

Allen Pere Interview Notes

1/12

May 2010 Greg Walz
Brian Martin
Jim Cowie
Kent Corser
Allen Pere

Describe the organization and when entered role
DETL TH moved to DETL E&A on 4-1-2010
Third role in 1 year

First Exposure - Spring Break.

Relieved David Simms during well control -
loss circulation - stuck pipe.

March 1, 2010 Announcement of New Organization
Last week March 1st April Transition to new position
Current Ops set 11 7/8" & 9 7/8" Liner installed
drilling production interval.

GW reports to Jonathan Sprague.

* Mark Huflet Brian Morel.

E&A operated differently before Re-Org.

David's Operations ~~Team Leader~~ Manager

Brett Coates was going to transition
but MOC was not completed,

organization still being worked on
roles and responsibilities with Devon
west Sirius being BP operated.

Rob's Responsibilities: Engineering design,
Csg Dsg & BOD was done previously
before Greg entered role.

Approvers - John Sprague - Andy Fris had Dave
Rich's O DOR

Issues w/ BizFlow for MOC approval.

Had ~~John Sprague~~ one person at two levels.
Perception was that EMOC (BizFlow) was
not understood by E&A procedure.

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Who reviews and approves.

- ETL & WTL approve procedures.

~~This was~~

In Greg's ~~option~~ option this was not in place when he arrived - Not clear.

Options For Prod Interval.

979' Long String Initial.

After setting 979' Drilling Liner

Three Options

- Long String 979' x 7" - Best option ^{for Long Term Integrity}
- Liner - Tie back concerns
- T&A Off

Mark and Brian worked Options after loss Circ.

~~Four options~~ After Loss Circulation

- Effort into working options.

- Week Before Greg started investigating cementing plan

Initial response from Brian was that we could not have circulation.

- Team working on loss circulation - real time

One on One conversation that lead to a mtg w/ BM, MH, BE & Greg W.

Greg requested an engineering recommendation for the cementing plan - Don't recall if

Jesse was in meeting.

Team worked the options and first ~~recommendation~~ ^{pass} was to run a liner

Erick Cunningham ~~it~~ was not working - prospect

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April 13 @ 1600 hours

Jon Sprague
Bruce Rogers } Did not attend

Scheduled mtg w/ Jon Sprague, David Simms
John Guide - Gray team.

Jon Sprague could not attend the meeting.
John Guide - Voiced displeasure about
making changes - very frustrated, about
making changes.

Reviewing engineering recommendations.
Advantage of having a Liner Top Packer.
Jon Sprague had presentation and Gray
reviewed.

Reviewed w/ David Simms.
Used Halliburton's Opt-Sim Modeling.

* Results of Mtg:

Jon Sprague - APB Implications
of Tie Back

Mark Murray voiced concerns about
Versa-Flex Liner Hanger. PBR Arrangement
with Jon Sprague.

Team to work w/ Mark Murray on Tie Back.
Cementing work was suspect early
on in work program.

Opt. Can run on liner but still had
concerns - Cement Slurry work was
not @ being worked.

April 14, ~~Session~~ work session
w/ GW, RM, MH, Jesse, Erick Cunningham.

Reviewed Model - ~~CD~~ SOB
compressibility did not match
MDT static BHP Hydrostatic.

MDT ~~Downhole~~ ESD = 74.77 - 124.1 lppg

→ Action Item

Long String cementing modeling

4/12

model calibrated to MDT ESD
Ran model to simulate different scenarios.
Erick Cunningham was comfortable w/ model
Focused on Long string - Idea of Base Oil

4-14-2010 Teleconference w/ Jan Sprague - David Simms
John Guide - Andy Frazzel.

Who drove Foam cementing?
Not aware @ if Foam was in
original plan or did ~~the~~ Greg push
cementing w/ loss circulation.

Mark Hittle sent slide pack to Greg & Brian
@ 5:23 pm on 4-13 @ 5:23 pm

Cement design honored the 14.1 ppg
~~Interval~~

Greg request the shallowest Hydrocarbon
bearing sand from Robert Bodek.

Galina S. stated Top Hydrocarbons. 17803'
13.01 ppg sand.

14.1 ppg sand was not Hydrocarbon bearing.
No discussion if the 14.1 ppg interval
could flow.

Sperry Sun said it was a valid test
Mud weights during loss circulation.
Interval did not behave like a
permeable sand.

Tiger Team was working this issue.

① Limited FB to 14.5 ppg
PP to ~~14~~ @ various points. 5/12

② Outcome For 4-14-2010 mtg -
Reviewed ECD & Hydrostatics From model
Recommendation for cut job that was pumped
or survey data in model - Default 70% stand off
Changed recommendation for long string
based on cementing model.
Limited conversations on other cementing slurries.
No Lab test - Greg was not aware of any
mtg did not discuss gas flow potential
Teleconference w/ Jon Sprague, David Simms John Guide
Andy Frazzuel @ end of 4-14-2010 am
meeting. Provided recommendation
Recommendation to proceed was provided to
the team.

No Calliper
Modeling
No Centralizer

David Simms Disapproved MOC due to
incorrect - No Issues w/ content
MOC Documents 4-14-10
Opti cem v6.4.8. (OE 11'07)

Greg Walz saw severe gas flow last night.

Second MOC - Did not have Jon Sprague
Added a second Level approval.

Jesse added calliper & survey data -
ECD increased due to channeling
Jesse started having discussions w/ MTRM
not know as a Fact

③ MOC Based on 70% Stand Off

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EED Due to spiking due to adding:
calliper data, survey data & centralizer data

Mark Haffle & Eric Mueller - Coordinator
Version April 14, 2010 - 11:07 am.

Contingency Liner - $11\frac{7}{8}$ " x $9\frac{7}{8}$ " x 7"
Do not recall the different options of
running the different options.

Don Sprague wanted to have Kurt Mix
on MOC - Did not add, did not register
why he added Kurt

$9\frac{7}{8}$ " x 7" Csg design was run @ before
Greg (GO) joined team.

Moved crossover point from casing design
performed by Steve Morley.

Moved to increase Hydraulics.

Did not re-run model.

March 24, 2010 - EIT Casing Design.

QA/QC on submitted csg.

No MOC for $9\frac{7}{8}$ " Dng Liner.

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EED discussion w/ Jesse

~~Started~~ Greg involved in 6:50 pm 4-15-2010

Brian Morel on Rig.

Greg, Mark, Brett & Jesse discussing what we could change.

Slurry was optimized and no possible changes

~~see~~ Suspect about the model

Verbal conversations. - seeing channeling of cmt causing increased EED

10 centralizers on plan. -?

Started out as a conversation

Identified Moderate Gas Flow and

Jesse stated that this was not severe.

Issue was Loss Circulation due to channeling.

Brett and Mark were sceptable about modeling

Weatherford Cent Model - Not Aware if it was run.

Greg sent email to John. - Located Cent. Etc.

Brett C. running traps on cent.

Brian Morel, was also struggling w/model showing extra centralizers.

Brian M. sent email w/ cent on rig and said that did not having time to get additional cent.

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Concerning about centralizers due to challenges on Atlantis well
ECA team is on the page of fewer the better on centralizers.

Discussed w/ David Simms about extra centralizers - Discussion was about being consistent with decision making.

Decision made by Greg & David to run extra centralizers.

Centralizers were sent to the rig box sent to Hellipart w/ stop collars. Could not fly so sent to rig by workboat.

John Guide Found out about stop collars - And concerned.

Greg W. & John G. discussed using centralizers.

John Guide & Greg Walz agreed not to run cent due

John Guide concerned about junking the Hole due to centralizers falling apart

John Guide called David Simms about decision.

Decision made to run centralizers on rig. Worker impression that rig had 10 cent and not 6.

Perception that stop collars were ~~about~~ at the rig. Conversation was about risk.

Centralizers would not have caused a delay in rig operations

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Greg did not talk to Jesse about actual centralizers being run.

 4-17-2010 Opti-Cem Procedure No modeling

SOBM can cause N_2 breakout by de-stabilizing the foam

Cement volumes did not change after adding calliper and survey data.

Greg did not recognize cement channeling and the effects of channeling.

Do we put cement on top of the plugs to assist in drill out - Decided to keep it as is.

Greg sent leadership message to team to understand decision making and reasons for change.

Jesse sent last ^{Opti-Cem} ~~cent~~ model run

on 4-18-2010 9:58pm

No Plugs - Model indicated severe gas flow
Need to confirm what was planned to be run vs. Model.

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Any discussion on Nitrogen Breakout?
Discussion w/ Erick Cunningham at mtg
on 4-14-10 - Erick OK = Team OK.

Negative Test

Revision 4.2 - \odot Is this the final plan - Thinks so.
Went out after review by Greg & John Guide
Greg understanding how team functions
No structured approval process.
Changes made w/ E-Mail and verbal discussion
E-Mail summarized changes indicating approval.

Greg was expecting centralizers would
be as per plan.

Surprized by change in plan.
Who is responsible for ordering and
getting out centralizers?

Brian Morel or Brett

Greg thinks Brian - Brett was doing
Long term rig issues and PEA operations.

CBU after csq landed.

John Guide said pump 100 bbls
and then pump cement as previous jobs.
Discussion after problems w/ Diverted Float Collar
Meeting in Op's room - Understand lower pressures
and equipment issues - plugging?

~~No discussion on CBU~~

~~Greg did not~~

Discussion on circulating bottoms
and circulating csq/LS volume
Decision to do what they previously do.

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Brett e - Only Impacted.

Jon Sprague - High performing team
Drew a chart on performance and
making a change can impact performance

Greg was trying to understand team and
not making changes.

Negative Test

Horizon way doing business.

In Favor of having pipe in the hole

Conversation on negative test
w/ base oil

Mark & Brian to work with rig
on negative tests - Op's note
on email.

LDS - Concerns on damaging tree
seal.

No conversations around DQ Hanger
and seal assembly being locked
to High pressure housing.

Perception that it was not a problem.
Common practice

Rig Pressure in the system due to the
organization?

Frustration w/ Tiger Team - Tough Well.

Rig Schedule - Nile P/A - Yes / No

West Sirius - Behind on Planning

PSI -  What to do with the rig.

Schedule imposing stress - Transition

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E&A Culture: Performance - Not require
procedure - do what we have been doing.
Pride themselves in not being part of GM.
Their own team.