



ELLWOOD/SOUTH ELLWOOD DECOMMISSIONING PROJECT

CITY OF GOLETA: November 15, 2018

CALIFORNIA STATE LANDS COMMISSION



California State
Lands Commission



Agenda

- Welcome and Opening Comments
- Technical Update
 - PRC 421 Wells/Piers
 - Platform Holly Repairs and Refurbishment
 - Ellwood Onshore Facility (EOF)
- Coordination with Local/State Agencies
- Next Steps after the Well P&A Completion
- Questions/Comments
- Closing Remarks

PROJECT GOAL

Decommission Platform Holly and Piers 421

- P&A 30 wells at Platform Holly
- P&A 2 wells at Piers 421
- Final Disposition of Platform Holly and Piers 421 infrastructure consistent with CEQA analysis and in the best interests of the state

Project Area

Ellwood Onshore Facility



Piers 421-1 and 421-2



Platform Holly

- Ellwood Onshore Facility (EOF)
- Piers 421
- Platform Holly

PRC 421 Piers and Wells

Pier/Well #1

Pier/Well #2

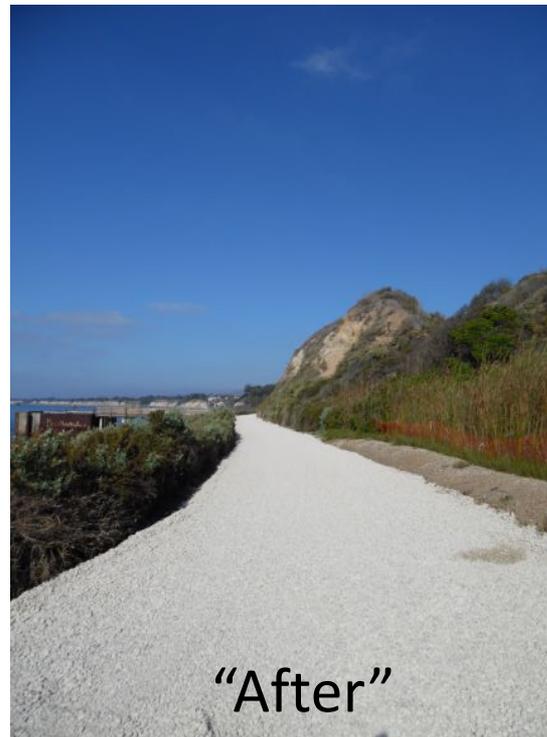
PRC 421 Piers – The “Beachfront” Wells

- Road/Causeway Repairs

An engineering study was done by a 3rd party firm to determine the condition of the road. Pursuant to that study:

- In September the overgrown vegetation along the road was cut back to obtain the original +/- 12 foot road width, and
- The road was then graded and “French drains” were added in 3 areas of acute drainage from the golf course
- Since the work will now start in our “rainy” season, with a possible El Nino upon us, earlier this month the entire road was covered with gravel in addition to those 3 areas
- The timbers on the 421#1 well access causeway were replaced (the 421#2 causeway was not in need of repair)
- The road & causeways are sufficient to handle the loads of the P&A work.

PRC 421 Piers – The Access Road Work



PRC 421 Piers – Well 421#1 Causeway



Repair of Well#1 Causeway: Timber replacement

PRC 421 Piers – The “Beachfront” Wells

- Diagnostics
 - A risk assessment workshop was held with all the parties involved in the P&A work on October 25th & 26th to review all aspects of the work for health & safety of the personnel and the public
 - Action items and mitigations to ensure a safe project and working environment in progress

PRC 421 Piers – The “Beachfront” Wells

- Plugging & Abandonment
 - The programs have been completed and will be presented to the Division of Oil, Gas & Geothermal Resources, as well as State Lands Commission engineering staff for final reviews approval
 - Pending satisfactory completion of diagnostics and other studies, P&A process intended to begin by end of December, and, if all goes as planned, to be finished by end of January
 - During the work there will be safety perimeters (public exclusion areas) around the work area from 150 feet to 300 feet depending on the then current activity

Final Notes

- It is important to note that the beach safety perimeters around the working area are for your safety
- Security and safety plans are in place to ensure the safety of workers, the public and the environment
- Once the P&A of the wells is done, the wells will be in a safe and dormant condition. However, the piers and caissons will remain until the CEQA work is done and contractors retained to take out those structures – probably next fall at the earliest.

Questions Regarding PRC 421?

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Platform Holly



Platform Holly: Where We've Been

- Since the last town hall meeting:
 - The “Slickline” campaign was done
 - The drilling rig and ancillary equipment has been surveyed
 - The mobile “bullfrog” crane has been added on the platform, and
 - The new offices buildings (“modules”) have been fabricated and are being installed on the platform

The Drilling Components Review

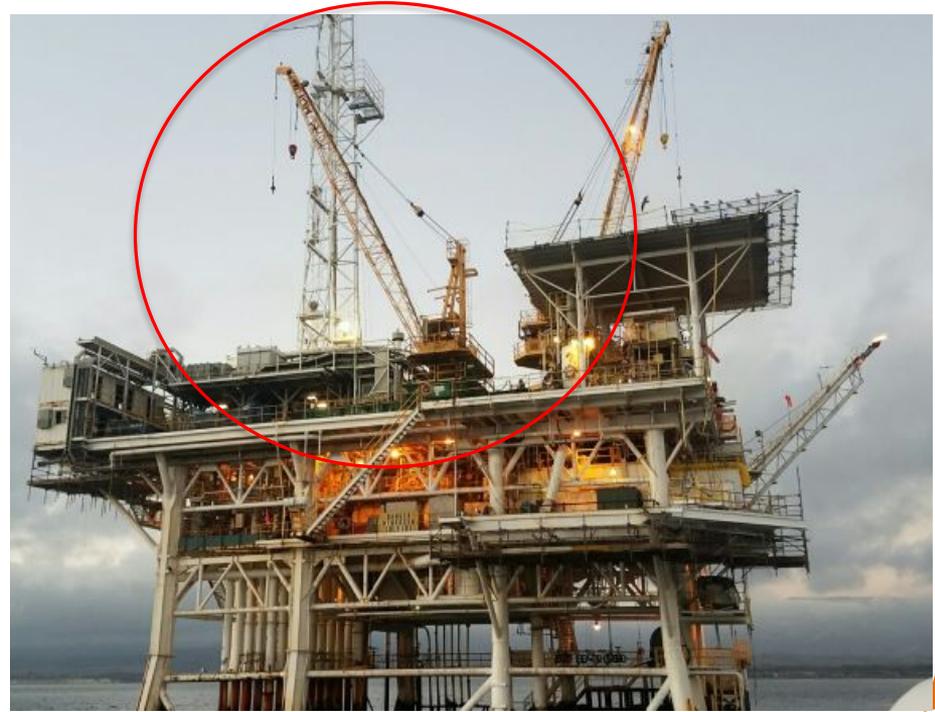
- The drilling rig and the equipment needed to proceed with the plugging and abandonment of the wells on Holly was found to be, for the most part, unusable or inoperable. The mast of the rig was sound.

BASICALLY WE NEED TO REBUILD THE RIG AND THE AUXILIARY EQUIPMENT IN ORDER FOR A SAFE AND SUCCESSFUL P&A OPERATION

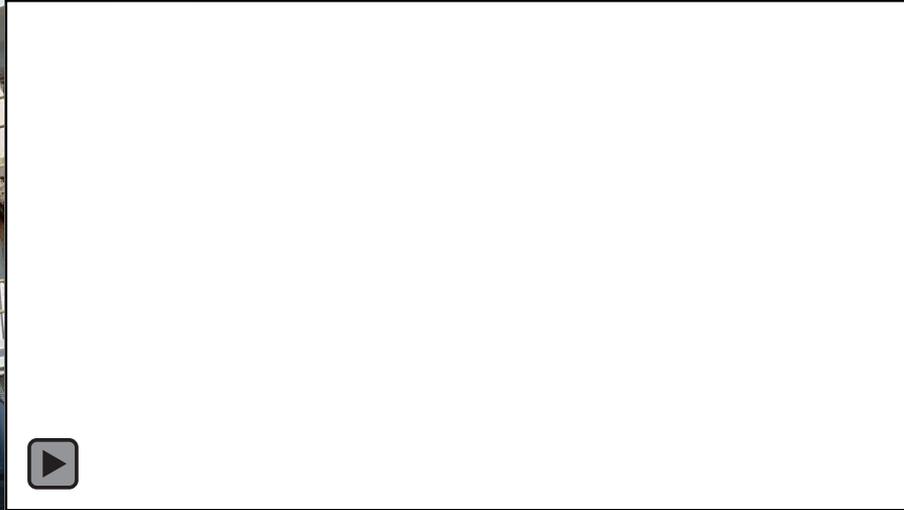
- After 6 weeks of survey and demolition or removing equipment for repair, a shopping list of new and/or repaired equipment was acquired.
- The repairs and the additions of equipment by the drilling contractor will begin in January and take 3-4 months to complete.
- Risk assessment workshops for the Holly equipment refitting and the P&A procedures are currently being scheduled.

The Temporary “Bullfrog” Crane

Prior to placing the new buildings on the platform, and to aid in the demo of the current buildings, a smaller “mobile” crane was installed on the platform in September. To date the crane has been working to install 4 of the 6 new buildings that the platform “pedestal” crane could not reach safely.



New Buildings



Before and After





Questions Regarding Holly?

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Ellwood Onshore Facility (EOF)

- Testing & Certifying
 - All of the equipment at the EOF has been surveyed and testing, replacement and repairs are ongoing



Coordination with Local Governments/State Agencies/NGO's

- City of Goleta / County of Santa Barbara / Fire & Police Departments / County Emergency Services
- Santa Barbara County Air Pollution Control District
- California's Division of Oil, Gas, and Geothermal Resources
- California Coastal Commission
- Office of Oil Spill Prevention and Response
- U.S. Coast Guard
- Bacara Resort, Sandpiper Golf Course, Bluffs Community

Next Steps

- Final Disposition of Platform Holly, Piers 421 and related infrastructure.
Dependent upon:
 - Significant stakeholder and community engagement
 - Environmental Analysis of a Decommissioning Plan pursuant to CEQA (Environmental Impact Report)
 - Funding
- Questions still remain about the final disposition of the Ellwood Onshore Facility.

THANK YOU & QUESTIONS

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