

BOB KALUZA

LAS VEGAS

/28 APR 10

1. FELL OUT OF A DERRICK
 2. STABBING BOARD FELL
- AT NO TIME DID I FEEL ^{MY LIFE WAS} IN DANGER
A LOT OF LIFEBOATS PANIC

CAN'T GET IT OUT OF MY MIND
ON NEWS ALL THE TIME

TRAGIC

8 AT RIG

2 MUD

1 CRANE

I WAS A SUB

ASSIGNED TO THE (UPGRADE ON THE)

HOUSTON OFFICE ASKED ME TO FILL IN FOR

RONNIE SEPULVEDA

I DIDN'T KNOW THE HISTORY

FIRST TIME IN GOM

BLUG'S IMAGE

2ND WELL FROM HELL (HORIZON)

JUST FINISHED CASING

18304'

2 SIZE STRING TO BOTTOM

BULLET NOSE SHOE, FLOAT COLLAR (DOUBLE NLY)

(A LITTLE TROUBLE GETTING IT TO SURFACE)

EXHIBIT #

45

WIT: _____

BRIAN MORALE :

WHAT FLOWERS YOU RUNNING AT: 14 PSI
LET'S STOP AT 1800 FLOAT COLLAR

(ALMON - HAD A HAND (WAYNE)
DIVERTEC SUB WENT FINE
DTD JUST BELOW)

NO WEATHERFORD HAND (

CONVERTING BEFORE CEMENT JOB
700 - 800 PSI (PREDICTED BY WAYNE)

CALLED TOWN & JOHN TO GET OK TO
GO HIGHER TO 3000 ;
2ND CALL TO 3500
→ 3124 ABSOLUTE COINCIDENCE

I WANTED TO CONVERT AT 1 BBL/MIN
BECAUSE I DONT WANT TO HIT TO HARD
(FORMATION IS SENSITIVE)

AFTER IT SHEARS STAY AT 1 BBL/MIN

125

AT 18000' IF YOU SHEAR, IT NORMAL
TAKES A WHILE BEFORE FLOW, BUT
→ FLOW IMMED, THEN PRESS AT
125 PSI QUICKLY

A 4 BBL/MIN PUMPING AT 350 PSI
MODELLED AT (500)?

THIS IS ODD,
WE SWITCHED FROM PUMP 3 TO ~~PUMP~~ PUMP 4

JOHN WAS OK TO CONTINUE

JOHN SAID "PUMP CEMENT"

DON BOB, YOU FIGURED OUT A WAY TO...
I SAID "THIS IS A WEIRD SITUATION"

MAX GAS OFF BOTTOM

(ON T.H. WE GET A LOT OF GAS
A LOT OF OIL IN FORMATION IN GULF)

THEN BACK TO BACKGROUND GAS

CALLED FOR CIRC 1 1/2 TIMES DRILL PIPE
WE DID NOT CIRC COMPLETE BOTTOM UP
BEFORE CEMENT JOB.

IF YOU GET CIRC, WANT TO IMMED PUMP
CEMENT

THIS IS THE FIRST TIME I'VE THOUGHT OF THIS

I READ SEAL ASSEMBLY WENT FINE
I SET THE SLIPS ON THE HANGER B4 COM. JOB

EVERY THING WE LANDED WAS 5' DEEP
COULD SEE IT SHEAR ON SLIPS

DON DID SEAL ASSEMBLY

820	3 1/2
3200	_____
<u>8367</u>	6 5/8

4900 POSITIVE PRESS
RAN TO BOP NOT BELOW

PUMPED DOWN KILL
250 LOW FOR
2500 PSI HIGH 30 MIN
ROCK SOLID

DID THEY PUMP THROUGH CHOICE & KILL
DON'T KNOW

8367 FT IN HOLE

MARK CALLED ME TO TALK ABOUT
MARK: "THAT'S NOT PART OF THE APD"

BRIAN GOT UP

DISPLACEMENT, THEN NEG TEST

RATHER THAN WHAT APD SAYS

ANY TIME YOU GET BEHIND, THEY TRY TO
SPEED UP

BRIAN SAID TEAM ALREADY AGREED (MARK OUT
OF OFFICE) TO DO IT THIS WAY
[BULLETS] AND DEVIATE FROM TEMP
ABANDONMENT PROCEDURE APPROVED BY MMS
BRIAN SAID HE WOULD TALK TO MARK

SOUNDED TO ME THAT TEAM INCL JOHN AGREED

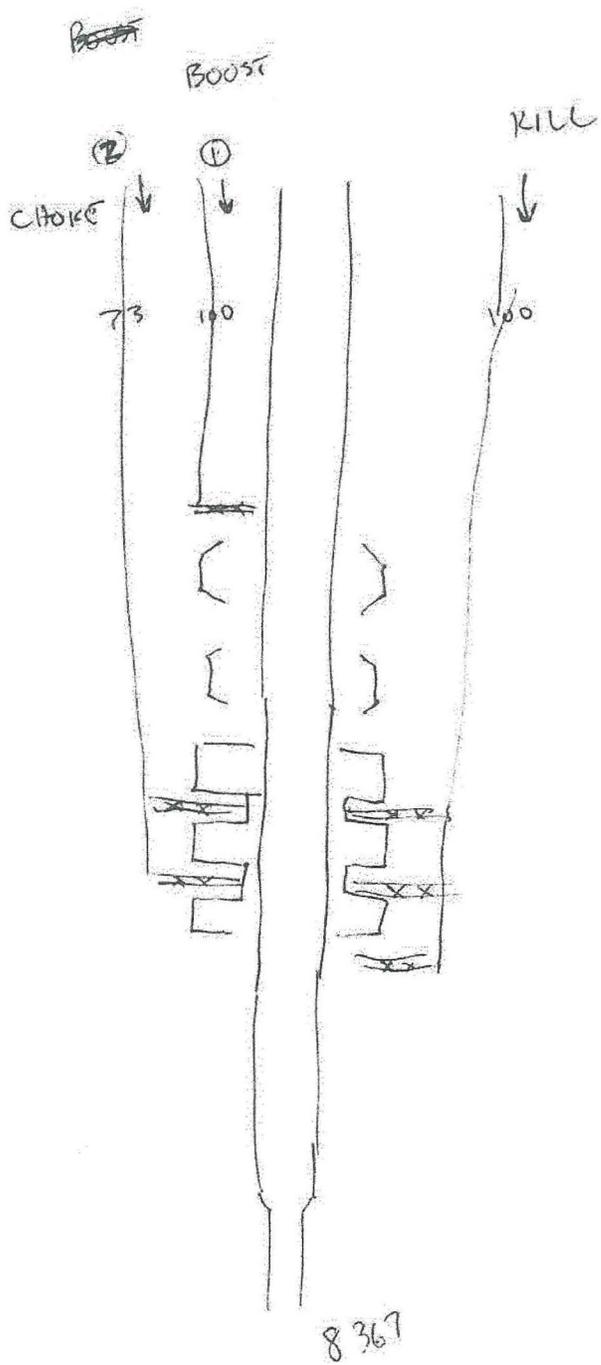
DON'T KNOW IF TOWN TALKED TO MMS
(SUNDRIES)

CONTINUED TO 8367

MI SWACO - LTD - PROGRAMMED DISPLACEMENTS

(COMMENTOR)
WYMAN ARE YOU COMFORTABLE WITH THIS,
(I WENT TO OFFICE)

VANCE DID HIGH PRESS TEST



WHEELER TOOL PUSHER
WYMAN (HAS DONE THIS A LOT OF TIMES
(PUMP CEMENT PWC BA DISPLACEMENT)

VANCE PLUS OTHER CEMENTER

WE DID THE CALL

WHEN DONE, BACK TO RIG FLOOR

WYMAN WAS WORKING TO FILL RISER

DISPLACED SBM +
TO TOP OF ANNULAR
(KILL & CHOKO CLOSED)
DOWN THE DRILL PIPE

APPEARED THEY WERE FILLING RISER
SOME OF MUD HAD DROPPED
SHORT TIME TO FILL (SBM TO TOP OFF)

8367 14 SBM
- 450 BBL SPACER 16.0 TO BAG

PUSHING HEAVY FLUID DOWN DRILL PIPE

ONE GUY WITH FLASHLIGHT TO SEE
IF DROP

CLOSED BAG

SAW 1260 ON DRILL PIPE
1262 (DIGITAL)

LEE MAYBE

RANDY SAID WE COULD MONITOR D.P.
PER APO WE SAID WE WOULD MONITOR KILL
LINE

BOB: WE MAY HAVE U TUBE PRESS OR PUMPING
WE SHOULD BLEED IT OFF

TOLD VANCE TO BLEED OFF
2" DREGO VLV, BLEED OF 15 BSLS
WENT 0; HOLD THIS

DON SAID THEY STOPPED PUMPING

I ASSUMED THEY JUST STOPPED
RANDY: EASEL, WYMAN WORKING ON RISER

WE BLEED TO ~~APPROX~~ ZERO
(RANDY AND I)

I SAID WE NEED TO MONITOR KILL LINE

"LETS OPEN KILL LINE"

OPEN, IT STARTED TO FLOW (VANCE)

I SAID LET'S SHUT IT IN, MAY HAVE
OVERBALANCE ON KILL LINE SIDE

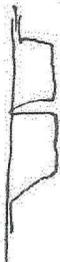
I'LL TALK TO DON AND SEE WHERE
HE WANTS TO MONITOR

I THINK SHUT IN DRILL PIPE SIDE

(IF THEY SHUT IN A CEMENT ^{UNIT} PUMP
IT MAY BUILD BACK)

I SAID JUST

I REALLY DON'T KNOW WHAT THEY DID



PIPE OPEN AT ZERO

OPENED KILL, STARTED TO FLOW,
I SAID)

TND DON WE BOED PIPE TO ZERO

OPENED TO KILL FLOWED A LITTLE

BY APP, WE WERE SUPPOSED TO MONITOR
ON KILL SIDE

DON AGREED

NEW TOOL P. (^{FASOL}~~JASON~~) CAME TO SHACK
OTHER SENIOR T.P (JASON) WAS THERE

LONG DISCUSSION

I DON'T REMEMBER WHOLE STORY
DON DIDN'T WRITE IT DOWN
JASON SAID DON & BOB THIS
HAPENS

SANDWICH SOFT WATER

ANNULAR WILL PRESS DRILL PIPE
TO EQUALIZE PRESS TO DIFF. PRESS

HOW DO YOU KNOW?
ALL DO IT DIFFERENTLY

MURRY SEPULVEDA DOES IT THIS WAY
" " " "

I DIDN'T SAY THAT MUCH

DON : APD SAYS DO THE TEST
VIA KILL LINE,

JASON WE'LL DO IT ON KILL LINE
SO WE DECIDED TO FILL KILL (.

BLADDER WILL PUT PRESS ON FLUID BELOW

18 3/4"

400 000 PSI ON ANNULAR BLADDER
NON-COMP FLUID (SEA WATER)
BETWEEN COMPRESS FLUIDS

SCHOOL

NETONIAN, BINGHAM LAW ... PHD IN FLUIDS
MORE AND MORE COMPRESS FLUIDS

I SAID "DUN DID I GIVE YOU BULGET POINT PROC
FOR CEMENT JOB" I ~~WENT~~ WENT TO
GET IT

~~WEN~~ WHEN I CAME BACK :

30 PSI ON ~~GASE~~ TO KILL, CLOSED CHECK
I DON'T

MINI TRIP TANK (VOL 30 BBLS?)

I STOOD BY PANEL

0.6 BBLS, BLEED OFF 30 → 0
0.8 GAINED (.2 WITH 30)

MONITOR KILL LINE FOR 30 MIN
NO FLOW, JUST FINE

ON DP PRESS BUILDING
BUT NOT BUILDING LIKE

JASON

DP PRESS WAS UP

IT WAS NOT FLOWING; JASON

KILLING LINE WOULD FLOW, IT'S WIDE
OPEN

JASON "IT WILL BUILD TO 1400
THEN LEVEL OFF"

IT WAS NOT FLOWING!

IF YOU'VE SEEN THIS SO MANY
TIMES BEFORE, IT MUST BE TRUE

ABSOLUTELY NO FLOW

I WENT TO BED WITH
NO ANXIETY

I DON'T THINK DON SAID ANYTHING

RANDY GONE

DRUGS SAID WE'VE SEEN THIS

IF WE HAD PRESS, IT WOULD FLOW
OUT THE RILL LINE, NOTHING
FLOWED

RANDY OR VANCE WOULD KNOW IF THEY
WENT TO HALL BURTON

ON BOAT:

I SAID: "JOE DID YOU SEE ANYTHING OUT OF THE ORDINARY?"

J: "NO"

I: "300 BBL GAIN"

J: "LEO WAS PUMPING OUT OF SAND TRAPS"

NEG TEST 7:15 - 7:50

I WENT TO BED

I'M SURE ~~IF~~ EXPLOSION WOKE ME UP

FIRE ALARM WOKE ME UP (DING DING... FIRE)

TRIED TO TURN LIGHT ON

PUSHED BUTTON

LITTLE ~~LIGHT~~^{DUSK} OUTSIDE

WALKED CAUTLY TO BED TO GET CLOTHES

ABANDON DRILLS, ~~AND~~ PUT ON PPE

LACE UP BOOTS (TAKES TIME)

HALWAY, CEILING TILE HAD BLOWN

ONTO STAIRWAY (CAN'T GO UP THERE)

(FROM 310) I BELOW OFFICE

I DIDN'T KNOW HOW TO GET OUT

WENT UP, SAW SMOKE WENT DOWN

PAST MY ROOM

TO BALD GUY: I'M BRAND NEW HERE

BACK TO SPIRAL STAIRCASE

LBZ - PANIC

1 GUY JUMPED

I TOOK IT UPON MY SELF TO CALM
EVERYONE DOWN

LANCE SAID I CAN DRIVE BOAT
CREWMAN^{MAN} CAME AND SAID I NEED A DPO

"ABANDON RIG" "FIND A DPO"

10 OR 12 PEOPLE STANDING
I SAID LOAD BOAT

OCCUPANCY GUY CLOSED DOOR
DOOR OPENED, 4 GUYS IN,
CLOSED AGAIN, STARTED TO LOWER
STARTED ENGINE, ON WATER
DISCONNECT
"GET AWAY FROM RIG"

CLIPBOARD, TAKE ROLL, I ASSISTED

NEAR WORK BOAT, 3-4 RUNGS ON LADDER
I STOOD BY DOOR TO ENSURE NO ONE
GOT PINCHED

PAT OBRYAN & DAVE SIMS TO BRIDGE (BANKSTON)
DON AND I WENT TO BRIDGE

WATCHED THE FIRE
AT FIRST DIDN'T HAVE INTENSITY
IN MY OPINION, BEING FED BY
WELL
CANDLESTICK

BY TIME IT WAS DAYLIGHT, CLEAN, WHITE SMOKE
THEN DARK RESIDUE

INTENSE FLAME BEING FED

DON SAID

SEALS GAVE WAY ON HANGAR, INTO WOOD BORE

WE HEARD MUD CAME OUT OF DIVERTER

WHAT DO YOU SEE ABOUT MISSING?

I WENT TO JOE (MUD LOGGER) IN TRAILER
BEHIND SPILLER

HE SAID: 2 EXPLOSIONS

AFTER FIRST, SMOKE IN MY UNIT

2ND ROOM ALREADY FLAMES

2ND EXPLOSION - KNOCKED EVERYTHING
OFF WALLS

KNOCKED FLAMES OUT

SAW CRANE OPERATOR (DON) ON DECK

2 ROVSTABOOTS COULDN'T HELP

JOE WAS SHOCKED THAN ANYTHING WAS WRONG

DISPLACEMENT WAS GOING PERFECTLY

PAT

5 1/2 ACROSS STACK

WERE THEY SPACED OUT

DID BLOCKS FAIL OR MOVE IN EXPLOSION

TWO ^{SIDES} ~~PASS~~ ON BOP STACK
BOB: I DIDN'T KNOW THAT

DEADMAN SHOULD AUTOMATICALLY FIRE

(3 STICKS
DRILLING GAP, ENG DEG, AND MANY DEGREES

STEVE: MUD BEHIND ?

MUD, SPACER, SEAWATER

BOB: SOM ON BOAT

POS ~~NEG~~ : ABSOLUTELY ROCK SOLID ^{POSITIVE} ~~POSITIVE~~ TEST
NEG ABSOLUTELY " " " "

I BELIEVE THERE IS THIS BLADDER
EFFECT,
WE DIDNOT GET A 2350 PSI NEG TEST
SO DIDN'T HAVE FULL TEST

DEDUCT 700 FROM 2350
IF YOU
JASON

NEG TEST INVITES YOU TO BRING
FLUID INTO RISER

IT ~~SEEN~~ SEES FULL 2350 EVEN AT
WELL BORE HEAD

SOMETHING FAILED

CASING SOLID NO PROBLEM RUNNING
HAD PROB WITH FLOATS
YOU NEVER KNOW HOW GOOD CEMENT JOBS

NEG TEST + SEAL FAILURE

JOE SAW NO CHANGE

OIL & GAS HAD TO COME FROM
1. ANNULAR OR
2. PIPE

I DON'T KNOW IF KILL LINE WAS FULL

WE DIDN'T TALK ABOUT WHAT IF THE NEG
TEST FAILS. ~~THAT WOULD~~

- I WILL ANSWER ANY QUESTION YOU HAVE
WITH ALL HONESTY FROM WHAT I SAW
- WELL CONTROL SCHOOL ON MAY 10

DISASSOC.