

From: Arabie, Wilson (Frontline Group)
Sent: Wed Apr 21 23:06:21 2010
To: Walz, Gregory S
Subject: Notes from today's meeting
Importance: Normal
Attachments: 100421-Macondo_Plan_Forward.ppt; 100421-2pm_Macondo_Tactical_Team_Minutes.doc

Gregg,

Here is the PPT with the captured notes from today's meeting. I've also attached the meeting minutes for you. They might be easier to follow.

Thanks,

Wilson

Wilson J. Arabie

The Frontline Group

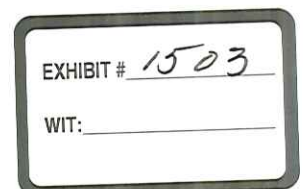
Performance Improvement

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Proposed Agenda

Articulate Individual Role and Deliverable for Next

- * 24 Hours
- * 48 Hours
- * 72 Hours

High Level Look at D&C Resourcing

- * IMT
- * Tactical Planning Team
- * Keeping Rest of Fleet Running and Safe

What Subsurface Support do we Need

24/7 Rotation Plans

- Gregg/Jon primary contact
- Tonight (4/21): Brent, Bill, Kurt, Jimmy (until done w/ work)
- Back @ 4:30 AM (4/22): Brent, Gregg, John G, Jon S, Update from Cindy

Actions Completed

- Kicked-off directional survey quality checks
- Initiated Well Basis of Design
- Kick-off meeting w/ Well subsurface team
 - Pore pressure
 - Shallow Hazards
 - Geology Review
- Initiated plan to mobilize Enterprise rig

Plan Forward - Roles

- WWC – SoR
- Mark/Brian – BoD
- Brent – SWF/ Well Control → Surface Location
- Kathleen/Chuck – Well Plan
- Chip/Wayne/Bill – Directional
- John Guide/ Brett/ Mark/ Jimmy/ Dave F. – Data Analysis
- Kurt – Modeling
- Cindy/Dianne – Data Support

Plan Forward – Next 24 Hours

5:00 AM 4/22

- Brent – Wellbore Profile
 - Need subsurface location, recommended trajectory from WWC/Schlumberger
- Mark – start working revised Pore Pressure Plot
 - Need refreshed Pore Pressure Plot (Marty A.)
- Kathleen/Chuck – Drilling program
 - Need program from Brett
- Kurt – complete open flow modeling
 - Need reservoir data from Walt B.
 - Contact Payne/Pattillo Casing Design
- Bill/Chip/Wayne – Well Positioning QA'd
 - Need confirmation from Sperry/ Schlumberger
 - Need surveying recommendation from WWC
- John Guide/ Brett/ Mark/ Jimmy/ Dave F.
 - by 10:00 AM – preliminary analysis of mud logging data
- Wilson/Eric – SharePoint/Server Access, Minutes
- Cindy/Dianne – Contact list; Cell phones
- John/Gregg – Plan for 24/7 subsurface support, Plan to update subsurface

Plan Forward – Next 48 Hours
5:00 am 4/23

- Mark – BoD
 - Need WWC/ Subsurface agreement
- Kathleen/Chuck/Kurt/ Brent/ Bill/Chip/Wayne – Start Well Plan
- Brett/Mark – Continue to analyze data
- John Guide/ Brett/ Mark/ Jimmy/ Dave F.
- Wilson/Eric – Ready to start project plan
- Cindy/Dianne –
- John/Gregg – Crosscheck of other potential influx zones w/ subsurface

High Level Look at D&C Resourcing

| | Response | Normal Business |
|----------|----------|-----------------|
| Gregg | John | Harry |
| John | Dan | None |
| Kathleen | Chuck | Miglicco/ Jones |
| Mark | Brian | Nick Lirette |
| Jimmy | Brett | None |
| Bill | | TBD |
| Cindy | Dianne | |
| Wilson | Eric | CP Coordinators |
| Brent | Kurt | TBD |
| Keith | Jim W. | TBD |
| Jon S | Gregg | TBD |
| Chuck | Kathleen | Pickett |

IMT

- Enterprise – Dan, Andy, Kathleen
- DD II – John Shaughnessy
- DD III – Robert
- PDQ – Tony, Chuck
- DoA – Schilling
- DoC – Nohavitza

Issues

- 1 or 2 relief wells
- Additional shallow seismic
- MI mixing top hole mud now 18000 bbls
- Boat Support
- Expedite sample analysis
- Extra Resources

Need – Transocean Enterprise

- Rig Capability
- Rig Readiness
- Understand Relief Well Needs

Resources

BP

- Mark Hafle
- Brent Reeves

Role

Macondo Well Insights
Relief Well

Macondo Response – Meeting Minutes 21 April 2010 – 2:00pm

Attendees:

Jon Sprague
Bill Allen
John Guide
Brett Cocalis
Dan Stolz
Eric Mueller

Gregg Walz
Chuck Ware
Mark Hafle
Kurt Mix
Dave Rich
Wayne Courville

Brent Reeves
Kathleen Halvorson
Jimmy Adams
Keith Daigle
Cindy Holik
Chip LaCombe
Wilson Arabia

Minutes:

Introductions – ALL

Review Meeting Objectives and Agenda – Jon

- Articulate Individual Role and Deliverable for Next:
 - * 24 Hours
 - * 48 Houts
 - * 72 Hours
- High Level Look at D&C Resourcing
 - * IMT
 - * Tactical Planning Team
 - * Keeping Rest of Fleet Running and Safe
- What Subsurface Support do we Need
- 24/7 Rotation Plans

Recap Activities to date – Jon

- Kicked-off directional survey quality checks
- Initiated Well Basis of Design
- Kick-off meeting w/ Well subsurface team
 - Pore pressure
 - Shallow Hazards
 - Geology Review
- Initiated plan to mobilize Enterprise rig

Review of Org Chart – Jon

- See Org Chart on Wall or in SharePoint project site
([http://gomdnc.bpweb.bp.com/mtr/Shared%20Documents/Macondo Tactical Team Org Chart.ppt](http://gomdnc.bpweb.bp.com/mtr/Shared%20Documents/Macondo_Tactical_Team_Org_Chart.ppt))

Information Management

- Harry led a discussion about need for good document control and a complete record of what is happening.
- We will have a legal advisor to assist us in making sure that we capture a complete record.
- Brent asked if we need to be capturing minutes for all meetings that are underway.
- Harry said that minutes would be captured for key meetings, but that in other meetings that resulted in key documents, those documents would be captured in SharePoint.

Macondo Response – Meeting Minutes 21 April 2010 – 2:00pm

Discussed the need to get access to the Macondo Shared Folders for some of the Tactical Team: Kurt Mix, Kathleen Halvorson, Chuck Ware.

Logistics Issues

- Touchdown cubes are available on the 3rd floor (373 A, B, C, D, E, F and 379 A, B, C)
- Rooms are available at ???
- Showers at Wellness Center – closes at 7:30pm

Review of Assignments (Roles and Deliverables) – Jon

| <u>Team</u> | <u>Task</u> |
|--|--|
| Wild Well Control | SoR |
| Mark Hafle / Brian Morel | BoD |
| Brent Reeves | SWF / Well Control -> Surface Location |
| Kathleen Halvorson / Chuck Ware | Well Plan |
| Chip LaCombe / Wayne Courville / Bill Allen | Directional Plan |
| John Guide / Brett Cocalles / Jimmy Adams / Mark Hafle | Data Analysis |
| Kurt Mix | Open Flow Modeling |
| Cindy Holik / Diane Chmura | Data Support |

Deliverables for tomorrow morning 22 April 2010 (Thursday)

| <i>Name</i> | <i>Deliverables - 5:00am 22 Apr 2010</i> | <i>Needs</i> |
|---|--|---|
| Brent Reeves | Wellbore profiles (2) | Surface Locations. Recommended trajectory from WWC/SLB. |
| Mark Hafle | Start working Revised Pore Pressure Plot Plans to redrill Macondo Well Drill in 60 days, remove NPT. Manage environmental aspects. Will need help on contingency plans. KOP about 11K to 12K feet. | Refreshed Pore Pressure Plot (from Marty A). Surface Locations. Directional Plot. ROV review. |
| Kathleen Halvorson / Chuck Ware | Plan for mixing top hole mud. | |
| Kurt Mix | Produce baseline model for Open Flow Modeling. | Reservoir data from Walt B. Contact Payne and Patillio to look at Casing Design. |
| Bill Allen / Chip LaCombe / Wayne Courville | Quality Assurance on 3D Well Positioning. | Assistance from Wayne and Brian Audio. Need confirmation from Sperry Sun. Need Surveying recommendation from WWC. |
| Wayne Courville | Well Planning to be done by SLB. Wayne will assist as needed. | |

**Macondo Response – Meeting Minutes
21 April 2010 – 2:00pm**

| | | |
|--|--|--|
| John Guide / Brett Cocalles / Mark Hafle / Jimmy Adams / Dave Foster | Review current well logging data. Set a time (10:00am) to show results of preliminary analysis. | <i>Need subsurface to help review the data.</i> |
| Wilson Arabie / Eric Mueller | Sharepoint / Server Access / Minutes | |
| Cindy Holik / Dianne Chmura | Contact List: cell phones | Input from team members |
| Jon Sprague / Gregg Walz | Plan for 24/7 Subsurface Support. Plan to update Subsurface Team. | Marty Albertin / Robert Bodek / Craig Schershel |

Deliverables for two days out 23 April 2010 (Friday)

| <i>Name</i> | <i>Deliverables - 5:00am 23 Apr 2010</i> | <i>Needs</i> |
|--|---|-----------------------------------|
| Mark Hafle | BoD Completed. | Need WWC and Subsurface agreement |
| Kathleen Halvorson / Chuck Ware | Start on Well Program. | Program from Brett Cocalles |
| Bill Allen / Chip LaCombe / Wayne Courville | Coordinate with Brent on QA/QC of Directional Plan. Make sure that well survey data is secure. | |
| John Guide / Brett Cocalles / Mark Hafle / Jimmy Adams / Dave Foster | Continue to analyze data (Brett & Mark) | |
| Wilson Arabie / Eric Mueller | Ready to Build project plan. | |
| Jon / Gregg | Cross-check of other potential influx zones. | |

High Level Look at D&C Resourcing

| Back-up for | IMT Response | Normal Business |
|--------------------|---------------------|------------------------|
| Gregg Walz | Jon Sprague | Harry Thierens |
| John Guide | Dan Stolz | None |
| Kathleen | Chuck Ware | Miglicco / Jones |
| Chuck Ware | Kathleen | Pickett |
| Jon Sprague | Gregg Walz | TBD |
| Brent Reeves | Kurt Mix | TBD |
| Mark Hafle | Brian Morel | Nick Lirette |
| Jimmy Adams | Brett Cocalles | None |
| Cindy Holik | Diane Chmura | None |
| Bill Allen | None | TBD |

Macondo Response – Meeting Minutes 21 April 2010 – 2:00pm

| | | |
|---------------|--------------|-----------------|
| Keith Daigle | Jim Wellings | TBD |
| Wilson Arabie | Eric Mueller | CP Coordinators |

Impact of IMT Team on ongoing operations

| IMT Team | |
|------------|---------------------------|
| Enterprise | Dan Stolz, Andy, Kathleen |
| DD 2 | John Shaughnessy |
| DD 3 | Robert Sanders |
| PDQ | Tony, Chuck |
| Ascension | Schilling |
| Clarion | Nohavitza |

Discussion about Subsurface Well Needs

- Jon Sprague and Gregg Walz to work.

Discussion about 24/7 work plans

- Will work on a 24/7 basis as needed. No need for full team on first day.
- Assignments

Coverage 4/21 evening

| |
|--------------|
| Brent Reeves |
| Bill Allen |
| Kurt Mix |
| Jimmy Adams |

In on 4/22 morning - 4:30am

| |
|--------------|
| Brent Reeves |
| Gregg Walz |
| John Guide |
| Jon Sprague |

Actions:

| Task | Who | When |
|---|-----|------|
| See Task List in SharePoint Site | | |
| http://gomdnc.bpweb.bp.com/mtr/Lists/Tasks/AllItems.aspx | | |
| | | |