

APPENDIX 3 ELGIN G4 EMERGENCY EVENT LOG: 25 MARCH – 26 MARCH

| Date  | Time        | Event   |
|---|-------------|---|
| Notes:<br>Red = Offshore event or action. Blue = Onshore event or action. Black = Communications Offshore/Onshore |             |   |
| 25/03   | 09:00       | called asking for support from Logistics for additional tote tanks and Well Operations for support for the intervention.        |
|   | 09:00       | called a meeting of ; to explain the status and the programme for G4 and that had been some pollution to the sea.               |
|   | 09:15       | contacted who advised status of loading of tote tanks onto Island Empress and ETD.  |
|   | 09:30       | contacted to obtain information on G4 status.   |
|   | 09:40       | in Office.  |
|   | 10:30       | arrived in office 08:20 spoke with ; to obtain technical information on G4 operation.<br>; received update from ; on G4 status. |
|   | 10:35       | contacted Rowan Viking ; to review status.  |
|   | 10:45       | Situation with regard to mud being discharged to sea was discussed with offshore ; arrived at office                            |
|   | 10:48       | spoke to ; regarding mud discharges to environment and possibility to call DECC   |
|   | 10:48-11:15 | spoke to ; to discuss mud overboard at PUQ and advice on completion of PON1   |
|   | 11:00       | contacted ; to advise status.   |
|   | 11:00       | advised no plans to down-man  |
|   | 11:05       | contacted ; regarding status on tote tanks and of operation. ; advised that mud was going to sea via produced water system.     |
|   | 11:10       | contacted ; to discuss discharges to sea:<br>-brine/OBM/hydrocarbons estimated at 2-5 m <sup>3</sup> /hr to sea                 |

| Date | Time  | Event   |
|------|-------|---|
|      | 11:23 | -should PON1 be submitted<br>emailed PON15F chemical permit for G4 killing operation to<br>in office.   |
|      | 11:30 | called<br>to advise and review status. Discussion held on shutting-in wells and categorisation as a well control incident and de-   |
|      | 11:35 | manning.<br>sent email to<br>to inform that oil based mud is being discharged to sea since 10am. Estimated amount 3 to 4  |
|      | 11:36 | m <sup>3</sup>  |
|      | 12:05 | called<br>to advise deterioration of status of G4.  |
|      | 12:10 | advised status on supply vessel and departure.<br>requested availability of helicopters.  |
|      | 12:14 | spoke to<br>to discuss situation regarding mud overboard  |
|      | 12:15 | advised 2 helicopter crews had been mobilised and 90 minutes required to have helicopters available.  |
|      | 12:19 | sent email to<br>to advise that PON1 should be completed and DECC and HM<br>Coastguard should be notified immediately by telephone  |
|      | 12:20 | went to ERR and initiated full mobilisation of Emergency Response Team.<br>called<br>to advise starting to shut-down of other wells, Emergency status and down-manning.   |
|      | 12:30 | Platform GPA sounded. (Due to High High Gas in Wellhead Area resulting in an Elgin WHP ESD1 cascading to PUQ and Franklin ESD2)<br>to Incident Room.  |
|      | 12:30 | Rowan Viking: Closed autochoke on choke manifold and isolation valve downstream of autochoke.<br>went from rig floor to Tcard panel on main deck to check how many persons were on EWHP ( persons on EWHP) and then went to<br>muster.<br>Rowan persons remained at drill floor |
|      | 12:32 | Fire Team ( persons) mustered   |

| Date | Time        | Event  |
|------|-------------|--|
|      | 12:33       | Operations Team ( persons) mustered  |
|      | 12:35       | Standby Boat (Ocean Ness) informed.  |
|      | ~12:35      | Rowan Viking personnel mustered: as personnel accommodated on rig went to Elgin PUG  |
|      | 12:36       | Medical Team mustered.   |
|      | 12:39       | Rowan Viking informed.   |
|      | 12:45       | Full Muster on Elgin PUG: additional personnel from Rowan Viking who escaped across Bridge   |
|      | 12:45       | contacted Maritime & Coastguard Agency (MCA) and advised ERR.  |
|      | 12:45       | Note: on query of MCA classified the status of Elgin PUG & Rowan Viking as in "Distress".  |
|      | 12:45       | arrived in Office  |
|      | 12:45       | arrived at office for briefing and was then mobilised to be at the Maritime Coastguard Agency and  |
|      | 12:45       | arrived at office  |
|      | 12:48       | Full Muster reported on Rowan Viking by Rowan Viking to Elgin as above. discussed with Rowan Viking the preparation of personnel for evacuation. |
|      | 12:49       | Shearwater Platform informed and prepared to provide assistance.   |
|      | ~12:50      | Rowan Viking: persons at rig floor ( ) required to go to muster  |
|      | 12:50       | Well Intervention Emergency Room Event log started from 12:50  |
|      | 12:50       | made contact with for clarification of event.  |
|      | 12:50/12:51 | confirmed Coastguard and DECC informed   |
|      | 12:51       | Note: This maybe a misunderstanding for DECC as it cannot be confirmed and DECC advise the first contact was 14:41 from the ERR.                 |
|      | 12:53       | Well Interventions Emergency Room called Rowan Viking and instructed to come to  |

**TOTAL E&P UK**

| Date | Time  | Event   |
|------|-------|---|
|      | 12:56 | Muster Recorded as Rowan Viking: 110, PUQ: 128<br>called TEP UK<br>called or                                  |
|      | 12:57 | Phased Blow-down commenced  |
|      | 13:00 | Gas check of Heli-deck – OK<br>Note: Not confirmed as PUQ or Rowan Viking.                                    |
|      | 13:00 | arrived at Office and went to   |
|      | 13:00 | All Rowan Viking personnel now mustered in TR, confirmed by<br>Rig on emergency power to reduce ignition risk |
|      | 13:01 | ERR contacted MCA   |
|      | 13:03 | CHC Scotia advised<br>of availability of Helicopters (EC225 - 14:30, CC225 - 15:30)                           |
|      | 13:04 | GPA silenced  |
|      | 13:03 | ERR record full Muster on PUQ and Rowan Viking  |
|      | 13:05 | arrived at Office   |
|      | 13:06 | arrived at Office   |
|      | 13:08 | called<br>with status report  |
|      | 13:10 | arrived at Office   |
|      | 13:15 | arrived at Office   |
|      | 13:21 | Shearwater advised they were able to provide 2MW of power   |
|      | 13:29 | called<br>within Corporate Drilling Operations  |
|      | 13:29 | Decision to evacuate Rowan Viking recorded  |

**TOTAL E&P UK**

| Date | Time  | Event   |
|------|-------|---|
|      | 13:30 | Franklin Platform advised and aware of incident   |
|      | 13:30 | arrived at Office   |
|      | 13:30 | Rowan Viking arrived at Office and proceeded to   |
|      | 13:30 | arrived at Office   |
|      | 13:32 |   |
|      | 13:34 | Franklin ESD1   |
|      | 13:35 | at MCA  |
|      | 13:36 | Gas check completed on Rowan Viking Heli-deck – No gas  |
|      | 13:42 | Helicopter R1 lifted from Rowan Viking with POB and transfer to Rowan Gorilla V   |
|      | 13:43 | informed Police of incident.  |
|      | 13:50 | Bristow advised ERR 2 helicopters available 58A with capacity 17 ETA 14:10 and EC225 with capacity 19 ETA 14:50                                   |
|      | 13:50 | personnel transferred from Lifeboat to Heli-Admin   |
|      | 13:55 | called to advise 2 helicopters with and POB have left Rowan Viking<br>Note: Incorrectly logged as 2 helicopters – was 2 shuttles by R1 Helicopter |
|      | 14:00 | arrived at Office   |
|      | 14:18 | CHC Scotia advised EC225 21P left Aberdeen ETA Elgin 15:00, 21Q left Aberdeen @14:10 ETA Elgin 15:00  |
|      | 14:20 | CMT called  |
|      | 14:22 | Helicopter lifted from PUQ with POB and transfer to Shearwater  |
|      | 14:25 | called  |
|      | 14:25 | called  |

**TOTAL E&P UK**

| Date | Time        | Event   |
|------|-------------|---|
|      | 14:30       | called HSE  |
|      | 14:30       | arrived at Office   |
|      | 14:30       | Police Representative arrived at Office   |
|      | 14:33       | personnel transferred from Lifeboat to Heli-Admin   |
|      | 14:37       | Rowan Viking fully de-manned and TBO Status   |
|      | 14:38       | called  |
|      | 14:40       | Police Representative arrived in ERR and called Force Control Room  |
|      | 14:41       | Contact made with DECC  |
|      | 14:43       | Helicopter lifted from PUQ with POB and transfer to Shearwater  |
|      | 14:48       | Call back from Police Control Room Inspector  |
|      | 14:49       | personnel transferred from Lifeboat to Heli-Admin   |
|      | 14:52       | Helicopter lifted from PUQ with POB and transfer to Shearwater<br>personnel transferred from Lifeboat to Heli-Admin |
|      | 14:59       | Helicopter lifted from PUQ with POB and transfer to Shearwater  |
|      | 15:00-15:10 | and called  |
|      | 15:00       | personnel transferred from Lifeboat to Heli-Admin   |
|      | 15:04       | Helicopter lifted from PUQ with POB and transfer to Shearwater<br>personnel transferred from Lifeboat to Heli-Admin |
|      | 15:05       | Police called Police Media section.   |

| Date | Time  | Event  |
|------|-------|--|
|      |       | Relative Responders Room Set-up.   |
|      | 15:05 | Well Interventions Emergency Room recorded status of valves on choke manifold (A returns confirmed): A&B autochokes closed and valves 23 and 24 closed recorded                  |
|      | 15:15 | called   |
|      | 15:15 | Call to Police Control Room Inspector with update relating to response   |
|      | 15:17 | Helicopter lifted from PUQ with POB and transfer to Shearwater   |
|      | 15:20 | arrived at Office.   |
|      | 15:20 | arrived at Office  |
|      | 15:20 | personnel transferred from Lifeboat to Heli-Admin  |
|      | 15:28 | Helicopter lifted from PUQ with POB and transfer to Shearwater   |
|      | 15:29 | personnel transferred from Lifeboat to Heli-Admin  |
|      | 15:37 | Helicopter lifted from PUQ with POB and transfer to Shearwater<br>personnel transferred from Lifeboat to Heli-Admin  |
|      | 15:40 | arrived at Office.   |
|      | 15:50 | ERR recorded uncertainty in POB and requested head count.  |
|      | 15:58 | Oil Spill Response Ltd. (OSRL) representative mobilised to ERR – ETA 16:30   |
|      | 16:00 | Helicopter lifted from PUQ with POB and transfer to Aberdeen   |
|      | 16:05 | arrived at Office.   |
|      | 16:25 | Muster of all personnel in MCR.<br>spoke with to confirm POB and advise status and request helicopter to remain in Field on standby.<br>reviewed final POB to remain on Platform |

**TOTAL ESP UK**

| Date | Time  | Event   |
|------|-------|---|
|      | 16:26 | Well control and requested mobilisation.  |
|      | 16:28 | called Capita. Capita mobilised to Airport Thistle Hotel to await flights   |
|      | 16:30 | Note: Call received from BG ~15.45  |
|      | 16:35 | Oil Spill Response Ltd. (OSRL) representative arrived at Office   |
|      | 16:35 | DECC Representative arrived at Office   |
|      | 16:55 | Bristow Helicopter 70X departed Aberdeen 16:55 ETA Rowan Gorilla 5 17:50, 70Y depart Aberdeen 16:55 ETA Shearwater 18:00  |
|      | 16:55 | arrived at Office   |
|      | 17:15 | called DECC.<br>DECC requested overflight of location on 26 March   |
|      | 17:15 | ERR recorded discussion on organising overflight at first light on 26 March. OSRL Representative to organise flight.  |
|      | 17:15 | arrived at Office   |
|      | 17:15 |   |
|      | 17:17 | confirmed status of G4 tree valves and TRSCSSV: open and connected to Expro panel   |
|      | 17:25 | Helicopter lifted from PUQ with POB and transfer to Aberdeen.<br>Note: POB remaining on board   |
|      | 17:25 | ERR records preparation of PON1 for submission to DECC.<br>ERR records light sheen seen by last fly-by. Action plan being progressed.   |
|      | 17:30 | arrived at Office.  |
|      | 17:35 | CHC helicopter EC225 CN depart Aberdeen 17:35 ETA Rowan Gorilla 5 18:29, S92 CZ depart Aberdeen 17:40 ETA Rowan Gorilla 5 18:34, EC225 CL depart Aberdeen 17:55 ETA Rowan Gorilla 5 18:55 |



# TOTAL E&P UK

25 March 2012 Elgin G4 Gas Leak Incident  
REPORT - Appendices

| Date | Time  | Event   |
|------|-------|---|
|      | 18:59 | MICO at MCA was stood down. to report back to ERR for debrief after briefing at 19:30 with MCA. to set up half hour update with MCA.  |
|      | 19:06 | 6ESDV1086 G4 Annulus A valve opened at request of ERR and with Offshore Team Agreement.   |
|      | 19:10 | Bristows helicopter 70X arrived Aberdeen from Rowan Gorilla 5.<br>Bristows helicopter 70Y arrived Aberdeen from Shearwater.<br>CHC helicopter CN ETA Aberdeen 19:44 from Rowan Gorilla 5, CM ETA Aberdeen 19:50 from Hans Deul, CZ ETA Aberdeen 20:00 from Rowan Gorilla 5. |
|      | 19:15 | Media Responders Room Set-up.<br>DECC called  |
|      | 19:19 | No gas detected on PUQ, High High gas Detected on Lower and Mezzanine decks of EWHP.  |
|      | 19:20 | OSRL Technical Administration confirmed aerial surveillance aircraft Dornier 228 from Cobham to reposition to Aberdeen.   |
|      | 19:22 | PON 1 submitted via EPON system – ref PON 1 946.<br>ERR recorded OSRL support status and planning.  |
|      | 19:30 | Elgin Franklin called to discuss status and planning for personnel still on board.  |
|      | 19:30 | Manual valve closed on deluge feed to EWHP<br>Note: To prevent static ignition risk   |
|      | 19:41 | Hydraulics isolated on EWHP due to suspected hydraulic leak   |
|      | 19:41 | Team Brief in MCR to provide update and forward plan.   |
|      | 19:50 | called to confirm 19 POB on PUQ and with update and preference to keep helicopter in Field overnight.   |
|      | 20:05 | CHC Helicopter CN ETA Aberdeen 20:05 to Hans Deul ETA 20:55, CM Aberdeen ETD 20:23 to Hans Deul ETA 21:15, CL to remain on stand-by on Rowan Gorilla 5 overnight.   |
|      | 20:10 | called to clarify POB.  |

| Date | Time  | Event  |
|------|-------|--|
|      | 17:43 | and left a message as no answer.   |
|      | 17:50 | OIM Team Brief in MCR to provide update and forward plan.  |
|      | 18:00 | MCA advised of status.   |
|      | 18:08 | Lifeboats checked for possible launch  |
|      | 18:10 | arrived at Office.   |
|      | 18:11 | notified Scottish Environment Protection Agency (SEPA). SEPA Communication Assistant will call SPA Duty Officer and advises will call back if more information required.   |
|      | 18:13 | called with update on status and planning and options. requested to contact MCA and confirm status and plan.<br>Blow down confirmed as almost complete.  |
|      | 18:17 | Viking called Well Interventions Emergency Room from Rowan Gorilla V and confirmed cement unit isolated with valve #5 on choke manifold  |
|      | 18:20 | confirmed platform status with MCR   |
|      | 18:35 | ERR log records had confirmed status and plan ahead with MCA.<br>Ekofisk SAR Helicopter +/- 45 mins. Onshore SAR = 1.5 hours.<br>requests clarity from Well Control Team on risk/possibility of escalation. to discuss with Well Interventions Emergency Room' |
|      | 18:40 | called OSRL and requested mobilisation of equipment to Inverness.  |
|      | 18:40 | Team Brief in MCR to provide update and forward plan.  |
|      | 18:40 | SEPA representative called for update. Advised DECC and OSRL representatives are in building. No further information required.   |
|      | 18:44 | in Office  |
|      | 18:55 | HR Representatives at Bristows to meet 2 Flights.<br>Contractor Liaison have contacted all Companies. Larger Contractors have representatives at Reception Centre.   |

| Date  | Time  | Event  |
|-------|-------|--|
|       | 20:23 | OSRL called  |
|       | 20:55 | arrived in Office  |
|       | 20:58 | called Head of Europe-America Zone Corporate Drilling Operations upon receiving agreement from TS director to mobilise TOTAL Blow Out Task Force     |
|       | 21:00 | from Wild Well Control arrived at Altens office and joined Well Interventions Emergency Room   |
|       | 21:14 | CHC Helicopter CN Depart Hans Deul 21:14 ETA Aberdeen 22:10, CM depart Hans Deul 21:30 ETA Aberdeen 22:30.   |
|       | 21:25 | ERR recorded Field status  |
|       | 21:28 | confirmed surveillance flight planned to be on site at Elgin at 07:30 on 26 March at first light at 06:57.   |
|       | 21:59 | received call from Headquarters Drilling Division with information on initial composition of BOTF  |
|       | 22:00 | discussed with planning for surveillance flight and hourly updates on status of weather and gas leak. to contact MCA at 22:00 with update in status. |
|       | 22:06 | sent an E mail to Headquarters Drilling Division Head of Drilling Operations Europe-America) to confirm mobilisation of BOTF                         |
|       | 22:30 | spoke with pilot of helicopter on standby on Rowan Gorilla V. Pilot advised he was willing to fly at night.  |
|       | 22:43 | DECC Inspector left Altens   |
|       | 22:58 | ERR Log records weather and G4 status  |
|       | 23:05 | Call from to have update from Well Interventions Emergency Room  |
|       | 23:20 | r changeover   |
|       | 24:00 | ERR Log recorded weather and G4 status   |
| 26/03 | 01:20 | Contacted Grampian Police Control Room ( ) to advise status:<br>Onshore: persons<br>PUQ: persons   |

# TOTAL E&P UK

| Date | Time  | Event  |
|------|-------|--|
|      |       | Franklin: persons<br>Rowan Gorilla V: persons + pilots<br>Hans Noble Deul:   |
|      | 01:20 | reported rising gas levels in WHP switchroom to ERR  |
|      | 01:24 | High gas 6WQR – GT003 10% LEL within ELA Equipment Room Lower Deck Level.  |
|      | 01:24 | Call to to advise rising gas levels in EWHP Switchroom   |
|      |       | spoke with in CMT to review status.  |
|      | 01:36 | ERR recorded status of interfield pipelines, Franklin, G4 and that WHP Switchroom HVAC is off but gas level is airlocks is 100% LEL. |
|      | 01:41 | PON 1 updated.   |
|      | 01:45 | Decision taken to Abandon Platform   |
|      | 02:00 | ERR recorded all wells shut-in.  |
|      | 02:12 | ERR recorded all POB mustered and ready to abandon.<br>PUQ Firepumps in manual.<br>MCR being evacuated                               |
|      | 02:15 | called Group E&P who advised that Group Cellule de Crise will mobilise at around 07:00   |
|      | 02:15 | ERR advised MCA of abandonment.  |
|      | 02:17 | HSE advised of abandonment.  |
|      | 02:23 | DECC advised of abandonment.   |
|      | 02:25 | Police advised of abandonment.   |
|      | 02:30 | ERR recorded helicopter departed Elgin PUQ, ETA Aberdeen 03:30   |
|      | 02:38 | Franklin started emergency generator.  |

**TOTAL E&P UK**

| Date | Time            | Event   |
|------|-----------------|---|
|      | 02:34           |   |
|      | 02:41           | Ocean Ness moved to position close to Franklin as standby vessel.   |
|      | 02:47           | contacted all Contractor Representatives for Flight 21T –CL.  |
|      | 02:50/<br>03:00 | Shell SEAL Pipeline MCR advised lost contact with PUQ. ERR advised status and received SEAL MCR Contact.                                    |
|      | 03:40           | Helicopter CL landed at CHC Terminal.   |
|      | 08:53           | MCA advised that an unofficial Temporary Exclusion Zone is in place and that an official Exclusion Zone will be advised by SOSREP at ~10:30 |
|      | 17:00           | Arrival of . Meeting with TEP UK and Wild Well control to review status and discuss way forward   |

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