

Platform Emmy Deck Extension Project

California Resources Corp. ■ Prevention First 2014 ■ Long Beach, CA ■ Oct. 8, 2014 ■ Robert Schaaf, Project Mgr.



Presentation Outline

- Field history and background of Platform Emmy
- Project objectives and design criteria
- Project design
- Review of the project



Huntington Beach Field

- Discovered by Standard Oil Co. of California in 1920
- Production extended to offshore oil zones in 1930's
- Waterflood projects commenced in early 1960's
- Production/Injection peaked at 50,000 BOPD & 450,000 BWPD in 1972



HUNTINGTON BEACH, CALIF.

HITCHCOCK PHOTO—69

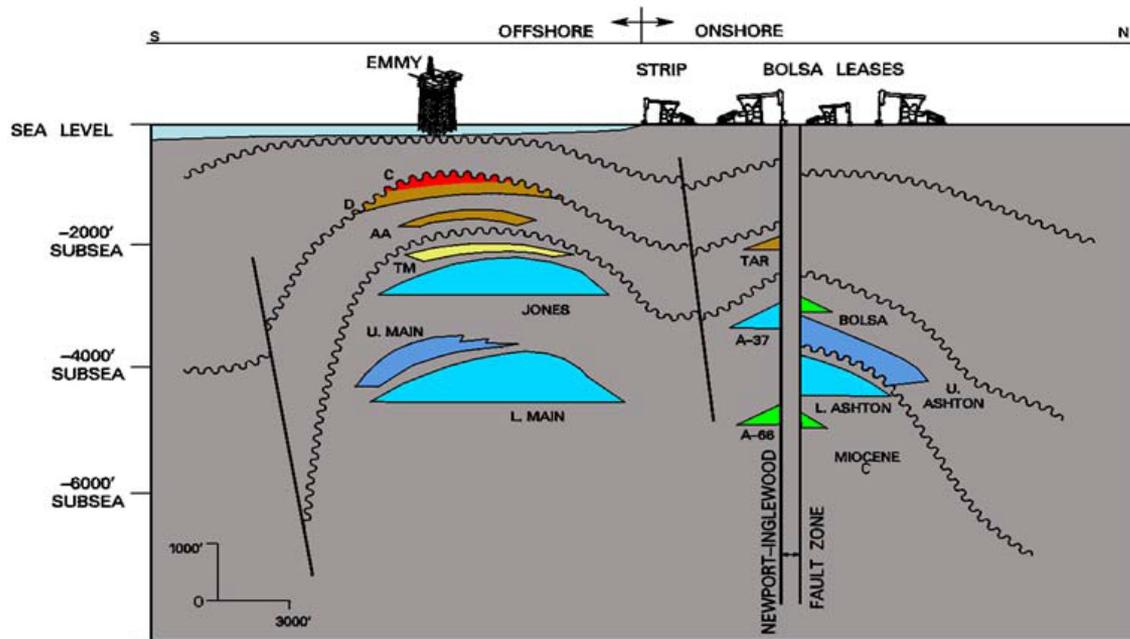
Emmy Background

- Production platform set in 1962
- Satellite platform set in 1981
- 1.3 miles offshore in +/- 50 feet of water
- All production sent onshore for processing



Emmy Background

- 18 previously producing wells
- 12 wells drilled in 2013-14



Project Objectives and Design Criteria

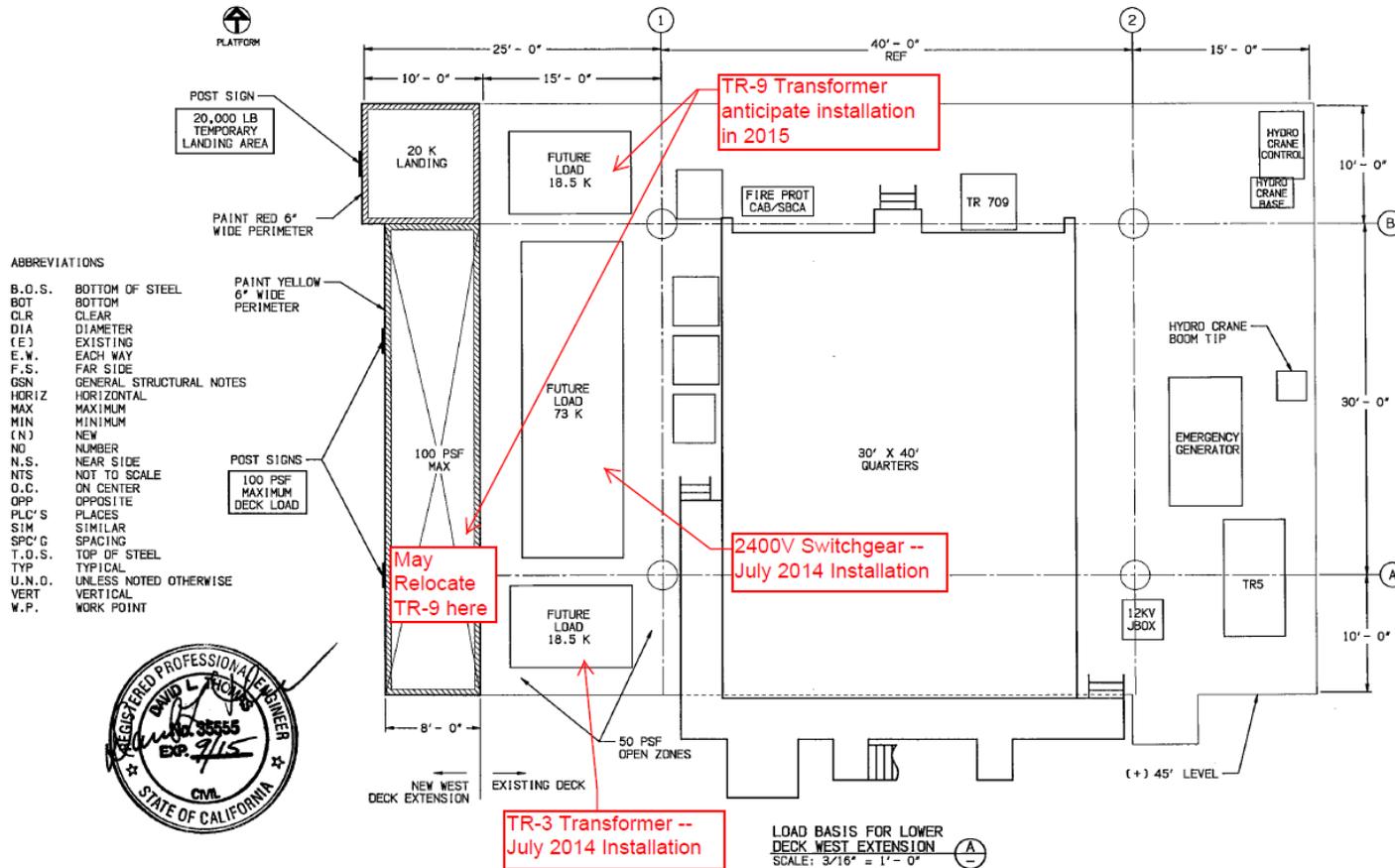
Objectives

- Put additional wells on production from the existing slots
- Provide more space for electrical equipment (switchgear and transformers)
- Accessible by operators and electricians

Criteria

- Be able to structurally support additional weight
 - Total design load (1.287M pounds)
 - Center of gravity
 - Overturning moment

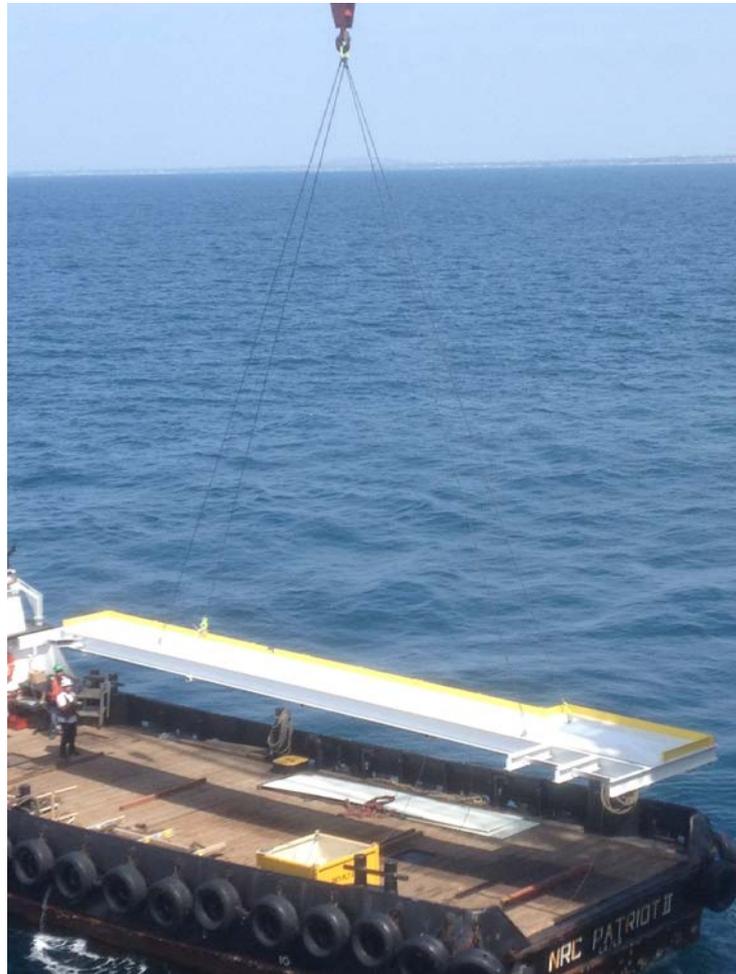
Deck Design



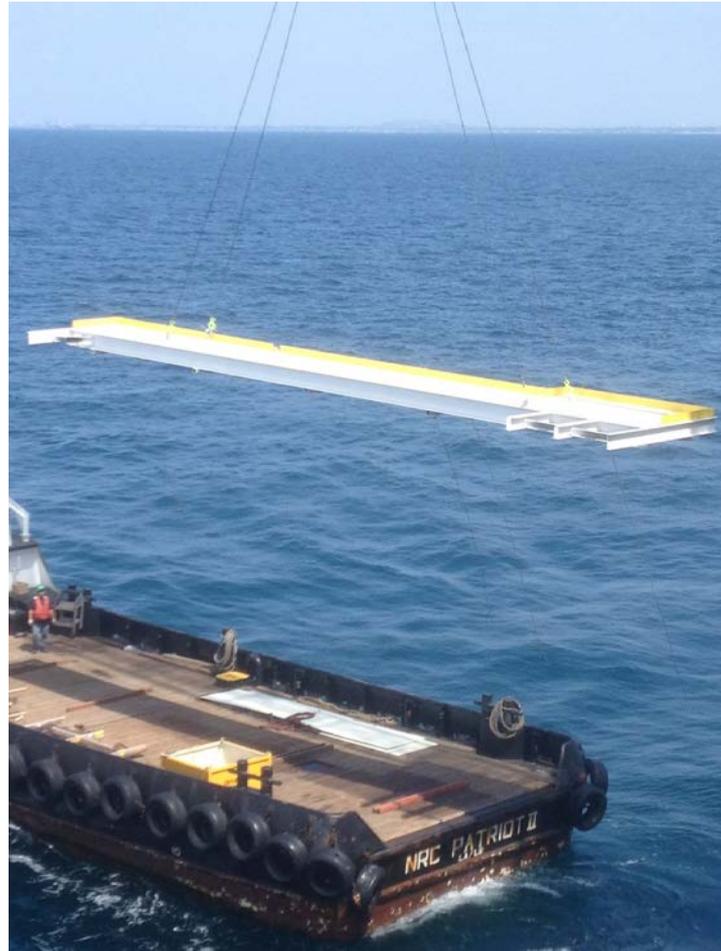
Deck Installation



Deck Installation



Deck Installation



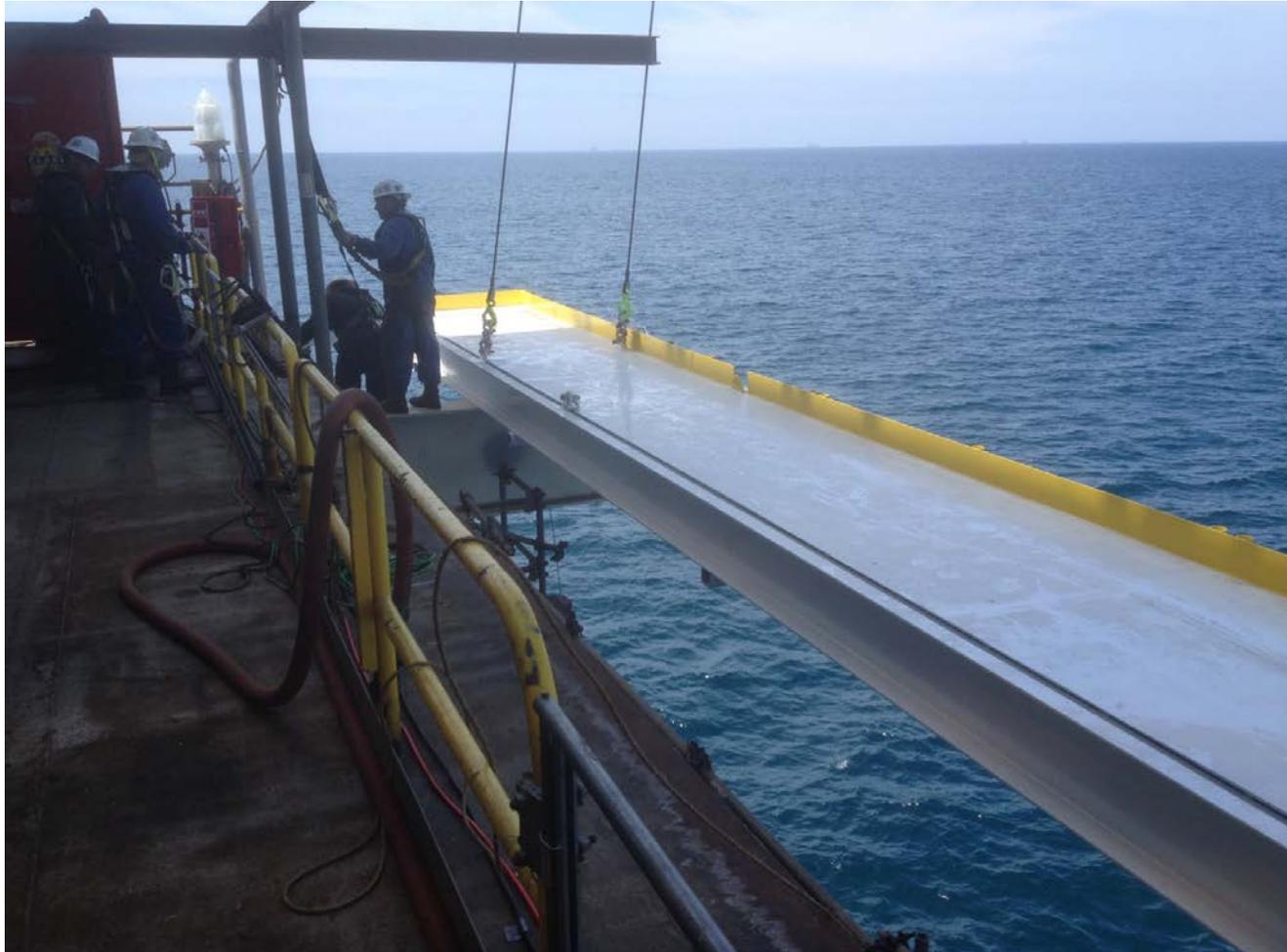
Deck Installation



Deck Installation



Deck Installation



Deck Installation



Installed Deck Extension



New Deck
Extension

Deck Extension with Switchgear



Deck Extension Support Structure



Deck Extension Support Structure



Deck Extension Support Structure



Questions???

