



OOC SEMS FORUM OUTPUT DOCUMENT

Issue Date September 15, 2016

Disclaimer

"The materials generated for the 2016 OOC SEMS Forum, inclusive of the checklist files, were generated from a volunteer effort within the OOC SEMS Subcommittee. These materials drew upon lessons learned from multiple operators and contractors from a wide variety of activities. Each operator or entity is solely responsible for verification and modification of these materials for their organization's needs prior to use. The OOC, its staff and all of the contributing volunteers assume no liability for the content or use of the produced materials."

OFFSHORE OPERATORS COMMITTEE
staff@theooc.us



1 Forum Objectives and Planning Committee

The forum main objective is to share lessons learned around several key areas identified by the OOC SEMS subcommittee. A planning committee was formed and they developed the specific outline objectives below.

1.1 Objectives

The OOC SEMS forum was an interactive forum for mid-level management and down with best practices and topical checklist developed by the planning committee and forum participants. The topics discussed were:

- HAZID Tool
- Loop / Unmanned Facility Operations Best Practices
- Managing SEMS during Acquisitions and Divestitures
- Managing SEMS during an Industry Downturn
- Decommissioning Efforts
- MODU / Liftboat Operations

1.2 Planning Committee

This table contains the names and companies of those involved in the planning and organizing of this forum.

Name	Company
Ernie Thibodeaux	Ankor Energy LLC
Tim Westerman	Ankor Energy LLC
Wade Broussard	Arena Energy
Charlie Duhon	Arena Energy
Tommy Gibilterra	Bisso Marine
Roy Buchler	Bisso Marine
David Reisman	Bisso Marine
John Cannon	Chevron
Nolan Weaver	Chevron
David Dykes	Chevron
David Helminiak	EnVen Energy Ventures
Troy Roberie	EnVen Energy Ventures
Tery Trahan	Fieldwood Energy
Katherine Gamble	Renaissance Offshore
Jason Sullivan	Stone Energy
Patrick Eiland	Stone Energy
Steve Frantz	Talos Energy
Raywood Menard	Trinity Lift Boat Services
Susie Ellander	Trinity Lift Boat Services
Bryan Mack	Wood Group PSN
John Cothorn	Wood Group PSN



2 Agenda

The 2016 OOC SEMS forum was hosted by the Shell Robert Training Center on July 27th. The agenda for the day is below.

- | | |
|---------------|---|
| 7:30 – 8:00 | Registration / Continental Breakfast |
| 8:00 – 8:15 | Introduction <ul style="list-style-type: none">• OOC - Evan Zimmerman• EnVen - David Helminiak• Stone Energy - Jason Sullivan |
| 8:15 – 8:30 | HAZID Tool <ul style="list-style-type: none">• Ankor – Ernie Thibodeaux, Tim Westerman |
| 8:30 – 9:50 | Loop / Unmanned Facility Operations Best Practices <ul style="list-style-type: none">• EnVen - Troy Roberie• Wood Group - John Cothorn, Bryan Mack |
| 9:50 – 10:10 | Break |
| 10:10 – 11:30 | Managing SEMS During Acquisitions and Divestitures <ul style="list-style-type: none">• BSEE - Stanislaus (Stan) Kaczmarek, Jason Mathews• Renaissance – Katherine Gamble |
| 11:30 – 12:30 | Lunch |
| 12:30 – 1:00 | Managing SEMS during an Industry Downturn <ul style="list-style-type: none">• Keynote speaker: Elmer “Bud” Danenberger |
| 1:00 – 2:30 | Decommissioning Efforts <ul style="list-style-type: none">• BSEE - Stanislaus (Stan) Kaczmarek, Jason Mathews• Talos - Steve Frantz |
| 2:30 – 3:00 | Break |
| 3:00 – 4:30 | MODU / Liftboat Operations <ul style="list-style-type: none">• BSEE - Stanislaus (Stan) Kaczmarek, Jason Mathews• Stone - Partrick Eiland, Travis Taylor |
| 4:30 – 5:00 | Closing Remarks (OOC, BSEE) |



3 Pre-Forum Survey

This was an online survey sent to all registrants to assist the planning committee with areas of interest and concerns related to the forum topics.

3.1 Online Pre-forum Survey Questions

The following questions comprised the pre-form survey.

- How does your firm address PIC/UWA designations for loop operators where individuals may work alone on a facility when roving around a field?
- What percentage of facilities that your firm has acquired have been fully (or at least 90%) SEMS compliant (all requirements met & required documents provided by previous operator) at the time of operational transfer to your firm?
- How has your firm addressed defining, assessing & planning action to close any gaps that existed at the time of operational transfer?
- Does your firm have a specific protocol for the transfer of SEMS materials to the acquiring party or verification of receipt from the previous operator?
- As an Operator, do you conduct due diligence on Liftboat/MODU compliance with regulations and fitness for service?
- Do you consider Bridging documents in harmonizing SEMS with SMS, safety systems and other HSE Policies between Operator and Liftboats/MODU's?
- Do you consider who is in Charge? Operator PIC or Master? Assignment of Ultimate Work Authority? How do you designate UWA? What challenges does this pose when there is conflicting authorities, such as a licensed Master who has ultimate authority on a vessel?
- Do you conduct Pre-Job Planning prior to operations on a Liftboat/MODU?
- Do you conduct job/equipment specific Hazard Analysis for these type operations?
- Do you consider NPDES responsibilities for the Liftboat/MODU/Operators and any other environmental considerations?
- What other challenges/concerns do you have in interfacing with Liftboats/MODU's, Operators?



3.2 Additional Survey Feedback

The following questions and statements were captured from the pre-forum survey in an open field text box.

- Risked Based Inspections (RBI), how many facilities will be subjected to RBI's in the GoM each year? Will a facility RBI be in addition or included in an annual inspection and or SEMS audit?
- How do platform operators handle third party operations such as those conducted by pipeline companies under DOT jurisdiction?
- How has BSEE verified contractor safe work practices and training during audits? Is it acceptable to strictly allow the operator to say they verify through an industry data base such as PEC or ISN versus meeting face with the contractor to verify?
- ISN & PEC are good places to start, but they don't provide all that is required by the regulation. How do operators ensure they are fulfilling all of the requirements of 30 CFR 250 1914 & 1915 for employees and contractors.
- Is the technology realizable enough to go to totally unmanned operations?
- Validation or verification that the contractor is fulfilling, or has the potential to fulfill, the requirements of the SEMS Bridging agreement can only be accomplished through contractor audits conducted by the operator or an independent third-party that include office and field visits.



4 Presentation Highlights

Copies of the presentations that were presented at the forum are accessible on the OOC website (<http://oocmain.theooc.us/semsforum2016.html>). The following subsections are a summary of the discussions.

4.1 HAZID Tool

- Web-based hazard identification training tool, easily accessible
- Personnel training for facility field employees, contract support and office employees involved with planning and coordinating field work activities
- Incorporates recognized hazards into the job safety environmental analysis (JSEA) process
- Increase value to the company's behavioral base process
- No cost

4.2 Loop / Unmanned Facility Operations Best Practices

- Framed the challenge of loops and unmanned facilities with three questions:
 - How do you ensure the necessary SEMS information is communicated and being practiced on loop operations?
 - How do you manage the challenges of confirming the skills, knowledge and performance of the loop operators?
 - How does the contractor ensure with the different operators SEMS program are being implemented correctly?
- Operators manage unmanned platforms through personnel management, job planning, communication and documentation requirements
- Contractors working under a variety of SEMS programs as you move from platform to platform manage through bridging documents, personnel management, job planning, communication and documentation requirements

4.3 Managing SEMS During Acquisitions and Divestitures

- BSEE Perspective to SEMS through Acquisitions and Divestitures
 - SEMS objectives are to focus attention, continuous improvement, to encourage use of performance-based practices and to collaborate with industry on safety and environmental protection
 - BSEE Expectations
 - A SEMS that is developed, implemented and maintained from the start of OCS activities
 - A SEMS relevant to design, construction, start-up, operations and decommissioning of all new and existing facilities when attached to the seabed and DOI regulated pipelines
 - BSEE Concerns
 - Inadequate transition plans that lead to gaps in SEMS coverage, consistency and effectiveness
 - Confusion about date on which the next SEMS audit will be required
 - Operators that begin operating on the OCS are expected to operate under a SEMS from Day 1
 - Key SEMS elements that should be addressed prior to Day 1 operations while the acquired OCS facilities continue to operate under either an existing SEMS program or a robust transition plan
- Operator Perspective to SEMS
 - Focus needs to be on applying sound risk management principles and collecting sufficient evidence to demonstrate adequate responsible operations



- The four questions of risk management:
 - Have we identified the risk?
 - Do we have a system in place to manage identified risks?
 - Are we complying with the system?
 - Is it effective?
- Acquisitions should include the requirements as defined in the SEMS Pre-Startup Review

4.4 Managing SEMS during an Industry Downturn

- Benefits of industry and regulators working as one team
 - Collaborative identification of problems and solutions
 - Industry ownership and buy-in
 - Prompt, willing, and efficient implementation
 - Fewer unintended consequences
 - Safety mentality
- Need to learn from successes as well as failures
- No fire or explosion fatalities from September 1984 through April 2010 and 24,993 wells were drilled during this period

4.5 Decommissioning Efforts

- BSEE Expectations
 - Decommissioning is specifically a covered SEMS “operation”
 - All personnel involved in SEMS covered operations must be trained to have the skills and knowledge to perform their duties
- BSEE Concerns
 - Lack of recognition to the changing risk profiles during decommissioning efforts
 - Lack of operator oversight or awareness of contractor activities
- SEMS elements appropriate for extra emphasis
 - Hazard Identification
 - Mechanical Integrity
 - Safe Work Practices and Contractor Management
 - Management of Change

4.6 MODU / Liftboat Operations

- BSEE Expectations
 - Lessees and operators are the parties required to implement the BSEE SEMS regulations
 - Lessees, operators, and contractors are required to perform activities on an OCSLA lease in compliance with applicable BSEE regulations
- BSEE Concerns
 - Comprehensiveness of bridging documents
 - Verification that agreements are being followed
 - Opportunities for continuous improvement are being identified and taken advantage of
- Elements of extra emphasis
 - Pre-Start Up Review / Employee Participation
- Contractor Management
 - Ultimate Work Authority
- Operator Perspective of SEMS for MODU and Lift Boat Operators
 - Harmonizing SEMS with SMS, safety systems and other HSE Policies
 - Who’s in Charge, Operator PIC or Master



- Pre-Job Planning
 - Job/Equipment Specific Hazard Analysis
 - Environmental Considerations

5 Interactive Session

This component of the forum was utilized to edit, improve and finalize the draft checklists. Appendix A contains all the captured feedback.

6 Checklist

The following four checklists were developed by the planning committee and forum participants. These checklists can be found on the OOC website (<http://oocmain.theooc.us/semsforum2016.html>) in excel format.

1. Loop and Unmanned Facility Checklist
 - Loop Facility Monitoring Procedure
 - Job Planning Guide for New Loop Operated Facilities
2. Acquisitions and Divestitures Checklist
 - New Properties – SEMS Integration Intake – Data Register Template
 - Acquisition Checklist – Comparison to Register
3. Decommissioning Checklist
 - Decommissioning GOM Diving Pre-mobilization Checklist
 - Decommissioning Pre-job Checklist
 - Decommissioning Well Diagnostic Checklist
4. MODU Checklist



7 Forum Registrants

The list consists of the individuals from the oil and gas industry that registered for the forum.

Company / Organization:	First Name	Last Name
ABS	Luiz	Feijo
Anadarko Petroleum Corporation	Allan	Boudin
Anadarko Petroleum Corporation	Steven	Ashcraft
Anadarko Petroleum Corporation	Keith	Bowles
ANKOR Energy Co.	Tim	Westerman
ANKOR Energy Co.	Steve	Goff
ANKOR Energy Co.	Tim	Weaterman
ANKOR Energy Co.	Ernest	Thibodeaux
Apache Corp	Laurie	Knape
Arena Offshore, LP	Charlie	Duhon
Arena Offshore, LP	Wade	Broussard
Bennu Oil & Gas	Harold	Chapman
Bennu Oil & Gas, LLC	Brad	Fowler
BP	Steve	Velzis
BSEE/ DOI	Jason	Mathews
BSEE/ DOI	Stan	Kaczmarek
BSEE/ DOI	James	Carrier
BSEE/ DOI	Robert	Carroll
Bureau of Safety and Environmental Enforce	Mike	Shank
Center for Offshore Safety	Brandy	Huynh
Center for Offshore Safety	Om	Chawla
Chevron	John	Cannon
Chevron	Nolen	Weaver
Chevron	James	Dykes
Chevron Environmental Management Co	Jeremiah	Kern
Chevron Environmental Management Co	Kevin	Davis
Compliance Technology Group	Philip	Bernard
Crescent Safety Services	Jamie	Jacobs
Crosby Energy Services	Chris	Hale
Crosby Energy Services	Herbert	Kimble
Danos	Rick	Keen
Douglas Regulatory Solutions	Scherie	Douglas
EEUSA	Marsha	Dupont
eni US Operating Co. Inc.	Brian	Mamelli
EnVen	Troy	Roberie
EnVen	David	Helminiak
Fieldwood Energy	Joel	Plauche
Fieldwood Energy	Tery	Trahan
Freeport-McMoRan Oil & Gas	John	Garber
Freeport-McMoRan Oil & Gas LLC	Paul	Landry
Freeport-McMoRan Oil & Gas LLC	Ross	Sigur
Gulf Tech Inc.	Jay	Bailey
GulfMark	Mark	Godfrey
HALLIBURTON	Jack	Gilbert
Helis Oil & Gas Company, L.L.C.	Dan	McKnight
Independent	Elmer	Danenberger



Industrial Solutions Group	Kevin	Graham
Intertek	Clark	Robertson
Intertek USA	Randy	McCallum
Island	Eric	Fontenot
Island Operating	Jarrott	Guillory
ISNetworld	Miranda	Kahn
ISNetworld	Taylor	Manes
JCC	Lincoln	Stroh
K. Camp & Associates, Inc.	Jeff	Camp
Lifeline Strategies	Ken	Wells
LLOG Exploration	Charlie	Culver
M&H	Pat	Bernard
M&H	Fritz	Ory
M&H Auditing	Philip	Emanuel
Marubeni Oil & Gas (USA) Inc.	Ed	Roder
Medco Energi us	Earl	Brunet
Montco	Troy	Gisclair
Montco Oilfield Contractors	Paul	Eubanks
Montco Oilfield Contractors, LLC	Price	Carroll
Moxie Media	Robert	Stout
Murphy	Jack	Isbell
Noble	Edwina	Boye
Noble Energy	Bryan	Mickiewicz
Noble Energy	Bryan	Mickiewicz
Noble Energy, Inc.	Chris	Wright
Oceaneering	Andrew	Henderson
Oceaneering Intl Inc	Thomas	Bone
OESI	James	Pettigrew
Offshore Marine Service Association	Sarah	Branch
OOC	Angie	Barbara
OOC	Evan	Zimmerman
OOC	Rebecca	Wolfgang
PCS	Alex	Alvarado
PEC	pete	eustis
PEC SAFETY	James	Lina
PetroQuest Energy	Tim	Waguespack
PetroQuest Energy	Gordon	Laseter
PetroQuest Energy	Aubin	Buquet
PMB Safety & Regulatory, Inc.	Genny	Broussard
Purely Regulatory, LLC	McLean	Cathy
RCP	Johnston	Dwight
Renaissance Offshore	Katherine	Gamble
Repsol	Libby	Mehrens
Safegulf & API	Alexis	Vitone
SafeZone	Jeremy	Royer
SafeZone Safety Systems, LLC	Danielle	Morvant
SBM Stones Operations, LLC	Tim	Dickensheets



Sea Support Ventures LLC	Ed	Mott
SGS	Jacob	Woodard
Shell	Christina	Guillory
Shell	Sean	McAndrews
Shell	Kyle	Entzel
Shell Oil Company	Claude	Allen
Stone Energy	Travis	Taylor
Stone Energy	David	Jackson
Stone Energy Corporation	Patrick	Eiland
Stone Energy Corporation	Bobby	Cotton
Stone Energy Corporation	Jason	Sullivan
Talos Energy	Steve	Frantz
Talos Energy	Charles	Ware
Talos Energy LLC	Robert	Sheninger
Tana Exporation	Russell	Steiner
Tidewater Subsea	Faustino	Gutierrez
Trinity Liftboat Services, LLC	Raywood	Menard
Trinity Liftboat Services, LLC	Susie M.	Ellender
Trinity Liftboats	Mary	Hesterly
USCG	Joshua	Reynolds
W & T Offshore, Inc	George	Sonnier
W&T Offshore	David	Bump
W&T Offshore, Inc.	Rodney	Rivet
Walter Oil & Gas	Ray	Smith
WGPS / Renaissance Offshore	Ripp	Gamble
Whistler Energy II LLC	William	Hunter
Whitney Oil & Gas	Michael	Francis
Williams	Brandon	Towle
WOOD GROUP	JAN	ROGERS
Wood Group PSN	John	Cothorn
Wood Group PSN	Greg	Austin
Wood Group PSN	Bryan	Mack