



## LTS Ammonia System and Heater Foundation Project

**Bakersfield, California**

**Client: Occidental Oil and Gas Corporation**

Occidental Oil and Gas Corporation retained DPSI to provide engineering assistance with commissioning the new ammonia storage equipment and performing a structural analysis of the cracked heater foundations at the Low Temperature Separation (LTS) Gas Plants in their Elk Hills field.

DPSI's scope of work included:

### *Commission New Ammonia System LTS1 & LTS2*

DPSI is working with Occidental operations to complete installation and commissioning of new ammonia storage equipment at both LTS plants. DPSI is providing the following deliverables for the ammonia system.

- Work with manufacturer of bulk ammonia storage equipment to define, coordinate, and execute remaining work to complete installation, but not limited to:
  - Locate/install vessel level transmitter and install deluge system nozzles
  - Relocate ammonia detector / purchase new detector
  - Complete electrical connections of new equipment
  - Develop and complete punchlist items to start-up system
- Work with Occidental safety personnel to evaluate and approve new ammonia deluge system / determine if system needs upgrade to accommodate additional volume stored on-site
- Complete project MOC documentation and work with MOC team to sign-off
- Provide engineering support from construction to commission to project completion

### *Perform Structural Analysis*

DPSI is providing structural engineering investigation, support, and coordination for the cracked LTS heater foundation columns.