
DEEPWATER HORIZON MC – 252



MEETINGS

04/20/2010-08/15/2010

5326

Exhibit No. _____
Worldwide Court
Reporters, Inc.

4/20/2000

Meeting w/ BP

Simon Rodde

Ken DeJohn

Jim Grant

Bobby Carter

Bill Brainer

Charles

Dick Smith

(MC -1)



(SH-1)

IWL

Ranking (those required for startup)

4/21/2010

(2200)

- ① ON 4/20/2010 BP became aware of an evacuation on the Transocean Deepwater Horizon DP vessel
- ② 126 people on board \Rightarrow 12 missing mostly drill floor
Various support vessels on location to aid in evacuation
115 accounted for 10 injured

6 Med evaced \rightarrow to south east Alabama
4 med evaced \rightarrow to ~~off~~ West Jefferson
- ③ Active fire, Active well control event,
Debate on whether to get the DP vessel to hot
stab BOP stack to shut in well
An attempt to activate BOP stack was made but not
clear if it worked
- ④ GOR on well is 3000
- ⑤ Well is still latched up
- ⑥ Is it under DP power
- ⑦ Set production strings, \rightarrow Plus set @ 8500'
- ⑧ Transocean has incident command set up across
way in the office

④ Water was being sprayed on the vessels, Derrick did collapse

⑥ Plan is to intervene w/ DOV vessel

⑪ 8 BP personnel being flown to Houston
need to participate w. Debriefs

⑫ GOR = 3000

Flow Potential Oil \Rightarrow

weight

Gravity

well tests

confirm spill. Response Response



4/21/2010 (TRANSCOAN)

- ① Mike Wright - welder comment Cell - [REDACTED]
- ② Well ~~was~~ well had annular closed when welder occurred
- ③ Possibly occurred ~~during~~ during negative pressure test.
- ④ Max Smith is vessel that will support ROV operation
- ⑤ Blades being brought in to support cutting of riser after
the well has been shut in
- ⑥ 10° list - could possibly be a result of water spray
- ⑦ Max Smith contacted & water spray will be changed
- ⑧ Possible Life Boat discovered
- ⑨ Anthony Pasiek with USCG to come to Transocean office
- ⑩ ~~Acoustic~~ Acoustic controlled, Bop's - not available ???
- ⑪ Schmidt is salvage company
- ⑫ A lot of misinformation regarding the transport of 94
personnel - MMS not on Board
- ⑬ Possible report of hull breach on one of the columns
w/ fire coming out - NO - Bumper bunnies
- ⑭ 1st ROV Attempt failed due to pump problems
- ⑮ 2nd ROV attempt in progress - not working max coast
- ⑯ Acoustics much more reliable today, makes the case
- ⑰ C-Express sending ROV to try deadman cut
- ⑱ DWH is 714' ~~offshore~~ NE of wellhead
- ⑲ Mike Wright
- ⑳ 15%
- ㉑ Spoke to

LUNDIN USCG

4/22/2010 Transocean

ERIC Hall - PIC - Incident command

- ① Meeting w/ BP USCG, MMS Region, Transocean
- ② Manifold/accumulators being sent from dock
- ④ 242° → Riser → Roughly 10:20 Rig sank
w/ current → moved vessels
- ⑤ ~~BP~~ ~~Transocean~~ waiting on 4th/5th attempt ROV attempt
to close rams
- ⑥ waiting on screen report
- ⑦ MMS may want to consider location of any evidence
- ⑧ waiting on riser survey
- ⑨ Flex Joint Broke @ top of LNEP
- ⑩ ROV - 581 above BOP - Broken @ Flex Joint / LNEP
No flow confirmed, Choke & Kill gone 3:55pm.
Accumulators gone
- (ii) Spoke to Mike Wright @ 10:00pm Regarding
IADC reports

Billy Strong fellow

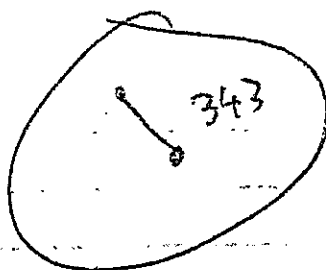
cell

Street Hand

832-

Switch Home

Date -



① ED, ? ☐ Keith Daisie

② IAPL - TO →

③ BOSTY ☐ - call ☐ Keith

④ Electronic Data ? Email ☒

⑤ SWE needs still of BOP Stack

★ ^{sent DO dykes}
NO Flow

★ ⑥ confirm sequence of Explosions MIS

★ ⑦ blackout MIS

⑧ MASP from BP ☒

⑨ OFF set location 330° → N/W

⑩ BOP Schematic ☒ - waiting on Electronic

⑪ Raw like feeds

TOP 18065 MD }
w/L Locs
M-56
Bottom 18190 MD }

Pet O'Boyle

VP Drilling & completion Interventions

- ON Location

- Every month rig operations

- 4 months w Job

- PE → 22 years PHD LSU 1988

- 2000 acquisition ARCO

- Tuesday Night

- meeting w/ day crew

- 9:00 pm

- went up to bridge w. captain

- David Sims

- Dave Winslow TO

- DP operator

- 10:00 pm - shoot

- Rig shakeouts

- OPE

Pat O'Brien
 David Sims
 Don Winslow
 Budd Trehon

- Mud coming through diverter
- Hissing sound
- Suck sound
- Fire on Rise fire
- 2nd Explosion - power lost
- Personnel - PSCOPs
- OIA -
- Captain Ashed - Board turned red
- Assigned to Life Boat 2 & 4 forward & aft
- went to supply boat that moved off boat
- 2 knots current
- Sounds - Lost power
- Supply boat covered in mud - Flowing from diverter
- Landed 2:30 Dave Sims, Don W

Budd Trehon Don Winslow

- Ines orientation, given a cart - Forward
- Poured Ris - got PPE
- 5:30 - 5:45
- dinner 6:00 - 6:15 - Risk for head pressure
- met w/ OIA & supervisor @ 7:00 pm
- huge focus on DO discussed - head injuries
- PM's discussed - work plans - prefo
- 7 days w/ work lost - Best Risk performance in fleet
- went to about 9:00 pm

① Donald Vedrine
Well Site Leader
Company Rep Rig
4 months on this Rig
25 years w/ BP
w/ Hammond oil 14 years w/ out Phillips

Came on Tower @ 6:00 pm
process of doing a negative test
to displace well with seawater
7:20 ~~first~~ 7:20 negative test complete
displaced a pill; displacers chokes & kill w/ seawater
continue the displacement

- went downstairs to do work in office.
- when d/p pill came up — to screen test
- went to floor — every OK
- Strokes OK
- went back to office
- called him w/ problem getting
- mud being blown everywhere
- started back
- First explosion — around 9:00 before 10:00 pm
- saw Fire
- got life jacket
- went to Bridge
- closed annular to divert through — subsea hand
- Bridge to check — Hit EDF

→ Panel in bristled lower annular on top of 60P

→ Any vibrations →

→ power did go out A few minutes after first blast
around 15:00 pm

→ Evacuation → chaos → managed to get folks into both
capsules →

→ went down smoothly — both did

→ people went overboard, they were rescued

→

Lee Lambert

Bob Kaula

Well Site Leader

(Training) first time

4th hitch

done negative

3 1/2 years BP

- Baker Hughes Entech

- Knock off, in Bed at time of incident

- heard explosion that woke up) 1 minute

- 2nd Blast Knocked him out of bed

- made his way life boat - Alarm going off

- command center at Bankston (Supply Boat)

- make his way to life boat

- loaded life boats

- smoke, flames, heat

- got some of injured

- drove forward to Bankston

- aware of people (2) that were in water

- 5 possibly that jumped into water

- knows nothing about 1st hand of the BP's shut in

- could see flames

* Tactics meeting 1:00

5/4/2010

6:30 & 4:30

4:30 Executive meeting

① Coffredam procedure installation w/ Q 4000
just about ready for submit

② Issues up to go back injection - Pumping @ 9/11 gpm
Pod approval
- VOC's on the vessels "High" coming from hydrocarbons
on surface
- Subsea pumping

* do not want to kill subsea
displacement to cut choke/kill line

③ HARRY BOP locked slip on tool, cut & dressed, clamps I/W
Mike Preppis POD for puller
BIRD 6 12 hrs pod pulled, expect to have VBR shut
w/ in 12 hrs

Dave
Trosbet
"The Blue"

What valve ?? - mini BOP stuck on exposed drill pipe
is min back

④ Subsea collection

Richard
Lynch

- welding complete on C/D, Risings & Paintings CHIPSITY
- load out in early morning hours
- tomorrow → Forecast -
- Set winds is 4' seas
- installation sea state is 4'
- procedure for installation & load out for
C/D → Approval for 6:00 a.m.

Tanker → in marine - to go to location for offload

* RUP issue

TROQUET

REQUIRES - NO PRESSURE OR STACK

Swing Valve -

- test valves over next few hours
- Pressure transducer installation
- mud boost line

Junk Shot / Top Kill

Russell

- yellow pod - pull not done advisable
- Pumping options
- Surface Loop - Applicable
- Can you get the junk to join the column
- What cocktail - old TUBES
- Apperture sizes
- limited to two shots w/ junk

Relief hole well TROQUET

6805 - 28" hole -

will be re-submitting - ADD for modified casing
up to 14"

24 X 14 X 40

* calls to unified command EVERY hour [★]

* Water Discharge approx 1 from EPA *

* Through put volume on Enterprise *

1-866-917-5665

5/5/2010

Hive \Rightarrow middle VBR is closed
DP \Rightarrow valve is installed - Flow stopped

Executive Meeting 6:30 a.m.

① Subsea Dispersant

Last 12 hrs \rightarrow injected until 11:00 pm

need some type of approval "told to shut in"

NOAA is supportive, EPA is upset: EPA left the

building \Rightarrow saw red oil which means is that

the dispersant is working. Dispersed oil is coming

to the surface, some new black oil is there

They will not a problem w/ quantity of Dis

② BOP \Rightarrow on pipe
valve is locked and tested = 7500 psi =

VBR \Rightarrow Activated - indication is they were

already shut - not sure if driller

hit the button

★

Lined up to cut pod lines for pod retrieval

started to cut the c & k lines @ coffin Dam
area

③ Subsea Collection

- Either on Boat or preparing to put on Boat
- ETA \Rightarrow Late night today

HAZOP by Friday for start up on Saturday

④ Junk Shot

- Project review, \rightarrow Prep review w/ academics
- Following yellow pod, will start prepping BOP stack
- for Junk shot - worries on strength of riser
- sometime next week or week after

~~⑤~~

~~⑥~~

⑤ Riser \Rightarrow has dropped about 500' from original location

- Risk of riser break is unlikely, may need to add buoyancy

⑥ Admiral Alton will be here at BP - Key hands in the room

⑦ Relief well - Full returns to surface

28" Cemented - WOC - drilling out today

Ed Ruth

Former captain of ENTAPPRIST

7:00 a.m. → Now to be @ 7:30 a.m.

Meeting w/ Deputy Sec. of Interior David Hayes

?? Second Cofferdam ↑ timing ↓

?? Boost Line Procedure

Tactics Meeting 1:00 pm

① Ops Houma

- chasing urgency of sightings

② Source Control

Houston - choke line cut complete

- yellow pod R & R E/W

③ Ops Brief

Houston - MCD - setting, some parking
of tooling

- MCD is on the way - early AM

- subsea injection injection
still on hold

Houma - Re-deploying assets from
Chandler

- Skimmer

- air ops dispenser

- W314 - BWR - AS logs w/ weather

④ VOC monitoring - nothing over 50 ppm

⑤ BOP intervention

Drill pipe

~~DP~~ capping - monitoring on sol-s

Top of stack

YP - Removal - prep I/W which includes prep of C&K lines

MPP - complete

⑥ Relief well - cementing 28" casing prior to drilling ahead

⑦ Ristr intervention

Prep work and testing

⑧ LMRP removal - Plan on sol-s

⑨ C&K Tie in "Top Kill" - preparing I/W

Set beacons for 0-4000

⑩ Subsea Containment - MCD will be on location late tonight and procedures will start on Friday

⑪ Plume modeling - on going

⑫ Dispersant → suspended

⑬ Ristr position monitoring utilizing Iron Horse

⑭ What about pressure on pressure monitoring @ source?

5/5/2010

HAZID - Initiation of Flow to MCD

Separate
HAZOP

Hot water boilers / heaters TO the Enterprise to be installed
Located where ??? → MMS/USCG Pre-start up

• Hydrations w/ gas - Running LMRP to close

Annulars while over plumb - LMRP closed & water flow
with check valves

• MMS needs to have similar strategy to ensure
direction of riser movement to MCD
does not have obstructions

600' SW of plumb is where TDP that will
be located → Riser will be run on the
SW side as well?

• MMS should ensure that very little weight
is placed onto top of cofferdam? How much weight
would damage cofferdam. Bumper subs w/ 12' brewh

• What are the sea state operational limits??

at no time accept the risk damage if the system flows well

Mike Cleary

{ Loupe Tortilla Hwy 6 }

• AIR Monitoring for VOC's should be described
in the procedure - Drive off Location direction

• Dropped objects Enterprise plan - Safe lifting from
proper side of vessel

• Enough space w/ flow head to pull drill pipe up
to move off of location?

• MCD Installation LAR signed, JSCG H&HS

have initial procedure → TIME FRAME
DIST. GWT ⇒ official version needed

★ boost line pressure ⇒ official version needed

→ Test pressure change

} Priority

✓ ★ Protocol for Retrofit of Yellow Pod ^{custody} Transfer

★ Safe Chart Fins

5/5/2010

4:30 pm Executive meeting

①
RICHARD

- miscommunication
to EPA / BP Nov

- BP to
deliver on commitments

- samples still w/ EPA
- protocol w/ custody

- DOJ - issue w/ sample
custody - BP did
not come from
EPA

Subsea dispersant

- still shut down

- looking for sampling bottles

- there is a custody transfer issue

- will stay on sea floor until

official transfer can occur

Been down since 10 pm

- ROV Log - ROV - Intergovernmental

② BOP -

Cut lines in preparation for pod release

it popped up & appears to be ready for

removal - connections cut

- discussing barriers / closing lines

- waiting to hook up crane

- maybe next 4 hours

③ Subsea Collection

2nd collection - ready w/in 3 days

- ETD - 6pm departure

6 AM on location

- ~~wait to~~ 4 1/2 hours to bottom

- on Bottom lunch time tomorrow 5/6/2010

- Div on return w/ 4000

* Possible termination of subsea dispersant
so ROV's can support this operation

* Several HAZOPS to complete - i.e.
of course a procedure for start up

RICHARD

- ④ Engineering - Pressure studies difficult
- Flow at BOP seem a little stronger - 22 PhD'S accepted
- Flow at riser has changed, very gassy, rate may have fallen | surging

2nd Funnel ?? Why - b/c if the riser still continues to fall off they would go to the well head w/ this funnel

will do another survey of riser falling

If riser bridges off, it is likely the kink @ well head will fail

If Cofferdam, @ riser gets too much gas, top could blow off

- ⑤ Junk shot - pear assist - tomorrow
- concern that choke (kill) lines for Junk shot may have hydraulic or LCM blockage

⑥ Bellnet - Drilling SIMOPS Plans being worked
+ Rippers in hole w/ 26" drilling ahead to 22" casing point @ B300

Drilling - 3 days - until unlock
APP should be in tomorrow spot date still 4/10

⑦ VOC levels — nothing today over 50ppm

— need a plan of action for
all vessels

— need plan for DDII, DDIII, & Enterprise
as far as being latched up w/ BOP stack

— AIR Intakes will suck it up | ϵ monitors
will be in place

⑧ Occupational Health

— some issues w/ personnel health

— guidelines — work schedules

work no more than 14 days 12 hr

shift Incident Command structure

what is healthy & what is practical

= medically trained individuals >>>

LIZ → BIRNBACH
cell # [REDACTED]

Secretary advance team, WILLIAM LEWIS ASST SECY & LEAD
ENVIROMENTS

- Discovery he is intense & gustatory

DOJ - 7:00 am is called off tomorrow →

5-6-2010
Richard - Cofferdam

Mark Patterson - TOP KILL
Harry Thorne - BOP
James

6:30 a.m. Executive Meeting

① Subsea Dispersement

- still shut down
- Hanna - plan to re-inject had be denied
- Dave Rainey - work w/ EPA, & will discuss with VSCG to resolve the issues
- EPA issue is that have to have the right sample protocol - will mention to SALAZAR
- NOAA supports - BP supports

John Hustler
Mike Bird

② BOP - manual check on C & K valves are closed

- positively apply pressure
to the valves on C & K
lines

all valves ~~will be~~ have been verified
to be in right position

- 4 days on the pod

- 2 frim ROV'S are down for maintent
- yellow pod is on dock

- procedure - FOR PREP
will be submitted to MMS

- 4 EXOS on the Cofferdam
next 12 hours support Cofferdam - support acoustic arrays

③ Subsea collection

Procedure

← MCD & Bouts on location

← Prepares to do Q procedure

- Next 12 - placing MCD in place

- Next 12 - getting procedure today

← MCD should be ground machine

@ 2:00 pm →

Dan still 12
start up procedure

← definitely going to be a gap between
setting MCD & hooking up process

- Running the gear will probably
run through midday Sunday

Richard
for 2 pre-stage
of funnel #2

Funnel on ENTERPRIS & Matt Dawn for
lay down

subsea disconnection on MCD

* Still need Flange approval

* Still need Procedure for running riser & Process Plant

Gordon

④ Engineering

- Clamps designed & built for support
for top kill

full
- Blockages a less of a concern d/s
of the kink

- If junk comes through BOP & comes to kink
then it would fail w/out this clamp
- choke neck will provide some stability

MARK Patterson VP Drilling & Completions
North America

" Coast Guard Head Quarters - Atmipal - National
Response - "

⑤ Junk Shot

12:00

- Peter assist today - 20 Report - 20 Acqpt
- Procedures for line today by noon
- Napska, head of USGS to be exposed to this
- Schedule - no change

⑥

Get Depth 7086'

New casing point

8600 US

DP III Drilling 26" hole, continue drilling 8800 EP >

DP II Max 14th - ADD - today

⑦ Sinking Riser - has fallen 400' - Touch down point

has not increased, not worried about pressure
change - falling toward North - slown
not affect MCD installation

⑧ NON SOURCE

- oil is a-slope on Chandler Island
- continued production activity
- build a sustain operation
- 4 to 6 weeks oil coming ashore after source control

DIRK _____ PAUL SULLIVAN - Pat O'Brien
Drilling

866-816-0320
PIN [REDACTED] #



866-916-5636
[REDACTED] #

① 7:30 Salazar meeting

• Junk kill is critical to

866-820 5753
[REDACTED] L

CHRIS MARTIN ⇒ Cell ⇒
USCG

PTR Assist → 11:00 where?
Have Russell coordinate

Russell Hashman

Tim Powers cell

Stanger



Cannot start microsoft office outlook
Unable to open the outlook window
The set of folders could not be opened

Dirk Smit

1:00 Tactics Meeting

IC/UC comments - comendant Allen - insitu burn
on going

SC - cofferdam is in fire, splash late
Q - 4000 barrels being set

→ Oil spill look to be going to the south / east
offshore

2:00 p.m Secretary Salazar

martha USGA

ass

Wilma Lewis → sect Land & minerals

① BP - has introduced multi discipline team
GOV / Ed / industry / service providers.

② Junk shot - issues / - risks → pier review

③ Dispersant injection at sea floor
Skandi Neptune - shut down due to API

④ Flow Containment - splash water this afternoon

BOP

Test Run labeled as VBR
on the stab plate sub seq
"BP" → labeled wrong
Plumbing problem

Once Pod is installed you can take a
pressure ~~related~~ reading which ~~can~~ can help
decide to do junk or Remove the
LMRP

Test Jig is built @ stress engineering
Sec may want to go to stress engineering

Secretary concerned about time to get 2nd R/S
42e 2 relief wells enough - m

① BP-Answer

Mr John Shrimp Boat 1745 // SS

Meeting w/ Secretary Sullivan
w/ other Federalists

→ CCC & MIT
Marsha = USGS ↔
"Smartest person on earth"

- Issue of National Significance
- Imagery → Navy & DOD Gates
- Chew → Labs →

William Lewis
Assistant Secretary of
Land and Minerals
Attorney for Trade
IG for DOI
VS Attorney

Secretary wanted to know imagery capabilities
regarding to determine flow

Bob Ballard

microbial effect, weapons labs participations
so that it can be determined how their technologies
can be brought to forefront

- ① Placement of MCD - Monday or Tuesday
- ② Junk shot - Testix May 20th
- ③ Refuel wells

Richard Morrison

Seal Tight

EXECUTIVE

5/7/2010

Meeting

Subsea Injection Dispersant

- ① EPA has approved once MCD is in place
- monitoring has to be ~~app~~ approved EPA & NOAA
 - smart Boat

② BOP

- supported MCD Approval
- Raising up Isolation Valve
- POD - Looks
- POD - Electronics passed diagnostics
- close isolation valves

③ Subsea collection

Spliced 10:30

300' above leak source

Buoys being placed to properly place Enterprise being staged to safe zone

Brighthead Support Q 4000

Dan Stoltz - crew Brief

④ Engineering

- Riser is now touching the horizon
- Calculations - indicate point loads
- Soils help you - buoyancy is not collapsing
- Beacon was installed,

- Clamp for Kink dosish has been selected

Not ready to manufacture - 2 days worth of design review

1 week to manufacture - off critical path of Junk slot

⑤ Junk shot - Pier shot

- overall findings - No material gaps

- Continue to rig up kit

to allow for pumping in

* only do this if you have to

- Need to worry about failing 18" ^{burst disc} ~~shoe~~

~~compromising~~ ? compromising relief wells

- COULD fail clamp

* wait until you get through

⑥ Relief well

DOI 88751 \Rightarrow RUNNING casing - 1 week worth of BOP testing
next 12 hours

DOI 2 days

⑦ VOC's - policy directions - charcoal filtration

⑧ SIMOPS -

⑨ BURNING - very small today - one burn = 2 hrs

- met w/ Pacer presidents - Tremadors passion

① % Clarity of Hydrocarbon to be captured
by cofferdam →
Relative → % of flow

② Damage → to the RI

11:40 AM Hive operations

4:30 Executive Meeting

① Subsea dispersment →

- Running some rabbits on first 3
- Will be capable of injection in the top & side, however the preference is the top

- EPA procedure & Sampling procedure

Terms & conditions
of contract

- Nalco is trying the TCC - worst contractors
- Several other products, getting resistance w/ person handling this in Hovms

→ Nalco cannot deliver product to BP's

- EPA Approved List, however - Hovms is not receptor

② BOP - everything shut down for cofferdam support

- POB Hydraulics checks in/work

- rigging up for Isolation Valve work overnight

- make a run at the pressures ??? ①

• Diagnostics

③ SS collection

- Dome is 10' above sea bed

- some time today

- however they had a ROV run above

- moving off slightly to re-position for another try

- ENTERPRISE IN STAGING GRPS

- BOP tested

- design a roman bridge for BOP stack

- IT has not touched down and does not know how soft seabed

- can tell how much oil is IN the water

- worried about marker buoy's going inside cofferdam

- Boost Line Valve procedure approved

⑤ - JUNK shot - next step -

- cutting procedure will be on MCD install to complete

Saturday - group @ stores ensnaring - slide slow, - saw video of a junk shot - then departure

⑥ -

4450 - trippers w/ 22"

7 days

• testing BOP on stub

• testing that stabs, testing dead man at depth
sequence #

- some require

- some extra per thousand

DOOS

⑦

2 congressional delegations w/ media

DOD

⑧

Good day w/

1 million feet of boom

1 million feed more ordered

1000 fishing vessels

8000 workers, 4000 volunteers

1/2 US military standing around

Saw an apache gunship

⑨

AIR monitoring plan out

5/8/2010 6:30 a.m.

①

Subsea Dispense

- NO update still no word
- protocol to pit flow into Cofferdam no movement
- The "test #3" - take a break & go to bed
- protocols complete & procedures complete & they are not tied together
- Want to gather data on effectiveness & toxicity
- Must have protocols - Need "NOAA" ship on board
- no discussion about continuous injection
- total injected 16,000 gallons -
- this is being led by hand of EPA

② BOP -

~~Pressure~~

"Swing Valve"

3750

- Boost line integral plus - to set a pressure reading
- trace code
- prep for choke & kill
- PODS - Hydraulics worked good - FAT "working"
- think POD will be function tested on surface
- should be able to say POD is good tonight
- using BOP integrals is dead - Need pressure data
- got pressure readings from BOP - @ Base below UBR
- TRX has new life - drift in phase - going to try mud boost line "Mud Boost Line" hopefully by midnight

Pressure
Sensors
ultrasounds
not ready
maybe tomorrow

- Trace code - for what is in the kink, as well the rails
- "Gamma Ray" looks at the density
- Also thinking about ultrasounds to measure

③ Subsea collections

① Q-4000 has MCP 200 m of pipe
on bottom symmetric tongs on Hook
Rig Enterprise in a safe zone

② dings 113 MT \rightarrow 58 MT
weight
of hookload

only thing holding it down was the weight

solid ice all over the place - ice on refracton

Wall \Rightarrow ability to manage hydrate in water column

is near impossible \rightarrow have to get to oil before

you hit the water column \Rightarrow

Today's \Rightarrow Hydrate are substantial at low pressure

however they would not work at higher

pressure - need to figure out - wild well

guys are working concepts \rightarrow

OVERCOMING S

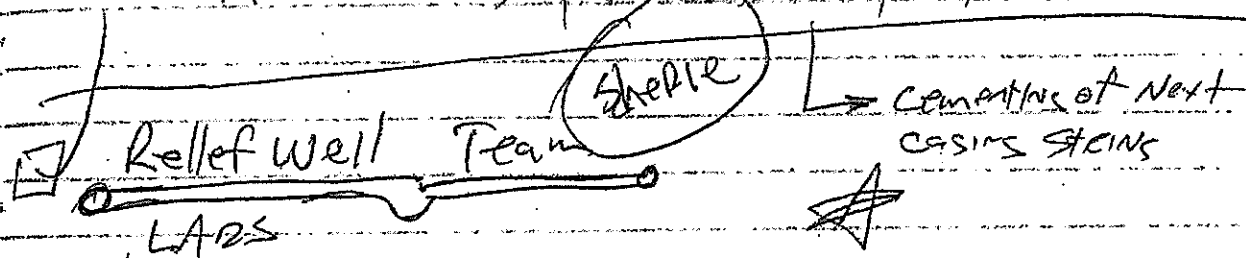
④ Relief well 22" Run \Rightarrow cementing

Going BOP testing - for splash
down late next week.

SI

Dave's Character

- NO under-recovery, → NO additional tools - Less influx → slow mod similar to sand mode
- sand 100-150' below us
- treat sand as if it is pressurized
- expecting 11.4 free gradient above LOT
- sand slough here ~ 10.1 → do backoff test
- desire weight to 10.5 after LOT
- drill w/ surge 30' per hour
- pump pressure changes, gauge 5' lat, finger



★ Presentation TO SALAZAR Regarding Cofferdam failure & L12

★ Schedule for TROY

✓ Carlos / Christy 2:00 pm

✓ Christy Scan Time Sheets

5/8/10

4:30 Executive meeting

① Subsea Dispersement

- Protocols I/W ~~E~~ Gov Jindal opposed w/ Toxicity

- Pumping to start from

10pm → 2:00 am

certain # of gals

then shut off → for NOAA

Boats will take sample

during daylight

Goes to try to set up for tonight w/ Skandi Neptune

② BOP - ~~supper~~ Pod should be ready by 6:00 pm tonight

- Boost line pressure and expect to have pressure by 6:00 am tomorrow

- Thacker co work to be completed - "Gamma Ray"

- Jack shot ~~procedure~~ preparation

- Isolation procedure

- Demolition

- Get line pressure data and analyzed by Sunday

③ Subsea collection

- Enterprise - safe zone

- BOP TEST

- ~~Flowback~~

- wet store containment dome that is filled w/ hydrate

① - use a snail top dot directly off drill pipe on back in riser

- EPA says that any thought of using methanol is off

would have to be approved by EPA

② → Hot Tap Riser →

③ - Hot stab into the ~~riser~~ Boost Line & set up a flow back

④ Engineering

- Pressure data is reliable

below the VBR

3800 psi

fluctuates up to 4000

- Need to have conversation as to what it means if pressure is lower or higher what to do

⑤ Relief well



22" cemented



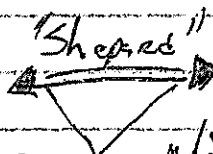
ROP



Testing

Reverse back

⑥ USCG is asking for 4 hour updates



LARS OFF

MIRE ON

Jave

NICK

- Flowback through Riser / Drill pipe →
- Riser clearing procedure

← - 'weekend - →

May 9th, 2010

① Subsec. Dispersant

- ~~the~~ Prot 3, Gov. Sindt /
State Senator, state of
LA wants to know more about
toxicity - STATE HAS A VOICE
USCG, has 51% of vote → All the
oil heading ~~toward~~ toward state of
Louisiana, ~~they~~ They may need to
do surface dispersants around
boats to control VOC's

② BOP's

- ~~to~~ diagnostics complete, READY
- will stay in line w/ ~~date~~ shut
- should have core
- CK & Isolation
- JS manifold surface complete
- Boost intervention went slow last
night → cap is on, by midnight
tonight -
- debris gen.
- isolation, valve survey
-

② Subsea collection

- Q-4000 is at a safe location - 25-
- ~~ATAP~~ the Enterprise is in safe zone
- BOP Test complete
- Production Eg up hooked up
- Hot Water Bailers complete
- Hot tapping schedule

Top Hat, schedule

- Modified by tomorrow
- Run the riser
- Run the drill pipe, pickup
- Top hat to be pre-staged
- make sure visic is not critical
- Requires maximum 2 injection
- Max 12th

Andy ☒

Engineering

Must consider
SITP

- Pressure data - Below stack
- Pressure data is flowing data
- Design for clamp & work
- TRACER-80 has been started
- no data collected as of yet

Gamma Ray - what is at top of ~~the~~ tank
- ~~verify~~ if gamma ray

Sunk-shot

- no components
MISSING

- Refinix procedures
- has mud - will start mixing
- testing cements I/w
- physical deployment of kits will start soon - need to build out kits



① STUMP testing →

→ Casing shoes →

→ Testing Down at depths

PAT, Sun

5/9/10

BOP DATA SAFETY Discussion

Required

Normal

Safety
Alert

EXTRE
BP

TRANS OPEN TO SUPPLY P&ID'S OF THE BOP STACK
W/ INSTRUMENTATION

① Methanol → MMS discharge for top hat

↳ volume of
top hat

MMS ENVIRONMENTAL TO FACILITATE

→ Riser clearing goes up to unhooking

→ What about next step values

II Soluble in
water will
the surface
process plan
for collection

Test W/ for hydrates

~~IS~~ IS heater ready?

TRECNET / SHAWWESSE DD111

5:00 Executive Meeting May 9th 2010

New Incident Commander

Name: Hohle

USCG here is getting
Schedule

Brannon
Shoemaker

Andy says he
has a SAHAR
call at 8:00 so
that BP Houston met
USCG signed out of

① BOP

- Boost Line - Final testing of Plus - get Pressure data by midnight - get valve data
- tracer co - will be finished in 3 hours
- Isolation valve work to start tonight
- manifold for kill shot to be put on sea floor soon

② Subsea Dispersement

- Everybody on Board except state
- state Rpt on way to BR to talk w/ Jindus
- Still on the 10:00pm & 2:00am for monitoring & sampling during day time - Skandi ready to do dispersement - Skandi still monitoring plan 1

• Admiral is getting override Authority

• All surface monitoring → Need check on Boat availability

Methanol → Produced water - can meet the overboard requirements - will submit

Procedures will be submitted tonight

Does Admiral Lavett have veto Authority

Richard

③ Subsea collection

Enterprise is run survey grids (com puts) 3 hrs

- Permit to Run Riser =

- Q-4000 wet stored the Cofferdam
Crane will not be available

- Current time should be run early wgt

Not Tap - Pushed out to next Monday

to go live, will need methanol -
with this vessel

Q-4000 vs Enterprise near vicinity
ISSUES

④ Engineering

- still working clamp

Ready to land out on 15th/16th - will try

to pull forward schedule

Hub is starting now - schedule includes a

fit test and make it subsea installable

Simple design, Bolted design, will have
parts to take up shop

H

{ All
Hugot }

Cell \Rightarrow

⑤

* Work space in and around the BOP stack is an issue with all operations



Trace - CO Survey - Data analysis - I/W. happens offshore
the work

early results indicate there is something in the
kink

should be done tonight

⑤

TOP Kill - optimize schedule

- Review of junk shot

- Picked mud

- Decided on junk slot

- Cement still up in the

Will build
2nd manifold
for

Interaction w/ Relief well

⑤

Relief well - Hot Stab BOP test

- CASING SHOWER RUN 5 \rightarrow this 14" in bars
checked - worried the piston ram can
show the 14" casing

\rightarrow BOP check list GO/NO, Permit to
go to work

15th or 16th would be when you drill out

2 to 8 days between P-10 - P5

18 ~~manifold~~ hole section drilled by 23 R6

- drill the 18 like it is a salt exit

- Bring well back to previous shoe

Monday May 10th 2010

Executive Meeting

6:30 am

① Subsea Dispersement

- 4:30 am → 6:00 am
- High VOC's on brct
- waiting on VOC's to clear, got fire Boats 7/10p
- 10 pm → 24 hrs = Test
- signed @ 12:30 am
- most shut down after 24 hrs
- will be a sampling done - waiting on equipment
- Admiral Landry is pushing hard

② BOP - ^{survivor} Finished Survey for manifold w/ be installed today =

- Rigged up for cofferdocking
- Boost Line plus is tested, ROV tooling is problem to open the line - new system is failed close
- isolation valve worked is still I/W ⇒ clamps for ISO
- choke & Kill Demolition is ready to be done
- Time line on pressure 2 - 6 hrs
- Acoustic sensor is installed - communicators but not getting data, is below test runs

③ Subsea Collection

- Enterprise on Loc @ 3:00 am
- off due to high voc 7:00
- Shooting Com puts - need good weather
- Top hat is at dock in Fouaou
- will be set on midnet
- Riser Not Run
- A lot of Equipment in one small site
- SIMOPS is big issue
- Booms in Area, Shooting Dispersement from boats

④ ENGINEERING

- Riser clamp - push forward
- Thruco Survey → think
- No ~~Riser~~ pipe in Riser kink
- Further down line then think the found the drill pipe
- Rams locks are engaged, all appear that the positions have traveled
+ were full length - Gamma ray survey proposed. C-source "X-ray"

866-782-2983

⑤ Top Kill

- Manifold Running procedure

Submitter

- Not a decision for Relief well vs Junk shot

- Before the shoot, you need pressure test

- Do you want to wait on 18"

Drilling Drill

⑥

- BOP unlock

} Several BOP components

DPII → Start pulling stack

2-3 days

⑦

- New Map

- Photographs - of oil on shore → 3 places
on shore

Jeff Hohlte
mobile

SALAZAR 7:30 a.m. →

- ① Competing w/ SIMOPS + Marsha Closest
+ Andy Engles
+

Vintage ⇒ of BOP STACK

Sonar - 3B Blue Vne

Over Lst
FROM Gamma

Traditional Sonar - not Good - will try again

TRACER CO - Gamma CO absorption technique

emits source absorbed by measure and then

look at back scatter = Fork against APPY

were going to do ultrasound ~~was~~ but put on hold for
continue to go for TRACER CO

Question is whether pipe is V/S of kink

- Acoustic Survey - indicates that there may
be a choke point V/S of
the kink, however they want
to use Gamma SKEN

*slide show - TRACER CO
3 D Model - FEA Analysis

4:30 Executive Meeting

① Incident Accident Plan

24 hour → discusses all priorities

② Subsea Dispersement

- S110 g45 since started
- Started back @ 845 g~
- Started at 4:30 g~
- will stop @ 4:30 g~
- All the statistics are excited ⇒ color of plume is good - particles are smaller
- When we stop it's probably be at least 24 hours
- monitoring is being done - will be complete by 12:00 noon tomorrow
- BP responsible for collecting samples
- Dr. McDuff mentioned that there are slides that can sample data

③ BOP -

Isolation valves closed

Boost valve pressures still being worked

on in about 1 hour the row will be back

on - Night shift

Manifold Lunched about 1500' down
manifold is p

- Next Choke kill lines after pressure
- Will start Demolition
- Working on placing Coflexes for JUK shot - cut, connect, goose neck, X-Ray

More Gamma
out work
to DO

④ Slurry collection -

- 3 miles east
- Hydraulic SKIRT →
- Running riser soon
- CompuTS
- feel sand about running riser

• Hot Tap option - still being worked

• skinnable tube option

• Need

⑤ Engineering

- Camp preparations
- tracer-60 - complete
- choke & kill lines
- acoustics have been placed

⑥ Procedure for coffer install is coming one way

- Inspect several vessels

- ~~MARK~~ BOP on - Fluted riser joint on Enterprise
↳ LMRP -

Get out of the motion
Panel in Engineering

EQUIPMENT IS
READY FOR LMRP

- ① Ratter well
- still testing BOP's

DP II - UN/attached BOP's \Rightarrow Pulling D/S on
could be used for BOP's LMRP/Smiling value

- ② From IC
VOC Endings may be faulty
-

Hand Over Meeting

- ① safety - NO safety issues - have had a stress incident
 - ② Signs are posted for medical issues
 - ③ Objectives
 - ④ 7:30 on 5/10
 - ⑤ DP II slump testing
 - ⑥
-

6:30 Executive Meeting 5/11/2010

① Subsea Dispersment

- ① stopped @ 4:30 am - displaced to seawater
 - need to replace coil
 - Will not be able to restart until
 - Samples did not make it to shore
 - Massive Results!
- Midnight Wednesday - Re-access Coil
 - will coil fail

? Where would coil fail?
Safety to Personnel

- Warden

- Gulper A&B - McNeill =

② BOP

- Junk shot man Comp
 - Riser Top Hat Super Comp
 - 1 CG-P MBL Comp
 - mob boost Line I/W
 - Bite Chain f
 - Coflex Lines I/W
 - Trucon CO Rndy
 - Bluevue sonar
- Boost Valve Pressure
3-6 hours
may have to set pressure w/ POP

③ Subsea collection

- RISER RUN
 - TOP hat being positioned
 - RISER inspection tool - snake
 - Hot tap survey
- New Thursday
Leads candidate

④ Engineers

- Pressure 10 - check & kill line
- Ambitious later want to re-run
- measure absolute density U/S active
- Valves for first joint - being assembled
- should be ready - they will use the DDT if this is an option
- which options give us the best opportunity

⑤ Top kill = 2nd coffer, to foundation
= Q - Load out kit for repair of POP

⑥ Drilling => BOP Test 50% complete

Testins
Deadman
@ Depth

cannot up grade casing shoe
look at casing &
stop test today
splash tomorrow BOP
drilling by Saturday

DDT
+
BEOW
SITE
GROUP
Friday
Ready

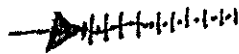
~~7~~ ⑦ Weather \Rightarrow may not be as favorable

Com "Allen" Mertins 5/11/2010

Allen Command - has Top Hat Procedure - ~~Sam~~ (+)
- sampling analysis

★ 50,000 gallons surface
VS
11,000 \rightarrow subsea

Secretary



Secretary check

David Heyes, Secretary Salazar

① WFL into well

② Well Control
Keeping it below
+ some other
rough wells

③ BOP ACTS

A W PROBABLY

- Go back to DC control
- Go back what recommend more safe

OUR PROTECTION
NOW TESTING

- needs to show we anticipate it w/ our now plan

① Dispersement - pictures visually striking Fed is on top *
GOU - LOUISIANA - SCIENTIST

② Enterprise is on location Scientist withdraw his concern EPA - Jackson
Rising 48 hrs process Top hat \rightarrow vs top hat
options late night -us- Need good news =

③ Pressure Control Equipment

- demolition of choke & kill

- Diagnostics - work, or intervention

Not sitting on hands - Diagnostics Important

- Pressure

- Gamma Ray

- X-Ray - equipment CO Roberts

- Verify pressure data

BP has
OWN
Investigation

President is
saying he does
not

NOAA
says top balls
on deep water
are from
explosion

Test w/
machine

Internal decisions to DOI will be announced today by
30 days for April 28th \rightarrow Internal DOI \Rightarrow shore rigs, rubber seals

Pipe Joints, VARCO, existing all projects use 2000 models of BOP's
Not enough models \Rightarrow Varco & Cameron cannot produce
Repression in Houston
LOGIC sequences

5/11/2010

Lans -

Procedures -

Decision Tree

Boost Line Pressure

There is a decision point

vs

LMRP

Swing

Junk

Relief Well

Paul Tooms "Holstein"

James - Decision Tree

4000 @ Top → 16-31 % increase

3000 @ Top → 6-12 %

LANS LT

Confidence @ Base of stack $\pm 2\%$ of full scale

20,000 lb of X-driver ± 400 psi

All indication is that X-driver is good

could it have been damaged

Pressure is higher @ top would give you less confidence

Locks are engaged in all of pipe run

* Upper pipe ram never actuated, never closed however it is closed

Pressures will be Boost Line as well as choke & Kill

LMRP →

Swing →

~~WASTE~~ → STACK ON STACK

Drill Pipe in
LMRP ??

5/11/2010

Secretary Salazar Press Conference

12:00 noon

- National Academy of Engineering
 - Root Causes

- Jan 2009
⇐ ⇓

- Ethics - for MMS
- Royalty in kind
- Renewable Energy
- IG - Recommendation
- 5 proposed lease sales
- Areas protected
- Science process

* - Additional Reforms

- Safety ~~?~~
- 29 MM
- Conduct engineering
- Increase exploration plans

May 28th

Review exploration plans >

30-90 days & more

4:30 Executive meeting

① Subsea Dispersement Injection

- CT on bottom
- Batter Wand to be used
- Samples on wax in - no sign of Plume
- Scientist excited
- at high levels of Gost excited
- ?? Oxygen ?? Baseline oxygen no change
- 6:00 meeting, findings from the boat
- no idea how long -
- USCG - choppers did not happen

② BOP -

- Little or no progress 3 subs down at once
- Boost line P - one clamp left
- BDA - to risk up for running coffer
- JUNK shot support
- Graham needs a measurement
- trace-co → survey

③

- Subsea collection - Riser Run to 2100, methane
- Close to the pump - Enterprise
- Riser insertion tool - to be on bottom tomorrow - Hot shot
- could possible do subsea dispersment at same time

④ Eng

- Clamp/Kink production
- Review top valve / options
- what diagnostics have been done clamps
- X-ray, photos midweek / midweek

5-11-2010

Top Kill

more
provides tomorrow

- clarifies pump capacity 100% extra
- pumping capacity
- Q-4000 - Backup cementing
- Need to work SIMOPS -

Relief Wells \Rightarrow

DPH

- BOP Test -
- not verified by Transocean (B) Approved
- work by ABS Certification
- control systems mods \Rightarrow have been done, have been ABS verified software
- Letter by Transocean stating

DPH

Next ris should be on location by Thursday night

5-12-10

6:30 AM

Executive Meeting

DOE-BOP's

Attended by: Secretary Salazar

Secretary Chew DOE

① Dispersement -

4 scientist

1 Geomologist

- no injection overnight

- coil ready

- Scripts took long time used made a mess

- Custody

② BOP - Boost Line Pressure obtained

- Choke & Kill Removal F/W one out

- Bar assisting w/ choke & kill ws

- Tracer co.

- Riser survey

- X-Ray to be done 4-8 hours

③ Subsea Coll

Enterprise safe zone 4280' Riser Run

- Drill pipe to be run

- Zaps/s

- Top now on surface

- RITT

- Tomorrow morning - no VOC issues

- Need choke & kill lines out of

④ Engineering -

Got pressure 2650 pressure

- either across the runs or drill pipe stringer

- will do some imaging to fix on figure out

- working Review of how on top of BOP or
value off top of LMRP

Top Kill =

- Leaking Equipment
- procedure of ~~MAP~~ Yellow Pod
- Friday Saturday to

Relief well - Pressure Test Complete

- Function Test - had one failure /ser, repaired
- Deadman ~~procedure~~ procedure
- DOI - IN route

Allen & Lowery want to visit a drilling rig

Shrew ~~area~~ in cocodrie = State of LA Hillcorp
Hill corp

No collection activities, yesterday

Alabama wants boom

Bubble point 6000 psi

4:30 PM Executive Meeting 5/12/2010

① Subsea Dispersment

- Samples arrived at fourchona "French Force"
- No Methanol Approval at this time "Little man on mars"
- Fire monitor use of dispersment
- ~~3~~ 3 NIPPON platforms unmanned due to VAPORS - "Vomiting"
- Boat to be towed around

② BOP - choke line is cut, swings open

- cutting on kill side
- Riser trap
- thrower co.
- "S Kandi"
- Choke/Kill
- Gamma Ray plate - X-Ray - BOP locks
- monitor crater p/ny
- Bon to 145 ft. 150'

③ Sub

8200 feet off
Riser Levee / Drill pipe
RITT - Gauge ~~down~~
Early Tomorrow Morning

METHANOL

④ Engineers

- Modeling I/W
- starting on Top Value Option Review
- Investigate Magnetic Patch - use strong magnets ON - use magnets in salvage

TOP Kill

- POD installation procedure
- Kill weight Fluid I/W
- Lat
- Kill procedure

Beilert well

Function - BOP Spool Test +
Test complete

1 hour
anchored
to sea floor
Person
Risk assessment

Never Been
Done!

Dead Man Test - procedure w/ TD
1 hour test where you are not able
to disconnect from sea floor

DDIT is in Route

- offshore ⇒ suite of tools skimming fleet back offshore
⇒ Allot of Bean I/O
→ cleanup ⇒ I/W
⇒ UNIVERSITY LABS rough to use will use

5/13/2010

• Subsea Dispersement

- NO Progress
- All Gov't Agencies, ^{Approved} except Gov of Louisiana
- LSU Professors -
- Sampling may not require
- Bont
- Dispersant Near bonts, Approvals
- Fire monitors
- 4007 Procedure - Requires signature from Admiral Landry

• BOP

- C&K demolition complete - caps installed
- measure
- S.S. FB
- G.R. comp
- Plate survey I/W 3/5
- Dnege work around section
- Will run yellow pod from drill pot

Subsea collection

8200 feet off Location

- 4826 riser 4935 kink
- RITT is on back of position - ready to be deployed to bottom
- Gauge tool procedure
- Methanol was approved
- Gauge Run

Engineering

Tracer CO survey - increase in density choke line
uniform density in kill line

- clamp fit test today

stopping gas
well is struggling every 6 minutes = last for about 15 seconds

TOP Kill.

- mobilizing equipment

- 2 mud

- 450 coppers

- take a look at dynamic kill in line of
JUNK

Relief well -

- skidding stack

- Saturday - dead man / splash
?? dead man

- DDJ 5 miles off location

Disk
Analysis

• Area of spill grew over night \Rightarrow
got 20 miles closer to shore

7:00 AM AC update

- Subsea Dispersement - needs to clear w/ Sidal
- clear up public perception
- Vessels need clarity forz contrabands VOC'S { Needs work
- Burning conditions are not good
- Better AirOps

8:00 am Secretary Salazar, DAVID, Hayes

• Unawaked Shot

- ① Gov Jindal objected to Subsea Dispersement
- LSU professors have made 180°
 - Commandant - OK - Federal
 - BP - has a huge influence on Louisiana infrastructure
 - Every one feels they have a vote

- ② RITT has a fit up test
- VOC'S are high
 - Letting be prepared for the worst

③ JUNK shot

- ~~XXXXXX~~ c/k demolition complete
- build out continues
- work on yellow pod
- Run to the base of riser

Diagnosis → Shot 3 X-RAYS - area of
riser 1/6 of the KWK - need to go
to Los Alamos - TAKE pressure data so can
team - instead of JUNK

valves
top is not a
good option

Flap valves
may be
more material
Thrust/Pressure
containment

5-13-2010

① Subsea Dispersement Injection

X Admiral uses Authority "Talking EPA"

X 5:00 w/ talks w/ Staff & Academics

worried about fisheries, show us the data

applies the dispersant at all

They know the result during Rita, no change to shrimp, fish, or oysters

Admiral

Window is closing

■ Surface dispersement approval for fire boats

w/ fire monitors

② BOP's ⇒ ① completed riser survey

② Dredge - crater

③ RITT Frame lowered

④ cut choke and kill line - no crater

⑤ Finish dredging crater

⑥ Will work on Radiography & GRT Pressure Reader

⑦ Riser is pulsing up & down

AS soon as the Enterprise is set - can go back

to other optio

③ ENTERPRISE is moving to next location, drill pipe, moving frame

{ RITT → R In

④ Engineers

Preliminary
location
is there is pipe
in the up side of
kink, data is
electronic
planning on how
more

Theraco Survey - maybe some plugs
in the choke line - kill line looks much
better - have not found a negative signal

Review of BOP and BOP, Top Value is under way
going

pipe across the flex joint

Marsha ~~cell~~



3:00 Tactics & Planning

Safety — Two vessels — Vapor control

- Working in the trench ~~for~~ to close & cut
- DDT in safe zone
- DDT — BOP over water
- Enterprise — will move in pick up RITT
 { move in so Rex can do some work
 on the top side
- 18-24 hours — Before RITT

TOP kill

- Flow modeling - Feasibility of a momentum kill - makes slow progress

Relief well

⇒ Lock out BOP stack force, BOP ~~test~~ needed to be re-skidded

Admiral LeMay
⇒ The Admiral "Allen" was on the DDT 36" to be run on Saturday

VOC ⇒

- Nothing to Report
- mood is much better
- Respirators → symptoms Fittos
- talking about spraying ^{disinfectant} in moon pool

Unified command

- A lot of dead sea turtles
- TEDS ⇒ turtles are drowned
- oil on Beach south pass of Chand/Moz Island
- small dark balls on Dolphin Balls
- Kew asked this

Friday May 14th, 2010

6:30 AM Executive

① Subsea Dis

- Skandi on standby 700' away -
- Ready to start
- NRT - will make a call @ 9:00 over state concerns
- Govenor is hold up
- From approval - 2 to 3 hours - dis

② BOP:

- ^{works} A W Kit - wireless transmitter R PG
- RITT installed
- Dredge plume
- Enterprise on location @ 04:00
- Tested w Top Kill manifold
- ~~test~~
- Cut choke & Kill in center
- 200' hull to hull clearance from Enterprise
- Gamma Ray - inconclusive
- ReTest pressure
- Can't do, dredge, x-ray, pressure test at same time → enough dredge to do RITT

③ Subsea Collection

- ENT → over RITT
- Stand is broken
- First stab failed
- Pick tool up → RITT - initial run
- Production system ready
- Decisions
- Hot water is heating up

④ Engineering

- Tracer Co-survey - Load E side turn kill side
- X-Ray "Gamma Ray" - preliminary, may be pipe right hand /vs of kink
- Test - BOP on BOP - Review → No major slow stoppage provided you can unlock LMRP
 - Valve on top of LMRP → start pump
- Clamp on the Kink → Fit test today → should be loaded out today

⑤ Top Kill

- Loading mud on vessels
- modeling for momentum ^{kill to} container
- S. procedures to be heading our way

⑥ Relief well DD III

- loose fittings - Drip @ Blue por
- 1730 - splash & BOP's
- 1600 feet depth
- DMT Late Saturday or early Sunday

DD III ⇒ spudding on Sunday

⑦ NO VOC excursions last night Foam in moon pool for position

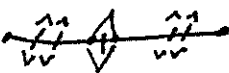
⑧ Robert - seas are high, however, most tools will be available Music # 15 4'

7:00 → meeting w/ ADR command

- discuss Boom, St. Pete mobile

8:00am - Meeting w/ Secretary Salazar, ^{Asst Secretary} David Hayes

Andy Instals

Bernard 

- Slow but progress
- Getting control of source
- Top Kill - primary option - series of technical reviews
 - Pump Kill vs Pump Jack
- ★ By middle of next week will have a decision

Dispersant → will be a discussion @ NRT - applies all info
various views in Jindal's Administration
★ Takeover at Federal Level

Containment

- success at surface
- everything RUV
- DIT → step in unsuccessful
- 6-12 hours

Salazar is Reading OIR's

Meet w/ Rusty Sawyer 5/18/2010

- ① Dismiss INC's on Frontrunner
- ② Rusty to talk to EH + RD on About piping fatigue
Will be corrected

5-23-2010

Executive Meeting 4:30 pm

- ① SSDI → Last 12 hours - Brooks McCall in field
→ No update → EPA → responsibility to
EPA → Data needs to be put into
form for web site "SIC Website"
database started in Houston → now ^{need} be con
- ② BOP - 013 - data coming Acoustic Transmission testing range
- Vining position - working
- Skandi - displacement & looking @ size
- BOA about to land the first jumper
- Now if top kill
- ③ SSC - RITT - 44/64 - ^{choke} 0 BSW - FTP 1748 / 109.8 °F
D/S chg 708 psi - Gas 2.5 MMSCF - 4/25 M/S/day
- New plates on separation tanks which will bring rate
to 7.5 MMSCF - "Back in sweet spot"
'ROT' - will be finished tonight → will be
- Camera shot shows of LMRP

④ ENS → After slotting tool → Engineers

Fabrication 10 days

→ diamond cut test for drill lift out of BOP
1 hour to perform cut

→ Slits on the riser for removal of

⑤ Top Kill — H/L connection on 450's I/W

→ So they can get three pressure tests

working on
- connection to offshore I/W

- Next 12, Jumps, tests, Acoustic

distribution of pressures need to be at these points

— D

⑥ Relief well

DDIII shoe @ 29,842 ≈ losing a little fluid → pumps
Job early tomorrow

DDII — 22" hole ⁸⁶⁵⁰ → maybe running casing tomorrow

BOP — Function test → trouble w/ sim^A card on ^{Fault} primer card

⑦ VOC's — good — generally ~~gas~~ blue water

5/23/10

6:00 Handover meeting

Dan McClure - Flow Estimate

Status Report

BID3 — 5/23/2010 MC 252 #3 18" Cement Job

Dave Sims

John Sprague

• Experienced losses

Ed Shumaker

• Communication from #1 is unlikely

Marty Sparab

• 3 bbl/hr

Jon Bello

18" shoe 4917 → 10,082 — 10,100

• No losses while drilling this hole

• Spotted a 16.5 pill on bottom →

• Current MW — 10.9 behind casing

drilled w/ 10.7

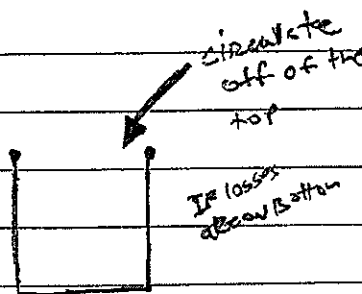
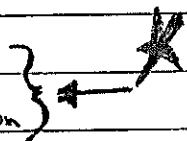
Geomechanics Folks — Vertical Fracturing

— If it was a transmitter

— Plan is to pump 2000

• Junk not an option

• BOP or BOP not an option



Will Temperature Log

Left Pressure \bar{e} , % of values

5/24/2010 Executive Meeting

① SSDI → 14,712 ^{gals} 24 6-6

→ NO ISSUES w/ boats

→ still looking for more friendly

dispersants - more environmentally

friendly - only on approved list

→ "less toxic"

② BOP - 450' jumper in

Bouancy installed

concrete mats ^{ILW} → more loading of HATS

- SS Accum 3000 psi

- LMRP Recovery SLINGS

2 installed
on sea floor

DIFF'S IS
on floor

will be on floor
consistent

③ SS

continues

4 1/2" 164 B_{psi} 107° d/s 710 psi 91° F

0 BSW → 10 mm scf - Balasted down 5 1/2" ^{max}

Average = 1300 bbl/s

13480 bbl/s

BOP 3350 psi ⇒ Bop

• 4 vessel heading changes

"LMRP Cap" ⇒ on boat today @ 7:00 am

"ROV Flex Joint plussies"

④ ENGINEERING

- Gauges - ROV'S have to fly high
 - 3430 psi may have declined by 100psi
- Acoustic survey - will hopefully determine if flow up casing or hangers



Marsha has taken over flow rate determination team

⑤ Top Kill

- Jumpers are installed
- Q-4000 in right position
- Rig up Frac track
- ★ - next big step is to get pressure test
- Procedures
- Need new ROV parts for top kill
- Dig on Tue - Kill on Wednesday

Drill

18" on bottom 10,100 → problems w/ Baker drum to tool

PDII

2.2" running to bottom ⇒ will be on hold for BOP
8600 ⇒ Blue gel issue resolved

⑥ VOC'S - one excursion on the position - 60 ppm

- mile W/W - quarter -
- oil only on shore in Louisiana
- Tar ball in AL, FL, ⇒ not BP's
- 90% of all skimmed oil is private - federal skimmer ineffective

DD III \Rightarrow Diverter sub - is still open

- pulling it is the risk
- lost over 2000 bbls of fluid to traps in hole
- pulling sub & re-running is something drill group has not done before
- still pumping same volume of 1500 bbls which would barely place it into the 22"

shoe \Rightarrow

- next casing string would cover this leg

8:00 am \Rightarrow SALAZAR Meeting 

• David Hayes; Ken is w/ seat

① DISP \Rightarrow Direct Last 24 hrs \rightarrow monitoring Bact in field

② containment \Rightarrow Balasting ship to hot swell spot

\rightarrow should see improvement

\rightarrow positioning problem - velocities $\left\{ \begin{array}{l} \text{gas at top} \\ \text{oil at bottom} \end{array} \right.$

\rightarrow video of plume work

\rightarrow cut riser off at top if top kill
& Add "LMRP" Hat

\rightarrow slugs on riser

③ TOP kill \Rightarrow system is connected \rightarrow

- Pressure test

- Pressure test Frac Bores Hoses & Bldg d/p h.

- Pressure whole system

- Diagnostics

RW

- ④ Relief well - @ 18" casing 10,00' → will be cemented today

9:00 a.m. Meeting w/ James

Re-Hash

Secretary SALAZAR Briefings

Monday - Section Review w/ Secretary Chew

Yesterday

5/24/2010 Executive Meeting

- ① SSDI - continues → EPA to call a press conference

- ② BOR-s - changing AOC bank

- Rig up 1200 w/ super saw C & K cutter
- monitor chatter
- monitor pressure data
- have visuals

- ③ SSC - continues

15:00 66' 1023.3 105°F, 76.5 psi/10' b

0 B6FW Blasted back up → 2792 - 4467 lb/ft³

2 MMSLF ⇒ ^{Installations} 10,500 bbl/day

2 ITT3 → modify NOSP

→ LMRP cap midnight tonight with methanol injection ports

Got the drill collars needed for LMRP

Minor methanol leak - tends to take care of itself

④

Engineering

— no new Parsons

— Acoustic data is hot

— working well — unity process

— Identified Responsible party

— 3320 remains the do.

— Riser cut procedure

⑤ Top Kill

— Rigged up free hand → leak @ 25 psi/min

— negative test @ ball valve — good test

— pulled loss sense line — fan pressure test

— Q tested manifolds

NEXT — displace mud down through the whole
manifolds valves

— pressure test against valves on trees

— thinks they will start diagnostics by mid day
diagnostics would start by noon tomorrow

— plans for a full coms test tonight

— 14.2 inch into sys cm

⑥

Relief Well

①

DC III

— set live pack off — will pump cement

22

— ^{current} 8575 — Circulator

BOP Stump test of dead man

⑦

Voc

D 30 Unified

① Houston

②

5-25-2010

Executive

① SSDI → 24 → 14572.99/s
— NO ISSUES

② BOP — Top Kill

— Deployed LMRP Basket

— Support P&T sensors — BOP of BOP's, gauge choke
kill no
to

— Today

— All Risers is done w/ Riser

Rethrow
case

Not going
hot

③ SSL — CONTIN

36/64 1918.5 psi 1067°F 66/psi 75°F 10.5 MMSCF

gas out @ 0300 → 45 MMSCF → 6070 — 24 hours

19,563 lb's 72.6 MMSCF — 9.8 MMSCF

plates are set up for high volume

stay — hydrate in

LMRP cap — 0500 depart Fourchon has mud mat

BITT3 — back in Fourchon — Needed mats —

changing nose

— At least 24 hours down ground

— collect during diagnostics

— will wait for mud

(4) ENG

- support PG
- Pressures under BOP - 3600-3900
- Acoustic shot → no immediate indication of high velocities around well head
- Riser cutting procedures in place
- Live pressures in the stack at the loss
- Guillotine & Grinders are in place

(6) Top Kill ⇒ Hogs interline hooked up & tested
Tested → get pressure gauges

? Diagnostics ⇒ sometime after midday

Diagnostics →

Pressurization up to goose-necks

- NPT
- Start diagnostics

- ⑦ Relief → 260 bbl/s — WOC
→ Lost 2500 bbl/s running in hole

22"

BOP — DMT ⇒ Accum — has a problem — inspection
⇒

- ⑧ VOC — Dradins

- ⑨ Samples → good trend → have confidence other than LA
→ Bellows — no oil in loop current
→ No place other than LA
→

5-25-2010

SALAZAR

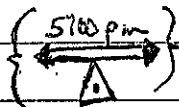
David Hayes & Tom Strickland

- ① Disprosants
② Containment → significant volume — cycling of tool

Riser tends to be a separator

1.4 — 6 MMSF — 2.4 RIT → stays right
up to top K₁ //

- ③ Good Progress — Hookup —



- mud through whole system
— doing test → negative test
— DIAGNOSTICS Today
→ Execute Today →

wants to know — what next → TOP Kill Fails → Remove top
of RISER Gullittine — down — Band saw e' manouevre

5/25/2010 Executive Meeting:

4:30

① SSDI - Continues

Toxicology \Rightarrow Aggregating data, up soon, BOWE site
Describe quality of data



② BOP - Limited function testing on stack looks good

- Support diagnostics
- Will pick back up on demo
- Function testing Riser cutting gear
- Tooling for the clamps will be ready
- Spider usage & analog being run - choke line running down now

Base plan to pull RITT, cut it if does not want to risk damaging Annular
Everything is

③ SSL

3:00 76/64 13/8.3 96.2 734 psi 88°F

IGR 16.2 MMSCF \rightarrow 8000 bbl/day

80-90% gather

LMRP on site on Rig deck - will be heeled on position -

Enterprise - is ready

once the sea mud will pull out \rightarrow then the will start staging the LMRP cap

④ ENGINEERING — PRE DIAGNOSIS

— support acoustic gases

— no positive indication of velocity changes
around wellhead

— now have a 4th hole on the kink

→ Acoustics taken

⑤ TOP KILL — central line loss back of

SS system tested

DIASO been coordinated

— upper kill line will be worked first

command in field — yellow pod working excellently

COSIS shear only took 89415 — w/ hydraulics are

closed w/ pod

⑥ REP

REP III

① gas content was good up to 2000's

② DDI → still has trouble w/ DMT

Hydril

⑦ NO VOC'S — memorial service was well done

⑧ EXCLUSION ZONE — proposed 12:00 midnight +
to 12 midnight — on Friday

5/25/2010

5:00 SALAZAR Meeting

• David Hayes — Alignment on Plan B

↳

↳ ↔ Will cut Riser on LMRP

↳

↳ → chw Diagnostics

• Diagnostics T/W Yellow Pod working
well → "Brain" is working
→ NO negative news — NO positive news

SALAZAR wants ~~6:00 am~~ 7:00 am phone call
tomorrow →

5/26/10

Executive Meeting

① SSDI → Pumped ≈ 24 10+K

TOXteology on web site today →

② BOP's

- position - as-builts - planning

- support TOX Kill

- Preparing for shears - want in water will try

- Denotation preparation

- Diamond wire cutter

③ SSC - 06:00 - safe zone

- Wandering out the hydrate plug @ base

unrep

- 17:00 1430 psi 95.4°F, 744.2 psi 84.5°

20 MMSCF 6636 BBL/dex

2596 bbl/s - 18.1 MMSCF

2027 - 22,158 bbl/s 88.4 MMSCF

- observed mud @ 1800

18:21 wing valve

- disp N

- Cut RITT - NO - back off at shear

- Lowered to sea floor

- Leak @ Hydraulic Flying leads - then out of w. ^{do have need to be}

- Elbow - worn spot

- TOR Hot procedure

④ PAUL ENG

- well kill diagnostics
- supporting Diser cut
- gone to own with 2 Acoustic sensors

⑤ Topkill completed diagnostics 2 ck - 3 kill
2, 4, 6 bbls

- Data Evaluation F/W
- CRUNCH-1

⑥ DP III -

DP II T/A - pulling over to safe zone
DM & Auto Shave -
will meet w/ TO

⑦ UOC's none

NO surface displacement

⑧ Security Assessment

5/26/2010

SALAZAR Meeting:

① DISP - continues will continue

② CONTINGENCY - RITT pulled @ 6:00pm - ~~at~~ ON MOD IN SEPS

RITT 100% on bottom, CAPS on Bottom.

SIZONS on Bottom

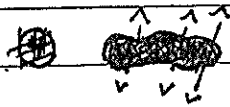
Hydraulic lines need to be repaired

③ Top Kill - establish flow all 5 across

Choke kills & Kill lines

Brain power crucial I/W

will make decision j; Huge Circums



Fish Bowl

④ May Fail - Plan B is reviewed

5-26-2010

Peter McFerris

~~DOJ~~ SOL

Rommel Philpott

DOJ

Mike Thorp

DOJ

June 10th





No New Drill Starts ↕

- ~~Shelf~~ Shelf surface stacks can be approved

- ON going wells - NO stoppage

- NO stops-on-side tracks or Bypass
ON going SS stacks

5-26-2010 EXECUTIVE

① SSPI - Buried The ROV - Dissing it out }
- 14400 gallons 24 hr period }

② BOP's → supporting TOP KIL

→ Position - CEMENT Problem → SHARPES NOT TESTED

→ Acoustic Array FOR PILL

- All BOP's OK - ROV OK

③ SSL - Enterprise - SATP

- Remove Hydraulic LMRP Removers

- Will be making Drill pipe

- cutting steel BOP top hat

stack SPLIT - Brings constraints - 3d.
TH

- Top Hat - LMRP TOP ONP down next

- ~~moving~~ Need to see cut

- Ready by midnight to cut c' Hookup C

④ Engineering — Zander Braker is looking after gasnet

⑤ Top kill — momentum kill

5 hrs → 60+ bbls/minute + 1000 ft Lax down

3 hrs → Resumed 2 1/2 hrs flat/med no

Reduction — suspended ops

plugging options →

* Establish some back pressure

* 15000 bbls of mud is what they want

for → mud will be in field by

today → 18 pps for tomorrow

Around 2000 bbls

mid morning until noon →

page → worried about battery life

* * min of 2 more days of top kill activity

* * 2 more array of batteries for pages available

⑥ Relief III

Drilled out 18" sho + — ^{LOT} got 12.3 good

Will start building gaslet 35°

II

MC-339 — safe area — pilot — more issues }

Hydril, doing more dissins }

Mods — ???

⑦ VOC None

⑧ Clean up activity, Political noise → President here tomorrow

5-26-2010

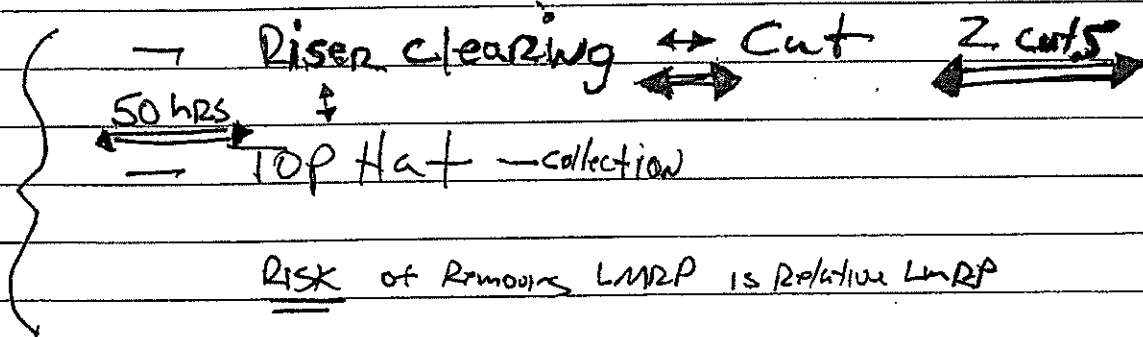
SALAZAR Meeting

① Top kill \Rightarrow system operated high rates 70 bbls per min

- \rightarrow Pressure barrier was not as strong
- \rightarrow more mud out than in!
- \rightarrow Not a sufficient mud height to kill the well
- \rightarrow Another top kill material \leftrightarrow
 - \rightarrow how to shoot - where to shoot
 - \rightarrow Pump ~~pressure~~ lengthy time period
 - Fine balls $7/8"$ - $2"$ balls used -
 - do not think they went into well bore

Next Step \rightarrow they made if they did not make a difference \rightarrow then they would make a change - no restriction in LMRP

Timing \rightarrow



2 Things

Meeting w/ Jamar

Path Forward

- ① Did Statics - Stack reading 800 psi off
 - Looking hard at restrictions
 - talking to Mazella offshore
 - 2 1/2 inch & 2 1/4 inch balls never launched

5-28-2010

① SSDI 14,347 gals 24 hrs
? Volume 10 gal/min \rightarrow

② BOP -
- Top Kill Support
- Sensors on choke line - got it lined out
- Recovering shear mechanics - use crane to put in a new
- All 3 Key sensors are working
- Function test of shear mechanics.

③ SSC - Enterprise safe Area 2000!
Removed hydrate
ran drill pipe
- mixing mud for top kill
- Fit Test deflector hydrates for SSC
- Procedure \rightarrow For BOP on BOP

④ BOP - 0 -

⑤ Top Kill - mud to field
- started - JUNK shot from manifold
5 other loads from surface
- Saw some pressure increase
9 others.
 \rightarrow 15 shots total - saw some spikes
- Rates 25 bbl/min
- drill pipe is no longer there ??
- Re load spread - 15,000 lbs 16.4 \rightarrow 20,000

5 | 28 | 10

- manifold based - maybe add a clamp

Leak - heavy / light mud

16:30 → heavy mud →

⑥ → Relief well

III → drilled 1300' 11,370'
hol 30° - 35° ~ 27° W
continue - CP today

II → DMAS resolved → start work this weekend
- According to plan?

⑦ VOC's - none

5-28-2008 SALAZAR Meeting

① Dynamic Kill → ~~Upper Kill~~ / Lower Kill

② Plan B - LMRP Cap - Guillotine,
→ 50 hours → work first time

↔ Best minds

5/28/10

Andy Ingles - discussion w/ Mark Madick - @ 6:00 pm. regarding

① - Bridge materials → pumped under BOP's

to stop kill or not

- 18 shot run

- 80 bbls → against the design limits of the Kill

- Built pressure → pressure started to fall

- Pressure climbed

- then flattened until

- saw oil came out the casing

- looks like a LOT - Fracture

- did not see a change

- consensus of team is 18" shoe broke down

- never pumped at a pressure that put stress on the last disks

Paul Tooms

• ? Absence of hydrocarbon?

18" shoe fracture - classic fracture - intermittent or not?

may be induced -

- Can you pump anything to treat?

18 different things - most gone out the

end of the riser - cannot be done in the

present configuration

Why not go there w/ the CRIMP? Bryan's thought?

5 28 10

Laps not sure of signature

Andy - as soon as you stop the pumps you see hydrocarbon

~~the water is not clear~~

- Other possible scenarios ^{propulsion goes out}

- Need to conduct a pressure test?

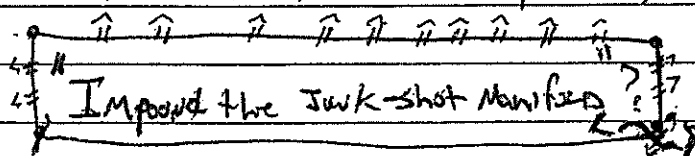
while pump still live 2" OD - pretty robust

7" - 9 7/8" - 1.5 inches clearance - by pumps - no clear

indication that drill pipe is still there

Mark thinks pipe is still in Bot's but now thinking it is hanging below

- Closing the test lines might tell you if there is still pipe -



10 to 1 or 8 to 1 at best you are doing

Paul does not think you can do better - 78 - 80% - lift head together

~~PHIL~~ the holes are 70" at the best disks - thinks you pump past them.

Do we continue to pump? - Same signature on every pump

- Mark says Relief well is being used

5	28	10
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DDII Stack

Second Relief Well → "get a Rig"!!

Long term Production Solution

FPSO ↔ FSHR ⇒ Relief ⇒ Manifold

DIAGNOSTICS

WORK w/ POLITICS ⇒

Pausing tonight - cumulative DATA

5	28	10
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6:30 AM - EXECUTIVE

① 14,040 - gallons ~~30 min~~ - skid High vo's on skid /
wand design on top hat

② De-construct work → ① skid

② Deep sea - 800' hose

③ Underflange work

④ mud mat - 150' hose

⑤ Transpanders

⑥ Q-4000-

⑦ LMRP slinks

③ LMRP - Cap

• Enterprise - mud mixing

- Run in hole - Hydrate - Jetties sub

- Jet hot water

- tapered stabilizer

→ Space out - will need two 75' coiled hoses

Late night tonight

- Slack top deep sand

④ Relief well ^{DP III} - 700' 12090 16" CP 36° - N23°W

Pool - hole opening - main section

Get show - 10 days ahead of schedule

DP II

⑤ Engineering - NO update - OTHER DATA ANALYSIS

⑥ Top kill ⇒ Mude Mud 15536 lbs by 10:00 AM

⑦ VO's none

PD

5	28	10
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13:00 + Executive Meeting

JWK across test Pains or Erosion

Maybe some erosion in the stack

BOP is BOP Not an option

- BOP on BOP would have led to uncontrolled underground flow

Forward Criteria

- No leakage
- BOP Base 4250
- Hurricane Proof

5	28	10
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James Dupree stated to me that "visions rumors that LARS still wanted to pump"

Re me - totally false!

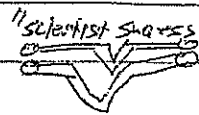
SALAZAR - Meeting -

- Topkill unsuccessful - 700psi spike -

5 | 28 | 10

① LMRP Cuts to Enterprise

② Coffex ~~to~~ From choke & kill to P-4000 - Burning



③ Low shear - FSHR - FPSO - stock tool "

4:30 Executive meeting ⇒

① Disp → Injection subsea continue upto 15K

② TOP Kill Flushing → Operational Note CaBR

③ LMRP Cut

- Enterprise in safe zone
- verify 11" collars ⇒ J Latch
- will not 2nd of line
- ROV's ⇒ cutting choke & lines
- 2 hubs to be parted
- got plumbers plus

- Prepared revised RSTC cutting procedure
- Provision to this procedure

④ DP III hole opener to 500' - First Bar's
will open bottom to 20" - Leak off first
by next Wednesday - keeps you under P-10

Letter to come to Admiral Allen for Unified
Command Approval to Change Plan 1

5	30	10
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~~###~~ Hand over meets Attended ☒

~~###~~ Executive meeting

Andy Ingles → stat ground work schedule

① SSDI →

Enterprise had VOC → High Benzine

~~###~~

② UF — complete —

③ First cut should be on June 1st

④ Removal of Top Kill

— Flushing complete

— need to disconnect the 450' coftels

— Not Slings LMRP

— options for 800' dispersant hoses (2)

— new wands built

⑤ Containment

— 18" drill collars will not work

— 15" drill collars now

— tool —

— lighty ??

⑥ DST Block — 1000' — Jumper — STAN Bond

RW — DO III — Next step set 16"

DO II — BOP work — splash workover

5	30	10
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TOSIA

SALAZAR

TOM STRICKLAND / DAVID HAYES / KEN SALAZAR

① Dist continues - Riser cut - new wands

some spill by the cap 800' hose

② Containment

① Plan B - LMRP cap ENT

7 step ① Ck Rm &

② Disp & preserve & reflow pod works

③ disconnect FHX hoses & move Q-4000
reel out umbilical for 2 pop

④ Riser cut - shears / cut M-T

⑤ Pick Cap

⑥ Recovery

⑦ Optimize

② Plan B⁺ Q-4000 - over spill - Buen③ Plan D⁺ ⇒ FPSO ⑤

30

5	30	10
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Fed Meetings

① Marsha -

Diamond Saw cut → No backup plan
 Installation of LMRP cap → Inventor supervising
 HPU → HPU → Shop saw

Nitrogen is not an inert gas

4:30 PM Executive Meetings

① SSDI - Continuous → 2 Sample Boats

- Sampling Protocols may change

② TOP Kill - 100% underflange work complete

- Q-4000 - Needs to remove cottons, needs to get out of way
 - Need to disconnect Q- to add space

③ LMRP CAP → Lead based cap be out late Monday
 Tuesday Night or early morning

④ Q-4000 - get Dumpers up / Clear deck

- Test spread
 - Burn heads

⑤ DDIII - ???

DDII - BOP Testing complete

⑥ VOC's

5 | 31 | 10

EXECUTIVE Meeting 6:30 AM

① LISP — 14371 gals

Dispersant System Re-tool I/W
FOR LMRP From 2 Angles
- can inject into cut

② Cut & Remove Riser

- Equip Fit Test — problems w/
diamond saw — 08:00

Hot stab Repair — Next LATCH
• cut of R — cut riser

- TOP Kill → Removal — 450 — removed

- Q-4000 moved @ 1500' must d-mob

- max cable pay out OKAY

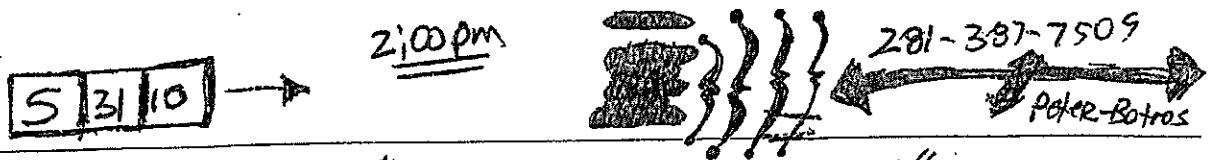
- EMT-prise J Latch &

- install with hoses

- 1000' ft jumpers are in place

- 7 block — Remove single line

- 0 burners fly in from France



③ DD III 20" - 20,075 - 4500 16" casing cement
7-10 = 11

DD II - F U E I choke
- splash Tuesday -

④ VOC's - none - 2500 gallons surface dispersant

7:00 AM UC. → Houston IC
• AIR DISPERST Houston - SURFANT - 1000 BURNST
5 - SWP } BOSSON
6 - WEST }

Mobile - "TAN PATTY" FRLP
- more Aggressive
DD III

Secretary to stay until Wednesday - BP to send him offshore

10:00 am - Discussed Containment systems

SS system will go West

1:00 Jon Spagnoli - AM to shipyard - John
TROY, JOEL, DAVE, PETER

5	31	10
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20 x 10 \Rightarrow {200K
600K} \rightarrow

100% containment

Hurricane safe

QUICK/SAFE

- pressure contain

- Riser Team

Ryan Markov

{ - Cold Eyes View
- Wednesday 8-12 }

7:30 - 8:00

① * Descriptions of system

② ~~Jack~~ Jack Snieder SC/FS \rightarrow

\rightarrow Call Jack!

4:30

① Displacement - continues - no problems

② LMRP CAPS

C & R Riser = Hyd, Boost ^{OK} 2 kills left

12 hrs - put diamond saw in place

- Shave cut 12:00 am & 3:00 am

- Landed \Rightarrow 6:00 pm tomorrow night

By 6:00 am tomorrow \Rightarrow by midnight tomorrow

5 | 31 | 10

③ Q-4000 going very well → LDIS Reconstructed tonight 1450

④ Leaded Cap

⑤ Nial → Met WIMMS & USCG -

critical path - Install riser ★

Installed knock out down ★

inspected with hose -

BOP connection - Finalize detailed design ★

- West Sirius rig to install riser

⑥ DDII Running 16" casing → Cementing to start soon

DDII - Change out of HC connectors, late tomorrow splash BOP's

Relief Well drilling

①

Handover thoughts for Troy

- ① Secretary Salazar here until Wednesday
- ② Ms. McNutt still here
- ③ Explain Christy / Vanessa / Ramona Role
- ④ Long term solution "Martinez" / "Dessaur"
* Separate Building "Separate meeting schedule"

6	1	10
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① DISP - 24 hrs - 14,435 gals

- LS → EPA → Alternative Rejected
 - minimize surface use
 - Form AA - disp riser cut
 - All ready for disp for cut

② LMRP - - All cuts C & K

- Surveys
- saw prept for Attachment
- cut w/in next 1 hour
- Posi 120V failure
- Dn of top kill equipment →
- Super FI removed clear deck
- 450 cotex
- FB 1400 ND
- TC continue Enterprise
- N² displacer
- hds → LMRP
- Waiting on drs "Ready" 21:00 hrs today
- 06:00 at depth

③ Enterprise Kit Ready to go - 4 addins 2 more

④ RW → Still 16" Eten problem

DDII - HC connector, Mobins → splash BOP tonight
Early tomorrow

6	1	10
---	---	----

⑤ Tent Cities

⑥ VOC's — NO EXCURSIONS > 50 ppm

7:00 AM VAC

① NOAA → Trajectories — Southern Flow

② Houston → NO FWS OR FW — VOC's <

→ Shm & diamond cut →

DD III → Cuts RW

③ Harma → 89° TS — minor impact — Alberta — disperse

~ 1 WC → 2 arrest. Fossilization

— Re-oil grand isle

— G-F Beach open

④ Mobile — New Location

1 cut → 1 upset stomach

Boom's being recovered

HC Treballs

3C Treballs

FLA none

6 | 1 | 10

Bill Noble - Attorney -

① Techrip - 8 sectors

11 - sectors total

3 - until 2009

②

23 ↔

24 BL

25 BD

26 BL

27 BLD

28 BL

29 BL

30 BL

31 BL

1 —

6	2	10
---	---	----

① H C&S@TRA

~~###~~ ② BOP → Trend Testing →
DDII

③ 1 day behind

④ — Production — Atlantis Trend Chart —

⑤ Jim Swarney → FO Region LF

⑥ Inspection — Drilling good WAG —
— 13 1/2 months → 22ppd.
— Anything over ^{500'} PC'S

6 4 10

2 3 4 0 0 0 0 0 0 0
5 6 7 8 9 10 11

Teleconference w/ LARS & Mike



All plugs per regulations

↑↑↑↑
↑↑↑↑

• Positive Pressure Test & Weight test!

- Shallow water Drilling leave in review

* * * * *

6/9/10

cell → [REDACTED]

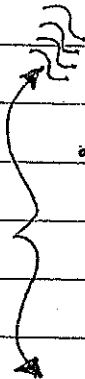
① Mike Walos - [REDACTED]

ENSCO - Broossard

Quest, 3rd part or BSR Capble of

Shurix, Casins @ Max Atip Surface pressure

N7L → WHO can do work?



From BP to Admiral Watson

• Letter Admiral Watson

what is the status

Rec on 9th

DO 3 =>

Water: 4/50

6	11	10
---	----	----

Q-4000 Team lead

LTS

TP

HP1

CL

① SS drop → 9625 gals - 7 gpm - 2 30 min outages No VOC's

② LMRP ⇒ I vent closed → 23:43 → hot stubs missing
@ top cap - LMRP Okay -

③ ⇒ 15,402 bbls 30.8 mmsec 206 bms ⇒ Run-p 200 to 256
⇒ 3100 an liters ⇒
SIMOPS ⇒ Q Enterprise today
ops personnel on Q as of Sunday

Q-4000 - Rig up should be complete today

GO - NO GO meeting - Pressure tested & Function tested ^{Monday}

Clear lead team ⇒ Co flex we needed from France

LMRP Cap Pressure Measurement

④ LTS

⑤ DP11 - Gyno Loss → Bot Trst sat 11 7/8 by Wed 11:00 Friday

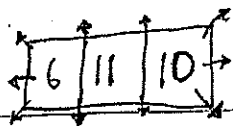
DP11 -

Pier review This morning - Ransing Pool
Commissioner's look in town

6/11/10

SALAZAR Meeting

- ① Disp → Almost continuous 9000 gals
- ② Containment — 15,402 bbls 30.8 msec
— stabil — open chokes fully open
— 256/
- ③ Lightering operations 94,000 bbls oil → finished today
- ④ Q-4000 — hookup I/W — flame/burner 80%
inst almost complete.
Function test — Monday startup
- ⑤ LT
— Cleared Chevron Team embedded
FRANCE coflows — 2-3 weeks
System design — mid
- ⑥ TP ⇒ remaining on track — section pile — Installation today
— SS manif — sat or Sunday
— Air can
— Next week riser installation
— TP =
- ⑦ LMRP caps
- ⑧ HP ⇒ System Build out — mid July
- ⑨ RW = DDIII — good progress — Loss — Test BOP's Drill/Alert 11/7/0

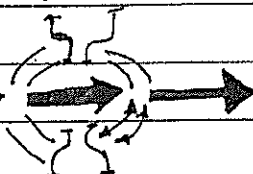


⑩ DDII → drilled out cement ON isolation

⑪ Pressure Reading → Tom Hunter's team → procedure

Analog gages → today

Build Test Kits → → →



Move choke further D/S ON Enterprise

Additional

Q-4000

→ 5 → 10 bbls depends on flow assurance

→ Q 10,000 - water curtains Limited

12-11 is now 20-40

clear

- Topside DST ⇒ 100% rigged up end of June - Early July

- Subsea equip

2500 - 3000' min - feet away - From Kill manifold

" East - South east - "

4185

4016

4054

4156 VSCG Hot

6/11/20

From Ben

Craig Fisher

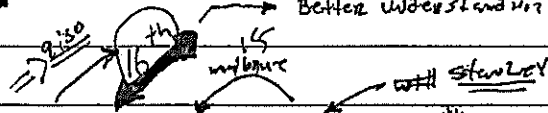
Aid for Chairman down

Chairman TOWNS

Ranking Republican

Committee House oversight &

Better understanding of inspection



Monday

Mo

NO-H-L-LC-ES

-LAF-THCS

1hr 1hr

SSDRSP - 6.333 g/s - moving manifolds -

Enterprise → pumps stop → 158,999 bbls recovered

disconnect safely

115,310 bbls

240/256 → North coast of Texas

Boiler heat too much for crew

Q-4000 - 15 up 99% 92% 97%

Tomorrow Engineers GO - NO GO Meeting, COMS C-308 L

Q-4000

Clear Leader - Source explicitly → Equipment

3800 - Brazil 10 days

6/12/10

CDP - suction pile tonight

- AIR can - Sunday

- Riser shipped out tomorrow

- manifold in field installation tonight

- Prices - 20th June completions

QC/DC Testing 17th

Loch Rannoch ETA 17th

HPI - Contact Today - on Books tomorrow

OIM - TONY OWEN

PDII → ?

PDII → ?

Intercept new ⇒ good feedback

no JOC's

6	12	10
---	----	----

① SS DISP = Skandi move \Rightarrow has been on fire approx 9 hours

- dist manifold has blockages
- a new panel was used
- Skandi had to move ~~be~~ for

② LMRP

ENT_{TEP} 209° 5° 85°F 1662/min, 69pm max, 1 vent closed

- detailed survey listing \rightarrow looks to have seal listing
- 10° = busted seal Flux Joint 5°

Hot stop pressure gauge - DOE comments, revised procedure

- gauge in field today - will be moving forward
- OM^{Test}ss, ^{Sanon}Weki's - Transducer - later

③ Rec 15,554 bbl's 31.2 MSCF 256/64 1050psi v/s chok.

Boilers are on.

LTP - meetings

④ Q-4000 - PT equipment, LP complete - HP in/w 40%

- Final Rich up on Burners
- NO go meeting @ 9:30 am

⑤ CL \rightarrow Schedules w/ S

6/12/10

415-6 Signed

⑥ Containment options \Rightarrow Valco \Rightarrow Forgings is an issue

- Plate Forging

- Design Looks good

⑦ LTP \Rightarrow ① suction pile ready to go on boat

② manifold ready to go

③ Red hull the air can

④ TP \rightarrow 20th \rightarrow

SLR 17th

⑤ HPI \Rightarrow scope of work 15 items 24th

⑧ DP III \Rightarrow CIL casing inspection LOS

DBI = going through = rough zone

⑨ • Heavy oil @ gulf shores

• hard to find stimable oil

6/12/10

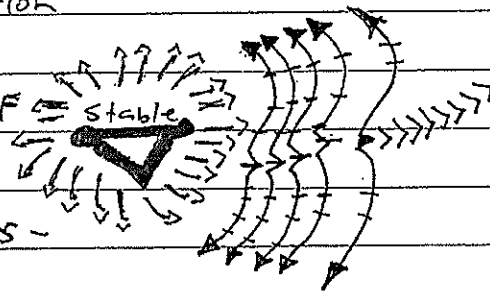
⊕ SALAZAR Meeting

• Tom Strickland

• Dept →

① 24 hrs - planned skandi ~~reboot~~ - leaks & blockages for
12 hours < of injection

② LMRP Hat 15,554 bbls 31 MMSCF → stable
Raise heat
more heat → now less -



③ Lightering - 115,310 bbls of oil

④ Q-4000 - O.K. from choke line ⇒ Hookup virtually
complete. PT 40% complete

⑤ New Shuttle Tanker

Evi-Knutson, ~~XXXXXXXX~~

~~XXXXXXXX~~

Navion Ferret

6	12	10
---	----	----

① 06:48 - 12:00 Back on Total Tgpm

12-12 → 7000 gallons estimate

② Enterprise - 210" - 18661 - 260123 111°F, hat cocked,

may want to move RIS to compensate - bumper subs stroked out

current is almost nothing @ 3500' -

③ 7568, 15.8 MCF ⇒ 15,135 - 316 Gas - 8:00 am Flow computer trip!!
10:30 am

Tanks straps ⇒ - meters primary - then tanks straps

④ Enterprise has 21,000 bbls ⇒ gas meter calibration, no charges to oil/meter

⑤ Q-4000 - RIS vs canting - RIS up 98%, instrumentation 100% complete

ann 4154 circulating ⇒ LP pressure lost

GO/NO GO - max surface connectors

⑥ Clean Ladders - Brazil hose ⇒ 3800' sourced

- suction pile ⇒ vendor values

- ~~10 person~~ 2-4 person teams

- AIR FRIGHT - OEM - 26th

- exp flow and

⑦ Flange cap ⇒ Flex Joint over slot, Flex Joint

⑧ KRW CDP ⇒ 0940 suction pile □

manifold □

AIR can torque □ procedure

RIS on outer
⇒ ⇒

②

DD III - Gyro good - $\pm 10'$ XY \Rightarrow LWD

Cus V - bad data - more controllers - R & R -

CL/KL - Friction

DP II - LOT 27" Shoe 11.6 pps \Rightarrow Looks 11.4' son

Sundin

Sacramento Salazar - goes out w/ OSLG

⑩ 1 VOC on enterprise -

⑪

6/13/10

① SS-disp - 7gpm current rate 7 outages
o surface during night

② LMRP \Rightarrow 290° \rightarrow 5°, 108°F, 1966 65pm, cap 10/12° north

24 \rightarrow 15,039 bbls 32.5 mmscft

Foaming separator o↓ 6" - Lined out Full open chokes

Metrogas Experts - calibration gas meter

③ Q-4000 - HP Frst 80% - oil ^{lines} Frst cde 12:00 today

DST Testing, MMS/USEG today

4154 - today HAZ

Clear leader - Progress \rightarrow

Plex Jaws SIT/Still set for Monday

④ CISP
Suction Pile installed

Manifold is on bottom

AIR cans will be in field today

⑤ DP III Frcting 13 1/2 casing. Logging complete JOL good

Test BOP - Frcting Testing, Drill out tomorrow

DP II Drilling Ahead - ^{N2H4} M110 \rightarrow ~~drilling~~ no problems

Secretary Salazar to the DP II

6/13/10

Kel SALAZAR, Steven Chew, Meeting 8:00pm
DAVID Hayes → Rod Strickland ↔

① 15,039 32.9 MMSCF - Forming issue
choke fully open

Mass ~~is~~ cascade.

② DISP 6000 gals

③ Gases → offshore - Unified Command Signature

④ Q-4000 → safe operations

LP Test complete, HP test 80%

GO/NOGO → Cold vent

⑤ DDII Gyno Log & Cement

Friction Test on Choke line

Needed for kill

Drilling Tomorrow

DDII - MID → Drilled through

6/13/10

Meeting w/ Dan Stoltz, Steve Martinez, Ralph Delawarick, Tom Marshall, Richard Davis

Discussion on testing safety devices

Paul Sluts, Doug Raynes, Chris Iker

DS MC

Started up June 3rd

Max 3, 4, 5 Tested originally

ESDI station May 31st

Request → to defer testing

381

28

42

-28

14

June 14th

★ 0212 Surge Fisher 2100 - Electrical output → needed turn

Tripped

will Apply for a testing waiver per NTL

16:30 → Executive Meeting

① SS Disp 79pm

② 12 hrs noon 7720 - 15441 - 16.9 MMSCF ⇒ some foaming

using tank straps

Mass w/ camp midnight back in field Thursday

OS cascade arrive tomorrow - cargo from ofload

- review cons w ENT & Q

Q ops readiness

③ ENT = 110° Change 5° III° 18pm 1 vent closed 115 hours T-111

pressure procedure @ I/W First pressure test 6-7pm

Run w/ DMTSA's

Position is still 12° @

④ Q-4000 → Flow head install

→ Functionally Test I/W

→ Rapped op

cold vent, Blocker gutted - Route vent off of side

E-2 on Risk matrix

Tomorrow Afternoon

Running Rndy c/c

⑤ CL = Bill of materials today

→ SS-362 - June 26th delivery date

→ Fill lay crews

→

⑥ BOP Test Connect

FJC ⇒ 9000 psi

Forging

⑦ QC/DC Test Today

⑧ IC good day Vol SO on OIS - 0

Humature preparedness

⑨ DDI CT & BSR = Friction pressure

Testing BOP's tonight.

DDI 9022' M₁₁₀ = ~~max~~ Top drive issues

BOP-~~issue~~ ⇒ Have top drive issue ⇒

⑩ VC → clean up ops 19 acres impacted

⑪

6/14/10

① Executive meeting - 0 notes

② Salazar meeting, ↔ LR Mas 140K

Rod O'Connor

OC 230K

LR 750K

Shlan 300K
25K

ER 750K

NIF

• — Disp - 7gm 0 vol issues —

• — conversation about Disp w/higher rate

• LMRP - 15,200 bbl 33.4 mmSCF - fully open choke

• Mass finished lightening

• Pressure Reading AP = 2 psi \Rightarrow 5:51 am

• Q-4000 - DST hooked up tested - MMS/USCG

on track by 6:00 pm \Rightarrow do not start up at night

• Section pile installed

• SS manifold installed

• AIRC can today

• Riser installation Tuesday/Wednesday

See M12, Alabama

offshore; have oil
in the water.

he has suggestions

• use of disposables
on the sea itself

limited of usage

TP & AP beams prepared - TP slightly ahead

DDIII - drilling out later today

DDII - drilling out of M110

- UAC - Need for additional surface dispersement

- saw a lot more oil - Sakazaki is questioning the amount of dispersement that can be used

- Source Control

- Q-4000 - what is the burning of oil is going to look like?

- Evergreen burning \Rightarrow some smoke but is very efficient, should be a clean

- burn - worried about visuals

- burns in a 360° \Rightarrow

- Longer Term Containment -

- TP - can the scheduled be moved up? on the critical path

meeting tomorrow - w Washington with heads of State
of oil companies discussing containment options

6/14/10

HP-1

T-D/S charge pumps for Export Red KSHL sensors
SFD, P&ID - meeting to discuss utilization of HP-1

Executive

SSDI - 7gpm - SSDI - Broken hose / broken Wand

- 190° - 1800l bsp/mho \Rightarrow 12 hrs 76/8, 16.4 mm/sec 15376
32.7
- OS cascade on site tomorrow
- Q-4000 - finalizing cold vent \leftrightarrow
 - Blast studies
 - Rig needs to be repositioned
 - 2 priorities \leftrightarrow 4154, 4185
 - still have some mechanical
- CL - no update
- LT \rightarrow Air can in water -
 \rightarrow Riser

Picops \rightarrow meeting, Wednesday

HP-1 \rightarrow

LR 17th

RW - DP II - TOC - 14/115 - Drill 11 7/8 AL-1

DP II - Virennante \Rightarrow 10,150 - CP tomorrow

Admiral Allen \Rightarrow

6/15/10

TR # 4046 - 4056 ✓ 4006
 ✓ 4003 - 4042
 4055 - AD 4041

6:30 AM Executive Meeting

① 9748, 79pm 2 outages - Wand broke

② LMRP

- 280° S°, 82°F, 16 bbl/min, 1 boiler, 1 vent closed
- Shutdown @ 2:45 - FIRE eye malfunction
- 15,421 bbl 31.3 MMSCF ⇒ 1500 bbl impact

OS cascade in fire ^{prob} ⇒ Should have 75° 80 bbl/s □

③ Q-4000 - 4154, 4185 - 11:00 pm

- Mechanically complete
- closing out USCG 10:00am
- Hand rails walkways
- oil transfer pumps - Resized TSD
- PSL on steam boiler
- midday today

④ CL - Opc ready - scheduled to 26th June
 Pumping up - DST equipment -

⑤ ~~Exc~~ - Sourced materials -

6/15/10

⑥ CDP - AIRCON - Hoisting into moon pool

LRA IS ON SITE →
LOWER DISC ASSEMBLY

CDP manifold - moved 700'

Function test today

TP - June 21st - LR June 17 } 750,000
HPI June 21st - }

EK & NV 6/24 → 6/26

⑦ DP III LOT → 145 LOT, drilling ahead

11 7/8 TD 15936 by Thurs

L - S

C - S

BOP Test after

DP II → running into hole for 18" CP TO TD by tomorrow

⑧ NO VOC'S

⑨ PG 24 psi w/ base line of 0.4 psi →

draws shut down the gauge did not move

6/15/10

7:00 Unified command - No operational significant info

8:00 SALAZAR

- 7gpm \rightarrow 10gpm \rightarrow 9500 gals 24 hrs - AC - A.

- $\left\{ \begin{array}{l} \cdot SK \\ \cdot IB \\ \cdot BC \\ \cdot ST \\ \cdot AD \end{array} \right\}$ At least displacement is ~~fill~~ 5th an
dis

- Enterprise 15,471 bbl/s - 332 MMSCF

2:45 am \rightarrow shut in & immediately restored by 1500 bbl/s

- Pressure readings during S/D \rightarrow gauge did not move
discrepancies \leftrightarrow

- @ -4000 \rightarrow safety punchlists - PSU's - cold vent

done by 10:00 am \rightarrow

hopefully hydrocarbon

"Sen Salazar" Red O'Connor \Rightarrow 12:00 noon

5:00 pm update

26th June

6/15/10

Incident Reported on Enterprise

Fire occurred in the derrick, short term, evacuation not required
Process w/ ESD's
No injuries, still evaluating
Station Keeping maintained
Vessels moved out of area just in case
Did they muster

8:59 - Attentionous LW

9:33 - ETO DP III Fire

9:34 DP III Told Halcrow

9:41 - DE DP II fire out

9:52 - Fire out, DP II

still on station

10:04 - LA All clear

• Don

muster occurred

ESD's worked from rig floor

Fire is out

shut in Process

vent line for the crude tanks

Lightning struck the derrick

100% muster to Bow ship

Everyone is in the galley

may need to purge w/ nitrogen in the tanks

is there a need to inspect the flange

getting methanol into system

0 injuries

Station Keeping maintained

Sub folks had to muster

vent line is Starboard Forward 10' above waterline

spark arrestor is in the line

- PA
- trickle in w/ down drill pipe

- methanol
captain wants to purge

• Purge the vent

LWR -

• TS - monitor's voc's

• DP's backing up

• meth injection continues

6/15/10

11:30 am

① Questions

Assessor - +

- Damage Assessment - no damage indicated done

TF - Flow - production - 12 noon

PA - Plan forward

FA - worked as ~~planned~~ expected

TFOM - Everybody OK - handled well

VOC'S Not a problem

AS

N₂ - Purged vent line - N₂ down draft
string is good not to do
N₂ down draft string

ROV'S - up and running

captains speaking

TF will be ready by noon

closed vents that went to the tank, flame extinguished

Need ^{to directly} check flame arrestor

Are the vent lines back open

MED status → running 2gpm → 94000

6/15/10

12:15 Lightning Strike

Q-4000 - GO-NO GO meeting

MOU → spark arresters - no dislodgement - in line

- 1 1/2 to 2 hours of Derrick inspection from Transocean

OR USCG → will confirm who requires

- USCG will be calling the ops for a high level meeting

- Test Facility should be ready shortly

Transocean Rep: Jess Richards

Enterprise Captain = Jim Stuart

1:15

DIR

Q 4000 → no startup @ 16:00 CST

Base oil estimated @ 16:00 hrs

① CROWN Inspected Looks good - Still working there way down

② No call from USCG Necessary

③ go back to 6 gals per minute ON MeO₂

④ Are the vents

⑤ ^{Igniter} Light 10 mins

⑥ No injuries at all

⑦ Is the inspection of the derrick complete?

Tip of the vent line drill, Antc, looks good

⑧ Per Transocean → Derrick inspection is good, any further

inspections can be done on line w/ the production package

Production will start

6/15/10 16:30 Executive meeting

① SS-disposal → 7gpm → 11:00am 14gpm - back at 8 → will go back to
8281 gal/s

② LMRP Cap

• ASE Vent Line pipe - 1345

• 295° 73,194 ^{bbls} Light tomorrow

• 2gpm - 6gpm 110°F

13666 bbls per day

12 hr → 5612 bbls - 11,224

2:15 shut down - back to full rate @ 2:50

③ Q - Ready to start up - OPS notes Mofet valves
LT shutdown

Displaced riser to base oil

Starting within 60 mins ^{flow now} per ~~now~~

④ CDP - manifold F/T almost complete

- WS - AIR2 can be up'd in moon pool

- working Lower Riser assembly -

- 2/3 flexibles in transit tomorrow

- 18:00 hrs on the 18" L

- install 1000' Jumper

- vessels Hoss achieved - CI ops

- TP & HP1 Arrival in field on 6/21

Need to decide which vessels

- Riser component for CDP II Tracking in July

⑤ III DA 1448Z - A-514 14⁰⁰ 1455Z
will be there by Thursday

II 10,100 TD by tomorrow

⑥ Harry I working LMRP cap
- got to look at best option -

⑦ NO VOC'S offshore
weather is good - Cascade Lightering

⑧ Doug Dobert - Hurricane Planning → Hang out equipment

4 • issued press release on claims

4 • more skimming away from source moved 11 away from source

4 • Tomorrow is move to NO from operation

4 • President in region

6-11 BL

6-12 BL

6-13 BL

6-14 BLD

6-15 B

6/16/10

LMRP - 33psi - 0.7 → 2.5

• 24 hrs 10,448 25. MMSCF - 2 EVENTS FIRE EYE, LS

→ 34 choke

Q - 4000 - 9.51 pm - 1.00 a - Hydrocarbons

Both Flowing

14,800

17,600

2800 bbl/day

ENT 224/64 choke

Q - 4000 - 236° - 2131 psi - Boerner system - a bit irregularly
on pumps.

CL - DST on schedule 6/26 -

coflex 6/29

LC → CS - Lift frame Load tested

DOV panels installed

Flange connection → processes - will need an extra RIS

seal design selection I/W - SIT model

Systems equipment wish list → Adequate inventory

CDP 1 - Bon - manifold FT complete

- working LRA on WS - midweek

G 027 has later run out & risen

Flexibles → Loaded on Range 06:00 today

→ off shore transfer

HP 1 - Diesel tests complete - SC 85% complete

60% complete w/propeller

CDP 2 - AIZ cans → 1st & 5th July

DP II ^{Drilling Ahead} 15.226 - 23° = CP-15536

TD by late tonight

9/7/8 by Tuesday

DD II ⁰⁹⁷⁰⁰⁷ 9778 - ^{gas} sand stringer - 1340 units - 1500 units
1811 10,150 later today

6 | 23 | 10

- 4083 → signed ☒

- 4087 → signed ☒

08:15 - Enterprise General Alarm

- had flow out of DP / RISER Annular Vent
at surface S/D

08:30 - Enterprise move off location 75' west of
Location

6/24/10

① First Aids - Bit by a dock, OSI yard injury

② NOVOC's, Disp 10gpm @ 9891g/s subsea disp 0.5m

③ Ent @ 170°, 44hrs 5°, 89°F 186pm oil 25pm moth

one vent closed

18:30 → 19:00 → inspections F & good condition

10°

Vol 8329 19.4 mscf

8537 17.2 mscf new meter factor

16,866 bbls 36.7 mscf

Light discontinued @ 5:00 pm

on the Q - now the 3 phase meter & other oil meter
are more aligned

Q-4000 255° 69 hrs, 62°F & darks 96°F → Ready to install LDI's partners

HAZID
Clean Leaders - HAZOP Today

Capping Stack → w/ Discovery Inspiration ~~HAZOP~~

④ Pressure Testing on the riser is complete, Riser being dewatered

- 2000' of the area of the section pipe, Next step latch up w/ air gun

- then go

1200' cross over being JSM to CIP manifold over NPT 36 hrs

Now →

Activate sensors, Jwoos umbilical controls manifold

HPI ⇒ should be fixed 6/26 → start up possible on 6/27

⑤ DP II Complete Raising run should have results today ⇒

Rising down w/L

Next to 16400' do another raising run of hole

DP II

DP After that The Raising tool to be used in DP continue to show promise

good LOT

DP II 12.5 18.2, 10500' Drilling

1204'

⑥ Booming ⇒ new oil, Gulf Shores & Fort Pickens

⑦

6/24/10

① HSE - NO ISSUES, NO VOC'S

② SSDP 8 gpm < 15,000 total gallons, zero surface dirt

③ ENT: 170°, 114 hrs 5°, 85° 186pm, 2500 rpm, vent closed

most exposed - see the most

ENT = 7211 bbl/s	17.9	$\begin{array}{r} 17.9 \\ 9.3 \\ \hline 27.2 \end{array}$	SAW SLOTTED, LEAK GAS WIDE OPEN
Q = 4042 bbl/s	9.3		SAW 500 bbl/s RATE RED
11,261			

Both noticed a flux → IN RATE → SAW MORE GAS →

④ Q-4000 260° 65 hrs, 2 new fixed water monitors relative to has reduced the heat

⑤ CL ⇒ HAZID is I/W → ~~more~~ DP TRIM'S
CDP will not use the 3800 Jumper

⑥ Inspiration ⇒ ?? DP TRIM'S after CL

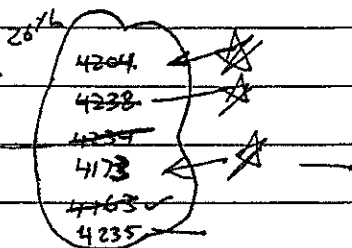
⑦ LMRP attachment, HAZID completed on capus stack
FINAL SIT IN BENCH on 28th June

⑧ CDP ⇒ Riser - Dewatering complete
splash AIR can w 3 hoses
1200' Fire Jumper 8:00 pm tonight

Achreuer - Flynn's Leads 1/2 WOC's Installation tonight & connecting

6/24/10

① HP-1 → departs



② TP ⇒ depart 26th

④ Relief wells

III ① Raising well 16,275 - presence of casing detected [→] ~~SPIT~~ not sure how far away
16,400 - next

II CP is 12041

★ still on track to use wireline tool after next raising tool operation run

⑫ Storm Track ⇒ looks to stay well south, not well organized

6/25/10

① 1 first aid, Laceration on Bon D/

② Deep Sea - 10 gpm no voc's

③ 85°, 114 hps, 5°, 90° - 18 bbl, 8 gpm, 1 vent closed.

Bon, 40' - 08:00 → Flex hose manifold - manifold

ENT - 24 hrs 15789 36.1 mm

Q - 7946 18.6

23,734, 54.7 mm SCF

} 24 hours of run time

Q up to 8,500 BBL/day

Plume → seems to have changed

Q-4000 228°, 69 hps, 62°F core T → 98°F dark T - w/ one fire

LPIS parking, procedure w/

CL DST equipment, N/A 2 ID I/V → still on track to be in field on 6/26

Send TRIMIS to complete repair

~~MAF~~

Cap Stack → Installation procedures

July 3rd For performing the bolt removal

6/25/10

CDP \Rightarrow Achimov, - 24 hr track

1200' jumper handed off manifold to manifold from CDP to Kill

1350'

West Serious \Rightarrow PSR - to ball grab, N₂ in can next 4 hrs - to depart

Casey Schreast \Rightarrow ???

DDII - 16,400 CBU = 9709' - visit of 1st down 2nd ranging run

- how far to run, ranging run 3 & 4 this weekend:

DDII 11487 = 34° N34E CP = 12038 - Latex 16 day

sm, DA Laps, me you \rightarrow

SALAZAR 08:00

• Meeting on options next Wednesday w/ White House.

• other people that need to be educated Carol Browner

• Joint presentation w/ BP/Tom Hunter/Marsha McNutt

• 30th just bringing the HP-1 on line \leftarrow

Chris, WFP, SALAZAR, Allen

Tom, Marsha

Steve, Zepher, Dave Lutz

Tom Harkins, Rod O'Connor

① 24 hrs 15,789, 36.1 mmscf

7996, 18.6 mmscf

23,734 54.7 mmscf

} ACCURACY OF METERS

② 10 gpm = per protocol

6/25/10

③ Build out of Perm Riser

Finished testing of Riser

Hooked up to section pipe

De-Ballast Air Can - Dis Pulls off

- hook up of the flexible = manifold to manifold starts today 36 hrs
- Bottom of riser to CDP manifold start later today - 36 hrs
- Glycol system
- Test system
- Monday start to hook up to HF-1

④ Relief Well

1st Rangings run - results - positive - has a max sensing range

70-80' → did detect the Macdonald well bore - good start

pulled tool out of hole, drilled to 16,400' - 2nd rangings run

tonight, WASUB tool - sensing tool → rangings tool

runs over weekend it is approximately where it was

move 200' at a time → slow dance goes on for about 1 week

Peer Review - do not short cut the process, make sure you understand

once you have found it - 13 rangings runs - 20 days of rangings

+ running pipe.

Scientist will provide a review of copper stack

~~11~~

6/25/10

GO/NOGO HP-1

• Construction

• Comm's → Function Test - Leak Test - ESD

16:30 Executive Meeting

① 0 Warnings, 0 VOC's ⇒ 2 first aids on Ben subs on hands, recording done

② SSDI 8:00 to now - 10 to 8 gpm - 0 VOC's - Autonomous SSDI

③ LMRPTH ⇒ 200°, 114 S°, 90°F 18 bpm 25 gpm MROT 1 VENT closed

ENT-12	7871	17.9	Optimization - ^{move} choke to choke w/s of handle
Q-4000	4231	9.6	upped to 500 bbl/s

12,102 bbl 27.5 mscf

④ Q 40°, 69 hps, lost pump + water contain, Fire Boat, back up box 4

⑤ Clear leaders → HAZOP complete
PST equipment started arriving - unloading HAZOP up

⑥ Aprs start procedures w/ inspiration - PR Audit, M.I. J/L

⑦ Flange cap = work continues - NASCAR TEST complete, have completed
tool selected

⑧ SIT - Tomorrow - Splitter - 6 5/8, we surprised that that pipe
was 800' above the stack 32#/ft the recovered piece of
riser showed two pieces of 6 5/8 and a smaller piece of pipe short joint.
There was not much stopping the falling of the drill pipe

⑨

Lowst & Tyren collection

AIR chambers filled, WS performing start off test
400 tons of buoyancy

1200 flux landed on JSM - next on CDP manifold

1350 ~~to~~ to site will extend schedule

Achilles - Relocate hot stab patch

clump weight is on site, waiting on Buoy

HP-1 \Rightarrow GO/NO GO meeting - 6pm tomorrow

will arrive when Buoy has finished

~~Procedures~~ ^{needed} Procedures - one V 4231 is critical 6:00 pm tonight
tonight

⑩

Relief wells III pulled out of hole - Range tool is on bottom

will run CBL - as well

Active range tool does work; however does not have

~~flat~~ a wide range \Rightarrow would be great good for only about

5' so may be able to get no

II

12038 @ CP CBU, full out, ^{HL} Run 16" C.S

connect by Sunday

⑪

TROPICAL #13 - more organized - area of supervision

will become T/S - likely to

5 to 8% chance it would go to Gulf
and impact Gulf

6/25/10

HP-1 GO/NO GO

- CROSS winch may defax
- bwd Flanges, isolation, & Leak Tests

6/26/10

0630 Executive Meeting

① Safety \Rightarrow NO INJURIES,

② SSDI 12540 gals - Ramped ~~up~~ 15 gpm w/Q down then back to 10 gpm

③ ENT 200° 114, 5°, 90°F 18 bpm 2 bpm, MRO 1 vent closed
Pressure X-tubers on #4 - coms bad - Blue pod removal on Tuesday
Relie

ENT 16,338 36.2 MMSCF optimize choke location

Q-4000 8210 18.2 MMSCF w/ 20 min S/D = Lift missing contact
w/ TSE

24,548 54.5 MMSCF

Q - 236° 65 67°F DWT 8°F w 1.3 pumps down

LDIS - parking pile - Boa subsea -

CL = Topides DST Configs continue - HAZOP - will finalize

Rig inspections - I/u

INSP RUSH INSPECT CAMP

Capping stack - Disc installation - SJT 28" Flt Joint connection
- Different tools
- July 3rd

6/26/10

CDP \Rightarrow ① Manifold connection problem = worked up a gasket

② Near misses

③ BSO - = I/W \rightarrow

HP-1 \Rightarrow Noonish \rightarrow to depart for field

RW \Rightarrow III 2nd ranges run ^{complete} left of center \Rightarrow

11 7/8 \Rightarrow looks like RD w/L preps to run in hole

drill one stand = next range run through DP

with WASOB

II 16" ^{today} casing run 12038 - cement tomorrow

TS Alex 40 mph - 8 m still tracking toward Mexico

winds & waves -

Q-4000 \Rightarrow 10-12' max be problem \Rightarrow

9:00 \Rightarrow hazid system total

6/26/10

08:00

SALAZAR



- ① HSE - 0 injuries OVOCS
- ② 8gpm \Rightarrow Dispersant
- ③ 24,548 bbls oil, 54.5 MMSCF = 20 min outage - fusible ^{loop} out

Tight footprint - snagged the fusible loop

- ④ Enterprise
- ⑤ Riser system - complete - FIRST IN GOM

Flexible - JSM - CDP manifolds - problems - issue needs to be worked

- may have to pull flexible

- ⑥ DDII - rangwa run complete, must analyze data, signal is stronger
getting closer - next step - run drill pipe - drill 90' &
do another rangwa run

DDII - running 16" casing; Cement tomorrow (Sunday)

- ⑦ T/S Alex WNW - over yesterday - after enters gulf will it impact
the Macanito - 8-12' seas are at the limits of both of the
Enterprise & Q-4000 for various - could be a pause in production
Tuesday & Wednesday could be bad weather days

4213

6 26 10

① - 0 INJURIES - no VOC's

② 8gpm = 7545 since midnight

③ 200° 114 5° 90° 186pm 25pm MEO₂ 1 vent open

12 hrs ENT 7576 bbls 18.5 MMSCF

9-4000 4075 bbls 9.8 MMSCF

Total 11,651 bbl 28.3 MMSCF

over 400,000 bbls collected

- Q - 4000 60°, 69 hrs, Installing HP pump
- CL h2op 17 hrs - Resolution - DST test kit installation I/M
- Inspiration marine audit complete
- capping stack - I/M

④ CDP = Trouble shoot 1200' - Row back on way down → needed full

pressure

Helix Express other Jumper 1350 by 5:00 tomorrow

Achiever -

may st

clump weight to be watered - okay

Buoy is on location

HP1 sail off ~~tomorrow~~ midnight tonight

very late night on the 29th of June

6 26 10

CDP 2 - PICTS - FINAL COMMENTS

on Sunday

- ship lower water soon

- mid July for CDP 2

DDIII - ranging well bore is too far away will drill another stand & perform

open hole ranging run - estimate is $\pm 55'$ away from meander well

still the well is to the left

II \Rightarrow RUNNIN, 16" casing - should be cemented tomorrow, drill out Monday

Active ranging while drilling - cannot go further any closer

than 4' = if not more the 4' - then not so useful

SPDR 65 mph - strength - Tues 20-25 knot winds - 8x10' seas

6	27	10
---	----	----

06:30 Executive Meeting

① ~~Shift~~ 2 production trips - 0 W Surveys

② 12654 gals @ 8 gpm - 3 gals surface

③ ENT 200° 114 hrs 5°, 80° 1866/min 2 spm RO - 1 vent closed

- S/D 20:04 - 22:27 - 2:23 fire eye on production skid
an Acetylene torch - hot work permit was issued w/out
an understanding of the functionality of fire eye.
- Pressure x-ducers ^{installed} 2 psi w/noise
- SIMOPS meetings w/ enterprise
- Mass is coming in for Light @ 06:00
- Fire eye.. get more clarity of Hot work procedures

ENT: 14,734 bb 33.4 m

Q 8024 19.5 m

Total 22758 52.9 mmscp

Q - 67° 69 hrs, 62°F, 98°F Temp deck

BoA - will install LD's parking pit

S/D on Q 04:35 metre previous attempt PSL, low on manifold

Back up on 04:46

C/L prep DST Equipment H2OP recom

6 27 10

- Capping ^{S/MK} 4254 approval needed Need 4372 → Approved last night

- Fix joint flange I/W
- Various SIT Tool Joints w/ capping stuck looked
- Flange splitting SIT continues
- GE mechanics of overshot continues
- SUM valves being installed

CDP ⇒

- ① 1200 flexible connected, will next depressure test @ 05:00 3 hrs
- ② BSO make up progress being made - SMOPS stand'd & Holiday
- ③ Achiever ⇒ relocate HSPP, re-route flying leads
- ④ HP 1 ⇒ will sail soon
- ⑤ Iron Horse, clump weight has had crane issues

Relief wells

III 16,525' MD - Did Run WASUB 40' +/-

Wyoming ASWB = getting 5 amp

II 16" casing being run, 5 joints left

Jeff T/S over function 40mph - WNW

6 27 10

08:00: SALAZAR Meeting

- someone from legal department wanted spelling of my name
-
- DISP 8gpm
- Enterprise - tripped a fire exes
- 24 hr 22,758 bbls Dil 54.9 MMSCF
- lightning today

III Relief well 40± of well bore MWT drills

II Cementing 16" casing

HAZOP 402 WL 2 10:00

4209 }
4211 }
4212 }
4213 }
4214 }

6 27 10

NO IM @ 106'S

① SSDI = 8 gpm contin - 7723 gals @ 4100 pm

② LMRP Collection -

200° 114 hrs 5° 90°F 136 pm 25 pm MRO 10000 lbs

mass continuous off loading → 3-4' swells

Blue Ad Procedure to UTC

Rates 12 hr = 2N 7938 18.4 mm

Q 4078 9.44 MSLT

12016 27.4 MMSCF

Q-4000 - 80° 69 hrs, Monitor and Fire monitor on Beam, Bat installing LDIS PARKING PILE
- independent relays on steam boiler

CL - marine inspections - from IS working procedure

Dasp = lifting inspection

~~###~~ LTC ⇒ 1200' flexible - failed first @ JSM ⇒ waiting on Box D/S

pull off connector → inspect - install new gasket

→ 1350' Jumper problems looking up at FSR - missing solutions

→ Achiever - no progress UPS hanging

→ overboard climb weight - Refueled

DP III Delay w/ Rinsing tool - 1 stand off bottom, $\pm 30'$

if successful then do another ramping run

DP II = 8 hrs of ris work \Rightarrow should be completed tonight

6	28	10
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① First Aid Q-4000 in galley, Electrical smoke on skandi

② Disp 11,558 gals @ 15 gpm w/ENT down \downarrow 12 gpm

③ ENT ramping up 200° 114 5° 90°F 18bpm 2gpm MEO 1 vent closed
xducer data capture ongoing

Lightening 65,000 bbls on mass, 16K left on ENT ramping.

ENT 16,277 bbls 37.4 MM

Q-4000 8178 18.8

24,455 56.2 MM gas rates easing up

Lessons Learned

Q-4000 155°, 69 hrs, 62°F, Hbl spot 98°F

LDIS parking pile installed

CL DST equipment all mobilized by June 30th

Vessel inspection

6 28 10

CA \Rightarrow 4254 - VAC - Flange Joint in Berick this morning

Flange splitting tools

Flange valve for July 3rd

CDP - JSM - CDP - flange work to hook up

Express \Rightarrow Riser to CDP manifold -

connection itself \Rightarrow landing jumper broke installation guide

UDB \Rightarrow wants to install

Buddy & clump weight install/rc

HP-1 will be fired by noon, hooking up @ QC/PC 15 issue

III - Rance Run # 16,525 = Prelim \Rightarrow 13' away

wasub tool,

want to go to 16,900 - 3 stands end of run should be parallel -

II \Rightarrow 16" cemented \Rightarrow

RWD \Rightarrow tools back to Lafayette \Rightarrow 9:00 meeting what they need to do

6	28	10
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Salazar 08:00

① ENT $\Rightarrow \Rightarrow$

Lighting \Rightarrow Mo

Sea state 6 days above $\rightarrow 4' \Rightarrow$

3rd range WSABIT RUN = successful $16 \pm 5'$

09:00 Meeting w/ SALAZAR

Documentation :: }

Verify The scope with BS / Alex

Steel cantenary riser

BS & Alex

Full list of su

6/28/10

- Definition of Structural Components considered as part of Atlantis @ the time of approval

{ Platform \Rightarrow } \rightarrow AS Built drawings as per 903
{ SCR \Rightarrow } \rightarrow

- difference between what is required to Platform Approval Program

16:30 Executive Meeting (DNV auditors Present)

① No injuries, no jobs

② SBDJ 8851 @ 8gpm

③ ENT: 220°F 114 5° 90° 18bpm, 25pmta 1 unit close

74388b/s, 11:30 a - = HAZID Bluepod - complete

12:00 - 11,072 b/s 25.6 MMSLF

ENT 7021

Q4000 4051

HP1 - had lesson's learned session

Q - 260° 65hps -

CL - Prepping to install DST Equipment - Marine & Drilling audits

6/28

Insp - prep for installation of Flange Joint

④ CDP =

1350 locked @ 12:00 noon

Laying to CDP manifold

1200 → W progress possibly 7:00 PM

- Pressure test tonight if all together

HP-1 ⇒ Holiday to change pull in head

Clump weight, remove - max 8-10' seas through 30th

problems w/ mass & polyester

Aluminum ⇒ hold on SIMOPS - needed for hydrate inhibition

HP-1 ⇒ Status 5M SW = Lock Removal Telemetry & calibration

? do we pick up & ~~back down~~ need to get Buoy & QCAP

TOISC PICTS ⇒ Captain says sail to avoid weather

DP Trials

FSR - CDP II - had 9/1 components in Fourchon

SNAFU \Rightarrow FUBAR

6/28/0

DD ~~III~~ II 16900, Pull out of hole for BOP test

will come at the way out of hole - will be
doing an open hole BOP test run - back to normal (H4)

16,525 $16 \pm 5'$ N 71° W $\pm 7^\circ$

17200 #5 run

17500 #6

APWD \Rightarrow Wyoming = Recommendation from Halliburton

TOOLS ON RIS by Thursday

DD II $14 \frac{3}{4}$ bha - ~~1000~~ ^{hole section to} LOT $\frac{1}{2}$ drill w/ $13 \frac{5}{8}$ $\rightarrow 13,873$
_{chase}

No new oil rigs in Louisiana, one new in Mississippi - 1 re-oiling in Alabama

6/28/0 SALAZAR

6/29/10

① No HSE

② 13,174 gals 85pm NO VOC's

③ 2" movement w/ sens 220°, 114, 5°, 89°F 18bpm 25pm M&I 10 vent closed
X-ducens =

Blue pod removal I/W

Total 23,400 bbls 542 mm \Rightarrow Heating clocks

ENT 15313 345

Q 8087 19.7

Q-4000 \rightarrow 245°, 69, 63°F, 95°F deck \rightarrow
deep well inspections

CL SS 363-24hrs, DST Equipment 30th June
3800 cofar, section 1112 vessel's inspection of

CS \rightarrow transition spool w/ 5° coupling stack
PT to 75 psi, Stackup's - Ship to Forecho

PJ splitting tool

LC \Rightarrow GE Vetro \Rightarrow OSI

6/29/10

④ CDP \Rightarrow 1200' riser unsuccessful installation

1350 layed to CDP MANIFOLD - switching cranes attempt later
achieve \Rightarrow

HP 2 \Rightarrow calibration of Telemetry

⑤ RW \Rightarrow DOTT 16900 - Tested BGR, Testing BOP's & Lr
pull out to RW range run #4

II 11750 drilling through hard cement, LOT @ noon

⑥ weather \Rightarrow Less significant than thought 7 to 8'

⑦ New Orleans \Rightarrow nothing weather impacting operations

~~⑧~~ 8:00 AM SALAZAR

① 0 VOC's, 0 WJWJ

② 7' secs

③ 23,400, 54.2 mmsec

④ Small movement of top hat

⑤ Riser system 1 = 1200' problem

1350 fix = latch & lander \Rightarrow \rightarrow CDP MANIFOLD

⑥ Clamp weaknt.

Relief III 16,900 \rightarrow BOP TEST \rightarrow will release in open hole

II 16" RW & Cemented - LOT

6	29	10
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① spike w VOC's olympic challenger 1 monitor 09:00

② SSDI \Rightarrow 8gpm 7718 gals since ~~4:00~~ Midnight

③ Ent. 6', 2-3 wch 190° 114 hrs 5° 86° 18 bpm 2gpm Meo₂ 1400psi

Blue pod - pre job meeting -

12,610 bbl oil 28.7 gals

8479 bbl

19.0 gals

4131

9.8 gals

} Both stable

meeting communication protocols

Flow system models

Q-4000 110° 65 hrs, Mexico Area, Cobi

CL - SS-

④ CDP = Helix express - 1350 - unsuccessful - 5100pm rigging up program
- PT \Rightarrow

BOA \Rightarrow Laying down 2nd ~~1st~~ end to 1200

Holiday \Rightarrow

Achieved S/D hook UDB w final condition

Iron horse Buoy / Clump weight 4 to 6'

HPI - Telemetry trends complete

6 | 29 | 10



CDP2 - TP to a safe area

back JULY 5th

DP III \Rightarrow BOP TEST \checkmark

ENGINS run I/W - finished by midnight

then drill add 300'

II \Rightarrow Retesting BSR

⑤ New Orleans

6/30/10

6:30 AM

① 0 safety, 0 VOC's

② SSPI - 6-6 → 11,618 gals - 8 gpm 0 outflow

③ ENT ⇒ 7 1/2 hrs → 160° 114 hrs, 5°, 86° 18 bpm 2 gpm MED, 1 vent closed
72 hours at X-duces complete install hard
Blue Pod ⇒ Friday??

1000

25,223 bbl/s

57.4

31+ bbl/s on board

17,027

37.9

Full tanks by monday

8196

19.5

Cascade

HP-1 Readiness I/w

Q-4000 260° 69 hrs, 68°F, 107°F dxr temp

CL → SS 363- 24T, DST equipment complete source

CS- SIT complete - install gauges -

FJ - Flange splitting - looks much better

6	30	10
---	----	----

④ CDP

- ① ~~Remaining~~ Remaining Connections
- ② Buoy & clamp weight, IRON ~~hose~~ hose rode out water ⇒ 4-6
- ③ MMS & USCG inspection
- ④ CDP 2 ⇒ staging I/W

⑤ RW

III - Range Run #4 ^{complete} ⇒ not analyzed

TRIPPING IN hole, drilling by this afternoon.

II

BSU, UB = RUNNING, LOT THIS afternoon

⑥ NO → Jones Act, Waiver

~~08:00~~ 08:00 SALAZAR

① 7 to 8' sens TOTALS

~~25,223~~ ~~1000~~ ~~33~~

② CDP ⇒ no progress

③ Capping stack

④ Relief well = 4th Range Run Drill to 17,200 ^{Range} → 17,500 ⇒
17,758

6 30 10

① HSE - O Safety O VOC's

② SSDI 8845 since 12-4pm vpped w/ 10.25pm
~~THE~~ Tor lat is moving - ~~at~~

③ LMRP 6-9' spns - 6" movement $\rightarrow 180^\circ$ 114/hrs 5° , 88°F 184pm - 25pm also 100/100 closer
2 Lightnings shut down
Finished blue pod demolition

12 hrs = 10,231 bb	24.5 mmsec	} 3000 bbls input
6085	15.2	
4146	9.8	

ENT Tested safety devices

OVERSOL CASADE IN FIELD seen

5:45-HP 7 start up motor



Q-400 150' 6 hrs motor on - cooling water

NO Boom droop - vent line droop

CL \Rightarrow SS 763, 24 hrs, closing out marine credit items

weather delay on dist equipment

Fire & sup equip procedure

INS SS 362-

BOP CS \Rightarrow completed C/S & IT - Shipping for Pearson

6 30 10

④ CDP \Rightarrow Flow hand change I/w

\Rightarrow work shop \Rightarrow plans

\Rightarrow clamp weight waiting on weather

⑤ III \Rightarrow 11 $\frac{7}{8}$ @ 16 900 27' \pm 3

400' 17,300 \Rightarrow inside

II LOT @ 16" shoe - drill ahead tonight

⑥ New Orleans \Rightarrow

⑦ USCG - 0 \rightarrow 24~

⑧

7 | 1 | 10

① NO VOC'S, 0 INJURIES

② SCDI - 6-6 13970 gals 7gpm - 0 outages
10' seas last night - High seas -

③ LMRD Cam

8' - 10 5-6" disp, 180° 114 hrs

All p/w for Blue pod - cylinder leak - has way to fix

23,079 53. MMSCF 509, K 1:19 TCF

21 79
230 79
8204
14875

14875 32.8

8204 19.4 gals

cascade is in fire on
Lighthouse tomorrow
Should have BOK

HP1 - says they can do 27K

Q-4000 251°, 69 hrs - Hot spot 101°F 1fw boat & 2 pumps
LDIS parking ^{COMPACT} file 451 B04

CL → good progress DST equipment
suction pile in Fouchon
3800' 4th July

HAZIOS

CS - Base in Fouchon today 06:00

FJ splits in Fouchon
other tools in Fouchon

7/1/10

Capping stack ready Tools & parts should be by July 3rd

Helix Express - Seaward tether on Row - cease ops.

New Rate I/w to Stab 1350

BoA - pull in hrod change out complete

- started ops on 1200'

Iron horse \Rightarrow continues to hold Buoy

TP = safe zone continues - Ready to sail on 7th July

Relief III. drill @ 17035 - surveys every 15'

Wells

plan 17,300 - make range #5,

Tools shipped, min 10' APWD - Tools on ris today

II. LOT 13.6 pps = vs 12.2 13,580'

New Orleans - 0 ops, Beach clean up

08:00

Weather - 0 - safety issue

Top hat is moving around

23,079 - 53.2 MMSCK

8204 8204

14875 14875

679

23079

Weather not to improve on Friday

Relief well, progress

17035 - 17300

Drill out of 9 7/8 in Mid July

HP 1 + STACK - ???

7/1/10

Mariner - suggested use depleted well

operated ENI Meeting to discuss
pipeline options

16:30

- ① safety OHSUOS O VOC'S -
- ② subsurface Disposal 69pm runs out @ 10:00 pm tonight ^{Approved BSP -}
- ③ 6-8' seas - 3/5 inches north + 180° 1/4 hrs
leak in deenergized pod (blue)
* 12 hrs

11,485 oil → 28.5 gas

7400 → 18.7

Lighters Tomorrow -

4085 → 9.7 m

75000 bbl/s

54264 G of noon →

meeting w/ HP-2, Loch Rannoch in fields

Q - 115,69 hrs - cooling water

CL 65-363, 24 hrs - HAZOPS / HAZIDS

Waiting on W

INT - 24 hour T

CS - Due in tomorrow Tonight

F&J Jacking on 013, Assembly prep for use

7	1	10
---	---	----

④ CDP - Express - 1350 Jumper - } Relater @ midnight
 challenger - 2nd down line } Everyone in room
 Pressure test

- 12001 - BOA - repairing ROV's will pick up end
 as soon - as 06:00 tomorrow

Ben will do pressure test

- Iron Horse - Holds Buoy for HP - QC/PC weather

- Achille waiting on shops

- Holiday on standby

Planning for Riser cap2 - at

⑤ Rel

III 17177 surveys every 15' → 17300 +

II 13093 13 5/8 13873

⑥ New Orleans - Approval on SSPI

⑦

7/2/10

① 0 safety, 0 JOC's

② GSDI - 6,6 10,117 gals Began, 0 outages Veritas

③ ENT \Rightarrow $\pm 6'' \Rightarrow$ Swells, 180°, 114 hrs, Paint Removal I/O

24 hrs 25,154 57.1 mm

16,918 37.7

8236 19.4 24 hour run time

Cascade today

$\approx 82,000$ bbls

HP 1 Start up - set LVR

④ Q - 261° - 69 hrs - Liquid corex over at flare

Daily \Rightarrow off-line proving metres daily

DST equipment

⑤ Capping stack equipment all off shore by tomorrow

⑥ CDP \Rightarrow ① 1350 flowline goose-neck above manifold
hanging ca 10° pitch 10° Roll 2 live on it
moving 2 point laterally - post connection test

② BGA 1200 work cannot start until lightering complete

③ H2O horse work I/O

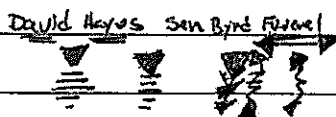
② III 17,446 \Rightarrow ^{shore} 11 7/8, Range Run #5 \Rightarrow disc between gro \rightarrow

17,600 \Rightarrow Range Run #6

IV 13 5/8 over the weekend \rightarrow will drill 11 7/8 hole section

⑧ Weather \Rightarrow next 24 hours may see weather

SALAZAR 08:00



① Sawtooth high 7' gas \Rightarrow Top hat is moving, 0 safety issue

good run = 25154, 57.1 mscf 16918 BOP, 8236 Q

② Waiting on weather = 2 flexibles down to CDP $\frac{E}{K}$

③ Relief well - drilled to 17446

08:30 Gov \rightarrow meeting.

* A whale \Rightarrow super tanker - skimmer in gulf.

Hayley Benson \rightarrow Mississippi says support is much better

7/2/10

① Safety - 0 INJURIES - 0 VOC'S

② SSDI 7582 gals Bgpm Outage 17 mins

③ Ent: 300° - 330°, 114 hrs. Hookup Hose on Blue pd
Flex Joint backing joints, pump in

100%

12 hrs 12824 28.6 mscf

8666 - 18.8

4146 - 9.8

72,891 bbls

Q- 270°F, 69 hrs Manica Ann flame Boom coil

CL SS 363 > 24 hrs → DST unload

431 - 432 3800 delayed 6th July

BoPE ⇒ CS - verified command

DS - Crippins loaded 2nd July

FS/ST/NOVOS/ in function

FSRS positive SIT 4th July

LC - GE & OSI

SSM - 6th July

Cons ⇒ WIFI Allow video

7/2/10

④ CDP 1 - 1350 hook up I/W express c'

18:00pm to make a decision

BDA - DOV work complete - ready for 1200'

CS - Clump weight work I/W

CDP 2 → Air con Sunday - worst spiders

⑤ III Range Run #5 trip Nov

drilling Late AM Saturday

Drill to 17600 Salin

ARWD ⇒ was setter ⇒ comp to wasub

Save 2 1/2 days Loose 4 days ⇒

technology put together for CDP

II

safety incident, slings struck in mouth engine

13871 135/0 CP CBU - run casing tonight

⑥ nothing ⇒

7/3/10

Executive Meeting

① INJURY, VOC'S - ENT, O13

② SSDI 11,600 gals, 10 gpm

③ LMRP

• 1 1/2 move 140°F, 114, 4° →

Prework Blue pod will pull Blue pod

* Need person

* Jacks for flex joint worked

Cascade is being hooked up by 10:30a-

Total	25291	56.9	<u>81,422 bbls</u>
ENT	16992	37.4	L-sherfing
Q	8299	19.5	w/ cascade ⇒

hopeful

~~###~~ Q - sta 261°, 69 hrs 95°F back off load

CLINSP ⇒ SS 363 - PT ⇒ WL #311, 4317

~~###~~ Suction pile w function, BOP

capping stack - in SS 362, NOV over shot

7310

④ CDP

- ① Helix = BSO connection complete \Rightarrow pressure @ 4600 psi good
- ② ops note for 1200' I/A \rightarrow Lightering
- ③ I/A Tether, Clump weight Adjusted

CDP \Rightarrow

Relief wells

III Damage Done #5 complete, Drilling 17,525, later today

II ?

IC \Rightarrow #18 work

#16 rendered over vessel

New Orleans \Rightarrow

08:00 SALAZAR Meeting

⑧ 1 connection on 1200'

⑨ Flex Riser & Hookup w/ 48 hours

July 5th = 7th or 8th for HR

⑩ 17525' \rightarrow 17600' 6th casing run
17600 - 17814
200ppm, 1 WJury Supply Boat

① Sea state 5's as 15 knots, some VOC's

garbage man hit in mouth

② 25,291 \rightarrow 56,944 MMSCF \Rightarrow

③ LMRP \rightarrow pre-work ~~time~~ Blue Pod pulled to surface to happen today

④ Jacking on Flex Joint \Rightarrow worked ~~the~~ moved 5° to 4° \rightarrow now to go 4° \rightarrow 2°

⑤ Riser system 1250' Flexible connected @ 9:30 pm w/ Pressure manifold

⑥ Lightering hookup in work impressive

⑦ Clump weight work complete

7 3 10

SST Back 1

① Install mattress - usually not available

Alex Alvarado

04:30

① Q-4000 \Rightarrow sprained ankle \Rightarrow July 29th \Rightarrow Bremer control house
~~②~~ VOC layed down @ 04:00

② SSDI = 8gpm 30min outage 8613gals mid to 4

③ LMRP 140', 114, 6-8' 20k+ 16 SL Tank tops Monday morning AM
TOTAL 12036 28.3

ENT 7980 18.8

Q 4056 9.6

1/2 hr
9:45 2.5 K due to heading
Full rate in 4 mins

Q 90° 69hrs Monica AND and to boom

Yellow pod increase of hydraulics used, may have a lot

CL 366, 24 hrs = DST eq off load equip, 5th July next DST

7/3/10

-RW
-Alex

SS-362 imp - 24 hrs Pline ris on MC 462

CS - Review engineering - Primary option
11425411 Needed

Will start Hex Joint Jack after Blue pad

④ CDP \Rightarrow -1350 PT \Rightarrow good

-1200 lwe BOA ready for pickup

Q/QPC BUOY \Rightarrow HP1 due to pickup @ 06:00 pm

4236 VAC with USCG in VAC

IWOCS \Rightarrow I/W

CDP 2 = suction pile Lowers I/W

2nd air on on site 2100

⑤ RW

III 5th Range ^{WV} 17439 \approx 22' - 2080

Drilled to 17630 - Range run #6 I/W

Will drill to 17720 - for range run #7

Total of 10 which will get you to 17784
CP off

(7/19)

II Running 13 5/8 casing \Rightarrow cementing tomorrow

⑥

7/4/10

① HSE - 1st aid, DDIII - 1 VOC Toppm skandi

② SSDI - 6:00-6:00^{pm} 10189 gals 3artgers - B9pm

③ 140°, 5-7' 2-3" disp 114hrs 2°-0.3° roll install saddle blocks

Blue Pod retrieved & in moon pool Duct ops

Flx joint jacking everything is vertically aligned w/ BOP's



need to install saddle blocks

	25,198	57.0 m	98,861 bbl/s - 102+ ^{now}
ENT	17,022	37.7	may have to reduce rates!
Q	8176	<u>19.3</u>	

Q- 85°, 69hrs,

CL = DST continues - completed procedure for pre start up

CS- DI ⇒ inventory on Board on way MC 462
4254

FJFL = splitting tool on way to OI3

Saddle blocks - leaving Fairview tow Ay - 4226

SUM = All mobs SIT -

7/4/10

④ CDP1 - started - 1200' props visual survey looks good, vis log rate

- Achieved 1 WACS - Flying birds Box & Hot Skids, displaced

- HP-1 set to go → 7:00 to look at weather 4236

- Helix Express -

CDP2 - completed install marker Buoy

⑤ RW

III BIR #6 complete 17623 $13.57 \pm 3^\circ$ $208.38 \pm 7^\circ$

Drill Alert 17700 = Range #17750

II Run 13 5/8 casing 10200 laid out today - cement

Drilling out on Wednesday

⑥ WW Closes on Tuesday

4236 - ASAP 4254

⑦ No Skimming or Bunking - NO NEW OILINGS

Na Kika

7	4	10
---	---	----

08:00 SALAZR

HAYS, SALAZAR, Marsha, TOM Strickland

- IUC

- Sonstac - high swells

- O-Lighting

- Blue Pod retrieved - twin derrick - Discover hydrocarbons & retrieve pod

- Jacking of the flex joint FS & BOR are aligned & allows xon to put 3 run stack

- Relief well \Rightarrow Rangeview

- Admiralty Allen Press conference "Tuesday"

7/10/10

HSE - 1 - Heat stress, 1 cut, No VOC's → Plume SE of DP III

quite a few stimulators - ~~12/11~~

SSDP ⇒ 12 gpm

CNT outside south corner

9:57 a - due to high pressure on tubes

Cascade off Hanger ⇒

13:35 p ⇒ Top hot pulled - lightning will

12 hr 11,137 25.4 mm SLF

7096 15.7 gss

4041 9.7 mm SLF

HP1 - Toppers have been handed over ⇒

Start up first Light!

Q-4000 110°, 69 hr

Ch = SS-363 PST 80% complete

AFC = 65% complete

IHSP - due north 4500' ⇒ Running in w/ overshot

CS - 1 plumbers plus removed - de-burrs one BOLT

- Tools still being lowered - BOLT removed

LC - GE - making up final assembly

EDP-1 ⇒ c3 Flying lead, SS is done ⇒ Flushing ~~being~~ done

⇒ HP-1 = Flange Test, minstest ↑ ★ OFFICIAL P/L

DOT #10 - RN complete

#11 RR tomorrow

DOT ??

7/11/10

① HSE \Rightarrow 1st Aids - new w/ Fire gear, Skandi \Rightarrow soap Bore, Finger protection, Achroiz, hammer cut lip

NO VOC'S = overnight = SE oil DP III no SD

② SSDI 12 gpm 6-6 14,472 gal/s 133 min outage

③ ENT 700m north 10 knots 50° 3' Hot water pump #10 will be at depth
cleaning out apparatus

15,200 35.2 mm

10 Am CPT 70% 15.7 mm

24.6m 8103 19.5 mm

51,781 bbl/s as of mid

x from OS cascade

HP-1 waiting on Handovers

9-4000 study production

CL - DST 85% complete 1302m monkey inspection

Inspr - safe zone recovering Flores

23:40 bolts removed

00:30 cleaning

00:30 Flores O/S

01:50

02:20 over slot \Rightarrow 02:45 - no damage

BoA O/S \Rightarrow will be attempting to pull stubbs \Rightarrow one stub pulled

7/11/10

- only saw one piece of pipe

? 4 pieces? choke, kill, hydraulic

? what is looking up?

CDP 1 \equiv Valve Positioning - minor changes to drawings

\Rightarrow Noon for HP-1

\Rightarrow Flying Leads Repair } Lock Ramrod

CDP 2 = West Sides = Tested 7125

=

RW = #10 RL complete = $6.1' + 1.5' - 1.0' = 6.6'$ $148^\circ \pm 7^\circ$ 2.5° inclination

17,799 \Rightarrow Running tonight

Running in to drill to 17,840 may drill to casing point

Wednesday night @ depth \Rightarrow Run in

11 7/8 lower in hole on Bottom wired pipe change out

Jeff = gulf chart, can't see well #20 off Africa, 17th ^{good}
18th 1st off ~~17th~~

NO \Rightarrow skimmers \Rightarrow test. 11 burns 85 hrs Rithous @ same

no - New impacts

7/11/10

SALAZAR Meeting

• growing # of First Aids — VOC'S — Weather Forecast good until 17th

• Flange removed, Pipe stubs removed, survey work to be done
will use the plumb line — lasers

4:30

- ① • HSE \Rightarrow 0 VOC's,
• SSDI \Rightarrow 12 gpm —

- ② 12 hour \Rightarrow Q-1 4038, 9.8 MMSLF 100% run in —
Enterprise began listening
HP-1 \Rightarrow FSHR value \Rightarrow will be locked open by 6:00 pm \rightarrow 10:00 pm
ops time \Rightarrow

- ③ ENT North of LHRP = 260° H Bkt 2's — Listening
95% complete repair 'reset' of First gear

Q 4000 210 — 69 hrs EV Spans

CL SS-363 — DST R is up.

FNSP = Flange removed, splashed BOP 12 hour 1/2 hr schedule

- Pilled 3 bearing sleeves
- 25:00 PJ Assembly \Rightarrow Landed \Rightarrow Bolts being torqued

7/11/10

CDP1 \Rightarrow HP-1 - Value resolve 6:10

CDP2 =

DP11 drilled 17840m pull up to shoe, will conduct
WASOB run #11 \Rightarrow may have to make gas/vn
run in open

DP11 Lower selfing depth Ready to set pipe.

VAC \Rightarrow Still 25,500 bbls oil recovered
15 burns for 11 hours

Water same story

4242 WIT } between 4 & 5% today
4264 }

Pendongat 504-799-9845

7/12/10

DVD 'TRANS OCEAN'

06:30 Executive Meeting

① HSE - 0 injuries, 0 VOC's

② SSDI - 15,827 gal/s \Rightarrow 12 gpm

③ Tom \Rightarrow

Q - 24 hrs 8235 bbls 19.5 MMSCF

ENT - WOP \Rightarrow 38,000

HP-1 \Rightarrow open lock, valve, hot stop track, 11:00 pm

11:00

Q-4000 \rightarrow

CL ENT - Equipment 95% complete

ENT \Rightarrow winding dehydrator LWRP 260°, skid 2-4', 95 hrs T-11 hr

~~4400~~ TROP \Rightarrow 4700' \Rightarrow go No go \Rightarrow Subsea alternative

less glycol available to the connection

Capping stack \Rightarrow Torque complete @ 01:30 - mud Boost

116°F, TROP = 41°F bottom \Rightarrow

DF = Flat Joint Restraint 1.56° pitch 1.27° roll

• - GEOSI \Rightarrow 18th JULY

CDP \Rightarrow

CDP? \Rightarrow West SIALS =

III 17840 @ RD WASUB

4.4' \Rightarrow will run drill pipe

Gyro, Tuesday, wed ORR CP & there

ORR Friday

18874 LWRP SET

7/12/10

SALAZAR Meeting $\hat{L} \Rightarrow \hat{L}'$

- 0 IWOCs, 0UOCs ~ good workers -
- TH #7 & 8 for storage
- SC @ depth
- IWOCs - at depth - Row system to perform EDC re-align day crew

10:30 - 12:00 \Rightarrow

- seismic run after CS

- HP-1, Kill line within the next 1 hour, arrival time is 1 hour

Probably

CDP 2
 $\hat{L} \Rightarrow \hat{L}'$

DDIII on #11

7/12/10

① HSE \Rightarrow 10th = COOK burned, CRANE \Rightarrow \Rightarrow 0 VOC's

② SSDI = 12gpm 0000 - sun

③ 12 4055 9.5 M M S C F

HP1 = 11:35 am, 21% choke nitrogen ended

1580 v, 516 # 4/5

• Smith trip RND L/C

④ ENT \Rightarrow 1000 m OL Del LMP, Flare up 12/1/10

⑤ 9-400 willowest sup, pressure 500"

⑥ DST / \sim 95% complete

⑦ Insp = rising up hoses \Rightarrow may be running out of window

for - 500 m.
4 to 6 hours after sunrise to sunset

CDPI • Near miss from crane

OPM

CDPI

DO III Tripped, MV BHA w/ msd v/



7/13/10

① 0 incidents, 0 VOC's

② SCDI 12gpm intake 3 1/2 hours
14,038 gals \Rightarrow 14105 gals

③ 24 hrs

	83	18.7 mm
Q	7291 o/l	17.0 mm
4:35 HP-1	1011 bbls	1.7 mm SLF
	8362 bbls	18.7

HP-1 5:20pm spot 12,500 bbls 62% CK
142° F v/s
1559 v/s
567 d/s midnight

ENT \Rightarrow 05:00 270° F 11 knots 1932 N, TIME 80 hrs
Topside; Turn around slope
TH #7 @ depth

Q - steady 700° 65 hps T

CL - SS 363 24 hrs 90° DST 95%
IWOCS

CS - landed \Rightarrow IWOCS 215 2700' N/W will move 5000

18:20 19:00 OP H4 2030 disconnected

compact inclination \Rightarrow 2.2° @ FJ 25A

7/13/10

WIT prep \Rightarrow Full 360° insp = FJ incl

Temp 44°F

All gauges installed All good data equipment

1/25 gals mixed out, seismic I/w scan

LC \Rightarrow veto Grey I/w

CDP I = HP-1

CDP II \Rightarrow WS Holiday 6" Flexible

Distal finished in 3 days

III SURVEY DATA (6/20, 6/21) \Rightarrow prep for BOP TEST

Run casing on Sunday getting AZMITC & instruction

may run - next drill to casing point

II OFFSHORE DISC, LD DRILL PIPE, PREP TO

WRT-12 bump this weekend so may bump weather

21# max go north

VAC \Rightarrow O-burns, low impacts on shore

TEXAS 35 gals Turbels

Bump up

7 13 10

SALAZAR Meeting

HSE → Leg pains on holiday - O VOC'S - Good weather?

Containment HP-7 Rate 12,500 bbl/s

Q → 8302 18.7

WIT → Seismic → w/ 1/2 around noon
6 hour window

DW III → Angle / Gyro checks inclination

16:30 Executive Meeting

- Safety = OVOC - 0 safety
- SSDI 9pm 9718
- EDC 12 hrs = 7976 14.5 MMSCF
Q 3886 9.7 MMSCF

HLI/S 9:20 TRIP HP-4090 4.8 MMSCF 50% Low?

LP WLET 2:30 TRIP * Lining 2nd
* Procedures in place

Richard

All Sesi in place

C/L Disrupt I/w

All ROWS in place

ISLP move to Block 378

Prep to 9190 outlets →

DWI = C/L Wednesday

Wait for permission to shut-in

ENT on standby,

7/13/10

CDP1

CDP2 ~ TP @ 17th

FSR @ Hand off tie off to SP on Friday

Flexible on 17th CDP2 = ~24th July

RW, DDI BOP Testing @ Run back into hole - as precaution

DDI Lay down drill pipe

Doog @ 0

Weather??

7 | 14 | 10

① HSE - OVO's,

② 24 hrs 17,063 42.2 MMSCF
7,887 19.5 MMSCF
9,176 22.7 MMSCF EST

2nd Train, 12k per day so psi above ambient

③ ENT 1932 North, 190°, 4Kts, 84 hrs Time, H2S Alarm 14/50
TH T set up for ^{gas fr} will use VX Gasket
Q-4000, 69 hrs T-Time

CL ⇒ DNV Today, BOPM tomorrow

Insp ⇒ 6000' West, denobe

④ CDP1 ⇒ OK

DDP2 ⇒ WCHHE 6" flexible hardware, upper valve assembly
Pressure testing

⑤ DW

III BOP test complete, azimuth, ^{positivity} done, GYRO, I/W

II ma 9 7/8"

7/14/10

⑥ INT - weather ok

⑦ Not a lot of oil on water

⑧ skinned 10k bbls, Burning did occur, new ~~more~~ oil in

24 hour Delay, WIT, meeting w/ National Science Team

08:00 SALAZAR

① 2/3' of seas

② 94000 - 7887

HP -

17,803

③ BOP Test, Gyro, R/S ability, Delay of 24 hours

④ Sealing cap

10:00 Chew/EXXON/SHELL

① Leak out of 22" casing

② 18" shoe

③ LOP Integrity

Exxon Mobil — 8819 \Rightarrow SHP w/ 13 ppg

BP inhibits
 \leftarrow comes to 22" shoe

- Agree on calcs - maybe leaking off of 18" shoe
- Assume 16" ID compromised w/ Annulus seal
if you have 6500 psi
- Vello 22" \Rightarrow 6300
18" \Rightarrow

Worried about Baffle settling

12:00 → BP/ST/

Bill Shedd

7/14/10

- Science Team

AT 6 Hours

- No sea floor propagation
- Pressure flatline on building
- ROV monitoring w/ sonar
- Temperature monitoring
- Seismic vessel brack
- 2 ROV's

7 | 15 | 10

SALAZAR = 08:00

WIT = Gasket in leaking hub changed

Q&AP-1 23,000 bbls/day

Gyro RUN Good 1.94° 4.9' away

SCIENCE TEAM MEETING

ACTIONS FROM Science

- seismic survey ASAP (DAYLIGHT hours)
- Need Sonar information
- Switch to collection
- Pressure Analysis

Science Team wants to
shut in the test &
start to collect
from the AP-1

* Bryan * must consider what effect you will have on the relief well.

8:15 → Meeting w/ BP Executives Regard TSP Executives

^{PowerPoint}
10:15 → 3-5 page presentation by ST to BP by

TEAM 1 • What is credible flow out of well Data w/ large or
small ~~shut~~ leak down @ 13" shot

TEAM 2 • Are depletion Assumptions credible ??

TEAM 3 • What is the Validity of the seismic 12-20 + Low end
What confidence

TEAM 4 • V/S: SE is it reversible & can be changed

7/16/10

Pieces with coordinates of MC-252 from
Georeference of the seafloor

Shallow hazards } — * —> ^{Bill} sheds
Reservoir Depletion } — * —>

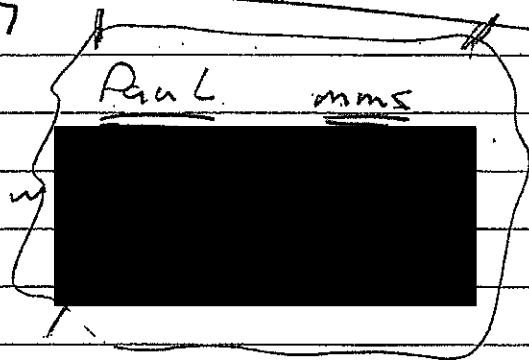
Alex Alvarado: =>

202-287-6677

7/16/10 12:30

Credible Flow Estimate:

650-996-2556



Gerald
Crawford

7/16/10

Expectations of 8:00 pm 7/16/10

- update on ROV visual ^{isobaric} observations
- update on status of seismic Evaluation ^{for seismic}
- update on status of future seismic Evaluations ^{Improved Process}
- ^{update of} Pressure & Temperature ~~updates~~ trend data ^{P-T-E-S modeling}
- ~~various~~ ^{or} model updates
- ~~update~~
 - Procedures for opening up well & returning to containment if necessary

Expectations for 2:00 a.m. 7/18/10

- update ~~at~~ of 02:00
 - update of ROV visual & Sonar Evaluations
 - update of ~~pressure & temperature trend data~~

7/17/10

06:30

HSE - 1 First aid

CDP \Rightarrow TORSI Piers I/W

Section pile I/W

FSR #2 is ~~still~~ steady & free standing

Relief wells

#12 comp 4.8' + 1.2 S 21.7 W $\pm 7^\circ$

3 1.9° incline RTH Drill 24' 17864 is optimal

Drill today. Piers Run Sunday \rightarrow RTH #13

DDI POH CBL, main, wired pipe

IMT - weather ^{TS} 22 in a high state

SESMIC Ready to go, vessels Beins Ready to go early

All simops disrupted

Nowma \Rightarrow no new impacts, Spill area shrink ~~to~~ by 300 mi²

7/17/10

~~08:00~~

07:30 SALAZAR

① Safety 1st Aid Deep Sea, NO VOC's

② Weather #22 show some circulation, possible
FIRST Hurricane

③ Relief well DR#12 1.9° incline 4.8' away +1.2
2IH, DA = 24 17864' DR#13 tonight, BSR
RUNNING 9 7/8 casing Tuesday

④ WIT • Continues to rise 6745 psi 143 psi since start of SI
• seismic processing done overnight no anomalies

• ATS = no anomalies

• 36 ⇒ gas bubbles coming up ⇒ nitro off of cement when
cementing ⇒ DO II DO III, sample of gas
as you cool down

• 2 seismic runs, QC data,

207

SDV 586-500U

7/26/10

Science Team Meeting

78% N₂ w air

11:00 am

OK to continue for 24 hours

16:30 Executive meeting

① Safety - 0 injuries, good air quality

② Monitors \Rightarrow 6523 psi Δ 14 psi

32.76°

Bischoff's reports

Samuel back up all 4 guards

Geopline

bubbles

800 ~~liters~~ /min

Sample I/W tomorrow 2 runs tomorrow

HP1 - hooked up

- achieving, lost DP capability, system befragged
computers "How can this be"

TORSA Press All systems turned over

③ III LMRP latched up /

IV RUNNING RISER

7/26/10

④ 2900 flexible good to go

⑤ C/L waiting on orders

BUT TH #8 IS at depth, 70% percent of BDN

⑥ 94000, unloaded drill pipe

6:50 am, yellow fog kicked, 'Functioned fog'

Static kill run \Rightarrow mob offshore

4609, 4608, 4611

⑦ overflight, looks good, amazing clear blue water

light oiling in Louisiana

missing person, USCG, 1st P investigation

⑧ no bad weather

⑨

7/27/10

06:30 Executive meetings

① Safety - 0 injuries

- Near miss C/L hammer near miss

- HOS Achrever - Drifted off 375' → level

of communication during this incident - DP traces

No Air quality issues

② - P ↑ .5psi/hr 6928

- AC, Temp NOAA 40°F

Gro on Bottom - downloaded today

- bubbles same

- connect 700 bbls/hr

- 100% coverage w/ sonar

- 2 Seismic lines this morning

- TOPH 2 1st

- PICS 2nd

③ O/S Business ⇒

HPI PT Riser 1000psi

LR Aug 1

OSC Aug 1

visors - NF

7/27/10

- ④ DDIT - TESTING BOF'S
- Next 2 RTTS
 - next clear out bottles
 - RUN casing by

II = Dison Run
Prepares to Lockup

- ⑤ 2900 Ready to go exp, 130a, Holiday = waiting on Simops
- UDP down to Hot slab

CLL \Rightarrow All DST procedures Approved

ENT = #8 on bottom, everything's good to go

Static kill \Rightarrow Q-4000 - used d/p backloaded, new d/p being unloaded

~~Static kill~~ static kill equipment being loaded \Rightarrow

- ⑥ Unified Command \Rightarrow Sit maps \Rightarrow continue to shrink
- 0 stem of oil
 - small tar balls

- ⑦ Weather 0 Tropical Alert 7 days

⑧

7/27/10

SALAZAR

Tom Hester

missy owens

ADM Kevin Little

Steve Chu

222

- HSE \Rightarrow Achiever LOS - 375' - weather no tropical

Threats

- 2 seismic runs 6928 $\frac{1}{2}$ psi/hour
- Stock inspection good
- Temp 5.0H
- Acoustic

III RISER latched, BOP testing will pull stem packer

I Q-4000 - prepping for static kill

HP-1 - ready for hydrocarbon

C/L & INT ready to go

7/27/10

1-866-506-4685

LADS, Mike P, Mike S, Troy T, Dave Troquet

• STATIC Kill

- Is well done after static kill
- Does static kill follow the curves NO - NO COMMENT
- IF mud goes down annulus & casing NO - NO COMMENT
- DOWN Annulus only maybe not, ???

OK to re-write procedure to eliminate
to cement annulus only

- Procedure \Rightarrow modify Annulus Decision Tree }
 - Blow up Schematic

Science Team Meeting

7-27-10

① UAC = Lower SP. - USCG - struck by drage
- barge \rightarrow indep cedera - 1 skimming vessel
- well own by cedera

Executive Meeting 16:30

① 0 W surges, NO air quality - supply boat drifted, 18' \rightarrow busted water hose

② 6933. 10psi 24 hrs, 40.2 °F Acoustic Active, 200 sample H/L 4 gradient/
geophone to be pulled,

③ H/L pressure test I/W up to 6000#, C/L ready, ENT ready

④ CSP = readiness for 2000

⑤ DRILL - 1275 released 300psi, bleed 1661 300, circulating out

II - displacing piston w/ mud

⑥ LDIS spaced 2000 w/ unbilled - 4611, cementing -

7/28/10

- ① 0 WJ200s, 0 AIR quality
- ② 6937 ↑ Acust, Temp 41°F, Graphone Tripped g/mast on both
Full Visual, no new issues, video clips bubbles
R200 sensor very good, zero seismic planned for today
- ③ HPI Topside ready, Achiever DP TRIS complete
- ④ III CRU - POH TRIS Remove I/W R/I/T 10
BTH ⇒ Right casing tomorrow

II Test Bop's

⑤ CDP = Readiness for 2900' ⇒

⑥ C/L Ready, ENT Ready

Q-4000 - LDIS ready to test, LARA to LRA2
megawater to Base oil
Blue dolphin, Hos centerline

⑦ 1:00 am oil Abandoned well in Bahr 200, By →

Hovma ICP = Individual loss away from AA

DAY 100 ⇒ 11 people

13 days since last oil ⇒

⑧ Weather ⇒ weak waves

7/28/10

SALAZAR

- ① NO HSE, weather okay, wave height, WIT NO anomalies 6937
- ② Relief well, mud circulation → need to run to bottom
- ③ static kill, PT 0-4000,
- ④ HP1 ready for ops

7/28/10

Science Call

16:30 Executive meeting

- ① Two first aids BOA, & DDIII O A12 quality
- ② 6942 PSI + 9PSI, 4027 CF, Acoustic Active, ROV sensor active,
NOAA piers departure fields → some increase in weep from base
of capping stack
HOS Achiever hook up of JWDs tomorrow
HP1 ready to do flush,
- ③ II DTS recovered 15,936 WCB + 16,324 CRU → RTH to 17864
tonight & get rigged up to run casing.

II Tested BOP's pulling DTS

④ CDP → Ready to go →

⑤ C/L ready in 53362

⑥ static kill, for Riser & LWS 5000 PSI BS BP? Centaline
4609, 4608, 4611 DTS recovered per BOEM 3/11/2010

⑦ Quot 300 bbls skinned, → NO new oiliness → → weather still good

7/29/10

- ① 0 injuries, no incidents, no VOC's, several vessel incidents
Hos Achiever - software

DDII

- ② Full monitoring:

6951 psi \downarrow 0.5 psi/hr

Δ Ch = 0 gmonol/hr

40.7°F

Geo data up

No change in bubbles @ the same flange
add to anomalous new bubble @ flange

BOP = no visual changes

scrubed sensor 100%

CT / Bubbles Test successful

NOAA Pisces departed field

Topaz Nikella seismic today

- ③ HPI Topsides ready for recovery

Fluids from Q-4000

Crane repairs I/W

7/29/10

- ④ W&R 17,864, CBV → Rissins of for 9 7/8
Casing in ground by tomorrow, cement set &
Sunday

II Layed down RPTS, Running back in hole

CPT

- ⑤ Ready to set 2900' ⇒ warranty takes

- ⑥ C/L SS-363 - Ready

ENT TH 8 @ depth BOP/LMRP 6th Aug ready
Revised BHA on top hat #4

Static Kill → LALS PT, Rig up frac head PT I/W hel
locks on cement unit, Lock on flowhead, new frac head
in route, ITS BD & Hos Centralize R's up
Need to displace to base oil,

- ⑦ VAC ⇒ water is good, boom collection I/W → working on transition
I/W → Fishing grounds waiting on NOAA, Federal waters
off Florida open, no others
no new oiling in 2 weeks → Alabama Rishon cutting cement

- ⑧ Weather - no tropical events in next 7 days.

7/29/10

SALAZAR Meeting 08:00

- HSE \Rightarrow slips trips falls, no voc's - good weather -

- Monitoring - no anomalies 6951, 40°F

weeps at flange continue semi-sec today

Live 1 by Nikola \rightarrow comments are issued

Surface monitoring today 22 runs, 18 records processed

• no anomalies, Nikola



- DD III run to bottom @ total depth \Rightarrow tonight & tomorrow run casing
plan to be near set

II BOP's

Q-4000 \Leftrightarrow surface equipment testing I/W

HP-1 ready

3:00pm Mr Campbell

7/29/10

BP \Rightarrow Mark Mzele
Richard Lynch
Paul Tooms
James Dupree

Meeting w/ Pat Campbell Wild well Control 2:00pm

Referred to events as silo's or initiatives. Wild well control has had a lot of people working on this project. Folks who worked with design verification

- Capping
- Hot tapping
- Relief wells

Talked about

* These issues he has raised is based on ^{his} experience \rightarrow Not can you do it \rightarrow the question is should you do it?

Emphasis \Rightarrow we just want to succeed in the shortest amount time.

Referred to Robert Buck confirmation hearings - & how hard it is to get confirmation.

Paul Toom \Rightarrow Took lead

Never use Bullhead well? would not bullhead a blowout well where ... mentioned Angularity - did a plugback, had a fish had a low side to the hole - tool joints lay against the hole erosive - does not believe you can calculate - have zero BQW solid oil - BP has not seen no erosion at all velocities 30-45 ^{ft} / sec

- Regardless of success or failure - Dock Blankinship - stated on the govt side BP agreed to at least tag the annulus

Is there not an agreement to tag the main well bore.

7/29/10

8000 psi is below the failure of a number of ~~components~~ components \Rightarrow the models show they will be below way below 8000 psi = BP expects only 150 psi above current pressure.

* Pat Believes that flowing the well just prior to static kill would have been best

* BP expressed the concern about the number of folks ~~attending~~ w/ all the vessels

* BP says you can expect to see 500 psi

* If you do not succeed, you will have to flow to sea to reduce pressures in order to perform kill

* BP admits it is not the clean way to do it or the preferred way
"PP vs idelway"

More comfortable

- Yes!

- 8000 psi produced solids —

Still not sure the next psi is not the stress that broke the annel's back

He does have a higher level of confidence, WW will support but he still does not agree to do it if it was his call

Catastrophic failure

7/30/10

~~Discussion~~

06:30 Executive Meeting

① 0 injuries, 0 VOC's, lessons learned on dropped objects

② max 696/psi 10psi/24 hr - acoustic max 39.8°F

Geophone gathering data; visual cement line no further gravel

CF no change 12 hour recordings, ROV sensor no gravel

No seismic

③ HPI crane repaired

Activate DWS system test

Pisces - Final Procedures in Int

seam

④ DPILL PU clean out assembly ^{from bottom today} cementing sund/monday

DDT = Ready to drill

↳ Disses up to new casing tomorrow

⑤ C/L Ready

ENT Ready w/THS BOP/LMRP for DNV

Q-4000 → ready to go other BD & Nos C/L

⑥ UC - no more impacts, ~~ENT~~

⑦ 7-10 days look good 25 & 28 w share 29 10 full days out

⑧

7/30/10

SALAZAR 08:00

Kevin Cook, Steve Chu, Rod Sterckland, Ken Salazar, Tom Hunter,

- ① 0 injuries, ovacs.
- ② weather 7 to 10 days = disturbance #29 T-Times 5-7 days
- ③ WIT \Rightarrow 6961 10psi/24 39.9°F, weep rate \rightarrow 2 seismic lines Microh
- ④ RW DDIII = Bubble \Rightarrow needs to clean out bottom of hole, pool

tonight - will wind casing tomorrow \rightarrow static kill Sunday

DDII \rightarrow TEST

Q-4000 - system is ready for kill

- ⑤ Steve Chu - WW - some of the confidens minimize all risks going forward

Down side 3 to 5 % above the current pressure

RISK of reducing pressures too high \Rightarrow

What does it take to inject the hydrocarbons back into the formation

Team
7/30/10 Science Meeting WIT 11:00 am

More bubbles seen @ unseal on the side of the
conductor forming ~ hydrate

11:30 EXECUTIVE MEETINGS

- ① DDII - groin pain, 1st aid on thumb, ovac, no vol issues
C/L had a severe black out - have to go back to C/

- ② 6965 9psi/12 hrs 39.7psi, weep rate @ mud bit

NOAA PISCES outside of

HP 1 CONNECTING to export hose, PT TO Transfer product

III RUNNING IN HOLE @ fill by 6:00pm

II RIG WORK

CDP \Rightarrow 2900' ready for installation \Rightarrow All vessels ready to go to work

TOIS PISCS Df II still operational

TH B - ENT BOP - DNU -

STATIC KILL \Rightarrow High readiness w/ a lot of PM work, Has contractor

REMOVING BOOM \Rightarrow 25000' removed ~~TH~~ near shore state waters

Weather good

7 | 3 | 10

- ① Ointments, O Jock's - Near miss, Jessel lost, power crew boat
- ② 6970 9psi/24, Acoustic over night O A 40°F O A
Geophone not pulled up, Visual inspection, bubbles at m/L Same, took 2 samples, Cement line connector Plunge ~~not~~ ~~not~~ ~~not~~ ~~not~~ no changes
2 seismic runs today
- ③ HPI & LR hooked up
- ④ III duggs! 17708 tessel 17818 17818-17840
Clear to TD

Tugged 17808

Clear to 17818 Drilly Touch

17818 to 17840 Wash & Run

17840 to TD pretty clear

Out of hole by today & Rigging up today

Run

Casing

into tomorrow

Wt. Finish

up on Monday

Monday PM

II RT of CSR w/ ROV

maintenance

Infinity Test

on Monday

* NO Clear on what is being sent to VAC

7/31/10

⑤ CDP ready to do

⑥ RNT - TH8 - BOF Recruit w/ DNU
C/L SS-363 - Blackout investigation

Q-4000 vax for static kill

BD &

⑦ Chasing sharks, clean up in Jefferson & Terrell
pulling boom in FLA & Alaska
Some Fisheries opened up

⑧ weather \Rightarrow good weather 7 days HP over LA good - Storms west
Shrimp in the crib - Atlantic is light shrimp
29 20% of becoming N/S of PR Rule \Rightarrow

SALAZAR Meeting:

Steve Chu \Rightarrow Nobel Laureate, DAVID HAYES,

① crew boats lost power - SIMOPS worked well, weather Dist #29 20% chance
of becoming a hurricane 5 days from PR

② No negative indicators on WIT \Rightarrow 2 seismic runs \rightarrow no changes on bubbles

③ BW:

Analysis d/w 32' section works 17840 - 17864 foot

Cement survey completing on Monday - injectivity test on Monday \rightarrow

SK on Tuesday

7/31/10

Static Diagnostic Test Meeting

John Smith

Alex Slockum

Steve Chu

Tim Hunter

Kate Moran

Charles Willis Shot

Steve Hickman

DICK GARWIN

Rob O'Connor

Steve Pye

- ① Chevron / Shell would not cement if they were not sure they knew where the cement was going, however they do believe in conducting the injectivity test & static kill if they get injectivity.

• What data are we going to collect????
 → Pump rates
 → Injection rates

• Injectivity Test will use base oil to establish injectivity rate

• There will be some cement tests after the injection rate is determined. Look at slurry design.
 cement is a 14.2:1 ratio L/W - RCTest

Then: review design of slurry & RCTest slurry

★ Should they conduct some type of Real Test ★

7/31/10

- BP to provide a package to show how they derived their 8900 psi limit

• BP also mentioned that in addition to looking for a clear sign that they know ~~what~~ where they pumped, it is important to know what injectivity rate they had vs the pump pressures

→ spoke to Richard = anything < 2 bpm he would not consider it - but what do the pump pressures do? he would expect that the pump pressures would go down as injectivity rate goes up

- BP stated that if something went wrong they would "OVER DISPLACE" the cement however this is only good when the cement is not setting up and over displacement would flush the well bore, however "OVER DISPLACEMENT" would not assist you if the cement set up too early.

16:30 meeting

- ① NO WQVARS, no safety, NO VOC'S
- ② 6974 psi ⇒ NO anomalies, Temp stable

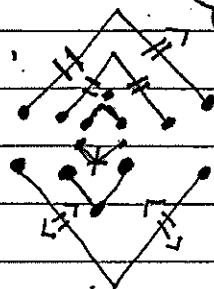
Acoustic good -

samples to bench, send to

lab w/ 11/10/10's, cement here

Henry Bisillo I/W

Battery change out I/W



Injectivity Test Possible Monday

UNplanned release 10m square 32mm
PT phase pack 40m ± w/ dt well
kill side phase small side
Appears to be of a fitting

Static kill
BUT TH B
on Bottom
C/L 55-363
Q-4000 - pure

gas at sea bed NO problems

NO seismic tomorrow

Cement by 1500 hrs
Sunday

CD1, Achimov - ready to go - P/L C/L 55-363, L/R hooks up ⇒ OFFLOADING tomorrow

RW = II ment & SB = ~~Casey~~ Running @ 16:30 w/ CASING = ~~proven~~ by cementing by sonex = CLR and 2000 maw

8/1/10

06:30 Executive Meeting

① Safety - 1 first Aid - Has centerline, Hand Entry
Arrange call w/ safety reps.

② III 9 7/8 All picked @ 9805 bottom @ noon Cementing
by 16:00 by 12:00 hrs on Monday

II Mgmt

③ Monitoring = 6980 psi 10 psi/24 hrs

- ACO \Rightarrow 0-Aho-
Temp =

- Gasphase = Referenced

- Visual \Rightarrow seeing bubbles no change ⑧

- Samples Drilled Lab @ 11:00pm

- bubbles on 36" casing

- BOP wear rate = Full wh lufs okay

- ROV sonar \Rightarrow 75% complete no

anomalies - NO seismic today

⑥ No new oiliness

Tarballs w/ Hancock County

Skimmers (20) in place for
static kill

④ Weather 29/30 -
models Mont of BR

④ Static Kill \Rightarrow Q 4000-Rndy \Rightarrow Hoss C/L

Bottomlines \Rightarrow back at bottom

Contingency gauge - Pumping train

① Cementing

② WIT

③ 18" shoe procedure

⑤ Buildout HES/BDS ready to install 2900' \rightarrow Had Transfer
to LR 332 bbls

18/1/10

llabiche2

J1760UF B

08:00 SALAZAR Meeting

Adm Cook, DAVID HAYES, TOM HUNTER, STEVE CHU, MISSY OWENS, PAT LITTLE, KEN SALAZAR

- ① HSE - 1st Aid overnight, hand evaluation - stand down w/ HSE Reps
- ② Monitoring - No Anomalies, 10 psi/24hrs, seismic vest, none today, LEAK AT PRESSURE TRANSMISSION
- ③ RW @ 9805', on bottom by noon, cementing by late afternoon, injectivity test by tomorrow
- ④ Review of static kill, 3 actions to BP - Fixing of cementing, Design Parameters
- ⑤ TOM HUNTER → Science team has to have another meeting, TOM AND SEC CHU ARE FOR IT, but others are ~~not~~ Against it. Very strong opposition against CEMENTING!
- ⑥ Weather - concerning NWS - 29° 30' 40% chance develop into tropical system
- ⑦ BP would suggest the weather may affect progressing & putting pressure regarding weather
- ⑧ Note from Borgome to Blankenship need copy → could be dangerous

11:00 CHU Meeting To

DICK, STEVE CHU, Alex, Aaron, Steve,

- ① AGREED TO PROCEED

16:30

- ① ~~WISST~~ DROPPED OBJECT @ 14901 ft
- ② 6982 psi, No Acus, 40°F ⇒ Temp out to ops maintenance Geophone installed
35% methane ⇒ wellhead / seafloor ⇒ 2 pressure runs tomorrow, Pressure gauge returned
14P 1 g/s
- ③ III 97/8 liner on bottom 1603 hrs plugged = 20% returns Bottom 6-8 hrs
then cement liner top
Test test lower for progress ⇒ turn over to static kill
If maintenance
- ④ Static Kill ⇒ Q-4000 ready to go ⇒ hook boms up will go on Owens's lift
gauge ⇒ cementations not approved, waiting on letter from Admiralty / Allen
- ⑤ UAC = No new oilings ⇒ skimmers after

8/4/10

Troika \Rightarrow TA-8 P&A'd JR TA-1 SI Long time
TA-7 T&A'd JR \star TA-2 SI Lock \Rightarrow very little reserves
TA-5 T&A'd JR TA-3 SI internet development op

TA-4 SI Long time

\star TA-6 SI - TRC needs to be replaced

one giant manifold, with the wells all clustered

TA-2 - TO BE P&A, SCSSV is been locked out

Angus \hat{c} Manatee ~~4+4+4+4~~ Marubeni "Japan"

Troika \Rightarrow Shell \Rightarrow

Aspen - Noyon

Dynamic G.C.65

Drossky - Marubeni 90% of all production \Rightarrow two wells

LORAN \Rightarrow Noble

Shell \hat{c} subsea arrangement \Rightarrow up to 2 years when shell has ~~the~~ \hat{c} feels

Dynamic has sufficient skills to manage the operation

8/9/10

① SMASHED FINGER ON POTH

Back injury on ENTERPRISE in a basket

② Pressure ^{overnight} 47 psi 4352 3.9 psi/hr

Acoustic ok - Temp 39.5, bubbles from connector flange

Hydrate build up \Rightarrow 3 active leaks per hour

Never been underbalanced, stack survey on going

no seismic planned

③ DDII #15 RR @ 17905 3.3" 3.5' away S 32W

will drill TO 17935 A Right @ shoe

Intersecting as early as Frick

Back drilling tonight. Taking 12 hours

C/L G-I 55

ENT \Rightarrow Function Test LARS system

\Rightarrow LDIS system is run

\Rightarrow 94000 off load meg disp of lines to HRJ

Ops note #6.

④ VAC \Rightarrow HS EE \Rightarrow Beche marsh clean up

100,000 boom pickup \Rightarrow no new oilwss

⑤ weather okay @ this point

8/9/10

SALAZAR, DAVID HAYES

- 1st Aid, Hand INJURY
- Heart Stroke, Back,
- 3.9 psi/hr bubbles @ base of capping stick 100% GGS Mel/Lent
- NO SEISMIC ACTIVITY
- Temp is fine
- DDI 1790S \Rightarrow DRH/S \Rightarrow 3B' front view \Rightarrow RTH, 1st time you will have access to the micro arrows
- C/L SB, ENT SB, NP2 SB

8/10/10

① First Aid

② 4284 52psi drop 5.2psi per hour
Tm & Acoustic \Rightarrow bubble streamers
↑

③ ops D
HPI & LR Flushing
Piscos =
SS

④ DP111 \Rightarrow stopped at shoe
Waiting on orders

⑤ Ambient Test \Rightarrow
LP HC =

⑥ High chance of poor water

SALAZAR

Tom Hunter, Ken SALAZAR ^
Rod O'Connor, Cook, Allen ^ ^ ^ ^ ^ ^ ^

HSE okay

WIT 4284 5.2psi/hr ^ ^ ^ ^

Drilling Suspended -

Is Annulus w virgin state or was the Annulus connected
to Reservoir? ↑

8/10/10

• cut tubular must be seen by the investigative team

• Gage run not possible \Rightarrow

• ~~Don't pull~~ wellhead not required for wellhead marine Board! LIP

* Hi-Def video required of seal assembly on top of 97/3 (All BOP) \rightarrow BOP's crossover - ~~will~~

* MB \Rightarrow Bottom 2 BD videoed & top recovered!

* Consider placing a pressurized sealing cap at gage for future monitoring program
"2 tier shell" dry hole type \Rightarrow

* tentative time frame for MB ~~to be~~ notification for MB \Rightarrow Denny Joss & Jimmy Smith
Dudek & Qun

8/10/10 Science call. Regarding ^{near} Ambient test

Bob Miley Bill Shedd Dick Gar Wilton Rex Montgomery
Cun Mike P Stewart Goff Steve Hickman ~~Adrian~~, Peter Fleming

update: Tropical storm forming GOM 50% chance

high wind gusts @ site \Rightarrow prepare \rightarrow will set a storm parker

planning w/ sea water

other vessels: 3-4 days relief w/o

8/11/10

① HSE \Rightarrow Medre had rash, Q-4000 -slurs, bump "shock"
C/L - 2" live fellow boot

② monitoring 4500 psi \rightarrow 75 psi 11 psi/hour

@ 11:00 \rightarrow 5/6 psi/hr

@ 11:00 \rightarrow 10 psi/hr - investigated

2 horizon w/out choke valve

11/12 psi/specker

@ _____ choke side choke leak

outer isolation lost hydraulic

pressure, inner valve was

closed

@ Ops note 4 to mechanical lock, pressure

complete @ 9:00 pm

02:30 bubbles ceased

3 sep Leaks

@ 9:30 pm # ops note 7 to 4600 psi using Q-4000

complete @ 10:3 pm \Rightarrow meg water

1.3 bbls used

Stack is not gas tight

Sonar

③ HPI & LD ready \Rightarrow disconnect hose

- displace fluids, HPI

- achieve

LDA is parked being parked. \Rightarrow 12 hours to reconnect

Enterprise 75 miles S/W

C/L FW 451

8/11/10

④ $13 \frac{3}{4}$ RTTS = 5744 +/- 6000
max displacc risk < 12 hrs from

⑤ weather tracking midnight @ 3 o'clock 35-40 mph

⑥ UAL = vessel down & Boom Recovery

8/11/10

SALAZAR Meeting

Marsha, Missy, Ken SALAZAR, DAVID Hayes, Tom Hunter

"Boxed in due to wall"

- HSE - 3 incident, Rash, shock, Bruised foot \Rightarrow etc Aid
- Pressure on Capping Stack \rightarrow saw bubbles, valve misseal
capping stack is not gas tight
- no seismic
- DP III storm packer set
- CONT: HP 1 ready
Q - Disconnect LRA
C/L \rightarrow EMT \Rightarrow midnight today
- Reattach

8/12/10

07:00

- ① Safety: unclassified rash on Monica Ann - NO New incidents
- ② Monit: 4350 @ 06:00 75 psi since 5:00 pm
NO bubbles @ choke
- ③ HPI Available \Rightarrow
- ④ DDII RTTS \Rightarrow Return 186 psi
DDI RTTS = rising up to DOGR
- ⑤ ENT \Rightarrow Returning 03:00 53 miles SW H4 connector
LDIS

Q-4000 \Rightarrow wanted picked up LDIS \Rightarrow NAT ops location,
Surface Tested From IRon
All Equipment Ready
GO/NOGO
- ⑥ VC \Rightarrow securing 02:30 = fatality hit by car \Rightarrow night
- ⑦ weather \Rightarrow #5 dissipated

8/12/10

SALAZAR:

- ① No new incidents
- ② No Negative indicators ^{to} 5/6 psi/hour
- ③ No anomalies sensor will
- ④ DDTT PTTs pulling to surface
- ⑤ most vessels
- ⑥ weather looks good

8/13/10

① crane incident \Rightarrow DDII \Rightarrow dropped object \Rightarrow Area cord-off

② @ 2696 \Rightarrow 22psi over last 12 hrs
rate of decline

Ambient Test 13:40 = @ 1438 locker 2465 ATC-302

210psi measured @ Q-4000 @ 1838 2673

390psi @ Q-4000 Flatlined \Rightarrow slight increase expansion
of Gas into the system \Rightarrow spikes due to transmitted

Bubbles @ 3:00 went to half \Rightarrow 30/50 now =
now they are 60 to 100

Q-4000 no operational issues

No anomalies

③ vessels operational ready

④ ENT back from excursion / Cruise \Rightarrow ROP certification

Found a nitrogen bottle failure for LDI's

ch back to g/SS

⑤ DDII @ 97/8 Shop @ 17864

DDII CBL ON 135/8

⑥ VAC \Rightarrow TD-5 Linger off MS coast - slow

re-mob area \Rightarrow delay 16"K bar

re-oil the facsimile

⑦ Weather \Rightarrow no much

⑧ USCG

8/13/10

08:00

SALAZAR / CHU / Marsha McNutt / TOM HUNTER / DAVID HAYES
ROD O'CONNOR

① 1-crane loop wire fell 15' \Rightarrow Fallen "Dropped Object" proper barricades

② 0 Anomalies WIT \Rightarrow

• 238 2408psi \Rightarrow 1166's bled off



2673 after 4 hrs "Gas Expansion"

* Successful/ treat per "Sums"

as of 0130 2696psi flatline from 1L to

DP III 17864 @ 9 7/8 SLOC WOO

DP III CBL = complete

Q-7/HF1 ready for flush

ENT \Rightarrow #4 connector running

Water is good TS in MS

SALAZAR \Rightarrow What is path forward? meeting w/ superintendent

What's way forward.

Another call

Process of today \Rightarrow Discuss data, path's forward, 10:00 AM CSF

BP needs to

8/13/10

08:30

① observed Test \Rightarrow

Chu \Rightarrow Least Risk Path FORWARD

- No Relief well / BOP stack
- Relief well

Test did not show lack of connectivity to the

Is Annulus

Least risk

Lack of Belief that the hanger

8/13/10

Meeting w/ Mary Kathryn Ishe

w/ Congressional staff to discuss Atlantis

• BP-Atlantis Investigation \Rightarrow

- Flow of HP circulate w/ mgs water flush hydrocarbons base oil
Flush mud to avoid clogging

Isolator

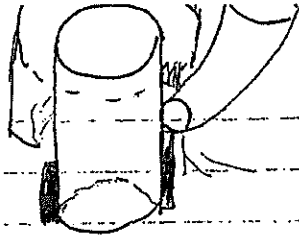
- ~~HP~~ HP

- move out oil to flush out

8/13/10

18:30

STALEMATE



Phil to discuss
his cokes with
industry & structural

① Things we agree

- Take time & make best choice
- BOP needs to come off w/ significant ambient test

② Things we disagree

- mitigate the pressure spike - BP disagrees
- NO confidence w/ well status w/ BOP off and annulus

Agreement: on path forward

① Force to relief well

or

② move forward w/ Agreement issues

No matter what happens w/ BOP, BP will still intercept
with Relief well

Write them guidance to conduct a long term ambient test

- guidance to figure out to provide pressure relief

Tomorrow 8:30 to 9:00 Houston time



- DRILLQUIP = can B Annulus be tapped

① APT makes sense - will

not fundamental & cannot be
pressure

② mitigation of pressure pulse
under hammer

③ methodology go through with
the language

8/14/10

① No Incidents All clear

② 2691 @ 06:00 full 11 psi over 12 Fkt since 3:30
no anomalies
Noaa pscos

③ DP III ⇒

DP II ⇒ on standby 2 days to be clear
perforated riser Joint ⇔

④ ENT LDIS Function will be used to circulate

Q-4000 → eHP-1 Ready
C/L G-I SS Ready

⑤ Weather

⑥ VAC No safety, OFIRST Aids, Remas I/W
Boon de-mob ⇒ 27,000 boon removed

8/14/10

SALAZAR, ALLEN, MARSHA, TOM HUNTER

① No incidents

② WIT \Rightarrow no negative indicators 302441-5

2691 psi 11 psi - per ~~7th~~ 12 hours

③ III 9 7/8 shoe,

II CBL Ran yesterday = won

Q - 4000 ready + flush to HP-1

ENT \Rightarrow Back on location

Dep #5 moving inland

TOM HUNTER

Disagreement - vs - Agreement

AGREEMENT

• Do it Right = more extensive Ambient test

• 1

• Develop a pressure relief system for Pressure pulse

• Develop a plan to conduct an Ambient Test

• More focused effort \Rightarrow Flow out of Annulus

• Relief well would be operational ready

• When

• SEAL ASSEMBLY IS SOUND - MUST PROVE TO SCIENCE TEAM
OR

• Develop method to PROVIDE mitigation TO PRESSURE PULSE

3 THINGS TO WORK

- Relief system WORKED

- AT AMBIENT TEST

- SA Hanger seal

IS 1.5 X SWAP OUT

Engineers from to
↔

8/14/10

① What is in the Annulus if it is connected ↔

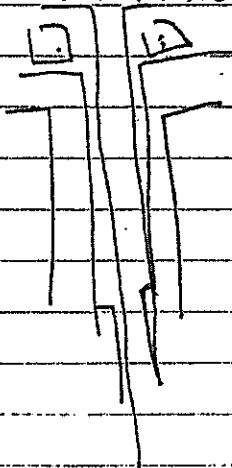
- 14:30 → 17:30

Went to Drill Quip to Discuss

★ Shell SAYS SWAP The Stacks
w/ EXTENDED AMBIENT TEST &
CLEAR OF FISH FIRST

★ Difference in CEMENTS will be able to Tell

★ full returns w/ cement on ORIGINAL Macando well?



8/15/10

- ① Safety - 0 Accidents, 0 incidents
- ② 2494 psi 06:00 18psi < 12 hoops
bubbles reduced
no anomalies Geoplon or Datto
visual inspection no new anomalies
DOV SOWR no anomalies,
- ③ HPI IIR ready - completed flush 700bbls of mcs water
From Q - to HPI TO carol chrost
HP-1 collected samples
Drain separator
ENT = standing by pulled Lpis & H 4 = shuttle valve problem
with will be tomorrow =>
Q -4000 was bumped yesterday explains transient
making place for Q-4000 \pm for removal Capping Stack, EMR & BOP
APT => Held a meeting w/ Drill Quip, John Gadsdore Shill
good meeting
- ④ Drill stand by at 9 7/8 casing shoe
DOII preparing for TGA
- ⑤ Weather may be bad
- ⑥ #5 will shutdown operations, Watch heat stroke
1 WRE miss, 3 first hits, no new impacts
boom 33,600' => 300' reinstalled

8/15/10

SALAZAR, Marsha, TOM, PAUL TOOMS, ROD O'CONNOR

① HSE - ACCIDENTS

2492 psi 18 psi / 12 hoops

NO Seismic, 60 ~~50~~ bubbles/min

NO Anomalies

DPIT standing by

Flush Q-4000-70 HP-1 Megwater

ENT is working on HP-4

WAVE height 6'-8'

SALAZAR - VS - Hunter

MOVING FORWARD Wednesday Decision FORWARD