

# **BOEMRE**

**Bureau of Ocean Energy Management,  
Regulation and Enforcement**

**UNITED STATES DEPARTMENT OF THE INTERIOR**

## **Overview of Permitting Process & Common Errors**

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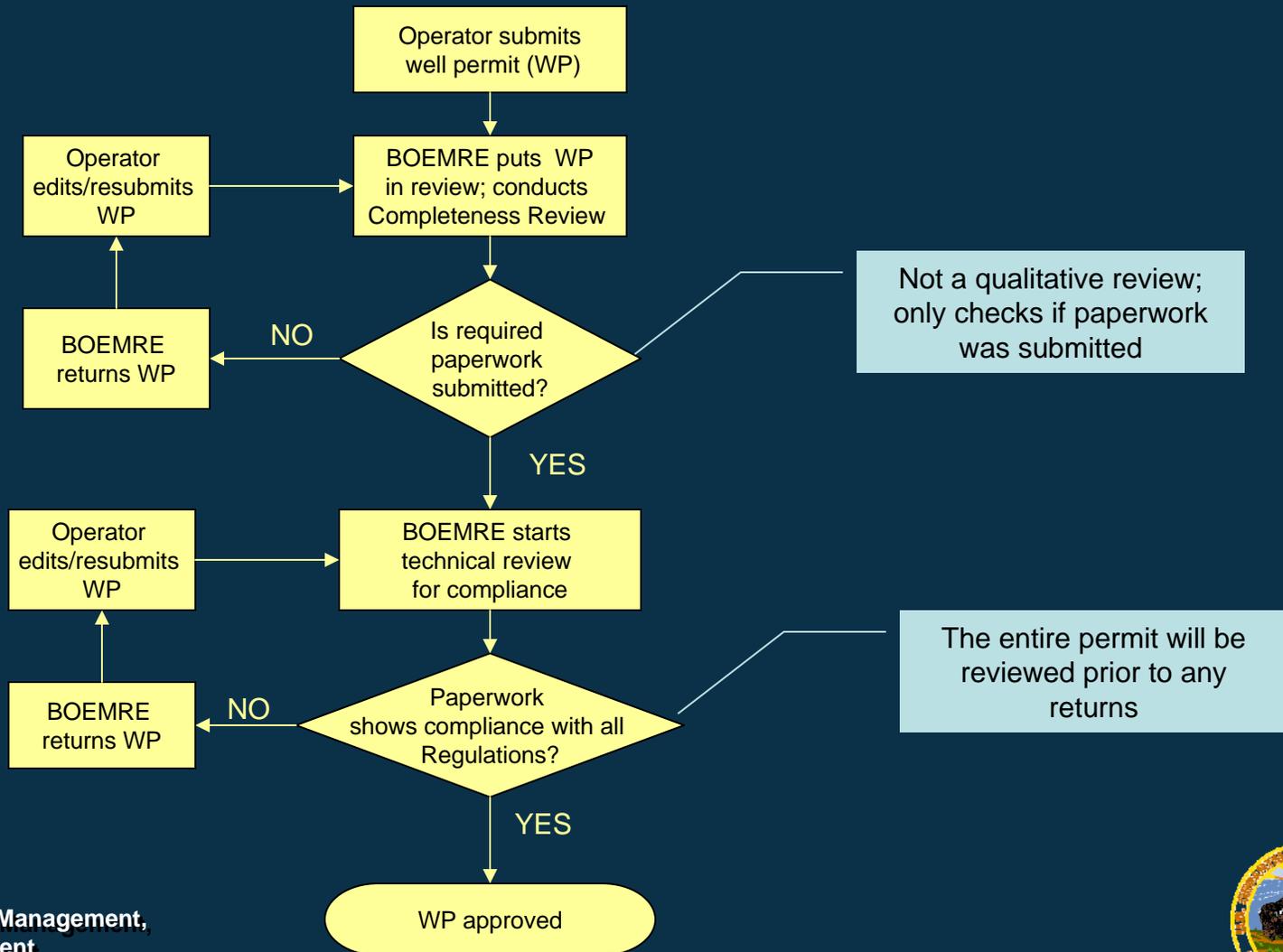
# *Today's Discussion....*



- Permit Review Process
- eWell Review Types
- Common Errors for all Well Permits
- Common Errors for Deepwater Permits
- Common Errors for Shallow Water Permits
- Questions



# Well Permit Review Process



# eWell Review Types

## DISTRICT REVIEWS

- APD Completeness Checks Review
- District Drilling Engineering Review

## REGIONAL REVIEWS

- Geological Review
- Geophysical Review
- NTL2010-N10 Certification Review
- NTL2010-N10 Containment Review
- NTL2010-N10 Screening Tool Review
- BOP Control System Drawing Review
- NTL06 Supplemental Information
- Determination of NEPA Adequacy
- OSTs Review for Platform Rigs (NTL 2009-G23)
- FO Review for Hurricane Mooring (NTL 2008-G09)
- FO Review for Jackup Fitness Hurricane Season (NTL 2009-G10)



BOEM Permit Review Screen in Ewell  
 Identical to Review Status Screen on Operator Side of eWell

Permit Reviews					
Review	Sent	Review Started	Review Finished	Info Adequate	Reviewer Remarks
BOP Control System Drawing Review	07/29/2011	08/17/2011	08/17/2011	Y	
Determination of NEPA Adequacy	07/29/2011	08/18/2011	08/18/2011	Y	
District Drilling Engineering Review	07/29/2011	08/17/2011	08/17/2011	Y	
FO Review for Hurricane Mooring (NTL 2008-G09)	07/29/2011	08/17/2011	08/17/2011	Y	
Geological Review	08/02/2011	08/05/2011	08/05/2011	Y	
NTL2010-N10 Certification Review	07/29/2011	08/05/2011	08/05/2011	Y	The certification statement has been provided as required by NTL 2010-N10. This certification has been reviewed and deemed acceptable.
NTL2010-N10 Containment Review	07/29/2011	08/05/2011	08/05/2011	Y	The Well Containment Plan for this well has been reviewed and we confirm it meets the intent of NTL 2010-N10.
NTL2010-N10 Screening Tool Review	07/29/2011	08/03/2011	08/03/2011	Y	
Oil Spill Response Plan (OSRP) Certification	07/29/2011				
Oil Spill Response Plan (OSRP) Modification	07/29/2011				



## Example of return comments for a recent deepwater drilling permit

Status	Date	Updated by	Comments to Operator
Pending	05/05/2011		User Generated
Submitted	07/25/2011		
In-review	07/29/2011		
Returned	08/08/2011		<p>Please address the following:</p> <ol style="list-style-type: none"> <li>1. Please list the anticipated hydrocarbon bearing zones on either the proposed schematic or in another attachment.</li> <li>2. Please include detailed BOP stump test procedures. These should include the ROV intervention procedures, including a list of all intervention functions.</li> <li>3. Please include detailed initial on bottom BOP test procedures. These should include procedures for testing at least one set of rams with the ROV intervention. For the subsea ROV intervention test, we will require a low pressure and high pressure test to verify closure of the rams.</li> <li>4. Please attach the screening tool approved by Mr. Lance Labiche.</li> </ol>
Resubmitted	08/12/2011		
In-review	08/12/2011		
Returned	08/12/2011		Returned to update BOP control system drawings.
Resubmitted	08/12/2011		
In-review	08/15/2011		
Returned	08/17/2011		<p>Please attach the following:</p> <ol style="list-style-type: none"> <li>1. Hurricane mooring approval.</li> <li>2. The latest version of the containment plan.</li> <li>3. The operating procedure for the SAM.</li> </ol>
Resubmitted	08/17/2011		
In-review	08/17/2011		



# THE MOST COMMON ERROR ON EVERY WELL PERMIT BY FAR...

## Quality Control

Numerous data discrepancies between different attachments!



# Examples of Data Discrepancies

80-90% of Returns are for these discrepancies

## ATTACHMENTS

Drilling Procedure

Wellbore Schematic

BOEM Casing Worksheet

G&G Submittals

Location Plats

Forms MMS-123S

General Well Information

Well Design Information

Pore Pressure Plot

Pore Pressures

Casing Size/weights

Fracture Gradient

Well Names

Cement volumes

Significant Markers

Illegible data

Mud weights

Casing Burst/Collapse

Test Pressures

Casing/Liner setting depths

Surface Location



# Top Reasons Why Permits Are Returned (Shallow & Deep Water)

- BOP Control System Drawings
- Blind Shear Capability Data
- API 65 Part 2 Questionnaire
- PE Certification for Cement/Casing Programs
- Negative Pressure Test Procedures
- Diverter Procedures & Schematics



# Reasons for Shallow Water Permit Returns

- Jack-up Fitness Requirements for Hurricane Season
- OSFR Information
- Structural Assessment Information



# Deepwater Permit Problems

- BOP Stump/Initial Seafloor Test Procedures
- Well Containment Screening Tool
- Current Ocean Monitoring Requirements
- USCG Certificates of Inspection
- ABS/DNV Load Line Certificates
- Hurricane Mooring Requirements





# Thank you



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