



## **MOC FWKO Tank**

**Bakersfield, California**  
**Client: Macpherson Oil Company**

Macpherson Oil Company required assistance with the design and management to install a new 10,000 BBL Free Water Knock Out Tank at the Section 18 Dehydration facility of their Round Mountain Lease.

DPSI's scope of work included:

- Coordinate and perform geotechnical and topographic surveys of the project site
- Provide grading and drainage plan to verify SPCC containment needs are met and create site layout with horizontal/vertical controls
- Generate structural design and calculations for the tank, retaining wall, and pipe supports
- Manage and develop tank and piping design and project specifications for construction
- Produce PFDs, P&IDs, isometric views of piping, tank details with nozzle layout, and MTO with specifications
- Integrate new installation with existing electrical and control systems and provide revised electrical drawings
- Prepare RFP bid packages for bidding of tank fabrication and mechanical construction
- Manage bids process of qualified contractors for tank erection and piping connections
- Provide ongoing engineering support for facility commissioning and start-up activities