From: Caldwell, Jason

Sent: Tue Jun 15 01:06:17 2010

To: Dupree, James H; Shaw, Neil; Lynch, Richard; Tooms, Paul J; Looney, Bernard; Wells, Kent; Lynch,

John E Jr. (Jack)

Cc: Verchere, Christina C; Maguire, Niall J; Roberts, Jamie Y; Peijs, Jasper; Malone, Ryan P

Subject: Secretary Salazar and Secretary Chu Meeting Slide Pack

Importance: Normal

Attachments: Secretary Salazar Chu June 15 2010_final.ppt

Enclosed is the slide pack for tomorrow's meeting with Secretary Salazar and Secretary Chu.

Jason Caldwell

Executive Assistant to James Dupree

BP Gulf of Mexico SPU

281-366-1982 (O)

281-366-4300 (F)

(M)

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Agenda



- Forward Strategy
- External Involvement
- Learnings and Challenges
- Containment Options
 - ? Mid-June Containment
- ? End of June Containment
- ? Mid-July onward Containment
- Relief Wells

Forward Strategy



- Long Term Relief Wells
- Short Term Containment
- Leveraging Industry and Government Expertise
- Multiple Parallel Options
- No Stone Unturned

External Involvement



Governm	ent &	Edu	cation
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? US Navy

? US Coast Guard

? Department of Defense

? Department of Energy

? Department of Interior

? Environmental Protection Agency (EPA)

? LSU faculty

? UT faculty

n • Industry

Service Providers

? Oil and Gas companies: ? 100+ companies incl:

? ExxonMobil ? Oceaneering

? Shell ? Schlumberger

? Chevron ? Cameron

? Conoco Philips ? Transocean

? Anadarko
? Wild Well Control

? Marathon ? Boot & Coots

? Cudd Well Control

? ENI ? Halliburton

7 Petrobras 7 GE

? amongst others

? Hess

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External Peer Reviews



- Top Kill
- Relief Well Ranging
- Latch Cap
- Stack on Stack
- Relief Well Kill

Learnings and Challenges



- Rupture Disks
- Pressure drop in BOP
- Drill pipe in BOP 2?
- * Flex Joint and BOP inclination
- Single MUX cable
- Hydrates
- Subsea Dispersant
- SIMOPS / VOCs
- Hurricane Season

Building Containment Capacity and Redundancy

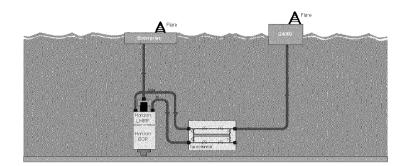


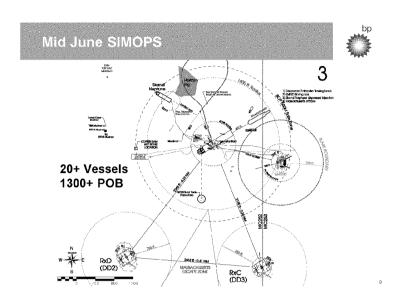
Timing	Capacity [mbd]	Production Vessel		
Mid June	20-28	Enterprise + Q4000		
End June	40-53	+ Toisa Pisces <u>or</u> Helix Producer		
Mid July	60-80	+ Both Toisa Pisces and Helix Producer + Clear Leader		

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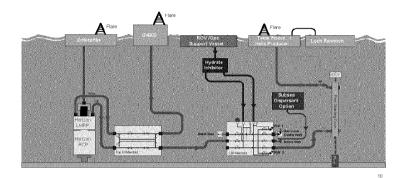
Containment and Disposal Project







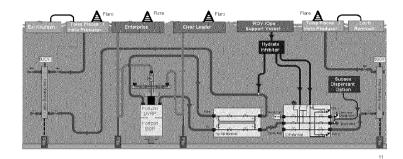
Containment and Disposal Project - Phase 2

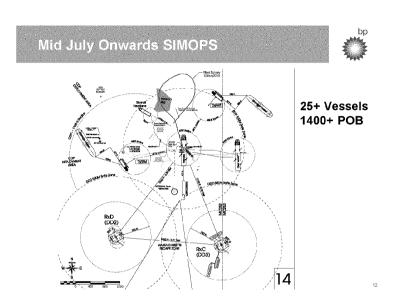


Containment: Mid July Onwards Capacity 60-- 80 mbd



Containment and Disposal Project - Phase 2



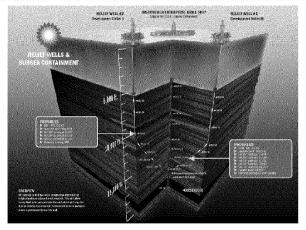


Redundancy and Capacity Actions – Beyond Base Plan



- An FPSO has been mobilised from South America (ETA mid July) redundancy in the event of a failure on the Toisa Pisces or Helix Producer
- Two additional Lightering Tankers have been mobilised from Europe on June 11 – in addition to the Loch Rannoch (mobilised from Europe on 27 May)
- 3,800ft of 6" coflexip has been mobilised from Brazil and 6000ft of 6" coflexip has been mobilised from France.
- Evaluating potential to retrieve and repair the blue control pod on the Deepwater Horizon BOP – yellow pod redundancy
- Work has begun on ensuring that the **Enterprise** or the **Clear Leader** drillships can connect to either of the **permanent riser systems**
- Work has started on building additional heat capacity into the test equipment on the Clear Leader in an effort to expand its installed capacity.

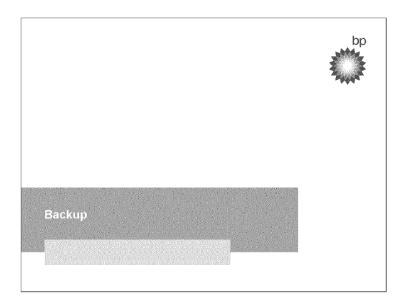
Relief Wells



Requests



- ✓ Resourcing for Clear Leader Chevron
- Resourcing for Seillean
- Ongoing Peer Reviews Relief Well Kill
- Ongoing Resources for Houston Response Team



Containment: Global Options



Venter	Owned By	Location	Availability / Involve	оп	FINITING	Storege 1000 w or	Ricor	Technical Viability
DP Veppela"								
Dipoovers: Enterprise	тоя	Onsite	Secured	16 - 19	45+	199	FSR	
Helix Productr	Helix	G:M	Secured	20 - 25	30	filons - requires off take S atorage	FSR	
Tales Plaase	Deallan	30M/ Mexico	Secured	20 25	50	30	rom	10/2003
Diagoyarar Clear Leader	TOI	COM/ Chevren	Secured	10 - 15	45+	125	FSR	
04000	Helix	On Site	Destrect	6 - 1C	60	No. Evergreen Dil Burnar boom	FRR	
50,0000	Frontier Drilling Feen ley (Broker)	Brezil	Secured	20 - 29 up grode	16+ rancet	300	Tenmon Pleas	
Ungcovered Insplication	TOI	Chevron	Sicter ship to Clear Leader, without process facilities	thei	tbd	125	FSR	
Discoverer Splits	тоя	GOM/ Anteleiro	Sister ship to Enterprise, without process facilities or otoroge	,	ttod	ttod	FOR	
BWCarmen	BW Offshore	Norway	Norway inspected 2010, significant preparations regulated	20	36	50	FIR	
Rublioan Ventoge	Rubleon	Gingapero	Singepore with Bow Single point mooring	40	92	679	Bow/ SPM	
SBM Pelcen	сем	Por Boot	Fer East - TBD controst status	115	118	2200	External Turret	
Utagn deem	O ILLEWSTON	Rotterdani	Cord Strcked	97	ze	DENA	Moored	
Griffin Venture	DIT	Far East	Stecked in Lebuan	00	45	029	Bow Turret	