



cymric field seep prevention efforts

Chevron takes very seriously our responsibility to operate safely and in a manner that protects public health and the environment. Our operational goal is to stop and prevent seeps, consistent with new state regulations. Today, as in years past, we are able to prevent virtually all seeps at our Cymric thermal diatomite field in Kern County. We have implemented and continue to enhance important safeguards, including 24-hour surveillance technologies, early detection protocols and a well abandonment program, to help us identify potential seeps and prevent them.

comprehensive and enhanced programs and safeguards



Advanced Technologies and Protocols

- **24/7 monitoring** of ground movement through advanced technologies like tiltmeters and satellites with aerial imaging
- **Modified steam operations** when a potential subsurface issue is identified by early detection system
- **Field management practices** to reduce pressure buildup in the reservoir by careful well steam planning
- **Validation of ground stability** around active seeps before allowing personnel or equipment to work in the area



Field-Wide Well Abandonment Program

- Invested more than \$126M since 2016 on a **well abandonment program** at Cymric field to reduce the potential for seeps
- Applied learnings from recent seep event to **reassess, enhance and accelerate** field-wide well abandonment program



Enhanced Well Integrity Assessments

- **Routine testing to ensure well integrity and early detection** of damaged well bores
- **Mud injection** into any active wells that are suspected to have an integrity issue; wells are **prioritized for testing, permanent plugging and abandonment**
- **Reassessment of all wells**, including those that have already been abandoned, at the Cymric field