,"
9:59 AM 21 and they are the actual folks that put together the pore
9:59 AM 22 pressure fracture gradient prediction. And then we have people
9:59 AM 23 on the rig that are there for real-time pore pressure
9:59 AM 24 detection, and we also have a real-time geologist.

10:00 AM 25 And the main duty of -- one of the duties of the --

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10:00AM 1 well, I'm sorry. The main duty of the real-time pore pressure
10:00AM 2 detection person is to detect pore pressure changes, and taking
10:00AM 3 a kick means you didn't detect your-- did not detect it.

10:00AM 4 Q. And does the Tiger Team remain on the rig until drilling
10:00AM 5 is completed?

10:00AM 6 A. Yes.

10:00AM 7 Q. Is the Tiger Team -- does the Tiger Team then leave the
10:00AM 8 rig after drilling is completed when you're preparing for
10:00AM 9 temporary abandonment?

10:00AM 10 A. Yes, they do.

10:00AM 11 Q. Now, we talked about the Lessons Learned.

10:00AM 12 MS. KARIS: If we could pull up 1021.1.3 from this
10:00AM 13 March 8th kick -- I'm sorry, 1021.1.2.

10:00AM 14 BY MS. KARIS:

10:00AM 15 Q. You said the Tiger Team did a Lessons Learned. Did you
10:00AM 16 receive a copy of that Lessons Learned on March 18th, 2010?

10:01AM 17 A. I did.

10:01AM 18 Q. And Mr. Bodek, was he a member of the Tiger Team?

10:01AM 19 A. Yes, he was.

10:01AM 20 Q. He says: "I've collated the responses to Jon's original
10:01AM 21 e-mail below."

10:01AM 22 Is that you, the "Jon" that he's referring to?

10:01AM 23 A. No, that's actually Jonathan Bellow.

10:01AM 24 Q. Another member of the Tiger Team?

10:01AM 25 A. Yes.

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10:01AM 1 Q. "...we on the Tiger Team have had several discussions over
10:01AM 2 the past few days regarding lessons learned from previous
10:01AM 3 hole-section and a way forward for not only the remainder of
10:01AM 4 Macondo but future exploration wells."

10:01AM 5 And then he says: "Please browse the attached
10:01AM 6 Lessons Learned/plan forward and provide feedback should you
10:01AM 7 feel obligated."

10:01AM 8 Was this part of BP's practice, when you have an
10:01AM 9 incident like the March 8th kick, to conduct the
10:01AM 10 Lessons Learned session and then distribute the information or
10:01AM 11 lesson that's learned to a broad team?

10:01AM 12 A. Yes.

10:01AM 13 Q. Any changes made as a result of this incident and the
10:02AM 14 lessons learned that had been identified by Mr. Bodek here?

10:02AM 15 A. Yeah. For the remainder of the Macondo well, we actually
10:02AM 16 added another person to the rig site to assist in the real-time
10:02AM 17 pore pressure detection.

10:02AM 18 Q. And then were there also revisions to future plans, as
10:02AM 19 Mr. Bodek identifies here?

10:02AM 20 A. So the decision was made that we were going to now stop at
10:02AM 21 predetermined depths and set casing strings. Usually, in
10:02AM 22 exploratory wells you drill and try to find your casing point.
10:02AM 23 It's a common practice.

10:02AM 24 But we made the decision at this point that we
10:02AM 25 weren't going to do that. We were going to drill to a certain

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10:02 AM 1 depth, stop, set casing, then go to the next depth, stop and
10:02 AM 2 set casing.

10:02 AM 3 Q. And so not only did you make adjustments to Macondo, but
10:02 AM 4 then practices and policies changed going forward as a result
10:03 AM 5 of this March 8th incident?

10:03 AM 6 A. That's correct.

10:03 AM 7 Q. Now, did you participate in a phone call with Mr. Sims on
10:03 AM 8 March 13th relating to this March 8th kick?

10:03 AM 9 A. I did.

10:03 AM 10 Q. And had all of the operations in connection with the
10:03 AM 11 March 8th kick been resolved as of that time?

10:03 AM 12 A. No.

10:03 AM 13 Q. What remained to be done as of March 8th?

10:03 AM 14 A. We still had to finish circulating out the kick.

10:03 AM 15 Q. Okay. So you hadn't yet circulated out the kick?

10:03 AM 16 A. That's correct.

10:03 AM 17 Q. And now were you back in your day job, so to speak?

10:03 AM 18 A. Yes.

10:03 AM 19 Q. What was Mr. Sims' position at the time?

10:03 AM 20 A. He was the acting well operations manager.

10:03 AM 21 Q. When you say "acting well operations manager," what do you
10:03 AM 22 mean?

10:03 AM 23 A. Ian Little had got promoted and was moving to London, and
10:03 AM 24 David was going to assume Ian's position. But the actual --
10:04 AM 25 there's a process for Ian to hand over, and that just had not

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10:04 AM 1 been done yet. So he was still called the acting operations
10:04 AM 2 manager.

10:04 AM 3 Q. Okay. Did you and Mr. Sims have a disagreement on the
10:04 AM 4 March 13th call in connection with how to circulate out the
10:04 AM 5 kick?

10:04 AM 6 A. Yes, we did.

10:04 AM 7 Q. Can you tell us about that disagreement.

10:04 AM 8 A. We were all -- we had a phone conversation with the rig,
10:04 AM 9 and the Wild Well Control gentleman was also on the call -- it
10:04 AM 10 was a conference call.

10:04 AM 11 The Wild Well Control gentleman -- we also had
10:04 AM 12 another well site leader who was helping out. He was on the
10:04 AM 13 call along with Jimmy Harrell and Murry and Ronnie on the rig.
10:04 AM 14 And we were at a spot where the general consensus -- well, the
10:04 AM 15 almost unanimous consensus was to proceed a certain way
10:04 AM 16 forward. And this was a recommendation from the rig,
10:04 AM 17 and David wanted to do it a different way.

10:05 AM 18 Q. And were you frustrated with the fact that Mr. Sims wanted
10:05 AM 19 to do it a different way than what the consensus on the rig
10:05 AM 20 was?

10:05 AM 21 A. Yes, I was.

10:05 AM 22 Q. Did Mr. Sims appear to be frustrated to you?

10:05 AM 23 A. Yes, he was frustrated.

10:05 AM 24 Q. What gave you the impression that he was frustrated?

10:05 AM 25 A. Just his tone of voice.

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10:05 AM 1 Q. Okay. And did Mr. Sims subsequently send you an e-mail
10:05 AM 2 expressing his frustration?
10:05 AM 3 A. Yes, he did.
10:05 AM 4 MS. KARIS: If we can now look at TREX-1126.1.1,
10:05 AM 5 please.
10:05 AM 6 BY MS. KARIS:
10:05 AM 7 Q. And did you receive this e-mail following the call that
10:05 AM 8 you had with Mr. Sims in which you expressed your frustration
10:05 AM 9 with him and he expressed his frustration as well?
10:05 AM 10 A. Yes.
10:05 AM 11 Q. What did he write to you?
10:05 AM 12 A. "What did I do to make you mad?"
10:05 AM 13 Q. Did you respond to this e-mail?
10:05 AM 14 A. I did.
10:05 AM 15 MS. KARIS: 1126.1.2, please.
10:05 AM 16 BY MS. KARIS:
10:05 AM 17 Q. What did you tell Mr. Sims about what made you upset?
10:06 AM 18 A. Because he didn't listen.
10:06 AM 19 Q. What do you mean by "he didn't listen"?
10:06 AM 20 A. I had given Mr. Sims feedback earlier that I didn't think
10:06 AM 21 that he listened enough to the guys on the rig and, you know,
10:06 AM 22 and I valued all their opinions and I thought he should listen
10:06 AM 23 to them better. And he -- during this conversation he -- in my
10:06 AM 24 opinion, he didn't listen to them.
10:06 AM 25 Q. And did you -- let me start over again.

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10:06 AM 1 Did you view your role as the wells team leader as
10:06 AM 2 being the spokesperson, if you will, or the eyes and ears of
10:06 AM 3 well site leaders?
10:06 AM 4 A. Yes. Well, they were our eyes and ears on the rig. So --
10:06 AM 5 and these guys have a lot of experience and I value their
10:06 AM 6 opinion, and I thought he should just listen better to them.
10:06 AM 7 Q. Were you trying to communicate to Mr. Sims that you wanted
10:06 AM 8 him to listen better to Ronnie and Murry, who you reference in
10:07 AM 9 this e-mail?
10:07 AM 10 A. Yes. And Jimmy Adams, he was a well site leader as well.
10:07 AM 11 He was helping us out.
10:07 AM 12 Q. Did Mr. Sims respond to your e-mail?
10:07 AM 13 A. He did.
10:07 AM 14 MS. KARIS: If we can look at 1126.1.4.
10:07 AM 15 BY MS. KARIS:
10:07 AM 16 Q. He says there: "I have a much longer response typed, but
10:07 AM 17 I'm not going to send it until I'm back and we can talk. We
10:07 AM 18 need to talk. We cannot fight about every decision."
10:07 AM 19 Did Mr. Sims ever send you a much longer response
10:07 AM 20 than this?
10:07 AM 21 A. No, he did not.
10:07 AM 22 Q. He goes on to say -- first of all, he says: "We cannot
10:07 AM 23 fight about every decision."
10:07 AM 24 Did you take that to be literal, that you were
10:07 AM 25 fighting about every decision?

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10:07 AM 1 A. No.

10:07 AM 2 Q. Why not? Why didn't you take that literally?

10:07 AM 3 A. Because we didn't.

10:07 AM 4 Q. Were there a number of decisions in connection with this

10:07 AM 5 March 8th kick that you and he agreed on?

10:07 AM 6 A. There were a couple of decisions that we didn't agree on

10:07 AM 7 during the March 8th kick.

10:07 AM 8 Q. Were there also decisions that you did agree with him on?

10:08 AM 9 A. Oh, yes, most of them.

10:08 AM 10 Q. You say there, by the way -- I'm sorry, strike that.

10:08 AM 11 He says in this e-mail: "By the way, you said you

10:08 AM 12 agreed 100 percent with me this morning. Bleeding the pipe off

10:08 AM 13 bottom and while underbalanced to the kick zone is wrong."

10:08 AM 14 Tell us what that was about where he says you agreed

10:08 AM 15 with him.

10:08 AM 16 A. Well, we actually had a conversation prior to the call and

10:08 AM 17 he was making some comments about, you know, different things.

10:08 AM 18 And I did agree with him. But once we got the rig on the line

10:08 AM 19 and they explained what they did, well, it changed.

10:08 AM 20 Q. Okay. And did this pertain to -- this conversation, did

10:08 AM 21 it pertain to how to bleed off the kick or how to come out of

10:08 AM 22 the kick, if you will, bleed off the pressure?

10:08 AM 23 A. Yes, it did. It did.

10:08 AM 24 Q. Did Mr. Sims have one point of view as to what engineering

10:08 AM 25 approach should be taken, and you and the wells site leaders

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10:08 AM 1 and Mr. Adams have a different approach?

10:09 AM 2 A. Yes, we did.

10:09 AM 3 Q. And when it says you agreed with him, is he correct that

10:09 AM 4 in the morning you agreed with him, but then after speaking to

10:09 AM 5 the well site leaders, Mr. Adams and others, you had a

10:09 AM 6 different point of view?

10:09 AM 7 A. That's correct, which is one of the reasons I said, you

10:09 AM 8 didn't listen.

10:09 AM 9 Q. Okay. And so the "you didn't listen" pertained to the

10:09 AM 10 fact that you felt you had taken their input and changed your

10:09 AM 11 mind?

10:09 AM 12 A. Yes. We didn't even have their input when we had our

10:09 AM 13 first conversation. We were just discussing things. And then

10:09 AM 14 we got the story.

10:09 AM 15 Q. Okay. And then he goes on to say at the bottom there: "I

10:09 AM 16 will hand this well over to you in the morning and then you

10:09 AM 17 will be able to do whatever you want. I would strongly

10:09 AM 18 suggest, for everyone's sake, that you make logical decisions

10:09 AM 19 based on facts after weighing all the opinions."

10:09 AM 20 Why was Mr. Sims handing this well over to you in the

10:09 AM 21 morning?

10:09 AM 22 A. He was going on vacation.

10:09 AM 23 Q. Okay. And did you and -- did Mr. Sims, in fact, go on

10:10 AM 24 vacation?

10:10 AM 25 A. Yes, he did.

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10:10 AM 1 Q. And did you and the team continue to work on circulating
10:10 AM 2 out the kick?
10:10 AM 3 A. Yes, we did.
10:10 AM 4 Q. Were you able to successfully circulate out the kick?
10:10 AM 5 A. Yes, we did.
10:10 AM 6 Q. Was your disagreement with Mr. Sims over this issue
10:10 AM 7 resolved?
10:10 AM 8 A. Yes, it was.
10:10 AM 9 Q. Did you continue working with Mr. Sims after this point?
10:10 AM 10 A. I did.
10:10 AM 11 MS. KARIS: Now, if we can look at TRES-1148, please.
10:10 AM 12 Call out the bottom e-mail. Actually, it's
10:10 AM 13 1148.1.6.
10:10 AM 14 BY MS. KARIS:
10:10 AM 15 Q. Is this an e-mail Mr. Sims sent you the following day
10:10 AM 16 before he went on vacation in connection with this kick?
10:11 AM 17 A. Yes, it was.
10:11 AM 18 Q. All right. And he says, "Dave wants Jon" -- would that be
10:11 AM 19 John Shaughnessy?
10:11 AM 20 A. No, that was Jon Sprague.
10:11 AM 21 Q. "Dave wants Jon Sprague in the loop, so if you make any
10:11 AM 22 significant changes to the plan, please make sure you get Jon's
10:11 AM 23 concurrence, Dave will ask."
10:11 AM 24 And then he closes by saying: "I hope everything
10:11 AM 25 goes well and you have a smooth, quiet week. Everyone will

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10:11AM 1 breathe easier when we get that plug set."

10:11AM 2 What did you understand Mr. Sims to be telling you in
10:11AM 3 connection with this communication after he had sent you that
10:11AM 4 other e-mail the prior day?

10:11AM 5 A. I think he was reconciling his differences and hoping
10:11AM 6 everything goes well.

10:11AM 7 Q. And did you agree that things were going to go smoother,
10:11AM 8 at least everybody could breathe easier once you circulated out
10:11AM 9 the kick and resumed operations?

10:11AM 10 A. Yes.

10:11AM 11 Q. Was this a high-stress time, if you will, for you given
10:12AM 12 everything that was going on with you personally as well as
10:12AM 13 coming back to this incident?

10:12AM 14 A. Yes, it was.

10:12AM 15 Q. Did you take Mr. Sims' statement there as him getting over
10:12AM 16 his frustration with you and responding?

10:12AM 17 A. Yes, I did.

10:12AM 18 Q. And did you respond to Mr. Sims?

10:12AM 19 A. I did.

10:12AM 20 MS. KARIS: If we can look at TREX-1148.1.4.

10:12AM 21 BY MS. KARIS:

10:12AM 22 Q. Is this the response that you sent to him?

10:12AM 23 A. Yes, it was.

10:12AM 24 Q. And what did you tell him in response?

10:12AM 25 A. I said: "Got it, I'll visit with Jon regardless . . .

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10:12 AM 1 Have a nice peaceful time off. I give you my word I will
10:12 AM 2 consult the team and make well thought out decisions.
10:12 AM 3 "Will you be my Valentine?"
10:12 AM 4 Q. Why did you say to him "Will you be my Valentine?"
10:12 AM 5 A. Just, you know, reconciling our differences, he's my
10:12 AM 6 friend.
10:12 AM 7 Q. Do you recall his response back to you --
10:12 AM 8 A. Yes.
10:13 AM 9 Q. -- right at the top there?
10:13 AM 10 MS. KARIS: Will you call it out.
10:13 AM 11 THE WITNESS: "Forever yours."
10:13 AM 12 BY MS. KARIS:
10:13 AM 13 Q. How did you take that then, when Mr. Sims responded and
10:13 AM 14 said, "Forever yours" to "Will you be my Valentine?"
10:13 AM 15 A. To me that meant that this is behind us, we're moving on.
10:13 AM 16 Q. Did you have a long-term friendship with Mr. Sims at this
10:13 AM 17 point as well as a professional relationship with him?
10:13 AM 18 A. Both.
10:13 AM 19 Q. Did you view that situation as one in which there were
10:13 AM 20 differences of opinion or engineering judgment in how to go
10:13 AM 21 forward?
10:13 AM 22 A. Yes. I mean, it's -- and that's very common. I mean,
10:13 AM 23 there's -- there's many different decisions where there's
10:13 AM 24 different opinions.
10:13 AM 25 Q. And after Mr. Sims returned from vacation, did he send you

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10:13 AM 1 an e-mail expressing his view as to how you had handled this
10:13 AM 2 situation?

10:13 AM 3 A. Yes.

10:13 AM 4 MS. KARIS: And if we can now look at 5973.1.6,
10:13 AM 5 please.

10:13 AM 6 BY MS. KARIS:

10:13 AM 7 Q. This is Mr. Sims' e-mail back to you when he comes back
10:14 AM 8 from vacation. He says: "Thanks, John. Vacation was great.
10:14 AM 9 You did a great job getting redrilled."

10:14 AM 10 A. Yes.

10:14 AM 11 Q. What is that referencing?

10:14 AM 12 A. To getting the well -- the kick circulated out, getting
10:14 AM 13 the cement plug set and getting sidetracked.

10:14 AM 14 Q. So is Mr. Sims complimentary of your efforts in connection
10:14 AM 15 with dealing with the March 8th kick?

10:14 AM 16 A. Yes, he was.

10:14 AM 17 MS. KARIS: Your Honor, I'm about to switch to a
10:14 AM 18 different subject.

10:14 AM 19 THE COURT: Let's go ahead and take a 15-minute
10:14 AM 20 break.

10:14 AM 21 THE DEPUTY CLERK: All rise.
10:14 AM 22 (WHEREUPON, the Court took a recess.)

10:35 AM 23 THE DEPUTY CLERK: All rise.

10:35 AM 24 THE COURT: Please be seated, everyone.
10:35 AM 25 All right. Ms. Karis.

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10:35 AM 1 MS. KARIS: Thank you, Your Honor.

10:35 AM 2 BY MS. KARIS:

10:35 AM 3 Q. Mr. Guide, I want to continue now by talking about the
10:36 AM 4 operations at the Macondo well in the weeks following the
10:36 AM 5 March 8th kick. From March 8th until you stopped drilling at
10:36 AM 6 Macondo on April 9th of 2010, did you encounter any other
10:36 AM 7 difficulties or challenges?

10:36 AM 8 A. Yes, we did.

10:36 AM 9 Q. Okay. And can you tell us what the challenge was that you
10:36 AM 10 encountered?

10:36 AM 11 A. We had losses in the last hole section.

10:36 AM 12 Q. And was a decision made to call total depth, true vertical
10:36 AM 13 depth, earlier than was originally anticipated?

10:36 AM 14 A. Yes, it was.

10:36 AM 15 Q. What is your understanding as to why that decision was
10:36 AM 16 made?

10:36 AM 17 A. This well had two objectives, a primary and a secondary.
10:36 AM 18 Once we made the decision to actually stop at certain points as
10:37 AM 19 opposed to finding the points, it was really going to limit the
10:37 AM 20 ability to go to the next objective, which was about 1,000 feet
10:37 AM 21 deeper than the primary one.

10:37 AM 22 Q. Okay. When you say stop at certain points rather than
10:37 AM 23 find the next points, what are you talking about?

10:37 AM 24 A. The original plan had us setting 9 7/8 casing through the
10:37 AM 25 primary objective, and then after that, drilling the next hole

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10:37 AM 1 section. But we made the decision to actually stop and set the
10:37 AM 2 9 7/8 casing early. So that was going to possibly not enable
10:37 AM 3 us to get to the secondary objective.
10:37 AM 4 Q. Okay. And what was the final depth of this well?
10:37 AM 5 A. 18,360 feet, measured depth.
10:37 AM 6 Q. And that objective -- or the drilling stopped in
10:38 AM 7 connection with that depth and that objective on April 9th of
10:38 AM 8 2010; is that correct?
10:38 AM 9 A. That's correct.
10:38 AM 10 Q. Now, did the decision to stop drilling at 18,360 feet at a
10:38 AM 11 depth shallower than was originally anticipated, did that have
10:38 AM 12 an impact on some of the plans going forward?
10:38 AM 13 A. Yes, it did.
10:38 AM 14 Q. Can you describe that for us.
10:38 AM 15 A. The -- do you want -- I mean --
10:38 AM 16 Q. Just general overview, if you will, and then we'll talk
10:38 AM 17 about some of the individual operations.
10:38 AM 18 A. Okay. Well, the main thing it changed was the hole size
10:38 AM 19 configuration changed and, therefore, the casing configuration
10:38 AM 20 was going to have to change, and that was the largest impact.
10:38 AM 21 Q. Okay. So did that then require further consideration of
10:38 AM 22 the casing configuration?
10:38 AM 23 A. Yes, it did.
10:38 AM 24 Q. We're going to talk about the casing configuration --
10:39 AM 25 that's the discussion of the long-string versus the liner -- in

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10:39 AM 1 a minute.

10:39 AM 2 But before we get to that, I want to ask you, after
10:39 AM 3 the well was drilled on April 9th, subsequently, did there come
10:39 AM 4 a situation where you had to change out the well site leader
10:39 AM 5 who was on the rig, Mr. Sepulvado, and have Mr. Kaluza go out
10:39 AM 6 and replace him?

10:39 AM 7 A. Yes.

10:39 AM 8 Q. Do you recall when that occurred?

10:39 AM 9 A. It was on April 16th.

10:39 AM 10 Q. Explain to us how that came about.

10:39 AM 11 A. Mr. Sepulvado had earlier identified that he had to attend
10:39 AM 12 well control school. It's a requirement, you have to have your
10:39 AM 13 certification. It's the law. And also he needed to go and be
10:39 AM 14 available for his daughter's graduation. So we had known
10:39 AM 15 previously that we were going to have to have a fill-in for
10:39 AM 16 Mr. Sepulvado for a couple of days.

10:39 AM 17 Q. Were you involved in the decision to have Mr. Kaluza
10:39 AM 18 replace Mr. Sepulvado?

10:39 AM 19 A. Yes, I was.

10:40 AM 20 Q. Tell us how you went about that.

10:40 AM 21 A. We have a gentleman named Keith Daigle who keeps track of
10:40 AM 22 all the different well site leader assignments through the
10:40 AM 23 Gulf of Mexico. After Ronnie sent me his e-mail telling me
10:40 AM 24 about his requirements, I got with Keith and then Keith sourced
10:40 AM 25 out who was available at the time.

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10:40 AM 1 Q. And did you have communication with Mr. Daigle about
10:40 AM 2 sending Mr. Kaluza out to the rig since Mr. Sepulvado could not
10:40 AM 3 be out there at that time?
10:40 AM 4 A. Yes, I did.
10:40 AM 5 Q. Do you know who Tony Emerson is?
10:40 AM 6 A. I do.
10:40 AM 7 Q. Who is Mr. Emerson?
10:40 AM 8 A. Mr. Emerson was my counterpart on the *Thunder Horse PDQ*,
10:40 AM 9 which is a large drilling rig on the Thunder Horse platform,
10:40 AM 10 and Bob worked for Mr. Emerson.
10:40 AM 11 Q. Was Mr. Emerson also involved in the decision to send out
10:40 AM 12 Mr. Kaluza?
10:40 AM 13 A. Yes, he was.
10:40 AM 14 Q. What was his involvement?
10:40 AM 15 A. He just -- I just verified with Tony that, one, Bob was
10:41 AM 16 available, and then he made arrangements with Bob that he was
10:41 AM 17 going to go to the *Horizon* for four days.
10:41 AM 18 Q. Okay. Now, at the time Mr. Kaluza was being sent out to
10:41 AM 19 the *Deepwater Horizon* -- I think you said he was on the *PDQ*?
10:41 AM 20 A. *Thunder Horse PDQ*.
10:41 AM 21 Q. *Thunder Horse PDQ*. What is the *Thunder Horse PDQ*?
10:41 AM 22 A. Thunder Horse is one of our biggest fields in the world.
10:41 AM 23 It's located in the Mississippi Canyon, in the deepwater Gulf
10:41 AM 24 of Mexico. It's a large production platform that at the time
10:41 AM 25 had, I think, about 250,000 barrels of oil a day flowing

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10:41 AM 1 through it.

10:41 AM 2 On top of the platform there was a drilling rig, and
10:41 AM 3 Mr. Kaluza was a well site leader on that rig.

10:41 AM 4 Q. So was Mr. Kaluza coming from another deepwater Gulf of
10:41 AM 5 Mexico drilling rig when he came on to the *Deepwater Horizon*?

10:42 AM 6 A. Yes.

10:42 AM 7 Q. Prior to Mr. Kaluza arriving at the *Deepwater Horizon*, did
10:42 AM 8 you have occasion to speak with him?

10:42 AM 9 A. I did.

10:42 AM 10 Q. Tell us about that.

10:42 AM 11 A. We have a semi-annual well site leader meeting. It's when
10:42 AM 12 we get all the well site leaders that are on a certain hitch
10:42 AM 13 and they all come together and have a couple-day meeting with
10:42 AM 14 them where, you know, we discuss safety, performance,
10:42 AM 15 operations. We bring in guest speakers, and Bob was at that
10:42 AM 16 meeting, which was on the 14th and 15th of April. And I
10:42 AM 17 discussed with him, you know, what the upcoming operation was
10:42 AM 18 going to be.

10:42 AM 19 Q. Did Mr. Kaluza express any concerns to you about what the
10:42 AM 20 stage of the operations was or his ability to oversee those
10:42 AM 21 operations?

10:42 AM 22 A. No.

10:42 AM 23 Q. Did you have any concerns after speaking with Mr. Emerson
10:43 AM 24 as well as Mr. Daigle about Mr. Kaluza's ability to serve as a
10:43 AM 25 well site leader on the operations in the *Deepwater Horizon*?

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10:43 AM 1 A. No.

10:43 AM 2 Q. Now, once Mr. Kaluza got to the rig, were there other

10:43 AM 3 sources of information available to him to inform himself as to

10:43 AM 4 the ongoing operations, above and beyond the conversation that

10:43 AM 5 you had?

10:43 AM 6 A. Yes. We have a --

10:43 AM 7 Q. Tell us what those are. I'm sorry. Go ahead.

10:43 AM 8 A. Yes. We have a system that we have two well site leaders

10:43 AM 9 on the rig at all times and sometimes three. But we always

10:43 AM 10 overlap -- overlap their hitches by a week, so it's a staggered

10:43 AM 11 hitch. So there's always been a BP well site leader on the rig

10:43 AM 12 for at least a week before the new well site leader comes

10:43 AM 13 onboard.

10:43 AM 14 Q. And who was the BP well site leader who was on hitch for

10:43 AM 15 at least one week before Mr. Kaluza arrived there?

10:43 AM 16 A. Don Vidrine.

10:43 AM 17 Q. And was Mr. Vidrine going to remain on the rig through the

10:44 AM 18 first week at least of Mr. Kaluza's operations?

10:44 AM 19 A. Yes. Well, he was only going to be there four days,

10:44 AM 20 Mr. Kaluza.

10:44 AM 21 Q. Mr. Kaluza was going to be there for a few days, so

10:44 AM 22 Mr. Vidrine would have been there the entire time?

10:44 AM 23 A. Yes.

10:44 AM 24 Q. Now, there's been some assertion in this case that the

10:44 AM 25 change-out of Mr. Kaluza -- Mr. Sepulvado with Mr. Kaluza

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10:44 AM 1 occurred during, in quotes, critical operations.

10:44 AM 2 Do you agree with that statement?

10:44 AM 3 A. Well, every operation is critical, but anything in
10:44 AM 4 particular to this one, no.

10:44 AM 5 Q. That was going to be my question. Was there anything
10:44 AM 6 unique about conducting a temporary abandonment as part of
10:44 AM 7 operations?

10:44 AM 8 A. No.

10:44 AM 9 Q. Were you satisfied, based on the conversations that you
10:44 AM 10 had had with Mr. Kaluza himself as well as his supervisor,
10:44 AM 11 Mr. Daigle, that Mr. Kaluza could, in fact, act as a well site
10:45 AM 12 leader on the *Deepwater Horizon* during temporary abandonment
10:45 AM 13 procedures?

10:45 AM 14 A. Yes.

10:45 AM 15 Q. And what gave you that level of satisfaction and comfort?

10:45 AM 16 A. I knew all the training that the BP well site leaders go
10:45 AM 17 through and Bob had a lot of training, plus a lot of
10:45 AM 18 experience, and he also was a petroleum engineer, and I had no
10:45 AM 19 reason not to believe that he was more than qualified. All of
10:45 AM 20 our well site leaders are qualified.

10:45 AM 21 Q. Let's change topics now. You referenced that as a result
10:45 AM 22 of calling true vertical depth a little earlier than
10:45 AM 23 anticipated, one of the issues was considering what the
10:45 AM 24 production casing was going to be given the hole size. Do you
10:45 AM 25 recall that?

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10:45 AM 1 A. Yes.

10:45 AM 2 Q. All right. Were you involved in discussions relating to

10:46 AM 3 what type of production casing would be used at the Macondo

10:46 AM 4 well?

10:46 AM 5 A. I was.

10:46 AM 6 Q. Who was responsible for making the decision about the type

10:46 AM 7 of production casing to use?

10:46 AM 8 A. That was the engineering team.

10:46 AM 9 Q. What was the plan, the original plan, for what type of

10:46 AM 10 production casing would be used?

10:46 AM 11 A. It was a long string and 9 7/8 casing was the original

10:46 AM 12 plan.

10:46 AM 13 Q. And was a long string the production casing that was

10:46 AM 14 ultimately used?

10:46 AM 15 A. Yes.

10:46 AM 16 Q. Were there some discussions about possibly changing from

10:46 AM 17 the original plan of a long string and going now to a different

10:46 AM 18 plan, a liner?

10:46 AM 19 A. Yes, there was.

10:46 AM 20 Q. Can you tell us what led to those discussions.

10:46 AM 21 A. Yes. We were at the well site leader meeting and we --

10:46 AM 22 Jon Sprague and David Sims, said, "Okay, we need to have a

10:47 AM 23 discussion with the engineering folks about the actual

10:47 AM 24 cementing of the production casing."

10:47 AM 25 So during that meeting, we -- Mr. Sprague had a

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10:47 AM 1 PowerPoint presentation and he, Mr. Sims, a gentleman by the
10:47 AM 2 name of Terry Miglicco, who was the completion engineering team
10:47 AM 3 leader, and myself participated in a phone call with Greg Walz
10:47 AM 4 and Brad and I think Mr. Hafle back at the office about the
10:47 AM 5 operations.

10:47 AM 6 Q. Okay. Now, since you're a member of the operations team
10:47 AM 7 and it's an engineering team decision regarding what kind of
10:47 AM 8 casing would be used, why are you involved in those
10:47 AM 9 discussions?

10:47 AM 10 A. Mainly, for -- they asked my input, but mainly for
10:47 AM 11 information because the well site leaders need to get the
10:47 AM 12 material out there, they need to get the people out there. So
10:47 AM 13 I needed to know what they wanted to do.

10:47 AM 14 Q. Okay.

10:47 AM 15 MS. KARIS: Let's look at TREX-41625-N.1, please.

10:48 AM 16 BY MS. KARIS:

10:48 AM 17 Q. You mentioned a PowerPoint presentation that Mr. Sprague
10:48 AM 18 gave. Is this that PowerPoint presentation, TREX-41625?

10:48 AM 19 A. Yes.

10:48 AM 20 Q. Who led this presentation, if you recall?

10:48 AM 21 A. Greg Walz from the office side really led the discussion,
10:48 AM 22 and Mr. Sprague from the actual meeting I was in.

10:48 AM 23 Q. And remind us again, are those gentlemen both on the
10:48 AM 24 engineering team?

10:48 AM 25 A. Yes. Greg was the engineering team leader, and

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10:48 AM 1 Jon Sprague was his boss.

10:48 AM 2 MS. KARIS: If we can go to 41625-N, as in Nicholas,

10:48 AM 3 .1.9, please.

10:48 AM 4 BY MS. KARIS:

10:48 AM 5 Q. There's a reference in here that the "Long string of

10:48 AM 6 9 7/8 by 7-inch casing was the primary option."

10:48 AM 7 Can you tell us why the long string was the primary

10:49 AM 8 option, past tense?

10:49 AM 9 A. It was -- it was -- the long string was in the original

10:49 AM 10 basis of design for the well.

10:49 AM 11 Q. And was there then consideration to moving away from the

10:49 AM 12 long string and going towards a liner?

10:49 AM 13 A. Yes. As the first bullet says, it says: "Cement

10:49 AM 14 simulations indicate it is unlikely to be a successful cement

10:49 AM 15 job due to formation breakdown."

10:49 AM 16 Q. And what cement simulations were being referenced there?

10:49 AM 17 A. These were Halliburton's OptiCem cement simulation

10:49 AM 18 program.

10:49 AM 19 Q. What was it about those cement simulation programs that

10:49 AM 20 led to the conclusion that it was unlikely to be a successful

10:49 AM 21 cement job due to formation breakdown?

10:49 AM 22 A. The simulation was predicting that when the cement was

10:49 AM 23 actually pumped, that the pressure that it was going to put on

10:49 AM 24 the -- the actual Macondo reservoir was going to be greater

10:49 AM 25 than what it could withstand and we would lose circulation.

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10:50 AM 1 Q. And was there a review of those simulations?

10:50 AM 2 A. Yes, there was.

10:50 AM 3 Q. And tell us about that.

10:50 AM 4 A. The simulations were -- well, there were several

10:50 AM 5 simulations and then Mr. Sims astutely pointed out that the --

10:50 AM 6 one of the outputs of the program were not accurately

10:50 AM 7 predicting the numbers that we really saw.

10:50 AM 8 Q. What do you mean by the outputs were not accurately

10:50 AM 9 predicting the numbers that you saw? What numbers?

10:50 AM 10 A. One of the -- one of the features of this program, it

10:50 AM 11 calculates the compressibility of the mud. This kind of

10:50 AM 12 drilling fluid or mud that we use is a synthetic oil-based mud,

10:50 AM 13 so it can actually be compressed. Just picture that. So the

10:50 AM 14 surface number in this particular case was a

10:51 AM 15 14-pound-per-gallon equivalent, and the actual numbers that we

10:51 AM 16 saw from the readings we got was 14.2.

10:51 AM 17 But for some reason, the cement model was saying --

10:51 AM 18 the input was 14, but the bottom number was 14.5.

10:51 AM 19 Q. So you had actual readings that indicated 14.2, but the

10:51 AM 20 model was predicting 14.5?

10:51 AM 21 A. Correct.

10:51 AM 22 Q. And did you rely on the actual readings since you had data

10:51 AM 23 for those numbers?

10:51 AM 24 A. Yes.

10:51 AM 25 Q. And so what happened in connection with correcting the

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10:51AM 1 model?

10:51AM 2 A. Well, after they -- they somehow corrected the model --

10:51AM 3 they said, "fudged it" -- I don't know how they did it -- to

10:51AM 4 get the accurate 14.2. And then when they reran the

10:51AM 5 simulations, it changed the results.

10:51AM 6 Q. And did they rerun the simulations now using 14.2, the

10:52AM 7 actual data that you had?

10:52AM 8 A. Yes.

10:52AM 9 Q. Okay. What, if anything, did that tell you, as somebody

10:52AM 10 who reviewed this, about the accuracy of that OptiCem model?

10:52AM 11 A. Well, I actually have a lot of experience with the OptiCem

10:52AM 12 models, not as in the model itself, but we ran one for every --

10:52AM 13 every casing string that we cemented. And so, you know, it's a

10:52AM 14 model, sometimes it was right and sometimes it wasn't.

10:52AM 15 Q. Was the model then corrected?

10:52AM 16 A. Yes, it was.

10:52AM 17 Q. Was there a subsequent discussion, then, as to whether you

10:52AM 18 could now, after correcting the model, run the 9 7/8 by 7-inch

10:52AM 19 production casing?

10:52AM 20 A. Yes.

10:52AM 21 MS. KARIS: If we could now look at TREN-8146.3,

10:52AM 22 please. And then 8146.8.1.

10:53AM 23 BY MS. KARIS:

10:53AM 24 Q. Was the PowerPoint presentation updated after the

10:53AM 25 corrected inputs were put into the OptiCem model?

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10:53 AM 1 A. Yes, it was.

10:53 AM 2 Q. And what did that model then show after the corrections
10:53 AM 3 were made?

10:53 AM 4 A. That the long string, which was the original basis of
10:53 AM 5 design, it indicated that it could be successfully cemented.

10:53 AM 6 Q. And is that what the first bullet there says?

10:53 AM 7 A. Yes.

10:53 AM 8 Q. So does the long string then become, again, as it says
10:53 AM 9 there, the primary option?

10:53 AM 10 A. That's correct.

10:53 AM 11 Q. There's a reference to the bottom there of "best economic
10:53 AM 12 case and well integrity case for future completions
10:53 AM 13 operations."

10:53 AM 14 Can you explain to the Court what that bullet is
10:53 AM 15 about in connection with the long string?

10:53 AM 16 A. Yes. So the -- from the economic case, it's -- it takes
10:53 AM 17 less -- less steps to run a long string than it does to run a
10:54 AM 18 liner and subsequently tie the liner back. So it just takes
10:54 AM 19 more steps.

10:54 AM 20 Q. Does the tieback occur as part of these operations?

10:54 AM 21 A. No, no. It would have been done by a different rig
10:54 AM 22 several years in the future.

10:54 AM 23 Q. So when we talk about it being 7 to 10 million less, or
10:54 AM 24 whatever amount we're going to see, is that part of the overall
10:54 AM 25 or is that at this stage?

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10:54 AM 1 A. It's the overall budget for the well.

10:54 AM 2 Q. So that's the reference to the best economic case.

10:54 AM 3 What about the well integrity case? Why is it the
10:54 AM 4 best well integrity case to use a long string?

10:54 AM 5 A. The long string of casing is a continuous tube, so there's
10:54 AM 6 no holes or splits in it. A liner and a tieback has a split
10:54 AM 7 that's actually -- it's a seal -- it's sealed, but there is an
10:55 AM 8 actual split. And these wells, deepwater wells, they get hot
10:55 AM 9 and they get cold and things move around, they're dynamic.
10:55 AM 10 From past experiences, it's just, you know, a fact that this
10:55 AM 11 split that's sealed starts to leak.

10:55 AM 12 So from the long-term wellbore integrity, a
10:55 AM 13 continuous tube is better.

10:55 AM 14 Q. Had you had prior experiences running both long-string
10:55 AM 15 production casing as well as liners in the 30 years that you've
10:55 AM 16 been in this industry?

10:55 AM 17 A. Yes, many times.

10:55 AM 18 Q. And have you successfully run long strings in the Gulf of
10:55 AM 19 Mexico?

10:55 AM 20 A. Many, many times.

10:55 AM 21 Q. Now, the liner that was being considered, did you
10:55 AM 22 completely abandon that option?

10:55 AM 23 A. No.

10:55 AM 24 Q. Tell us what happened with the possibility of running a
10:55 AM 25 liner.

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10:55 AM 1 A. The engineers wanted it as a contingency, but moreover
10:56 AM 2 than that, they wanted all the pieces on the rig. So it wasn't
10:56 AM 3 just a contingency plan, it was actually an option we could
10:56 AM 4 switch to if we got information that would indicate it was
10:56 AM 5 better to run a liner.

10:56 AM 6 Q. Okay. So did you and your team take actions in order to
10:56 AM 7 have the option to run a liner on the rig if that was what the
10:56 AM 8 information revealed?

10:56 AM 9 A. Yes. So we got all the material together so that if we
10:56 AM 10 wanted to run a long string, we could run the long string and
10:56 AM 11 all the people associated with it, as well as the liner and all
10:56 AM 12 the pieces of equipment and all the people associated with
10:56 AM 13 that, because they weren't the same people and they weren't the
10:56 AM 14 same equipment.

10:56 AM 15 Q. So there's been reference to selecting the long string
10:56 AM 16 over the liner because it saved money. Did you and your team
10:56 AM 17 actually put forth the effort of getting the liner, its
10:56 AM 18 equipment, materials, people from different companies and
10:56 AM 19 different operations on to the rig in the event that you
10:57 AM 20 elected to go that route?

10:57 AM 21 A. That's correct.

10:57 AM 22 Q. Following the decision to do the long string, was there
10:57 AM 23 something called a management of change prepared?

10:57 AM 24 A. Yes, there was.

10:57 AM 25 MS. KARIS: If we can now look at TREN-32031-N, as in

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10:57 AM 1 Nicholas, please.

10:57 AM 2 I know this is hard to read. If you can just

10:57 AM 3 call out the top first.

10:57 AM 4 **BY MS. KARIS:**

10:57 AM 5 **Q.** Do you recognize this as the management of change that was

10:57 AM 6 prepared for the decision to run the production casing for

10:57 AM 7 Macondo as indicated here?

10:57 AM 8 **A.** Yes, it was.

10:57 AM 9 **Q.** Okay. Now, Mr. Guide, are there a number of individuals

10:57 AM 10 that need to sign off on a management of change, such as this

10:57 AM 11 one, to run production casing?

10:57 AM 12 **A.** Yes.

10:57 AM 13 **Q.** Okay. And are there folks called "reviewers" and then

10:57 AM 14 "approvers" as well?

10:58 AM 15 **A.** Yes.

10:58 AM 16 **Q.** Okay. And tell us what those folks are. What's the

10:58 AM 17 difference between a reviewer as opposed to an approver?

10:58 AM 18 **A.** We have a -- actually, it's called decision rights. And

10:58 AM 19 depending on what you're doing, the exact MOC or management of

10:58 AM 20 change, different people have the ability to review and

10:58 AM 21 approve.

10:58 AM 22 **Q.** And what were you in connection with this?

10:58 AM 23 **A.** This -- in this case, I would be a reviewer.

10:58 AM 24 **Q.** If we can just run through the reviewers and approvers

10:58 AM 25 just to see how many different people reviewed this and

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10:58 AM 1 approved this.

10:58 AM 2 So the reviewers were Mr. Walz, yourself, and

10:58 AM 3 Ms. Reiter; correct?

10:58 AM 4 A. That's correct.

10:58 AM 5 Q. And all of you agreed with this option?

10:58 AM 6 A. Yes.

10:58 AM 7 MS. KARIS: And then if we can now see the approvers.

10:58 AM 8 BY MS. KARIS:

10:58 AM 9 Q. Mr. Sims lists you again as an approver and then

10:58 AM 10 Mr. Frazelle?

10:58 AM 11 A. That's correct.

10:58 AM 12 Q. And all these folks, likewise, agreed?

10:59 AM 13 A. Yes. Of course, I -- this was a glitch for me. I wasn't

10:59 AM 14 supposed to be on there, but . . .

10:59 AM 15 Q. Okay. So you were a reviewer, but you were listed here as

10:59 AM 16 an approver as well?

10:59 AM 17 A. Right.

10:59 AM 18 Q. Then if we can look at the Level 2 approvers. That would

10:59 AM 19 be Mr. Sprague as well?

10:59 AM 20 A. That's right.

10:59 AM 21 Q. In connection with this management of change, is there a

10:59 AM 22 section entitled "Justification"?

10:59 AM 23 A. Yes.

10:59 AM 24 Q. And is there also a section entitled "Risk Mitigation,"

10:59 AM 25 just below that?

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10:59 AM 1 A. Yes, there is.

10:59 AM 2 Q. Now, first, let's look at justification. It says under

10:59 AM 3 Justification: "The long string provides the best economic

10:59 AM 4 case and well integrity case for future completion operations."

10:59 AM 5 Is that what we've already discussed?

10:59 AM 6 A. Right.

10:59 AM 7 Q. And then it goes on to say, "The liner, if required, is

10:59 AM 8 also an acceptable option, but will add an additional 7 to

10:59 AM 9 10 million to the completion cost"; correct?

10:59 AM 10 A. That's correct.

10:59 AM 11 Q. Did you, nonetheless, make plans to have that liner out

11:00 AM 12 there and run it, and were you prepared to do that if you

11:00 AM 13 decided that was the appropriate path to take?

11:00 AM 14 A. Yes, all the stuff was there.

11:00 AM 15 Q. Now, below there, it says: "The plan forward decision

11:00 AM 16 tree is also attached."

11:00 AM 17 Do you see that?

11:00 AM 18 A. Yes.

11:00 AM 19 Q. Tell us what that decision tree was about.

11:00 AM 20 A. The decision tree was several-fold. It was -- we were

11:00 AM 21 going to make an extraordinary conditioning trip, where we were

11:00 AM 22 going to get information.

11:00 AM 23 Based on that information, a decision could be made

11:00 AM 24 to revert to the liner, okay, or the long string. And then in

11:00 AM 25 addition to that, it also had conditions -- preset conditions

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1 on whether we would run a cement bond log or USIT log or not.

2 Q. Okay. So the decision tree had multiple components, one
3 related to the long string versus liner, under what conditions
4 you'd run the liner as opposed to the long string, and then
5 another one related to whether or not you're going to run the
6 cement bond log in connection with these operations; is that
7 correct?

8 A. That's correct.

9 Q. Okay. And we'll look at the decision tree when we get to
10 the cement bond log discussion. But I just want to ask you:
11 Was the decision tree put together and signed off on by all the
12 folks on this MOC, management of change?

13 A. Yes.

14 Q. Based on your involvement with the decision -- or strike
15 that.

16 Based on the discussions you were present for in
17 which the engineering team made the decision to go with the
18 long string and then ultimately it was approved by several, was
19 that decision made because it saved money?

20 A. No.

21 Q. Was that decision made -- strike that.

22 At the time that you and others were discussing going
23 with the long string versus liner, did anybody ever indicate
24 that they believed the safer path was to go with the liner, but
25 instead they selected the long string?

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11:02 AM 1 A. Not to me.

11:02 AM 2 Q. And did you believe that the engineering team was applying

11:02 AM 3 their best engineering judgment in making the decision to run a

11:02 AM 4 long string instead of a liner?

11:02 AM 5 A. Yeah. I agree, it is definitely the best -- the best

11:02 AM 6 option for long-term wellbore integrity.

11:02 AM 7 Q. And is that for the reason you've previously described?

11:02 AM 8 A. For completion of the well, yes, ma'am.

11:02 AM 9 Q. Did you believe that the BP team was compromising the

11:02 AM 10 safety of the operations in any way by going with the

11:02 AM 11 long string?

11:02 AM 12 A. No.

11:02 AM 13 Q. Now, around this time -- you said this meeting where

11:02 AM 14 you're deciding on the long string versus liner took place at

11:03 AM 15 an offsite wells site leader meeting; is that correct?

11:03 AM 16 A. Yes.

11:03 AM 17 Q. Did you stay -- how long did that meeting last?

11:03 AM 18 A. It was a two-day meeting.

11:03 AM 19 Q. Did you stay for the full two days?

11:03 AM 20 A. I did not.

11:03 AM 21 Q. Why did you leave the meeting before it was completed?

11:03 AM 22 A. The first day, the 14th, I was becoming ill with a bad

11:03 AM 23 cold. That's what I thought it was. And I was hoping to get

11:03 AM 24 better, but on the morning of the -- the next morning, I even

11:03 AM 25 felt worse, so I went home.

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11:03 AM 1 Q. Now, there's been some discussion in this case about some
11:03 AM 2 e-mails that you exchanged with Mr. Sims at around this time,
11:03 AM 3 and I'd like to discuss those e-mails with you.

11:03 AM 4 MS. KARIS: If we could look at TREX-1129.1.4,
11:03 AM 5 please.

11:03 AM 6 BY MS. KARIS:

11:03 AM 7 Q. I'll represent to you that this is converted for GMT.

11:04 AM 8 So the 15th, April 15th would have been the day that
11:04 AM 9 you had gone home; is that correct?

11:04 AM 10 A. That's correct.

11:04 AM 11 Q. Did you get an e-mail from Mr. Sims when you're -- when
11:04 AM 12 you guys were conducting this offsite meeting in which he says,
11:04 AM 13 "Can you meet me tomorrow morning in the meeting room around
11:04 AM 14 6:15?"

11:04 AM 15 A. Yes.

11:04 AM 16 Q. What was your reaction when you received this e-mail?

11:04 AM 17 A. Well, I was surprised because I had told David, Mr. Sims,
11:04 AM 18 that I was sick, ill, and that I was most likely going to go
11:04 AM 19 home.

11:04 AM 20 Q. And given that you had told him you were sick and likely
11:04 AM 21 going home, were you surprised he wanted to see you tomorrow
11:04 AM 22 morning?

11:04 AM 23 A. Yeah.

11:04 AM 24 Q. What did you respond back?

11:04 AM 25 A. "Are you going to fire me?"

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11:04 AM 1 Q. And were you concerned that Mr. Sims was going to fire you
11:04 AM 2 at this time?
11:04 AM 3 A. No. I was just kidding around with him.
11:04 AM 4 Q. Did you think he might take you seriously?
11:04 AM 5 A. No.
11:04 AM 6 Q. Why not?
11:04 AM 7 A. David and I were good friends. You know, we had the kind
11:05 AM 8 of relationship that, you know, we kidded around with each
11:05 AM 9 other.
11:05 AM 10 Q. What was your performance rating that you had gotten just
11:05 AM 11 a couple months before this?
11:05 AM 12 A. "Exceeded expectations."
11:05 AM 13 Q. And did you have any other -- any issues at all in
11:05 AM 14 connection with your performance that would lead you in any way
11:05 AM 15 to seriously say, Are you going to fire me?
11:05 AM 16 A. No.
11:05 AM 17 Q. Was this another communication with Mr. Sims based on your
11:05 AM 18 friendship and discussions you had with him?
11:05 AM 19 A. Yes.
11:05 AM 20 Q. All right. Let's move on from that.
11:05 AM 21 I next want to talk to you about the decision in
11:05 AM 22 connection with the centralizers. I want to first start by
11:05 AM 23 asking you whether you were involved in discussions regarding
11:05 AM 24 the number of centralizers to be run at Macondo?
11:05 AM 25 A. I was.

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11:05 AM 1 Q. And were you, amongst many others from the engineering
11:05 AM 2 team, also on -- were there members of the engineering team who
11:05 AM 3 were also involved in those discussions and that decision?

11:06 AM 4 A. Yes.

11:06 AM 5 Q. Okay. We'll talk about how that decision came to be, but
11:06 AM 6 first can you tell us what experience you had prior to Macondo
11:06 AM 7 in connection with centralization programs?

11:06 AM 8 A. I -- a lot of experience. I actually engineered my first
11:06 AM 9 centralization program back in 1983.

11:06 AM 10 Q. And have you been working with centralizers and decisions
11:06 AM 11 as to how many centralizers to place in wells from 1983 through
11:06 AM 12 2010?

11:06 AM 13 A. That's correct.

11:06 AM 14 Q. Is there a set number or rule of thumb regarding the
11:06 AM 15 number of centralizers to be used?

11:06 AM 16 A. No.

11:06 AM 17 Q. How does one go about deciding how many centralizers to
11:06 AM 18 use?

11:06 AM 19 A. It depends on the wellbore; as in, the actual hole
11:06 AM 20 section. It depends on the configuration of the hole section,
11:06 AM 21 the geometry. And it depends on where the pay zone is.

11:07 AM 22 Q. What effect does the configuration and the geometry have?

11:07 AM 23 A. Different hole size configurations have different
11:07 AM 24 considerations. And is the hole a directional hole is a
11:07 AM 25 consideration and where the pay zone is. In other words, is

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11:07AM 1 the pay zone at the bottom? Is the pay zone in the middle?
11:07AM 2 You take all these things into account.
11:07AM 3 Plus, the caliper log. You look at the caliper log
11:07AM 4 to see, you know, is the hole size going -- appropriate for the
11:07AM 5 centralizers that you're going to use?
11:07AM 6 Q. And did you consider each of those things that you've
11:07AM 7 identified for us as you were considering how many centralizers
11:07AM 8 to use at Macondo?
11:07AM 9 A. The engineering team did mostly, but, yes, I did too.
11:07AM 10 Q. Now, in your prior experience, had you encountered any
11:07AM 11 challenges with using centralizers?
11:07AM 12 A. I have.
11:07AM 13 Q. And can you tell us what some of those problems are?
11:07AM 14 A. The most serious problem is they fall off or get broken
11:08AM 15 when you're running them.
11:08AM 16 Q. Why is that a problem?
11:08AM 17 A. On a floating rig, it's -- a floating rig, which is a
11:08AM 18 semisubmersible rig like the *Horizon*, the biggest problem is
11:08AM 19 sticking the casing in the wrong spot. What I mean by
11:08AM 20 "sticking the casing," it not going to the place where you want
11:08AM 21 it to go.
11:08AM 22 On a semi that has a subsea wellhead, you have to
11:08AM 23 land the casing hanger in the wellhead and that's the top of
11:08AM 24 the casing string. If you don't land it in the wellhead, well,
11:08AM 25 you don't have a viable well. And we had experiences where

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11:08 AM 1 this has happened, where we stuck the casing and later
11:08 AM 2 attributed it to the centralizers.

11:08 AM 3 Also, we had occasions where we ran the casing and
11:08 AM 4 the centralizers, for some reason, came off and we were able to
11:08 AM 5 pull the casing back out, but we would leave the centralizers
11:08 AM 6 in the well and then we would have to abandon that hole
11:09 AM 7 section.

11:09 AM 8 Q. Was there also a concern about the centralizers being
11:09 AM 9 stuck in a way that affects your ability to use your BOP, your
11:09 AM 10 blowout preventer?

11:09 AM 11 A. That's correct. There's been instances where some of the
11:09 AM 12 blades in particular -- the blades or the fins -- that when we
11:09 AM 13 retrieve BOP stacks, we've found blades in the BOP stack.

11:09 AM 14 MS. KARIS: Let's pull D-4932-A up.

11:09 AM 15 BY MS. KARIS:

11:09 AM 16 Q. Using this demonstrative, can you show the Court what you
11:09 AM 17 mean by blades or the fins getting stuck.

11:09 AM 18 A. This is a blade and this is the body of the centralizer.
11:09 AM 19 These are the blades and these are just welded on here. And
11:09 AM 20 we've had instances where we have pulled these back out, and
11:09 AM 21 these blades would be missing.

11:09 AM 22 Q. And have you, yourself, had experiences where those blades
11:09 AM 23 got stuck and there's concern then that that would affect your
11:10 AM 24 ability to use the BOP?

11:10 AM 25 A. Yes.

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11:10 AM 1 Q. Now, we have up here a demonstrative with the different
11:10 AM 2 types of centralizers. Does the type of centralizer that
11:10 AM 3 you're using affect whether you can have some of those problems
11:10 AM 4 you've just identified for us?

11:10 AM 5 A. Yes.

11:10 AM 6 Q. Explain to us how.

11:10 AM 7 A. The centralizers here on the far left are -- these are
11:10 AM 8 bow-spring. They've been in existence -- well, they were in
11:10 AM 9 existence before I started in 1980. They're held in place by
11:10 AM 10 two stop collars. This is a stop collar, that's a stop collar.
11:10 AM 11 This is a centralizer stub. It is actually made out of the
11:10 AM 12 production casing itself. And then it has threads at the top
11:10 AM 13 and bottom and it's actually screwed onto the casing and it
11:10 AM 14 becomes part of the casing.

11:10 AM 15 Q. Okay. The centralizer subs, were those the six
11:10 AM 16 centralizers that were run at the Macondo well?

11:10 AM 17 A. Yes.

11:10 AM 18 Q. Okay. And we'll talk about the other centralizers.

11:11 AM 19 Is this a photo from the centralizers that arrived on
11:11 AM 20 the Macondo well that you received from Mr. Morel?

11:11 AM 21 A. That's correct.

11:11 AM 22 Q. And are these centralizers, bow-spring centralizers with
11:11 AM 23 which you've previously had problems with?

11:11 AM 24 A. Yes.

11:11 AM 25 Q. The concerns that you raised with us about the

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11:11AM 1 centralizers getting stuck or possibly affecting your casing,
11:11AM 2 were those all concerns and experiences that you, yourself, had
11:11AM 3 when you used these bow-spring centralizers with stop collars?
11:11AM 4 A. Myself and others.
11:11AM 5 Q. Now, just days prior to when the decision was being made
11:11AM 6 regarding the number of centralizers, had you received a
11:11AM 7 communication from somebody at BP who was encountering problems
11:11AM 8 with centralizers?
11:11AM 9 A. Yes.
11:11AM 10 MS. KARIS: If we can look at 41025.1.3, please.
11:11AM 11 The bottom e-mail first, if we can call it out.
11:12AM 12 You can leave it there. We can see it that way.
11:12AM 13 BY MS. KARIS:
11:12AM 14 Q. There is an e-mail from Mr. Sanders sent on April 3rd --
11:12AM 15 17 days before the incident and 13 days before you guys are
11:12AM 16 discussions the type of centralizers to use -- to a number of
11:12AM 17 individuals, Mr. Emerson, Mr. Sankar, Mr. Gray, yourself, and
11:12AM 18 several others.
11:12AM 19 And the subject is: "Any of you guys ever fish
11:12AM 20 casing centralizers from a well - namely the wellhead?"
11:12AM 21 First of all, who is Mr. Sanders?
11:12AM 22 A. Mr. Sanders was one of my peers, a wells team leader for a
11:12AM 23 Transocean rig, the Development Driller III, that was drilling
11:12AM 24 development wells in the Atlantis field.
11:12AM 25 Q. And who is he sending this e-mail to?

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11:13 AM 1 A. The majority of these guys are -- are wells team leaders.

11:13 AM 2 Q. So Mr. Sanders, a wells team leader, is sending an e-mail
11:13 AM 3 to a number of other wells team leader regarding centralizers
11:13 AM 4 on April 3rd of 2010; is that correct?

11:13 AM 5 A. Correct.

11:13 AM 6 Q. And he says: "I am sure most of you know we could not get
11:13 AM 7 our casing past our sidetrack interval on the DC 314 well.
11:13 AM 8 Once we came out of the hole with the casing we left 5 total
11:13 AM 9 centralizers and associated stop rings in the hole along with a
11:13 AM 10 total of 18 blades."

11:13 AM 11 What is he telling you there?

11:13 AM 12 A. They ran their casing and they could not get it to the
11:13 AM 13 spot they needed to. They were able to pull the casing back
11:13 AM 14 out of the hole, but when they got the casing back out of the
11:13 AM 15 hole, they left these various pieces of the centralizers in the
11:13 AM 16 well.

11:13 AM 17 Q. And then he goes on at the end by saying: "Was wondering
11:14 AM 18 if any of you had the pleasure of fishing these things before
11:14 AM 19 and could give some pointers. Yeah, I know this is why we used
11:14 AM 20 to not run any on the floating rig."

11:14 AM 21 What is Mr. Sanders asking?

11:14 AM 22 A. In the back of the not-too-long ago on the semisubmersible
11:14 AM 23 operations, we didn't put centralizers on any of the casing
11:14 AM 24 strings.

11:14 AM 25 Q. And so on operations similar to the Macondo -- strike

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11:14 AM 1 that, similar to the *Deepwater Horizon*, Mr. Sanders is
11:14 AM 2 acknowledging that you used to not put any centralizers on?
11:14 AM 3 A. That's correct.
11:14 AM 4 Q. Is that consistent with your own experience?
11:14 AM 5 A. Yes, it is.
11:14 AM 6 Q. And why would you not use any centralizers on
11:14 AM 7 semisubmersibles, as Mr. Sanders indicates here, 13 days before
11:14 AM 8 the incident?
11:14 AM 9 A. The original -- the original feeling was you don't want to
11:14 AM 10 run it through the wellhead, damage the wellhead, or have them
11:14 AM 11 come off and wedge in the BOP stack.
11:14 AM 12 Q. Have you been involved in numerous operations in the Gulf
11:15 AM 13 of Mexico where you didn't use any centralizers with
11:15 AM 14 semisubmersibles?
11:15 AM 15 A. Yes, many wells.
11:15 AM 16 Q. And have you also been involved in many wells where you
11:15 AM 17 did use centralizers?
11:15 AM 18 A. Yes.
11:15 AM 19 Q. Now, you respond back on Sunday morning and you say -- you
11:15 AM 20 sent to Mr. Sanders an e-mail, and you say: "I have left them
11:15 AM 21 in the hole but have never successfully fished them out."
11:15 AM 22 A. Right.
11:15 AM 23 Q. Is that what you were telling us before?
11:15 AM 24 A. Yes.
11:15 AM 25 Q. That you couldn't get the centralizers out even if you're

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11:15 AM 1 fortunate enough to pull your casing back out?

11:15 AM 2 A. Yes, correct.

11:15 AM 3 Q. Is that a good operation, where you want to leave your

11:15 AM 4 centralizers down there?

11:15 AM 5 A. No.

11:15 AM 6 Q. Why not?

11:15 AM 7 A. Because you basically will have to abandon that hole

11:15 AM 8 section and start over.

11:15 AM 9 Q. Now, was this the first time that you had had

11:15 AM 10 conversations with other BP wells team leaders where they had

11:15 AM 11 expressed problems they had with respect to these type of

11:16 AM 12 centralizers?

11:16 AM 13 A. No. We had a daily meeting, all the wells team leaders, a

11:16 AM 14 half hour in the morning, and we would discuss all the

11:16 AM 15 operations that were going on, and mainly just to share

11:16 AM 16 lessons.

11:16 AM 17 Q. Now, let's talk specifically, then, about what took place

11:16 AM 18 regarding the number of centralizers to use at Macondo. First

11:16 AM 19 of all, who made the final decision regarding the number of

11:16 AM 20 centralizers to be used?

11:16 AM 21 A. Greg Walz, David Sims, and myself.

11:16 AM 22 Q. Were you involved with Mr. Walz leading up to that

11:16 AM 23 decision regarding the number of centralizers?

11:16 AM 24 A. Yes.

11:16 AM 25 **MS. KARIS:** Okay. Let's look at TREN-796.2.3.

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11:16 AM 1 If we can call out the first paragraph first,
11:16 AM 2 the top and the first paragraph, and we'll walk through this.
11:17 AM 3 If we can see the "to" and "from" and the "subject," please.
11:17 AM 4 **BY MS. KARIS:**
11:17 AM 5 **Q.** On April 16th, were there ongoing discussions regarding
11:17 AM 6 the number of centralizers to be used?
11:17 AM 7 **A.** Yes, there was.
11:17 AM 8 **Q.** Okay. And Mr. Walz sends you this e-mail and he says:
11:17 AM 9 "Halliburton came back to us this afternoon with additional
11:17 AM 10 modeling after they loaded the final directional surveys,
11:17 AM 11 caliper log information, and the planned 6 centralizers. What
11:17 AM 12 it showed, is that the ECD" -- equivalent circulating
11:17 AM 13 density -- "at the base of sand jumped up to 15.06 pounds per
11:17 AM 14 gallon. This is being driven by channeling of cement higher
11:17 AM 15 than the planned TOC." Top of cement.
11:17 AM 16 What is Mr. Walz communicating there?
11:18 AM 17 **A.** He's saying that they're running the OptiCem models and
11:18 AM 18 with the six centralizers that were planned, the model is
11:18 AM 19 showing that when the cement is being pumped in place, that the
11:18 AM 20 equivalent circulating density at the bottom of the well was
11:18 AM 21 going to be 15.06.
11:18 AM 22 **Q.** And he goes on to say that "we have located 15 Weatherford
11:18 AM 23 centralizers with stop collars (Thunder Horse design) in
11:18 AM 24 Houston and worked things out with the rig to be able to fly
11:18 AM 25 them out in the morning."

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11:18 AM 1 Do you see that?

11:18 AM 2 A. Yes.

11:18 AM 3 Q. What was your understanding as to the type of centralizers
11:18 AM 4 that Mr. Walz had located, which he calls the "Thunder Horse
11:18 AM 5 design"?

11:18 AM 6 A. Well, when I read this, I didn't understand.

11:18 AM 7 Q. Okay. Did you subsequently have a conversation with
11:18 AM 8 Mr. Walz in order to understand what kind of centralizers he
11:18 AM 9 was talking about?

11:18 AM 10 A. Yes. This was a Friday. We were on our -- we have a
11:19 AM 11 flex -- a flex Friday where we're off every other Friday. And
11:19 AM 12 we had a morning call regardless if we were off or not. So it
11:19 AM 13 was a conference line.

11:19 AM 14 And prior to actually talking to the rig, all of the
11:19 AM 15 various folks were on the phone. And Greg was -- I asked Greg
11:19 AM 16 about the centralizers. And he was describing that when he was
11:19 AM 17 working at Thunder Horse that they had these special
11:19 AM 18 centralizers made, that while they weren't centralizer subs,
11:19 AM 19 they were special one-piece centralizers where all the stop
11:19 AM 20 rings and everything were incorporated into the design.

11:19 AM 21 Q. Were they different than the centralizers that arrived on
11:19 AM 22 the Macondo well that Mr. Morel sent you a photo of?

11:19 AM 23 A. As described, yes.

11:19 AM 24 Q. And if we can go further down to the e-mail, please.
11:19 AM 25 And he says: "The model runs for 20 centralizers

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11:19 AM 1 (6 on hand and 14 new ones) reduce the ECD to 14.65 ppg, which
11:20 AM 2 is back below the 14.7."

11:20 AM 3 Why did you want to get the ECD back below 14.7?

11:20 AM 4 A. We had experienced losses while we were actually drilling
11:20 AM 5 the well when the ECD was over 14.7.

11:20 AM 6 Q. Okay. And so in order to circulate and get the ECD to
11:20 AM 7 where you wanted, it should be below 14.7. Is that fair?

11:20 AM 8 A. That's fair.

11:20 AM 9 Q. And he goes on to say: "There's been a lot of discussion
11:20 AM 10 about this, and there are differing opinions on the model
11:20 AM 11 accuracy."

11:20 AM 12 What's your understanding of what that was about?

11:20 AM 13 A. Well, like I said, we ran this model on every job, and
11:20 AM 14 different people had different opinions about how accurate it
11:20 AM 15 was. Sometimes it worked and sometimes it didn't.

11:20 AM 16 Q. And did you yourself have experiences where sometimes this
11:20 AM 17 model worked, but sometimes it actually gave you inaccurate
11:20 AM 18 outputs?

11:20 AM 19 A. Yes, I did.

11:20 AM 20 Q. And did you also see that in connection with running the
11:20 AM 21 modeling for the long string versus the liner?

11:20 AM 22 A. Well, that's correct. They couldn't even get it to
11:21 AM 23 replicate the correct compressibility factor of the mud.

11:21 AM 24 Q. It says: "However, the issue is we need to honor the
11:21 AM 25 modeling to be consistent with our previous decisions to go

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11:21AM 1 with the long string."

11:21AM 2 Did you have any objection to honoring the model that
11:21AM 3 required using the additional 15 centralizers of the type that
11:21AM 4 Mr. Walz described to you?

11:21AM 5 A. No.

11:21AM 6 Q. Okay. He says: "Brett and I tried to reach you twice to
11:21AM 7 discuss things. David was still here in the office, and I
11:21AM 8 discussed this with him and he agreed that we needed to be
11:21AM 9 consistent with honoring the model."

11:21AM 10 Was the day on which they were trying to reach you
11:21AM 11 the day you told us you were sick?

11:21AM 12 A. Yes. I was home ill that day.

11:21AM 13 MS. KARIS: Further down in the e-mail, please.

11:22AM 14 BY MS. KARIS:

11:22AM 15 Q. On the prior page, Mr. Walz says: "I wanted to make sure
11:22AM 16 that we did not have a repeat of the last Atlantis job with
11:22AM 17 questionable centralizers going into the hole."

11:22AM 18 What was the job that Mr. Walz was saying he wanted
11:22AM 19 to make sure you didn't have a repeat of?

11:22AM 20 A. It was the job that Mr. Sanders sent the e-mail around
11:22AM 21 about asking for pointers about trying to fish centralizers out
11:22AM 22 that had just come off.

11:22AM 23 Q. And so in the e-mail in which Mr. Walz says he wants to
11:22AM 24 honor the modeling by using more centralizers of the Thunder
11:22AM 25 Horse type, does he reference the very job with which you have

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11:22 AM 1 communicated with Mr. Sanders in which there was a problem?

11:22 AM 2 A. Yes.

11:22 AM 3 Q. Does Mr. Walz, the engineering team leader, indicate that

11:22 AM 4 he doesn't want to have a repeat of that situation?

11:23 AM 5 A. That's correct.

11:23 AM 6 Q. He then goes on to say: "John, I do not like or want to

11:23 AM 7 disrupt your operations and I am a full believer that the rig

11:23 AM 8 needs only one Team Leader. I know the planning has been

11:23 AM 9 lagging behind the operations and I have to turn that around.

11:23 AM 10 I apologize if I have overstepped my bounds."

11:23 AM 11 What did you understand that to be about?

11:23 AM 12 A. The original plan was to run a long string, and that

11:23 AM 13 planning was done well ahead of time. We wanted the option

11:23 AM 14 also to run a liner. It wasn't necessarily just a contingency.

11:23 AM 15 They wanted all this stuff on the rig. But it takes completely

11:23 AM 16 different planning -- not completely, but a lot of different

11:23 AM 17 planning.

11:23 AM 18 So he's referencing the planning for the liner,

11:23 AM 19 getting it ready.

11:23 AM 20 Q. So he's referencing the fact that you had to get the

11:23 AM 21 contingency lined up for the liner?

11:24 AM 22 A. That's right.

11:24 AM 23 Q. Which had been decided the prior day?

11:24 AM 24 A. That's right.

11:24 AM 25 Q. He goes on to ask you -- he says: "Please call me tonight

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11:24 AM 1 if you want to discuss this in more detail."

11:24 AM 2 Did you have a call with Mr. Sims -- I mean, excuse
11:24 AM 3 me, with Mr. Walz after receiving this e-mail?

11:24 AM 4 A. Well, yeah. This is the e-mail I saw prior to the actual
11:24 AM 5 morning call where we had the conversation where he explained
11:24 AM 6 to me about the Thunder Horse centralizers.

11:24 AM 7 Q. Okay. And so the next morning, before the morning call, I
11:24 AM 8 heard you say, you spoke to Mr. Walz?

11:24 AM 9 A. Yes.

11:24 AM 10 Q. And what did he explain to you about these centralizers on
11:24 AM 11 that call?

11:24 AM 12 A. He explained that they were one piece and that they had
11:24 AM 13 done extensive testing on them, crushability testing to see how
11:24 AM 14 actually strong they were. And after he explained to me what
11:24 AM 15 they were, I had -- had no problem running them because they
11:24 AM 16 weren't -- they weren't the same as what we had used on
11:24 AM 17 Atlantis.

11:25 AM 18 Q. After speaking with Mr. Walz, did you receive an e-mail
11:25 AM 19 from Mr. Morel in which he communicated as to the type of
11:25 AM 20 centralizers that actually got out to the rig?

11:25 AM 21 A. Yes.

11:25 AM 22 MS. KARIS: Let's look at TREN-48042.

11:25 AM 23 BY MS. KARIS:

11:25 AM 24 Q. Is this the e-mail Mr. Morel sent you on the 16th?

11:25 AM 25 A. Yes, it is.

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11:25 AM 1 Q. What does he tell you about the centralizers that arrived?

11:25 AM 2 A. "The centralizers do not have the stop rings on them."

11:25 AM 3 Q. And did he attach a photo of those centralizers?

11:25 AM 4 MS. KARIS: TREN-48042.1.2.

11:25 AM 5 THE WITNESS: Yes. That's the attachment.

11:25 AM 6 BY MS. KARIS:

11:25 AM 7 Q. Is that the photo Mr. Morel sent you when he said the

11:25 AM 8 centralizers don't have the stop rings on them?

11:25 AM 9 A. Yes, that's it.

11:25 AM 10 Q. What, if any, concern did this cause you after Mr. Morel

11:25 AM 11 sent you this photo and this e-mail?

11:25 AM 12 A. Twofold. The first was this is not what Mr. Walz

11:25 AM 13 described to me at all. That's one.

11:25 AM 14 And then, two, these were the exact type of

11:26 AM 15 centralizers that had fallen off on the Atlantis job.

11:26 AM 16 Q. Did you contact Mr. Morel -- excuse me, did you speak with

11:26 AM 17 him after you got this e-mail?

11:26 AM 18 A. Yes, I talked to Mr. Morel. I called him on -- he was on

11:26 AM 19 the rig. And I talked to him on a regular basis anyway, but I

11:26 AM 20 called and talked to him. He said, "Yeah, this is what they

11:26 AM 21 are." And I asked him if he thought we should run them, and he

11:26 AM 22 said no -- because whenever the Atlantis job came up, that was

11:26 AM 23 shared across the GoM.

11:26 AM 24 And I said, "Okay. I'm going to get ahold of Greg."

11:26 AM 25 Q. Did you, in fact, reach out to Mr. Walz?

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11:26 AM 1 A. I sent him an e-mail first.

11:26 AM 2 MS. KARIS: 796.1.11.

11:26 AM 3 BY MS. KARIS:

11:26 AM 4 Q. Is this the e-mail you sent him?

11:26 AM 5 A. Yes.

11:26 AM 6 Q. Okay. So first you reached out to him in writing?

11:26 AM 7 A. I did.

11:26 AM 8 Q. What did you tell him?

11:26 AM 9 A. I said: "I just found out that the stop collars are not
11:27 AM 10 part of the centralizer as you stated. It will take 10 hours
11:27 AM 11 to install them."

11:27 AM 12 And I was concerned that we were installing 45 pieces
11:27 AM 13 that could come off at the last minute.

11:27 AM 14 Q. And why did you reference that it would take 10 hours to
11:27 AM 15 install them?

11:27 AM 16 A. Mr. Morel told me when I was talking to him that the
11:27 AM 17 Weatherford gentleman indicated it was going to take him
11:27 AM 18 10 hours to put them on.

11:27 AM 19 Q. Okay. And was there any issue with taking 10 hours to put
11:27 AM 20 them on?

11:27 AM 21 A. In this particular case, it was to me, yes.

11:27 AM 22 Q. Why was it?

11:27 AM 23 A. This is the final hole section. The wellbore is sitting
11:27 AM 24 open at this time, and I'm of the belief that you keep an open
11:27 AM 25 hole open as short a period of time as possible. And adding

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11:27 AM 1 10 additional hours of leaving the hole open, it just -- I just
11:27 AM 2 don't think that's good engineering practice.

11:27 AM 3 Q. And is it your experience that it's a general rule
11:28 AM 4 throughout the industry that you should not leave an open hole
11:28 AM 5 open any longer than necessary?

11:28 AM 6 A. That's correct.

11:28 AM 7 Q. Would you have been willing to wait the 10 hours to
11:28 AM 8 install the centralizers if they were the right type of
11:28 AM 9 centralizers?

11:28 AM 10 A. Yes.

11:28 AM 11 Q. Did it make any sense to you to wait 10 hours with an open
11:28 AM 12 hole, given your concerns, to get the type of centralizers that
11:28 AM 13 they had just had problems with on the Atlantis well?

11:28 AM 14 A. No, it would make no sense.

11:28 AM 15 Q. Why is that?

11:28 AM 16 A. Well, you're taking 10 additional hours, leaving the hole
11:28 AM 17 open 10 additional hours and installing the wrong thing.

11:28 AM 18 Q. You go on to say, "I do not like this, and as David
11:28 AM 19 approved in my absence, I did not question, but now I am very
11:28 AM 20 concerned about using them." Correct?

11:28 AM 21 A. Yes.

11:28 AM 22 Q. Did you subsequently express that concern to Mr. Walz in a
11:28 AM 23 phone conversation that you had with him?

11:28 AM 24 A. Yes. We had an extended phone conversation.

11:29 AM 25 Q. And tell us about that conversation.

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11:29 AM 1 Well, first of all -- I'm sorry. Did Mr. Walz
11:29 AM 2 respond to your e-mail, before you tell us?
11:29 AM 3 A. Yes.
11:29 AM 4 Q. If we can look at what Mr. Walz said before you spoke to
11:29 AM 5 him, what does he tell you?
11:29 AM 6 A. He said, "I agree. This is not what I was envisioning. I
11:29 AM 7 will call you directly."
11:29 AM 8 Q. Now, tell us about that conversation, and we're almost
11:29 AM 9 done with the centralizers.
11:29 AM 10 A. Mr. Walz concurred that they were not the Thunder Horse
11:29 AM 11 centralizers that he was referencing. He concurred that he did
11:29 AM 12 not want to run them because of the problems with --
11:29 AM 13 encountered on the Atlantis well and that he was going to get
11:29 AM 14 with Brian Morel, who was on the rig, and they were just going
11:29 AM 15 to replace, as in replace in the string -- relocate, I'm sorry,
11:29 AM 16 relocate the centralizer subs.
11:29 AM 17 Q. They were going to reposition those subs in different
11:29 AM 18 places?
11:29 AM 19 A. Yes.
11:29 AM 20 Q. And did Mr. Walz, as the engineering team leader, tell you
11:30 AM 21 that it was his decision that he did not agree with running
11:30 AM 22 these centralizers?
11:30 AM 23 A. Yes. It's the engineer's decision. Now, if he would
11:30 AM 24 have -- you know, if he would have said he wanted to run them,
11:30 AM 25 then we would have had a further discussion. But ultimately it

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11:30 AM 1 was their decision.

11:30 AM 2 Q. And did you communicate then with your boss, Mr. Sims,
11:30 AM 3 about this concern and then a recommendation regarding the
11:30 AM 4 centralizers?

11:30 AM 5 A. Yes. I forwarded the e-mail chain to David, and then I
11:30 AM 6 called him.

11:30 AM 7 Q. Go ahead.

11:30 AM 8 A. I called him and left a message on his cell phone. And I
11:30 AM 9 specifically said to him, you know, this is -- we made the
11:30 AM 10 decision not to put these on, if he has a problem, please call
11:30 AM 11 me back.

11:30 AM 12 Q. Did anybody at any time -- Mr. Walz, Mr. Sims, anybody
11:30 AM 13 from the engineering team, anybody from any other team --
11:30 AM 14 express concern to you with not running these additional
11:30 AM 15 15 centralizers that were of the wrong type?

11:30 AM 16 A. No.

11:31 AM 17 Q. Mr. Guide, did you rely on your 30 years of experience in
11:31 AM 18 making the judgment and recommendation to not run these
11:31 AM 19 additional centralizers?

11:31 AM 20 A. Yes, I did.

11:31 AM 21 Q. And did you believe at the time that you were applying the
11:31 AM 22 best engineering judgment in concluding that six centralizers
11:31 AM 23 was the right number of centralizer to run, given the types of
11:31 AM 24 centralizers you were referencing?

11:31 AM 25 A. Yes.

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11:31AM 1 Q. Was your decision, engineering judgment, made based on
11:31AM 2 what the cost of those centralizers was going to be?

11:31AM 3 A. No, not at all.

11:31AM 4 Q. Was your decision based at all on the factor of trying to,
11:31AM 5 quote/unquote, save money for BP?

11:31AM 6 A. No.

11:31AM 7 Q. In making the decision to run six centralizers, Mr. Walz,
11:32AM 8 yourself, and Mr. Sims, who you left a voice mail for, did you
11:32AM 9 believe that you were increasing the risk of a well blowout by
11:32AM 10 using the six centralizers?

11:32AM 11 A. No.

11:32AM 12 Q. Let's go to a different subject.

11:32AM 13 After you had had this communication with Mr. Walz,
11:32AM 14 in which he told you that he understood that planning was
11:32AM 15 lagging behind operations, did you subsequently participate in
11:32AM 16 a morning call on the morning of the 17th?

11:32AM 17 A. Yes, I did.

11:32AM 18 Q. And was that part of your regular operations?

11:32AM 19 A. Yeah. The morning call? Yes.

11:32AM 20 Q. Tell us what you recall about that morning call on the
11:32AM 21 17th.

11:32AM 22 A. Once again, it was from my house, because it was the
11:32AM 23 weekend. And the morning call went -- it was fine. We were
11:33AM 24 talking about the -- the cement job, et cetera. But then
11:33AM 25 during the morning call, the reference was made that we were

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11:33 AM 1 going to now add 30 barrels of spacer behind the top plug
11:33 AM 2 during the cement job. I didn't know about this, and it was
11:33 AM 3 just -- I was surprised.

11:33 AM 4 Q. And did you express your views as to using this 30 barrels
11:33 AM 5 of spacer?

11:33 AM 6 A. I did.

11:33 AM 7 Q. Was Mr. Vidrine also on that call?

11:33 AM 8 A. Yes.

11:33 AM 9 Q. And did you speak with Mr. Vidrine after that call?

11:33 AM 10 A. Yes. I called and talked to Mr. Vidrine.

11:33 AM 11 Q. And why did you reach out to Mr. Vidrine following the
11:33 AM 12 morning call?

11:33 AM 13 A. I was just calling to see how he was doing and ask him
11:33 AM 14 about, you know, how the operation was going.

11:33 AM 15 Q. And what did Mr. Vidrine express to you on that, during
11:34 AM 16 that call?

11:34 AM 17 A. Mr. Vidrine was frustrated and he -- these guys take a
11:34 AM 18 huge amount of pride in being able to get the job organized and
11:34 AM 19 collected, and it was challenging to get all the contingency
11:34 AM 20 liner and all this stuff put together.

11:34 AM 21 And he made the comment that, you know, it just
11:34 AM 22 seemed like that trying to put all this stuff together made him
11:34 AM 23 feel like he was flying by the seat of his pants.

11:34 AM 24 Q. Were those Mr. Vidrine's words?

11:34 AM 25 A. They were Mr. Vidrine's words.

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11:34 AM 1 Q. After you spoke to Mr. Vidrine, did you also have a
11:34 AM 2 conversation with Mr. Morel, who was on the rig?
11:34 AM 3 A. I did.
11:34 AM 4 Q. Tell us about that conversation.
11:34 AM 5 A. Mr. Morel also expressed some dissatisfaction with a
11:34 AM 6 little bit of the waffling that was going on with his boss, and
11:34 AM 7 the 30-barrel spacer was just another example. And he was
11:35 AM 8 frustrated. Brian was -- I felt I was a mentor to Brian, so we
11:35 AM 9 would talk about things on a regular basis.
11:35 AM 10 Q. So you had worked with -- you viewed yourself as a mentor
11:35 AM 11 to Mr. Morel?
11:35 AM 12 A. Yes, I did.
11:35 AM 13 Q. After you had your conversation with Mr. Vidrine and
11:35 AM 14 Mr. Morel, did you then reach out to your boss?
11:35 AM 15 A. I did.
11:35 AM 16 Q. And that would have been Mr. Sims?
11:35 AM 17 A. I did.
11:35 AM 18 Q. Let's look at an e-mail that we've seen plenty of times,
11:35 AM 19 21099. And I want to ask you about it because you were the one
11:35 AM 20 that actually drafted the e-mail.
11:35 AM 21 The discussion here is: "The way we work with
11:35 AM 22 engineering."
11:35 AM 23 What led you to write this e-mail to Mr. Sims?
11:35 AM 24 A. I was frustrated. And it really was -- the point was
11:35 AM 25 really the -- it might seem trivial, but it wasn't to me. It

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11:35 AM 1 was the 30 barrels of spacer.

11:36 AM 2 During the morning call, I had asked -- I said, "You
11:36 AM 3 know, if you're going to put these 30 barrels of spacer behind
11:36 AM 4 the plug, have you thought about how it's going to affect the
11:36 AM 5 bond log if we have to run it?"

11:36 AM 6 We had past experiences. In fact, on the *Horizon*, on
11:36 AM 7 the Tiber well, we had to run a USIT log, but it was way in the
11:36 AM 8 early stages of the well for -- to satisfy a casing test
11:36 AM 9 requirement.

11:36 AM 10 And when we ran the log, Schlumberger came back and
11:36 AM 11 said, "Well, the fluid that's inside the well was of a quality
11:36 AM 12 that this log you just ran is useless. The data's no good."

11:36 AM 13 So I asked the guys, I said, "Well, have you talked
11:36 AM 14 to Schlumberger about is this 30 barrels of spacer going to
11:36 AM 15 affect the bond log? If we have to run the bond log, we want
11:36 AM 16 to make sure it's right."

11:36 AM 17 But this was just a couple of the other decisions and
11:36 AM 18 the waffling of, you know, coming up with a plan and then
11:36 AM 19 wanting to change it. And I got frustrated.

11:37 AM 20 **Q.** You write to Mr. Sims. You say: "David, over the past
11:37 AM 21 four days there has been so many last minute changes to the
11:37 AM 22 operation that the well site leaders have finally come to their
11:37 AM 23 wits' end. The quote is 'flying by the seat of our pants.'"

11:37 AM 24 What change were you referencing?

11:37 AM 25 **A.** Long string, liner, getting all the liner stuff out, USIT

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1 log, we got all the USIT log stuff out, we got all the people
2 out. Spacer -- I don't know even if we had the spacer on the
3 rig.

4 Q. Did it relate to the logistics of getting that information
5 out -- I mean associated with getting those materials out?

6 A. Well, that's what Don's frustration was. Like I said,
7 these guys take a huge amount of pride in being able to get --
8 it's their responsibility to get these jobs together. That's
9 one of their main responsibilities. And with the changing of
10 little things, you know, it was -- you know, seriously making
11 their job harder.

12 And my job is to make their job easier, and I didn't
13 think that was happening.

14 Q. You go on to write: "Moreover, we have made a special
15 boat or helicopter run every day."

16 A. That's what I was referencing, right.

17 Q. But everybody wants to do the right thing -- I'm sorry.
18 "Everybody wants to do the right thing, but this huge level of
19 paranoia from engineering leadership is driving chaos. This
20 operation is not Thunder Horse."

21 What are you referring to there?

22 A. Mr. Walz was a drilling engineer and team leader for
23 Thunder Horse prior to coming over to the *Horizon*.

24 Thunder Horse is -- well, it is a deepwater operation in the
25 Gulf of Mexico. It is at a fixed facility. In other words,

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11:38 AM 1 the Thunder Horse platform doesn't leave the location. It
11:38 AM 2 floats, but it's moored. It's the biggest platform like it in
11:38 AM 3 the world. It has tons of space.

11:38 AM 4 And they also -- because it was such an important
11:38 AM 5 piece of the BP portfolio, a huge amount of people -- they had
11:39 AM 6 half a warehouse in Houma dedicated just to it. And Mr. Walz
11:39 AM 7 was still having to get used to the mindset that, you know,
11:39 AM 8 *Horizon* wasn't the same kind of operation.

11:39 AM 9 Q. You go on to say: "Brian has called me numerous times
11:39 AM 10 trying to make sense of all the insanity. Last night's
11:39 AM 11 emergency evolved around 30 barrels of cement spacer behind the
11:39 AM 12 top plug and how it would affect any bond logging. I did not
11:39 AM 13 agree with putting the spacer above the top plug to begin with.
11:39 AM 14 This morning Brian called me and asked my advice about
11:39 AM 15 exploring opportunities both inside and outside of the
11:39 AM 16 company."

11:39 AM 17 Tell us what that is about. Why were you expressing
11:39 AM 18 Mr. Morel's frustration and then your frustration?

11:39 AM 19 A. Brian was one of the top young engineers in our whole
11:39 AM 20 company, not just in the Gulf of Mexico. And like I said, I
11:40 AM 21 felt I was Brian's mentor. And he also -- he was having a hard
11:40 AM 22 time coming to grip with, you know, okay, we have a plan, it is
11:40 AM 23 a well thought-out plan. Why are we making little last minute
11:40 AM 24 tweaks and changes to the plan. Okay?

11:40 AM 25 So he was frustrated. Him, along with Mr. Vidrine,

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11:40 AM 1 made me frustrated.

11:40 AM 2 Q. And is that what you're communicating, then, to your boss?

11:40 AM 3 A. That's what I'm telling to my boss.

11:40 AM 4 Q. You close by saying: "What is my authority? With

11:40 AM 5 separation of engineering and operations, I do not know what I

11:40 AM 6 can and can't do."

11:40 AM 7 Did you know what your authority was?

11:40 AM 8 A. I knew what my authority was.

11:40 AM 9 Q. So why did you write that?

11:40 AM 10 A. I was very frustrated.

11:40 AM 11 Q. What is the reference to the separation of engineering and

11:40 AM 12 operations?

11:41 AM 13 A. Before -- there was a reorganization, and prior to the

11:41 AM 14 reorganization, we had the well ops manager, which is what

11:41 AM 15 David was, the engineering and the operations. So to put it in

11:41 AM 16 perspective, Greg and I, we reported directly to David.

11:41 AM 17 But in the new organization, Greg now reports all the

11:41 AM 18 way up to Jon Sprague, and then the actual -- the actual

11:41 AM 19 operations/engineering didn't come together until you got to

11:41 AM 20 Pat O'Bryan, who is the vice president of wells.

11:41 AM 21 Q. And so was this referencing that separation of engineering

11:41 AM 22 and operations and the change that had been made in connection

11:41 AM 23 with that?

11:41 AM 24 A. Correct.

11:41 AM 25 Q. You close by saying: "The operation is not going to

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11:41AM 1 succeed if we continue in this manner."

11:41AM 2 What are you referring to there?

11:41AM 3 A. So the *Horizon* was an extremely well run operation. It
11:41AM 4 was that way before I even got there, and it was through the
11:42AM 5 years of the drilling that it did in the Gulf of Mexico.

11:42AM 6 We -- the rig moved all over the place. It wasn't a
11:42AM 7 fixed facility. And if -- the way we were going to continue,
11:42AM 8 as in having multiple plans, long-string liner, multiple
11:42AM 9 contingencies, I didn't think that we would -- it was
11:42AM 10 sustainable.

11:42AM 11 We were getting ready to go to Kaskida, and one of
11:42AM 12 the main challenges that were identified in our crew engagement
11:42AM 13 meeting was logistics, being able to get all the equipment to
11:42AM 14 the rig in a timely manner. And if we wanted to have the same
11:42AM 15 kind of success that we had prior to all the wells, you know,
11:42AM 16 before the accident, that kind of approach, in my opinion, was
11:42AM 17 not sustainable.

11:43AM 18 Q. Were you in any way suggesting that the operations were
11:43AM 19 being conducted in an unsafe manner and, therefore, could not
11:43AM 20 succeed?

11:43AM 21 A. No. That's not what I meant.

11:43AM 22 Q. Expressing, as has been suggested by some there --
11:43AM 23 predicting that there would be some kind of well blowout or
11:43AM 24 anything like that?

11:43AM 25 A. No.

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11:43 AM 1 Q. Did this have anything to do with the safety of the
11:43 AM 2 operations?
11:43 AM 3 A. No.
11:43 AM 4 Q. Did Mr. Sims respond to your e-mail?
11:43 AM 5 A. He did.
11:43 AM 6 MS. KARIS: If we can look at TRES-21099, please.
11:43 AM 7 BY MS. KARIS:
11:43 AM 8 Q. Mr. Sims -- is this his response back to you shortly after
11:43 AM 9 you sent it to him on Saturday morning?
11:43 AM 10 A. Yes, this is.
11:43 AM 11 Q. Okay. And we'll go through this pretty quickly, but just
11:43 AM 12 to -- he begins by saying: "John, I've to go to dance practice
11:43 AM 13 in a few minutes. Let's talk this afternoon."
11:43 AM 14 Did you know what Mr. Sims was referring to?
11:44 AM 15 A. Yes.
11:44 AM 16 Q. What was he talking about there?
11:44 AM 17 A. Both his daughter and my daughter, at different high
11:44 AM 18 schools, were part of the dance/drill team. And in Houston,
11:44 AM 19 one of the traditions is the fathers at some point during the
11:44 AM 20 year actually dance with their daughters either at halftime or
11:44 AM 21 at the basketball game.
11:44 AM 22 Q. Did you think Mr. Sims was being dismissive of your
11:44 AM 23 concerns?
11:44 AM 24 A. No, not at all.
11:44 AM 25 Q. He goes on to say: "For now and until this well is over,

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11:44 AM 1 we have to try to remain positive and remember what you said
11:44 AM 2 below - everyone wants to do the right thing."

11:44 AM 3 Did you believe that, that everybody wanted to do the
11:44 AM 4 right thing in connection with the well?

11:44 AM 5 A. Yes.

11:44 AM 6 Q. He says it should be obvious to all that we could not plan
11:44 AM 7 ahead for the well conditions we're seeing, so we have to
11:44 AM 8 accept some level of last-minute changes."

11:45 AM 9 What is he referring to there?

11:45 AM 10 A. Well, it's the -- being able to set up to either run a
11:45 AM 11 long string or a liner. And, you know, he's right, there's
11:45 AM 12 always changes. But he's just making reference to that.

11:45 AM 13 Q. He says: "We've both been in Brian's position before.
11:45 AM 14 The same goes for him. We need to remind him this is a great
11:45 AM 15 learning opportunity. It will be over soon, and the same
11:45 AM 16 issues -- or worse -- will exist anywhere else."

11:45 AM 17 Did you view yourself as Mr. Morel's mentor?

11:45 AM 18 A. I did.

11:45 AM 19 Q. Did you expect you were going to give feedback to
11:45 AM 20 Mr. Morel regarding this overall situation?

11:45 AM 21 A. And I did.

11:45 AM 22 Q. That's what I was going to ask, and did you give him
11:45 AM 23 feedback?

11:45 AM 24 A. I did.

11:45 AM 25 Q. What did you tell Brian?

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11:45 AM 1 A. Really just like what David said, you know. I said,
11:45 AM 2 "Look, you know, we're -- this is -- we're just getting used to
11:45 AM 3 all working with each other, as in a couple of new -- a couple
11:45 AM 4 new faces, but it's not a big deal and everything's going to be
11:46 AM 5 fine." And he totally agreed.

11:46 AM 6 Q. And then to the question of "what is my authority?" he
11:46 AM 7 says, "I don't think anything has changed with respect to
11:46 AM 8 engineering and operations. Mark and Brian write the program
11:46 AM 9 based on discussions/directions from you and our best
11:46 AM 10 engineering practices. If we had more time to plan this casing
11:46 AM 11 job, I think all this would have been worked out before it got
11:46 AM 12 to the rig. If you don't agree with something engineering
11:46 AM 13 related, and you and Gregg can't come to an agreement, Jon or
11:46 AM 14 me gets involved. If it's purely operational, it's your call."

11:46 AM 15 Is that your understanding of the division between
11:46 AM 16 engineering and operations?

11:46 AM 17 A. Yes.

11:46 AM 18 Q. And was that the practice that was in place even before
11:46 AM 19 you got this e-mail from Mr. Sims?

11:46 AM 20 A. Yes, it was.

11:46 AM 21 Q. Did Mr. Sims adequately address your concerns that were
11:46 AM 22 raised in this e-mail?

11:47 AM 23 A. It was a start.

11:47 AM 24 Q. Okay. And did you respond back to Mr. Sims' e-mail to
11:47 AM 25 you?

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11:47 AM 1 A. I did.

11:47 AM 2 MS. KARIS: Last one on this, 21099, again, right at

11:47 AM 3 the top.

11:47 AM 4 BY MS. KARIS:

11:47 AM 5 Q. What did you tell Mr. Sims after receiving his e-mail?

11:47 AM 6 A. "I totally concur. I told them all we will work through

11:47 AM 7 it together. I want to do better."

11:47 AM 8 Q. Now, there's been suggestion that somehow you were

11:47 AM 9 predicting that there were safety concerns.

11:47 AM 10 Did Mr. Sims go out to the rig a couple days after

11:47 AM 11 you sent him this e-mail?

11:47 AM 12 A. Yes, he did.

11:47 AM 13 Q. And was he on the rig on the evening of April 20th?

11:47 AM 14 A. Yes, he was.

11:47 AM 15 Q. After sending this e-mail to Mr. Sims, did you also

11:47 AM 16 address your frustrations or concerns with Mr. Walz?

11:47 AM 17 A. I did.

11:47 AM 18 Q. Tell us quickly what that conversation consisted of.

11:47 AM 19 A. On Monday, I had a conversation with Mr. Walz after the

11:48 AM 20 morning call. And I explained to him that, you know, the

11:48 AM 21 operation wasn't *Thunder Horse*, that I understand, you know,

11:48 AM 22 what they were trying to -- what they were doing there, and it

11:48 AM 23 was admirable, but the *Horizon* had a different type of setup.

11:48 AM 24 And I also told him he didn't have to apologize to me. And he

11:48 AM 25 understood.

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11:48 AM 1 Q. Okay. And earlier you said Mr. Sims' response was a
11:48 AM 2 start. Did Mr. Walz also alleviate some of your concerns or
11:48 AM 3 address your concerns?
11:48 AM 4 A. It was a good second step.
11:48 AM 5 Q. And were you satisfied then that there was an
11:48 AM 6 understanding as to your concerns for the operations and a plan
11:48 AM 7 in place to address those?
11:48 AM 8 A. Yes.
11:48 AM 9 Q. All right. And very briefly, after you guys made this
11:48 AM 10 decision to use six centralizers versus 21, did you receive a
11:48 AM 11 model from Halliburton -- a job report, I should say, from
11:48 AM 12 Halliburton?
11:48 AM 13 A. Yes, I did.
11:48 AM 14 MS. KARIS: 741.1.1, please.
11:49 AM 15 BY MS. KARIS:
11:49 AM 16 Q. Is this the post -- or excuse me. Is this the production
11:49 AM 17 casing job report that you received from Mr. Gagliano on the
11:49 AM 18 18th at 8:58 at night on a Sunday?
11:49 AM 19 A. Yes, it is.
11:49 AM 20 Q. Did you review it that evening?
11:49 AM 21 A. I did not.
11:49 AM 22 Q. Why not?
11:49 AM 23 A. I was in bed.
11:49 AM 24 Q. Okay.
11:49 AM 25 MS. KARIS: If we could look at 741.1.3.

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11:49 AM 1 BY MS. KARIS:

11:49 AM 2 Q. Did the e-mail also contain a table at the bottom and in a
11:49 AM 3 subsequent report?

11:49 AM 4 A. Yes, it did.

11:49 AM 5 Q. Is that the table that the e-mail contained that we're
11:49 AM 6 seeing there?

11:49 AM 7 A. Yes.

11:49 AM 8 Q. Describe for the Court what this -- first of all, I should
11:49 AM 9 start by saying Mr. Gagliano says: "Attached is the revised
11:49 AM 10 information for the upcoming 9 7/8 by 7-inch production casing
11:49 AM 11 job. The compressive strength is not completed yet, it has
11:49 AM 12 34 hours. The chart of the progress is below."

11:49 AM 13 What is this chart telling you that Mr. Gagliano has
11:49 AM 14 sent you?

11:49 AM 15 A. So from the operations standpoint, we're really interested
11:50 AM 16 in two -- two pieces. One is the job pump time -- and I'm
11:50 AM 17 going to point here in a second. One is the job pump time, and
11:50 AM 18 one is the compressive strength and how fast the cement -- and
11:50 AM 19 how hard the cement actually gets.

11:50 AM 20 So down here, he's -- Jesse, because he knew what we
11:50 AM 21 needed -- this right here is the actual compressive strength
11:50 AM 22 curve, and you could see it goes to 7 1/2 hours, seven --
11:50 AM 23 something like that. Okay. So that indicates what the pump
11:50 AM 24 time is.

11:50 AM 25 Q. What is the pump time? Why does that matter?

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11:50 AM 1 A. That's the amount of time that you have before the cement
11:50 AM 2 starts to get hard.

11:50 AM 3 Q. Okay.

11:50 AM 4 A. So it's -- so then -- then this, now, is the compressive
11:50 AM 5 strength curve. Okay? So what this is saying is after
11:50 AM 6 7 1/2 hours, the cement is going to get hard in a hurry.
11:50 AM 7 That's why this line goes straight up. This -- this line up
11:51 AM 8 here is almost 2500 psi. From the operations standpoint, we
11:51 AM 9 need this number here, 500 psi of compressive strength. That's
11:51 AM 10 the standard on what we can actually test our casing after the
11:51 AM 11 cement job is done.

11:51 AM 12 Q. And did this chart that Mr. Gagliano attached to the
11:51 AM 13 e-mail that he sent you answer the operational questions that
11:51 AM 14 you had in connection with the cement job?

11:51 AM 15 A. Yes, it did.

11:51 AM 16 Q. Now, attached to it was an OptiCem run; correct?

11:51 AM 17 A. Yes.

11:51 AM 18 Q. And there's been some reference to the fact that that
11:51 AM 19 OptiCem run had a gas flow potential section, 741.32.1.
11:51 AM 20 Did you look at this part of the report?

11:51 AM 21 A. I did not.

11:51 AM 22 Q. Why not?

11:51 AM 23 A. I didn't even know it was in there.

11:51 AM 24 Q. Had you reviewed other OptiCem models from Halliburton
11:52 AM 25 previously?

ALEXANDER JOHN GUIDE - DIRECT

11:52 AM 1 A. I have.

11:52 AM 2 Q. Okay. And do you know whether those other reports had
11:52 AM 3 this gas flow potential section in there?

11:52 AM 4 A. Well, after the incident, I went back -- I was -- I was,
11:52 AM 5 you know, wondering why I never saw this or never paid
11:52 AM 6 attention to it. I went back and looked at Freedom, the
11:52 AM 7 Freedom well, because it had -- it was a very large discovery
11:52 AM 8 that we had previously and with multiple, multiple pay zones
11:52 AM 9 that we cemented; and I looked at all the OptiCem runs, and it
11:52 AM 10 was N/A, not applicable.

11:52 AM 11 Q. There's been a lot of discussion about foam stability
11:52 AM 12 tests. And I just want to ask you, did you have any
11:52 AM 13 involvement with any of the foam stability testing that was
11:52 AM 14 done at Macondo?

11:52 AM 15 A. No, I did not.

11:52 AM 16 Q. Is it typical for you to see foam stability tests or
11:52 AM 17 results as part of your operations?

11:52 AM 18 A. No.

11:52 AM 19 Q. Did anybody ever raise any concerns with you about the
11:52 AM 20 foam stability testing?

11:53 AM 21 A. No.

11:53 AM 22 Q. Done with that. Let's talk about bottoms-up circulation.

11:53 AM 23 There's been a lot of testimony in this case already
11:53 AM 24 about bottoms-up, and so I don't want you to rehash all the
11:53 AM 25 ground --

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11:53 AM 1 **THE COURT:** Ms. Karis, maybe this is just as well, as
 11:53 AM 2 good a place as any to stop for lunch.

11:53 AM 3 **MS. KARIS:** Perfect. Thank you, Your Honor.

11:53 AM 4 **THE COURT:** Moving to a new topic.

11:53 AM 5 Let's come back at 1:15.

11:53 AM 6 **THE DEPUTY CLERK:** All rise.

11:53 AM 7 **(LUNCHEON RECESS)**

11:53 AM 8 * * * * *

8:44 AM 9 (WHEREUPON, the morning session proceedings were
 8:44 AM 10 concluded.)

8:44 AM 11 *****

8:44 AM 12 **CERTIFICATE**

8:44 AM 13 I, Jodi Simcox, RMR, FCRR, Official Court Reporter
 8:44 AM 14 for the United States District Court, Eastern District of
 8:44 AM 15 Louisiana, do hereby certify that the foregoing is a true and
 8:44 AM 16 correct transcript, to the best of my ability and
 8:44 AM 17 understanding, from the record of the proceedings in the
 8:44 AM 18 above-entitled and numbered matter.

8:44 AM 19
 8:44 AM 20
 8:44 AM 21 *s/Jodi Simcox, RMR, FCRR*
 8:44 AM 22 Jodi Simcox, RMR, FCRR
 8:44 AM 23 Official Court Reporter
 24
 25

\$	15th of [1] 8671/16	30 barrels [7] 8653/21 8709/1 8709/4 8711/1 8711/3 8711/14 8713/11
\$1 [1] 8614/6	1601 [1] 8565/3	30 percent [1] 8628/10
\$100 [1] 8630/17	1665 [1] 8569/9	30-barrel [1] 8710/7
\$40,000 [3] 8629/7 8629/20 8629/24	16th [3] 8669/9 8697/5 8702/24	30-plus [2] 8576/3 8604/4
\$700,000 [1] 8630/23	17 [1] 8693/15	300 [1] 8567/23
'	1700 [1] 8569/5	3089 [1] 8568/19
'88 [1] 8577/14	17th [2] 8708/16 8708/21	30th [2] 8621/18 8646/24
'91 [1] 8577/14	18 [2] 8632/10 8694/10	314 [1] 8694/7
'Every [2] 8629/6 8633/18	18 percent [1] 8626/21	31st [1] 8621/18
'flying [1] 8711/23	18,360 feet [2] 8668/5 8668/10	323 [1] 8632/6
-	1885 [1] 8567/12	33 [3] 8581/21 8582/3 8582/17
-cene [2] 8599/20 8599/22	18th [1] 8655/16	34 hours [1] 8721/12
.	18th at [1] 8720/18	35 [2] 8581/23 8653/17
...we [1] 8656/1	1980 [4] 8575/20 8575/22 8575/24	35,050 feet [1] 8598/2
.1.9 [1] 8676/3	8692/9	355 [1] 8568/15
0	1983 [2] 8689/9 8689/11	35th [1] 8568/15
02771 [1] 8564/7	1997 [1] 8589/6	36-inch [1] 8648/20
1	1:15 [1] 8724/5	36028 [1] 8566/10
1,000 feet [1] 8667/20	2	36130 [1] 8567/10
1.3 [1] 8615/9	2-hour [1] 8647/24	36604 [1] 8565/4
10 [4] 8704/10 8704/14 8705/16	20 [6] 8564/5 8582/3 8592/11 8628/10	3668 [1] 8564/20
8705/17	8632/6 8698/25	3700 [2] 8568/7 8568/11
10 additional [1] 8705/1	20 barrels [1] 8654/4	3rd [1] 8693/14
10 hours [4] 8704/18 8704/19 8705/7	2000 [4] 8578/10 8578/20 8587/6	4
8705/11	8593/24	40 [1] 8581/23
10 million [2] 8679/23 8684/9	20004 [2] 8566/22 8568/4	40 barrels [1] 8653/17
10-CV-02771 [1] 8564/7	2003 [1] 8579/22	402 [1] 8565/10
10-CV-4536 [1] 8564/9	20044 [2] 8566/17 8567/6	406 [1] 8569/12
10-MD-2179 [1] 8564/4	2007 [7] 8580/25 8581/3 8581/5 8581/8	4072 [1] 8635/25
100 percent [4] 8613/1 8613/3 8613/8	8589/4 8589/7 8597/9	4095.1.2 [1] 8599/6
8661/12	2008 [3] 8610/15 8612/22 8613/9	4095.1.3 [1] 8600/4
1000 [1] 8568/19	2009 [18] 8591/9 8591/9 8599/10	41025.1.3 [1] 8693/10
1001 [1] 8568/11	8604/11 8613/10 8618/5 8626/6 8626/7	41625 [1] 8675/18
101 [1] 8565/16	8626/12 8627/13 8627/14 8628/1	41625-N [1] 8676/2
1021.1.2 [1] 8655/13	8628/6 8629/3 8631/23 8634/23	4310 [1] 8566/3
1021.1.3 [1] 8655/12	8640/13 8642/14	4316 [1] 8585/14
11 [1] 8632/6	2010 [25] 8564/5 8574/18 8581/8	4341 [1] 8597/5
1100 [1] 8568/7	8585/23 8586/9 8587/13 8587/15	435 [1] 8565/16
1110 [1] 8568/23	8591/3 8593/19 8595/21 8597/18	4350 [1] 8612/19
1126.1.1 [1] 8659/4	8601/6 8614/17 8621/11 8621/19	45 [3] 8644/3 8644/18 8704/12
1126.1.2 [1] 8659/15	8624/13 8624/21 8644/25 8647/1	450 [1] 8566/10
1126.1.4 [1] 8660/14	8650/11 8655/16 8667/6 8668/8	4536 [1] 8564/9
1129.1.4 [1] 8687/4	8689/12 8694/4	47414.3.2 [1] 8623/9
1148 [1] 8663/11	2013 [1] 8564/7	47414.3.4 [1] 8623/19
1148.1.4 [1] 8664/20	20th [2] 8591/12 8719/13	47461 [2] 8614/13 8615/8
1148.1.6 [1] 8663/13	20th as [1] 8590/7	47570-N.3.1 [1] 8610/22
1201 [2] 8568/3 8569/5	21 [1] 8720/10	4800 [2] 8586/6 8586/8
127 [2] 8578/23 8579/3	21099 [3] 8710/19 8716/6 8719/2	48042 [1] 8702/22
13 [2] 8693/15 8695/7	2179 [1] 8564/4	48042.1.2 [1] 8703/4
13 miles [1] 8580/23	22-inch [2] 8648/21 8649/7	4941 [1] 8581/14
1308 [1] 8565/19	2211 [1] 8568/23	5
1331 [1] 8569/9	2216 [1] 8566/6	5 total [1] 8694/8
13th call [1] 8658/4	22nd [1] 8565/10	50 [2] 8644/3 8644/18
14 [2] 8677/18 8699/1	23 [1] 8582/3	50 miles [1] 8579/3
14-pound-per-gallon [1] 8677/15	23451 [1] 8565/10	500 [3] 8564/20 8567/9 8569/12
14.2 [4] 8677/16 8677/19 8678/4 8678/6	24-hour [1] 8647/23	500 psi [1] 8722/9
14.5 [2] 8677/18 8677/20	244 [2] 8597/12 8597/17	5000 [1] 8567/19
14.65 ppg [1] 8699/1	25 [1] 8653/18	504 [1] 8569/13
14.7 [4] 8699/2 8699/3 8699/5 8699/7	250 [1] 8585/7	51350.2.3 [1] 8600/21
14271 [1] 8566/22	250,000 barrels [1] 8670/25	5395 [1] 8566/10
14th [1] 8686/22	2500 psi [1] 8722/8	5500 feet [1] 8579/3
14th and [1] 8671/16	2615 [1] 8565/6	556 [1] 8564/20
15 [3] 8564/7 8697/22 8700/3	27 [1] 8564/14	575 [1] 8640/4
15 centralizers [1] 8707/15	28,760 feet [1] 8598/9	589-7780 [1] 8569/13
15-minute [1] 8666/19	28-inch [1] 8648/20	5965.1.3 [1] 8617/22
15.06 [1] 8697/21	29th [1] 8621/18	5967.1.4 [1] 8619/21
15.06 pounds [1] 8697/13	29th and [1] 8646/24	5973.1.6 [1] 8666/4
15th [1] 8687/8	2nd [1] 8601/6	6
	3	6 on [1] 8699/1
	30 [5] 8582/19 8582/20 8653/18	
	8680/15 8707/17	

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<p>7</p> <p>7 1/2 [1] 8721/22 7 1/2 hours [1] 8722/6 7-5395 [1] 8566/10 7-inch [3] 8676/6 8678/18 8721/10 7/8 [1] 8642/13 701 [2] 8567/16 8567/19 70113 [1] 8564/24 70130 [5] 8565/7 8565/13 8566/7 8567/17 8569/13 70139 [1] 8567/20 70163 [1] 8568/7 70360 [1] 8565/16 70458 [1] 8565/19 70501 [1] 8568/20 70502 [1] 8564/21 7062.1.3 [1] 8631/20 70801 [1] 8565/23 70804 [1] 8567/13 741.1.1 [1] 8720/14 741.1.3 [1] 8720/25 741.32.1 [1] 8722/19 75270 [1] 8569/5 7611 [1] 8566/16 7685.2 [1] 8644/22 77002 [1] 8568/11 77006 [1] 8566/4 77010 [1] 8569/9 77098 [1] 8568/23 7780 [1] 8569/13 796.1.11 [1] 8704/2 796.2.3 [1] 8696/25</p>	<p>8</p> <p>8093.1.5 [1] 8621/14 8093.3.1 [1] 8622/17 8146.3 [1] 8678/21 8146.8.1 [1] 8678/22 820 [1] 8564/23 8:58 [1] 8720/18 8th [2] 8657/11 8657/13</p>	<p>9</p> <p>9 7/8 [5] 8667/24 8668/2 8674/11 8678/18 8721/10 9 7/8 by [1] 8676/6 90071 [1] 8568/16 94005 [1] 8567/13 94102 [1] 8566/11 9th [2] 8565/13 8669/3</p>
<p>A</p> <p>A-L-E-X-A-N-D-E-R [1] 8574/8 abandon [3] 8680/22 8691/6 8696/7 abandoning [1] 8642/4 abandonment [3] 8655/9 8673/6 8673/12 Abby [1] 8571/25 ability [8] 8648/23 8667/20 8671/20 8671/24 8682/20 8691/9 8691/24 8724/16</p>	<p>9th [2] 8565/13 8669/3</p>	<p>10</p>

<p>A</p> <p>agree [17] 8584/23 8584/25 8602/14 8609/3 8615/12 8616/9 8619/7 8661/6 8661/8 8661/18 8664/7 8673/2 8686/5 8706/6 8706/21 8713/13 8718/12</p> <p>agreed [10] 8631/12 8661/5 8661/12 8661/14 8662/3 8662/4 8683/5 8683/12 8700/8 8718/5</p> <p>agreement [1] 8718/13</p> <p>ahead [7] 8575/9 8592/6 8666/19 8672/7 8701/13 8707/7 8717/7</p> <p>ahold [1] 8703/24</p> <p>aided [1] 8569/17</p> <p>aids [2] 8615/14 8615/15</p> <p>al [2] 8564/8 8564/11</p> <p>Alabama [4] 8565/4 8567/7 8567/8 8567/10</p> <p>ALEXANDER [2] 8574/3 8574/7</p> <p>all [149] 8571/1 8571/3 8571/12 8571/18 8572/23 8573/1 8574/1 8575/21 8576/2 8576/3 8576/15 8577/24 8578/14 8578/17 8579/7 8579/14 8580/7 8581/13 8582/7 8584/15 8584/18 8585/12 8586/4 8586/12 8586/22 8586/23 8587/7 8588/22 8589/1 8593/4 8593/4 8593/16 8594/11 8594/13 8594/20 8596/25 8597/7 8597/17 8597/21 8599/16 8599/25 8600/7 8602/5 8602/11 8604/19 8604/23 8605/1 8606/1 8606/5 8606/16 8606/25 8609/2 8609/5 8609/13 8610/21 8611/10 8611/15 8612/8 8612/8 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8580/21 8586/19 8592/12 8596/5 8598/9 8599/3 8603/15 8604/6 8604/9 8604/14 8606/10 8607/21 8608/21 8609/10 8610/3 8613/13 8616/15 8620/22 8631/14 8641/15 8642/13 8644/10 8644/20 8646/9 8648/8 8648/18 8649/19 8649/23 8651/20 8651/22 8654/16 8654/24 8656/18 8658/9 8658/11 8661/8 8669/13</p>	<p>8670/11 8673/18 8683/24 8684/8 8684/16 8684/25 8689/2 8689/3 8691/3 8691/8 8695/16 8699/20 8701/14 8709/7 8710/1 8710/5 8713/4 8713/21 8719/15 8719/24 8720/2 8721/2</p> <p>also on [1] 8689/2</p> <p>always [6] 8595/5 8620/17 8622/5 8672/9 8672/11 8717/12</p> <p>am [6] 8625/16 8627/22 8634/21 8694/6 8701/7 8705/19</p> <p>AMERICA [8] 8564/10 8566/9 8566/13 8566/19 8567/3 8567/19 8567/22 8568/3</p> <p>amongst [2] 8623/22 8689/1</p> <p>amount [9] 8629/15 8633/7 8633/25 8634/8 8679/24 8709/18 8712/7 8713/5 8722/1</p> <p>analyzed [1] 8653/15</p> <p>analyzing [1] 8637/6</p> <p>Andre [1] 8571/25</p> <p>ANDREW [1] 8567/22</p> <p>Angeles [1] 8568/16</p> <p>annual [2] 8625/18 8671/11</p> <p>another [13] 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[6] 8685/10 8701/25 8709/13 8710/19 8717/22 8723/12</p> <p>asked [8] 8605/17 8632/7 8675/10 8698/15 8703/21 8711/2 8711/13 8713/14</p> <p>asking [6] 8647/8 8647/12 8650/8 8688/23 8694/21 8700/21</p> <p>aspect [1] 8579/8</p> <p>assertion [2] 8605/16 8672/24</p> <p>assess [2] 8625/23 8626/2</p> <p>assessed [4] 8636/12 8637/3 8637/16 8642/17</p> <p>assessment [11] 8625/18 8625/20 8626/9 8626/12 8627/5 8627/12 8628/24 8637/14 8637/19 8638/6 8641/23</p> <p>assessments [1] 8641/19</p> <p>ASSET [1] 8564/8</p> <p>assigned [10] 8580/21 8587/24 8590/12 8590/14 8590/16 8590/22 8592/12 8592/20 8596/3 8596/21</p> <p>assignments [1] 8669/22</p> <p>assist [2] 8651/14 8656/16</p> <p>associated [7] 8595/12 8630/15 8643/8 8681/11 8681/12 8694/9 8712/5</p> <p>assume [1] 8657/24</p> <p>astutely [1] 8677/5</p> <p>Atlantis [9] 8594/9 8604/9 8693/24 8700/16 8702/17 8703/15 8703/22 8705/13 8706/13</p> <p>attach [1] 8703/3</p> <p>attached [5] 8656/5 8684/16 8721/9 8722/12 8722/16</p> <p>attachment [1] 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8645/22 8656/14 8657/11 8658/1 8672/11 8672/22 8672/24</p>	<p>8679/21 8680/16 8681/15 8687/1 8687/8 8689/10 8691/11 8692/8 8695/12 8695/16 8699/9 8701/8 8701/23 8705/7 8710/16 8711/21 8714/22 8715/22 8717/13 8718/11 8719/8 8722/18 8723/11 8723/23</p> <p>before [40] 8564/15 8571/3 8575/2 8587/13 8593/7 8601/7 8617/11 8624/21 8625/11 8627/1 8627/3 8627/4 8635/5 8636/5 8636/12 8639/11 8645/13 8654/2 8663/16 8669/2 8672/12 8672/15 8686/21 8688/11 8692/9 8693/15 8693/15 8694/18 8695/7 8695/23 8702/7 8706/2 8706/4 8714/13 8715/4 8715/16 8717/13 8718/11 8718/18 8722/1</p> <p>began [1] 8609/21</p> <p>begin [2] 8602/12 8713/13</p> <p>beginning [4] 8591/12 8637/13 8639/8 8648/20</p> <p>begins [2] 8611/1 8716/12</p> <p>behalf [3] 8571/8 8571/15 8572/10</p> <p>behavior [1] 8608/20</p> <p>behavioral [1] 8617/4</p> <p>behavioral-based [1] 8617/4</p> <p>behind [7] 8652/9 8665/15 8701/9 8708/15 8709/1 8711/3 8713/11</p> <p>being [29] 8589/13 8589/19 8595/11 8603/8 8603/12 8608/21 8609/25 8612/5 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8690/18 8713/2</p> <p>bit [4] 8575/3 8595/16 8597/25 8710/6</p> <p>blade [1] 8691/18</p> <p>blades [8] 8691/12 8691/12 8691/13 8691/17 8691/19 8691/21 8691/22 8694/10</p> <p>blank [1] 8624/8</p> <p>Bldg [1] 8566/10</p> <p>bleed [2] 8661/21 8661/22</p> <p>Bleeding [1] 8661/12</p> <p>block [2] 8614/21 8614/22</p> <p>blowout [3] 8691/10 8708/9 8715/23</p>
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	C	
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<p>T</p> <p>that's... [41] 8665/22 8668/9 8668/25 8679/10 8680/2 8680/7 8680/11 8681/21 8683/4 8683/11 8683/20 8684/10 8685/8 8686/23 8687/10 8689/13 8690/23 8691/11 8692/10 8692/21 8695/3 8699/8 8699/22 8701/5 8701/22 8701/24 8703/5 8703/9 8703/13 8705/2 8705/6 8711/11 8712/6 8712/8 8712/16 8714/3 8715/21 8717/22 8722/1 8722/7 8722/9 the Deepwater Horizon [1] 8614/17 theater [2] 8613/18 8644/3 their [34] 8577/23 8583/7 8583/17 8583/17 8583/20 8586/22 8595/1 8595/6 8595/8 8596/19 8605/6 8606/4 8610/3 8610/5 8622/1 8622/9 8622/11 8649/15 8654/2 8654/3 8659/22 8660/5 8662/10 8662/12 8672/10 8686/3 8694/12 8707/1 8711/22 8712/8 8712/9 8712/11 8712/12 8716/20 them [59] 8572/4 8572/5 8572/12 8583/18 8586/11 8587/8 8595/7 8595/7 8595/10 8595/24 8597/24 8598/21 8598/22 8601/13 8603/2 8603/3 8607/17 8607/18 8608/9 8608/11 8608/16 8608/25 8609/7 8609/14 8618/17 8618/23 8624/16 8625/8 8625/23 8627/2 8635/23 8635/24 8636/8 8647/12 8649/22 8649/24 8659/23 8659/24 8660/6 8661/9 8671/14 8690/15 8695/10 8695/20 8695/21 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<p>worked [41] 8576/6 8576/20 8576/24 8577/1 8577/13 8578/6 8583/25 8586/9 8586/13 8587/5 8587/6 8587/12 8587/14 8588/12 8589/2 8589/7 8590/3 8592/22 8593/10 8593/25 8595/6 8595/15 8595/17 8595/19 8596/6 8596/15 8603/1 8605/18 8605/19 8605/23 8607/6 8608/5 8609/14 8609/16 8648/19 8670/10 8697/24 8699/15 8699/17 8710/10 8718/11</p> <p>working [25] 8577/4 8577/10 8579/16 8581/10 8581/22 8589/3 8589/3 8597/8 8602/4 8602/12 8602/18 8610/4 8611/10 8612/1 8618/16 8618/24 8620/8 8620/9 8623/12 8649/9 8650/16 8663/9 8689/10 8698/17 8718/3</p> <p>workover [2] 8578/17 8582/5</p> <p>works [1] 8584/11</p> <p>world [4] 8598/5 8638/4 8670/22 8713/3</p> <p>worse [2] 8686/25 8717/16</p> <p>worth [2] 8615/14 8618/11</p> <p>would [110] 8571/10 8572/12 8581/25 8583/5 8583/5 8583/7 8583/8 8583/9 8585/6 8588/1 8588/9 8588/14 8589/16 8591/8 8593/4 8594/5 8594/16 8594/21 8596/9 8597/11 8598/20 8598/21 8601/20 8602/9 8603/24 8603/25 8608/7 8608/7 8608/9 8608/10 8608/14 8608/15 8608/20 8609/12 8609/12 8609/12 8609/13 8613/18 8613/18 8614/2 8615/19 8617/5 8617/6 8617/6 8617/7 8617/11 8617/25 8618/7 8618/19 8618/20 8618/21 8619/2 8619/7 8620/2 8621/5 8623/4 8626/14 8627/16 8628/11 8637/4 8637/16 8637/17 8638/4 8638/6 8638/9 8638/10 8638/23 8638/25 8639/5 8640/13 8643/12 8643/14 8646/20 8647/3 8648/9 8649/3 8649/4 8649/7 8662/17 8663/18 8672/22 8674/3 8674/10 8675/8 8676/25 8679/21 8681/4 8682/23 8683/18 8685/1 8687/8 8688/14 8691/5 8691/6 8691/21 8691/23 8695/6 8696/14 8704/14 8705/7 8705/14 8706/23 8706/24 8706/25 8710/9 8710/16 8713/12 8715/9 8715/23 8718/11</p> <p>wouldn't [1] 8649/8</p>	<p>Wright [1] 8564/18</p> <p>write [6] 8659/11 8710/23 8711/20 8712/14 8714/9 8718/8</p> <p>writes [2] 8600/11 8601/17</p> <p>writing [1] 8704/6</p> <p>written [1] 8650/24</p> <p>wrong [4] 8661/13 8690/19 8705/17 8707/15</p> <p>wrote [1] 8632/12</p> <p>WSL [1] 8620/3</p> <p>Y</p> <p>yeah [15] 8599/21 8616/8 8632/1 8637/13 8649/12 8649/16 8649/19 8649/21 8656/15 8686/5 8687/23 8694/19 8702/4 8703/20 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8617/14 8643/19 8645/1 8683/2 8691/22 8693/2 8693/17 8699/16 8708/8 8710/10 8717/17</p> <p>Z</p> <p>Zatarain [3] 8571/18 8572/3 8572/22</p> <p>zero [1] 8620/17</p> <p>zonal [2] 8642/12 8642/17</p> <p>zone [5] 8661/13 8689/21 8689/25 8690/1 8690/1</p> <p>zones [1] 8723/8</p>
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