

COMMITTEE ON NATURAL RESOURCES
114th Congress Disclosure Form
As required by and provided for in House Rule XI, clause 2(g)(5)

“Innovations in Safety Since the 2010 Macondo Incident”

April 22, 2015

For Individuals:

Name:
Address:
Email Address:
Phone Number:

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For Witnesses Representing Organizations:

Name:
Name of Organization(s) You are Representing at the Hearing:
Business Address:
Business Email Address:
Business Phone Number:

Charles R. Williams II
Center for Offshore Safety / API
1220 L Street, NW, WDC 20005



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For Nongovernment Witnesses ONLY:

1. Please attach/include current curriculum vitae or resume.
2. Please list any federal grants or contracts (including subgrants or subcontracts) related to the subject matter of the hearing that were received in the current year and previous two calendar years by you or the organization(s) you represent at this hearing, including the source and amount of each grant or contract.

None.

3. Please list any contracts or payments originating with a foreign government related to the subject matter of the hearing that were received in the current year and previous two calendar years by you or the organization(s) you represent at this hearing, including the amount and country of origin of each contract or payment.

The following agreements may be responsive to the Committee’s request, and we include them in an effort to be thorough. All of the following agreements are in place to allow API to share, augment, and widely distribute our globally-recognized industry standards, certification and training programs with other nations seeking to improve the safety of offshore operations:

1. China National Offshore Oil Corporation, bilateral cooperation agreement in standardization, certification and training, no amount (2014)
2. Chinese National Petroleum Corporation, bilateral cooperation agreement in quality, standardization, and training, no amount (2014)
3. Oil Industry Safety Directorate (India), bilateral cooperation agreement in standardization, certification and training, no amount (2014)
4. CNPC Research Institute of Petroleum Exploration & Development and China National Technical Import & Export Corporation, license agreement to translate and distribute API standards, \$68,228.72 (2015)
5. National Hydrocarbons Commission (Mexico), bilateral cooperation agreement in standardization, certification and training, no amount (2015)

Personal Details

Surname:
Given Name:
telephone number:
Mobile number:

Williams II
Charles Reid (Charlie)

Email:

Current employment details

Initial date joined:

June 2012

Organization

Center for Offshore
Safety/API

Current Position

Executive Director

Other relevant details

Education

BS - Mechanical
Engineering - 1971
University of Tennessee -
Knoxville TN, USA
Thermodynamics & Heat
Transfer Specialization
Graduated with High Honors
Tau Beta Pi - Engr Honor
Society
Phi Kappa Phi - Academic
Honor Society

Languages

English

Additional Information/Experience/Awards

API Industry Team Leader –
Center for Offshore Safety
Study Team
Chairman of the Board –
Center for Offshore Safety

Technical and managerial
team that established the
Marine Well Containment
project and Company
Marine Well Containment
Company Board Member
Marine Well Containment
Project Operating
Committee

Registered Professional
Mechanical Engr by Exam
Member of the US
Department of Interior -
Offshore Energy Safety
FACA
University of Texas – Austin
- Petroleum Engineering
Curriculum Advisory
Committee
Honored guest professor at
two Chinese Universities

Awards:

Offshore Energy Center
inductee to Hall of Fame as
an Industry Pioneer.
Society of Petroleum
Engineers Regional Health
Safety and Environmental
Award
OTC Special Citation for
Contributions & Creation of
the Center for Offshore
Safety
Shell Director's
Performance Excellence
Award for Outstanding
Contributions to HSSE
Department of Interior –
“Corporate Leadership
Award”
Offshore Engr Assoc –
“Project of the Year Award”
- MARS TLP reconstruction
post Hurricane
NOIA- “Safety of the Seas
Award” - MARS TLP
reconstruction - + 1 million
staff hours without any
recordable
UK Energy Institute -
‘Technology Award’ -
MARS TLP pipeline repair

in 3000 ft of water post
Hurricane
API Citation for Service
Offshore Operator's
Committee Recognition
Award
Shell E&P Co Leadership
Award for Professional
Mastery

Industry Associations:

Life Member of Society of
Petroleum Engineers
Chaired the post-Horizon
Joint Industry Task Force -
Subsea Well Control &
Containment
Chairman API General
Committee on Special
Programs
Chairman API Executive
Committee on Standards
Leader API Tech Advisory
Group to Up Stream
Committee
SPE Forum Chairman -
Artificial Lift Forum
Member SPE Reserves
Committee
Chairman API R&D
Committee
API - Special Budget Rep to
the General Committee
Chairman API 1998 Annual
Conference
Chairman API Standards
Committee 1 - Oilfield
Equipment
Chairman ISO SC7 - Well
Equipment
Member US TAG to ISO
TC67
Member API Committee 6 -
Wellhead Equipment
Executive Committee –

Houston World Petroleum
Congress

Presentations/Testimony:

Center for Strategic and
International Studies
Presidential Commission on
Horizon

Nuclear Energy Institute
National Academy of
Engineering Commission –
Deepwater Horizon
Investigation

NAE TRB - Marine Board
NAE TRB – SEMS
Committee

NAE TRB – Horizon
Investigation – Safety Case
NAE Committee – BSEE
BAST

Chemical Safety Board
Hearing – Safety
Performance Indicators.

Chaired the BSEE/Argonne
Labs Workshop – Effects of
Water Depth.

National Conference on
Science – DC - “Root
Causes of Incidents and
Responses”

International Regulators
Forum

BSEE/USCG Standards
Forum

Other:

Co-op University Student -
Two years of Aerospace
R&D with US Air Force
Graduated with Honors - US
Army Reserve NCO
Academy
Certificate of Achievement
& Outstanding Graduate –

US Army Advanced Individual Training
 Outstanding Trainee – US Army Basic Training
 7 years US Army National Guard - Honorable Discharge

Career History *

<p>Start : Jun/2012 End : Present Position : Executive Director Employing company : Center for Offshore Safety</p>	<p>Highlights:</p> <p>Provide senior leadership to the Center for Offshore Safety (COS)</p> <ul style="list-style-type: none"> o Develop the Center's mission, goals and vision o Establish long-term strategies to ensure the Center's success and continuous improvement, o Promote transparency of the Center's operations o Determine direction and pace of program and administrative activities o Recommend performance metrics to the industry, o Address resource requirements , and ensure the Center is self-sustaining o Assuring oversight of Center personnel o Developing and managing COS Administration <p>Interface with the COS Governing Board</p> <p>Participate in industry forums and meet with stakeholders to share progress and success</p> <p>Foster and maintain credible and effective relationships with relevant government and non-governmental organizations to ensure that COS activities are consistent and not in conflict with, government programs</p> <ul style="list-style-type: none"> • Assure the Center's objectives and mission are met while also serving as a sounding board for industry members; also assure sufficient management systems in place to manage change processes • Participate in industry forums and meet with stakeholders to share progress and success
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<p>Start : Apr/2010 End : May/2012 Position : Chief Scientist – Special Assignment – Horizon Response Employing company : Shell Oil – Corp</p>	<p>Highlights: Design team leader for COS. Gained Presidential Commission, BSEE, C Recommendation made to API Executive Board and accepted Served as the COS Board Chairman Create Marine Well Containment Program original study team, project manager Board of Directors Responsible for all Shell strategy at Macondo. Responsible for modifying & enhancing standards Responsible for external affairs work and Government Agencies Responsible for Shell work on Horizon Industry Associations Spokes-person for Shell and the Inc Macondo enhancements and improvements events and presentations Review post Horizon DW well plan</p>
<p>Start : Jul/2006 End : Apr/2010 Position :</p>	<p>Highlights: Responsibilities included: - Establish Shell Strategy and program for R&D - Review and advise on major projects and technical issues - Be an internal/external technology ambassador</p>

<p>Chief Scientist – Well Engr & Prod Tech</p> <p>Employing company: Shell Oil - Corp</p>	<ul style="list-style-type: none"> - Be a leading expert in Well Engr & Prod Tech - Advise Senior Leaders on trends in technology, major projects, and technical issues - Identifying technologies based on business need and ensure development & implementation - Act as a role model and advisor for researchers & technical staff
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<p>Start : Oct/2005</p> <p>End : Jun/2006</p> <p>Position : Vice President – Hurricane Recovery</p> <p>Employing company: Shell EPT</p>	<p>Highlights:</p> <p>Responsible for all Shell hurricane recovery in GOM. Major project MARS TLP reconstruction. Significant success - ahead of schedule & below budget & included significant safety & technical accomplishments:</p> <ul style="list-style-type: none"> - Multi-national workforce of 650 worked 1.1 million hours without a recordable injury - DW pipeline repair in 3000 ft of water with ROV's - Moored a Flotel in DW bridge connected to TLP - Deconstruction proj with a single lift of 1100 tons
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	Project won three major industry awards including project of the year. Personally received Corporate Leadership Award by US Dept. of Interior.
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Start : May/2003 End : Sep/2005 Position : VP - R&D - Existing & Developing Assets Employing company : Shell International E&P Inc. - Lab	Highlights: Managed the Discovery, Development, & initial Deployment of New Technology in all phases of existing & developing assets - including subsurface. Managed contributions in well technology focused on enabling DW wells and well completions - including expandable tubulars & DW sand control. Part of the EP R&D Council & Technology Steering Management Team. Managed Technology Deployment Council & EPT-R Deployment process.
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Start : Jan/2002 End : May/2003 Position : VP - Surface & Wells Technology Employing company : Shell E&P Co - Corp	Highlights: Key contributor to Technology Strategy Management Team. Developed tech implementation plan fully integrated into the business plan. Resulted in significant up-take of technology by the Assets. Managed Technical Recovery Team for the Brutus TLP Member Global Redesign team for the Shell global R&D Lab and Technology group. Received Shell E&P Co Leadership Award for Professional Mastery for established a new major project review process.
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Start : Jan/2001 End : Dec/2001 Position : General Manager - Technology Implementation Employing company : Shell E&P Co - Corp	Highlights: Participated in numerous major DW project reviews including first DW waterflood. Managed Shell Technology plan Responsible for expandable casing design and installation. On management committee of Shell joint venture. Managed Shell Tech Council.
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Start : Nov/1997 End : Dec/2000 Position : General Manager - Well	Highlights: Tech consultant various major projects and incidents including the Mensa Project Subsea Recovery. Team member of the team that established the world-wide Shell Well Engr Forum
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Systems Employing: Shell E&P company Co - Corp	Implemented Drill-the-Limit in Shell E&P Co. Implemented Value Assurance Reviews of major projects & developments Developed expandable solid tubes and new Shell Joint Venture Company – ran first ever expandable casing Member & Key Contributor "Executive Com" of World Engr Congress. Conducted major field reviews including Calif.
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Start : Jan/1996 End : Oct/1997 Position : R&D GM - Drilling & Development Technology Employing: Shell E&P company Co – Research Lab	Highlights: Responsible for all drilling & prod tech R&D, Tech Service, & Tech Implementation. Developed major high rate well technology, solved DW Shallow Water flow problem. Leader of the DW Technology Council.
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Start : Sep/1988 End : Dec/1995 Position : Head Office Manager - Production Engineering Employing: Shell Oil - company Corp	Highlights: Responsibility for R&D program planning, corp wide tech staff development, deployment, skills, & capability. Enhanced production engr computing tool kit including Shell's first production surveillance & analysis program. Responsible for tech consulting & peer assists. Chaired Shell Quality Committee that develops stds for sour & HP/HT wells. Conducted first high rate well workshop in Shell which was a milestone in enabling high rate DW wells.
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Start : Jul/1987 End : Jul/1988 Position : Division Operations Manager Employing: Shell Oil - company Onshore	Highlights: Managed all operations staff including drilling staff, drilling rigs, and one company rig. Successful on-site Mgr for a major HP/HT well blow out in S. Tx. Received special recognition for speed, effectiveness, & safety.
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Start : Aug/1985	Highlights:
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End : Jun/1987 Position : Manager - Technical & Operations Training Employing company : Shell Oil - Corp	Managed all of the Shell Oil Tech & Ops Trng program. Completely revised & modernized all course content. Modernization & up-dated well control training.
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Start : Mar/1983 End : Jul/1985 Position : Division Engineering Manager Employing company : Shell Oil - Offshore	Highlights: Full responsibility for all the development program, development drilling, and construction projects of a tech staff of over 300. Executed five major offshore developments that were HP/HT.
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Start : Jan/1982 End : Feb/1983 Position : Manager of Deep Well Engineering Employing company : Shell Oil - Corp	Highlights: Managed senior tech staff department that developed well equipment for HP/HT wells up to 50% H2S and 30ksi. Developed & managed HP/HT materials tech prog. Designed and developed extreme metal seal well equipment including 20ksi safety valves including specifications and new CRA materials.
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Start : Apr/1979 End : Dec/1981 Position : Production Superintendent Employing company : Shell Oil - Offshore	Highlights: Managed all staff & operations including onshore processing & compression facilities at four locations. Operated and completed the deepest highest geopressure wells in the GOM. Started up 9 new offshore platforms including all new staffing. Successfully managed and resolved a major well control event on a HP/HT offshore gas well.
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Start : Jul/1978 End : Dec/1979 Position : Division Engineer Employing company : Shell Oil - Offshore & Onshore	Highlights: Full responsibility for well surveillance, optimization, completion, reconditioning, & drilling ops support. Designed, completed, and operated wells up to 50% H2S/30ksi trees including highest pressure offshore well. Planned, designed, & executed the first ever GOM HP/HT sour gas well test.
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<p>Start : Oct/1976</p> <p>End : Jun/1978</p> <p>Position : Senior Reservoir Engr</p> <p>Employing company: Shell Oil - Coastal</p>	<p>Highlights:</p> <p>Conducted all reservoir simulation & flood design of the White Castle La. steam injection flood.</p> <p>Converted reserves from sand basis to reservoir basis for FERC.</p> <p>Developed new techniques for analysis of BHP in HP/HT gas wells using modified z factor and other techniques.</p>
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<p>Start : Oct/1973</p> <p>End : Sep/1976</p> <p>Position : Production Engineer</p> <p>Employing company: Shell Oil - Coastal</p>	<p>Highlights:</p> <p>Completed the second ever HP/HT gas field in the US which included new technology tubing, casing, packer, tree, and safety valves.</p> <p>Conducted coil tubing, HP/HT perforating, thru tubing bridge plug, & prod logging operations.</p> <p>Full responsibility for geology, reservoir engr, economics, petrophysics, and production engr for all well interventions.</p> <p>Responsible for completion designs of steam injection and production wells in the White Castle steam flood - a sour, HP, light oil steam flood and first in La.</p>
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<p>Start : Oct/1971</p> <p>End : Sep/1973</p> <p>Position : Engineer</p> <p>Employing company: Shell Oil - Coastal</p>	<p>Highlights:</p> <p>Responsible for well surveillance, intervention, and optimization for 5 onshore gas fields.</p> <p>Designed & Executed 15ksi gas well completions – some of the first in US.</p> <p>Delivered surveillance, well reviews, optimization, & reconditioning of the wells.</p> <p>Managed field operations & foreman vacation relief including perforating, logging, etc.</p>
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