

Bob Kaluza

Normally assigned to TH but on Horizon for 5 days as relief while Ronny Sepulvado was in well control school

Arrived around April 15th

Spent 9 months on rig 8-9 years ago - said this was the well from hell

Didn't know a lot about history of well

finished running casing at 18304' - 9 7/8 x 7" with bullet nose shoe

No valve in shoe, double valve in float collar above

had trouble getting float collar to shear

wasn't on tower for cement job, heard it went well

came on and had to convert Allamon divert sub, converted OK

Allamon had hand onboard to convert tool, had trouble with float collar - Wayne

There was no Weatherford rep onboard

Called town - John Guide - because float collar was supposed to convert at 700-800psi but had to go higher

Got permission to 3000, wouldn't go

Permission to 3500, went off at 3124psi

Rolled pump slowly to work up to 3500, 1bbl/min after shear to not break rock

Circulating pressure 128psi

Flow seemed to come back strong at first, unusual - had modeled hydraulics

4bbl/min 570psi

worked up to that level, got 350psi

seemed odd to Bob and others around, switched pumps from #3 to #4 to see if

different, 1bbl/min 205psi, worked up to 4bbl/390psi

discussed with John Guide and Keith Daigle

Guide said to pump cement

Went off tour, pumped cement job

Final circulation before running casing had 1120 units gas at 3000 unit scale

Not really alarming, but it was a bit high, dropped back to background

plan called for 1.5x drill pipe volume prior to cementing, but did not circulate

bottoms up

Floats held after cement job

Came back on tour 0600, ready to do pos and neg tests

Don set seal assmby, seemed to go OK

mentioned depth difference between Marianis and Horizon, 5' difference, not unusual

sheared out of seal assmby exactly as should

Run in hole with tapered string

6 5/8 x 5/5 x 3.5

3200' 5.5, 820' 3.5 balance 6 5/8 to 8367'

first ran into 4900' closed blind shears

pumped down kill line, pressure to 250psi to test casing low

2350psi high for 30 mins, rock solid

6.7bbls to get to high pressure (2700) then fell and held at 2350

Doesn't know if they circulated from kill to choke line

good test, bled off open stack, run into 8367'

discussion with town for T&A procedure

EXHIBIT #

05

WIT: \_\_\_\_\_

Confidential

BP-HZN-MBI00021275

BP-HZN-MBI00021237

Hafle called, wanted to ensure Bob had seen TA procedure and permit to modify (Documents)

Morel in bed from cement job night before

team in town wanted to do a combined displacement and negative test which may conflict with APD

Bob asked clerk to go wake up Brian

Brian had procedure that did not match APD

Town decided to deviate, Hafle had been on vacation while change was made  
Brian came in, to get straightened out with Mark

Not sure if talked to MMS or not about procedure change (concerned)

went to rig floor to conduct positive test

Ran into hole to 8367', went through mud eng displacement program (Leo MI)

had a couple of questions

Vince (Halliburton) was cementer for high pressure test

Discussed with Wymon (TP) he was comfortable with neg test procedure on annular

Went through procedure with Wymon

Went to office to do cement calculations and plug procedure

Finished plug procedure, crew had pumped SW down drill pipe with 450bbl wbm spacer ahead to place bottom of spacer to just above stack

Boost line displaced with seawater

choke line, then kill line

Pumped volume to clear lines to riser (well bore)

Closed each respective valve with stack open

Crew closed annular

Came to floor, crew was topping off riser - 1260psi on drill pipe

Nothing bled that I knew of - Randy Ezell and Lee Lambert were there

After 1260 on drill pipe, did not take much volume to fill, monitored, static

Comment that Randy pushed for negative test on drill pipe

APD requires monitoring on kill line

discussed pressure on drill pipe

called Vince to bleed 2262psi

Bled off quickly 15bbbls

discussed that they needed monitor on kill line

opened well on kill line to Halliburton

vance called rig floor and said getting flow

Told Vince to shut in, took 3-4 bbbls

left rig floor (close to change out) to talk to Don about where to monitor

Believes they shut in drill pipe on iBOP

Bob and Don to floor, Jason relieving Ezell. Ezell still there

Long discussion about pressure on drill pipe

recalled they said they bled fluid after pumping

Jason said "Bob and Don, this happens all the time"

they called it a 'bladder effect'

said annular element will compress drill pipe pressure to equalize differential pressure

Jason said 'all company men do it differently, but this happens every time, when the riser is heavy the annular puts pressure down on fluid below'

Don insisted that it must be done down kill line

Permit was for down kill line, Jason agreed to do down kill line

make sure kill line was full, monitor

Bob left floor to get procedure for cement job  
came back, 30psi on kill line (choke gauge)  
Bob went to mini trip tank, 0.6bbls in tank, bled 30psi off, went to 0.8bbls  
Monitored kill line, no flow, start 30 minute monitoring  
on drill pipe side pressure building, Jason said it was bladder effect, driller  
Sevette said he has seen this before also  
Couldn't be gas, because kill line was not flowing, it was wide open  
weight on bit changing with change on drill pipe pressure  
Jason said it would build to 1400psi and then level off  
Bob - 'if you have seen this so many times before, it must be true'  
Bob left rig floor, 'I went to bed with no anxiety at all'  
Left rig floor at 1950 for bed  
Bob in bed room 310 - wakes up to noise, power off, dark, opened door to get  
light, found and put on clothes  
went into hallway, ceiling tile and debris blown into stairway, had to find another  
exit, air heavy  
Found water proof door at top of steel spiral stairway, a lot of smoke, came back  
down  
saw someone in hallway with flashlight, went back up staircase, out same door,  
instructed Bob to get in LB #2  
Lots of panic at lifeboat, tried to calm people, could see fire on derrick leg  
Marine guy showed up at life boat, said they needed DPO to launch

Found DPO with megaphone, who was panicking and screaming to leave rig  
got on lb, closed door, opened to 4 more people, closed again, lowered - trouble  
with disconnect from hook, moved away from rig, took roll

#### On Boat

went to Bankston, up rope ladder, watched fire from boat  
Not as intense of a fire as later, impression that fire being fed from well  
candle stick of fire - residue/smoke whitish at first, then darker  
said this twice

Heard someone say that mud initially came out of diverter line  
Joe mudlogger closest to rig floor  
of 11 missing, crane operator was probably climbing down starboard crane  
2 mudmen, didn't know where they were, thought 8 on floor  
fluid coming out of diverter

Bob said yes definitely mud on Bankston on deck of boat, especially on port side  
300bbl gain at 1750 - Bob said Leo said he was pumping out sand traps, which  
should be about 300bbl

Joe mudlogger verified, didn't see anything wrong, displacement volumes perfect

Joe told Bob (126-129) 2 explosions - first one filled unit up with smoke  
could not exit because of flames, closed door

2nd explosion larger, seemed to knock flames out, knocked everything off wall  
exited unit, saw crane operator laying on deck with blood all around, hesitated to  
help crane operator, realized they had to evacuate, felt crane operator was  
deceased

Asked Bob about what he thought happened  
if bladder effect is real, he did not get 2350psi on neg test

Here's how I look at it, if we had bladder pressure sandwiched between mud and  
water, then extra bladder effect below would cause us to not get a good test  
Gas could have migrated up to packoff  
hanger seals are seeing the full 2350, something failed  
opening kill line would have provided negative test on seals  
No problem running casing, problems with floats

Extensive induction with lots of information, safety meetings good, no pressure  
to finish well

"We didn't talk about what if the negative test fails"

8 V 730 started neg test  
9 V remained until tst comp, held for 30 mins  
10 V discussion about kill/drill line  
11 V dave ensell with him at 750 completion  
12 V in bed 830pm, normally short change at 2am  
13 V first gas in kill/annulus  
14 V 2nd pressure in seal assmby gave way  
15 V adjustment to procedure for permit to drill  
16 X Brian Morel should be consulted to see if procedures followed

Kat Corser

1/4

# Feed Back from Interview - Bob Kabase Steve, Rex, Jim, Jim

- ① 450 bore 16.0
- ① Flow back - he was in office did not know volume. Zankin - saw 65 pps.  
Looks real.
- ① Bob did not look at spacer.  
"Lee" on floor during test & discussions.
- ① Halliburton - "VANCE" was on unit  
"Joe" - mud logger - monitoring all volumes.  
He was trapped in unit until 2<sup>nd</sup> explosion  
saw crane operators body  
⇒ Down wall.

- Wipe trip -
- Liner on botm - 4 BPP/min worked  
up to <sup>4.5 pps</sup> 570 psi model - 350 psi.
- when he got close to 4.5 pps had surge  
of mud
- > sump pumps. called town discussed.  
Guidy/Pack  
#3-350 4 BPPM  
#4 390  
model - 570

- Strain 6 1/2, 5 1/2, 3 1/2 for negative
- 8367! Review procedure. changed want to P, but APD was Kill line monitor Kill. Put spacer ahead of seawater.
- T/A Procedure

2400 psi  
del 6000  
- zero DP  
sals 1260

- Emailed procedure "Ops Note"
- Disp kill to rise, closed btm & CK w/ booster w/ " " "

Stack open disp DP w/ SW.  
- When he got to rig floor DP was 2400 1260psi. He did not know they had bled off.

1710

Bob on rig floor 1262 psi on DP Lee, Randy, driller

50 to zero  
drill pipe  
total on DP  
on 3-4 on  
line  
start in  
to pressure?

Ask why it's there 1260psi. But they said must monitor on Kill line. Called cont unit told him to bleed off. It bled off 15 BAC. but not at kill line. Vance Open KI to cont to monitor got 3-4 1232. Vance called rig floor "we are getting flow" they said shut it in.

Jason, Earl, Don, Bob, Driller, 2-well, Engr, Lee all on rig floor. They explained it as bladder effect.

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Jim: Has completely convinced himself that negative test went fine. Disassociate himself with the test. Bob was filling in for Ronny Separaldo, had not been on rig. Don's 4th bitch.

- He went down to work.  
Before they opened kill line it had 30psi. Lined up to ~~Bladder~~ <sup>chide gas</sup>, opened it, bleed. 2 rise <sup>miniboy</sup> Bob watched this. No flow. DP built to 1400psi. Another discussion about bladder effect. Both TPI Escal explain this force on annular squeeze fluid.

They were convinced "No flow" on the Bob, could not really explain it.

150 - Bob left floor thinking all was fine.

300 BALS. 2-g they took on 300psi during  
- 1750 - 3000 gain <sup>rig fast. They said they were dumping sand trap.</sup>  
- 2020 500 psi gain - could not explain.

Leo - mud engers.

He was asleep during explosion. Room black. Open door. put clothes on went to life boat.

Bran/Kaman - covered in mud. Fire was white smoke, over time it got darker, black smoke.

2/4

- He heard someone say mud came out of diverter.
- 2- mud men - don't know where
- 6- on rig floor.
- 1- cranes on deck.

Joe - 2- explosion

1- could not get out. After 1<sup>st</sup> expl. put fire out he got away.

Bob - on a track like this he would not complain, then he went on he lost 3 thumb drives, dinner became

→ Need to look at Kill line when they switch and bleed 3-4 sizes. ~~that~~ man-trip back

- Thought IBOP was closed.

DP build to 1460 psi