

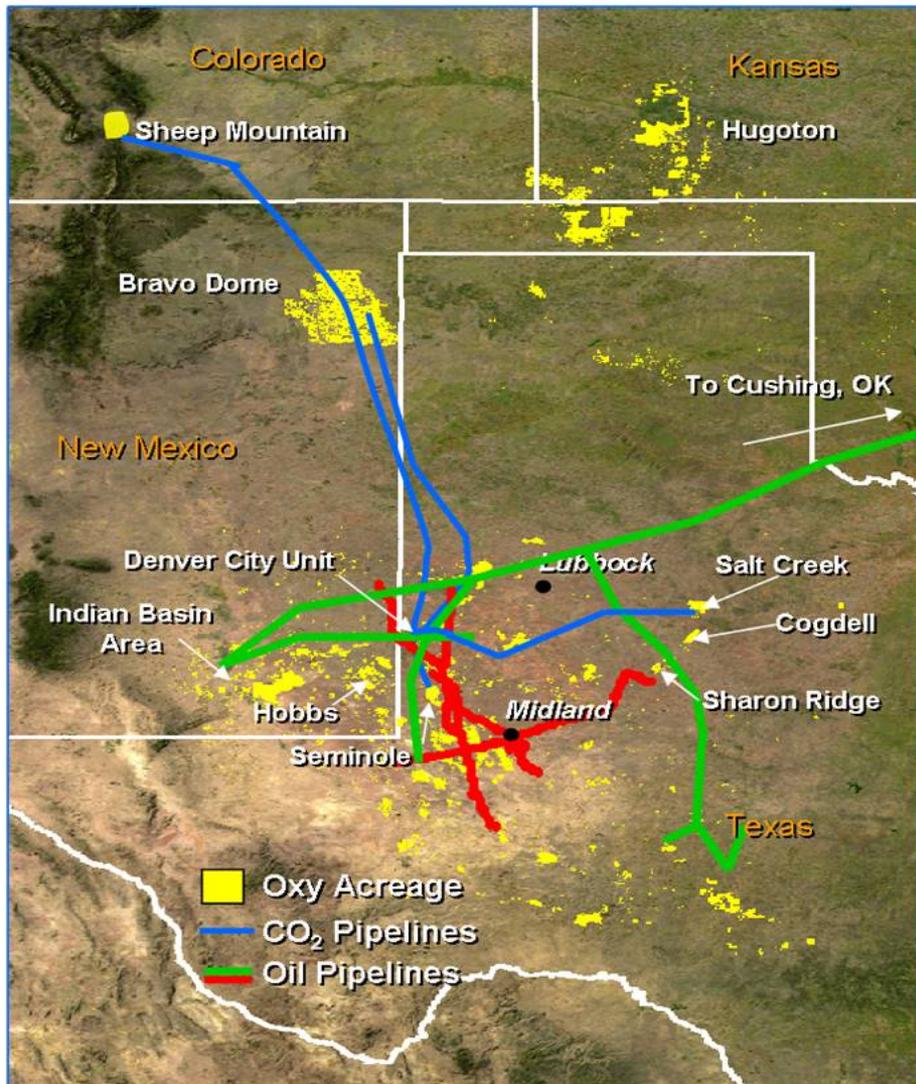


Permian Basin Overview

Occidental Petroleum Corporation ■ Legislative Education Study Committee ■ Hobbs, New Mexico ■
Barbara Bergersen ■ Operations Manager ■ Permian Enhanced Oil Recovery



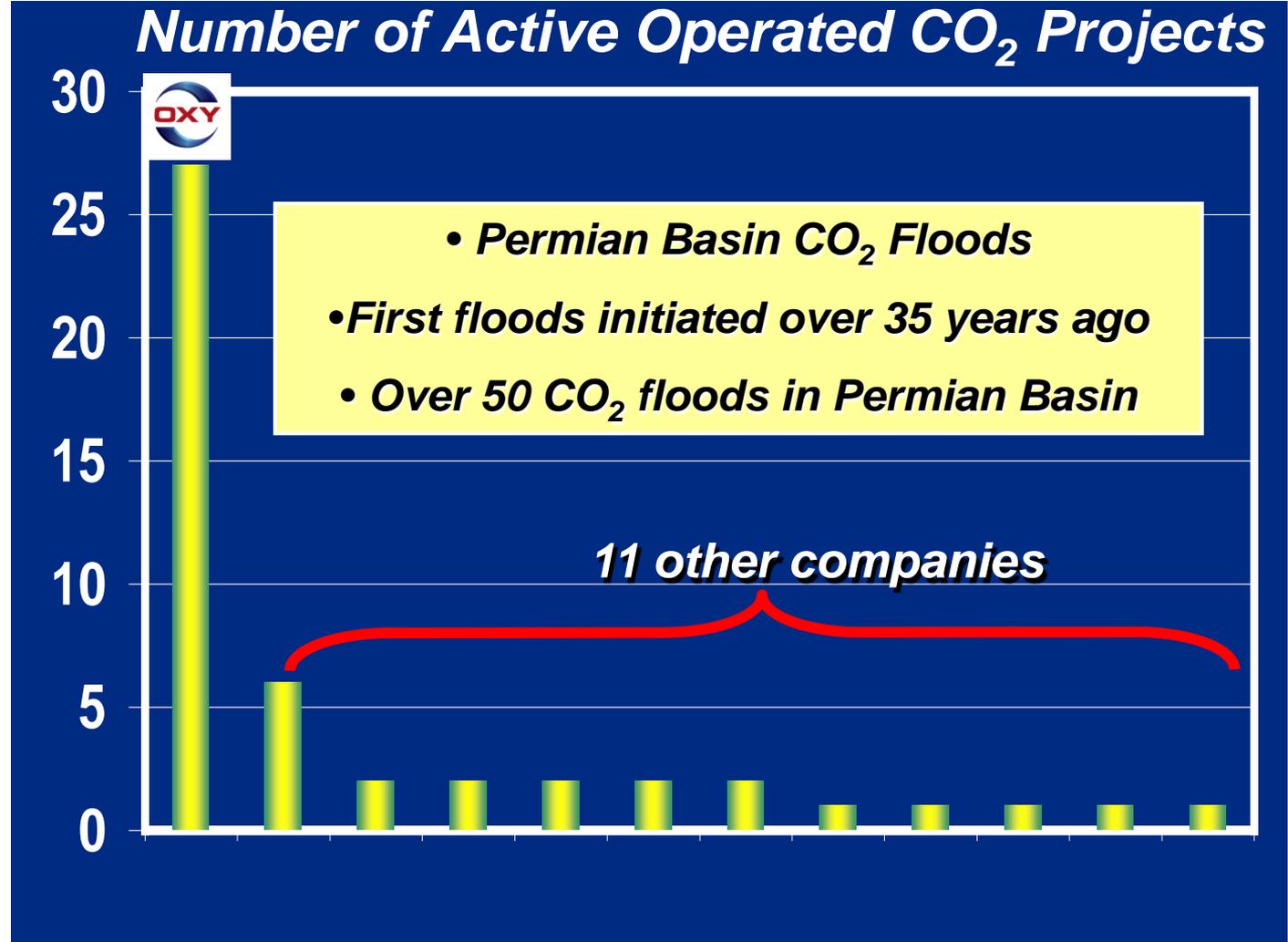
Occidental Petroleum: Permian Basin Overview



- **The Permian Basin of southeast New Mexico and west Texas is home to Occidental Petroleum's key asset.**
- **Oxy is the largest operator and producer in the Permian Basin.**
- **The Permian Basin accounts for nearly 15% of U.S. oil production.**
- **Last year, Oxy paid more than \$187 million in royalties on production from its New Mexico oil and gas properties.**
- **Oxy paid more than \$68 million in NM state, local and payroll taxes in 2013.**
- **We employ more than 9,000 employees and contractors in Permian.**

Oxy is World Leader In Enhanced Oil Recovery (EOR)

Approximately 74% of Occidental's Permian EOR business unit oil production is from fields that actively employ CO₂ flood technology. These CO₂ flood operations make Occidental the largest injector of CO₂ in the Permian and one of the leaders globally.



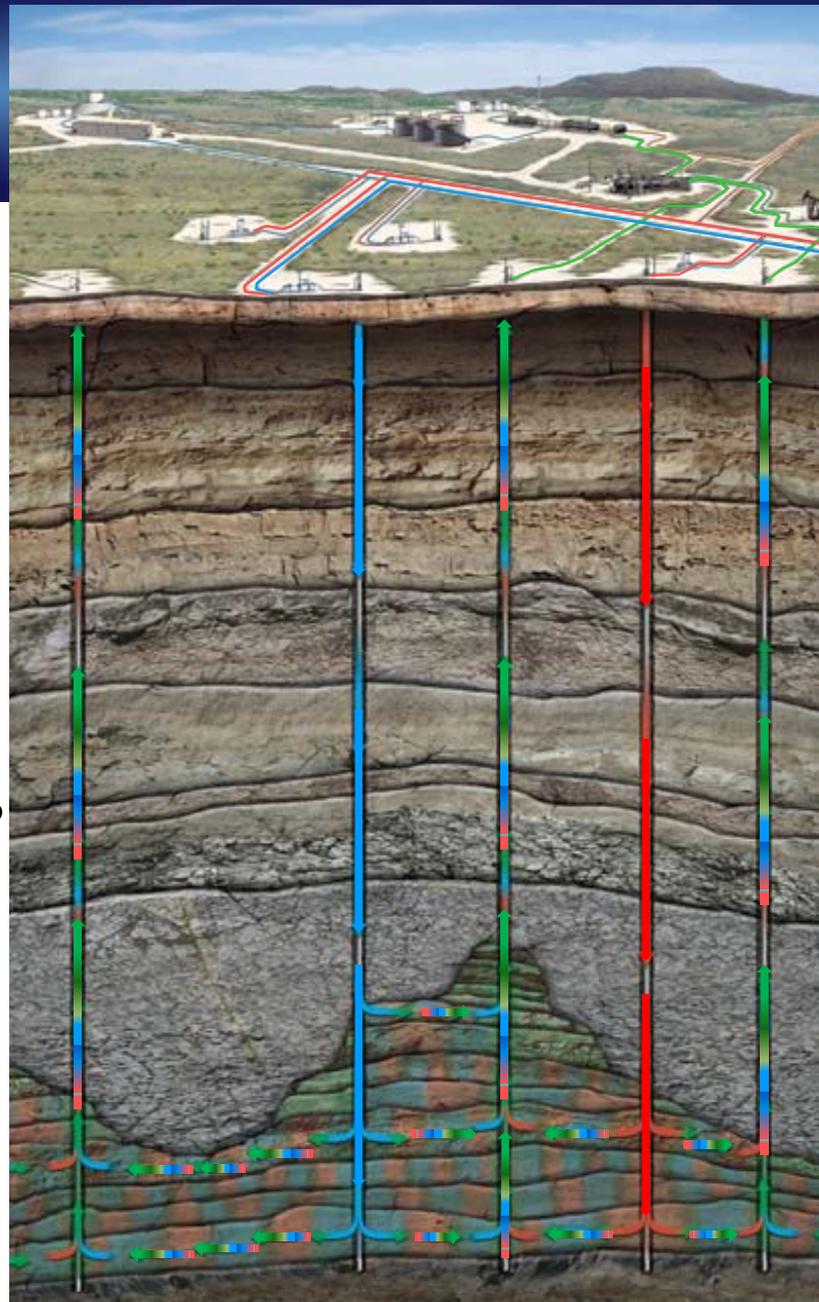
How EOR works

CO₂ flooding is an EOR technique in which CO₂ is injected into reservoirs, causing trapped oil to flow more easily and efficiently – can increase oil recovery from 15-25%

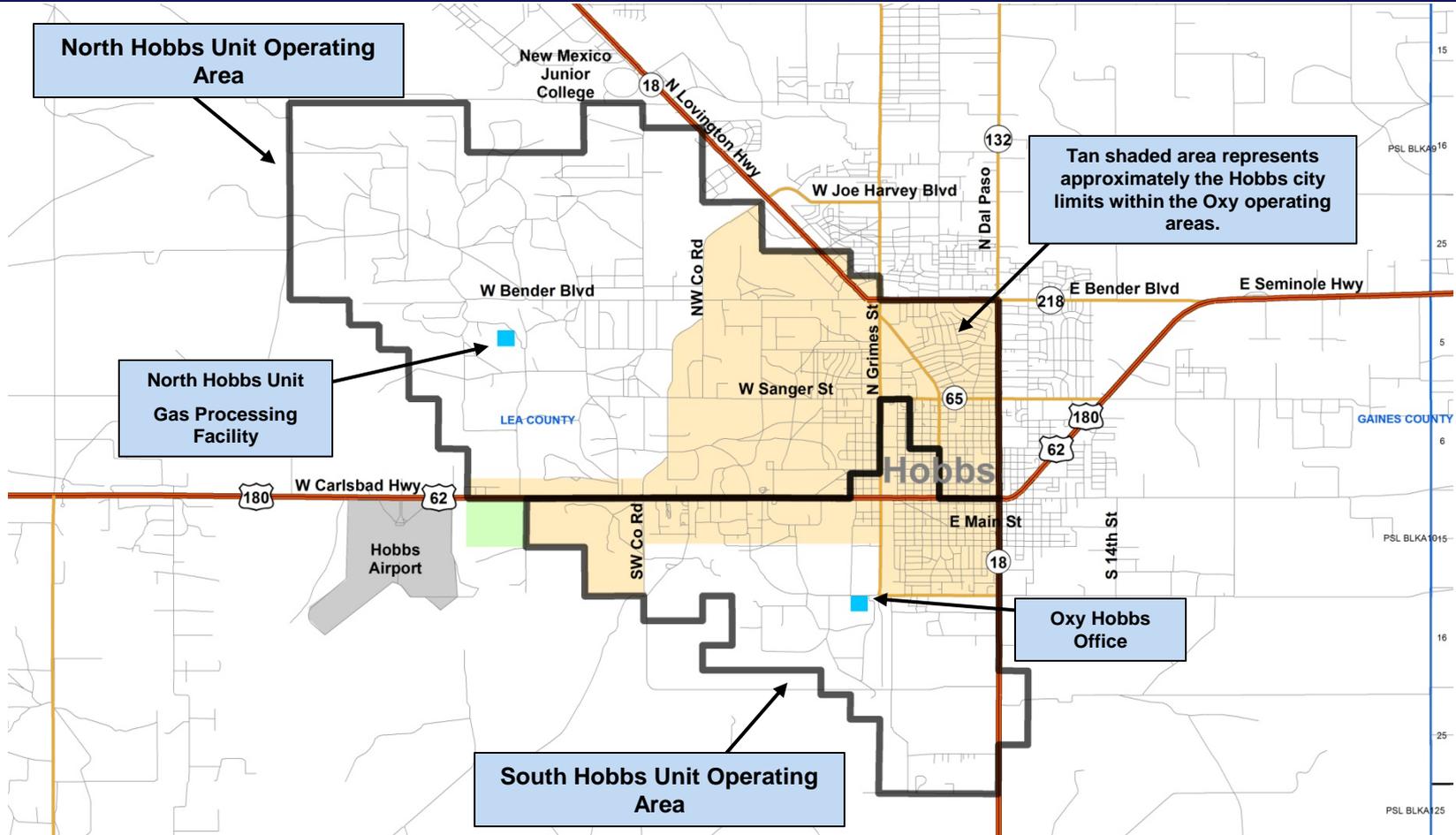
The CO₂ circulates within a closed loop and over time virtually all of the injected CO₂ is trapped in the underground reservoir.

CO₂ injection:

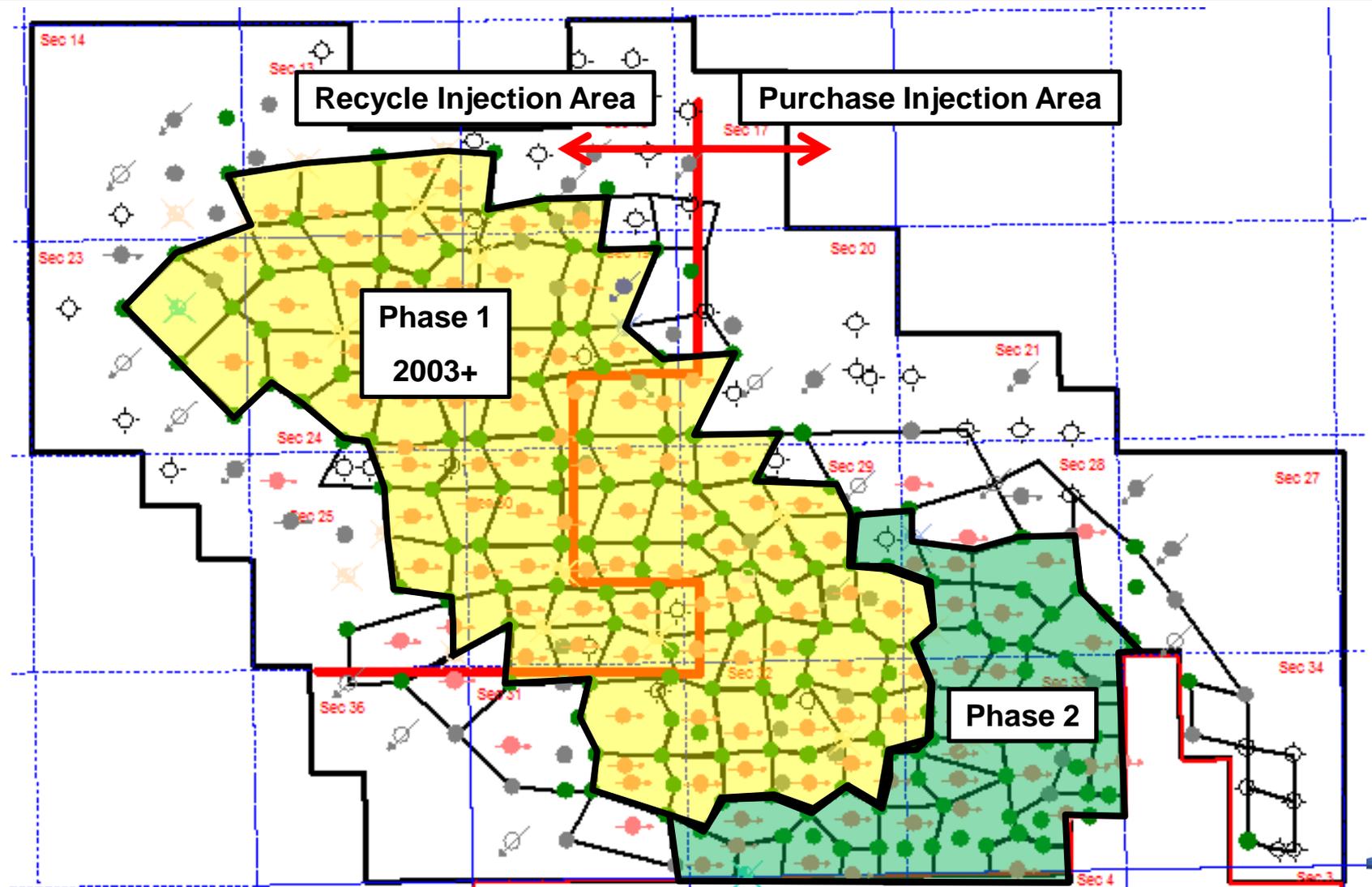
- CO₂ injected via injection wells
- CO₂ reduces the viscosity of the trapped oil so it flows more easily
- Water is injected in alternating cycles to sweep the oil to producing wells
- Production wells pump the oil along with the CO₂, produced water and any natural gas to the surface.
- CO₂ is separated at satellite facility and transported for processing. Natural gas liquids are extracted / sold and CO₂ is recycled for injection
- Oil and produced water are separated at central tank battery. Oil is piped to holding tanks /metered /sold.



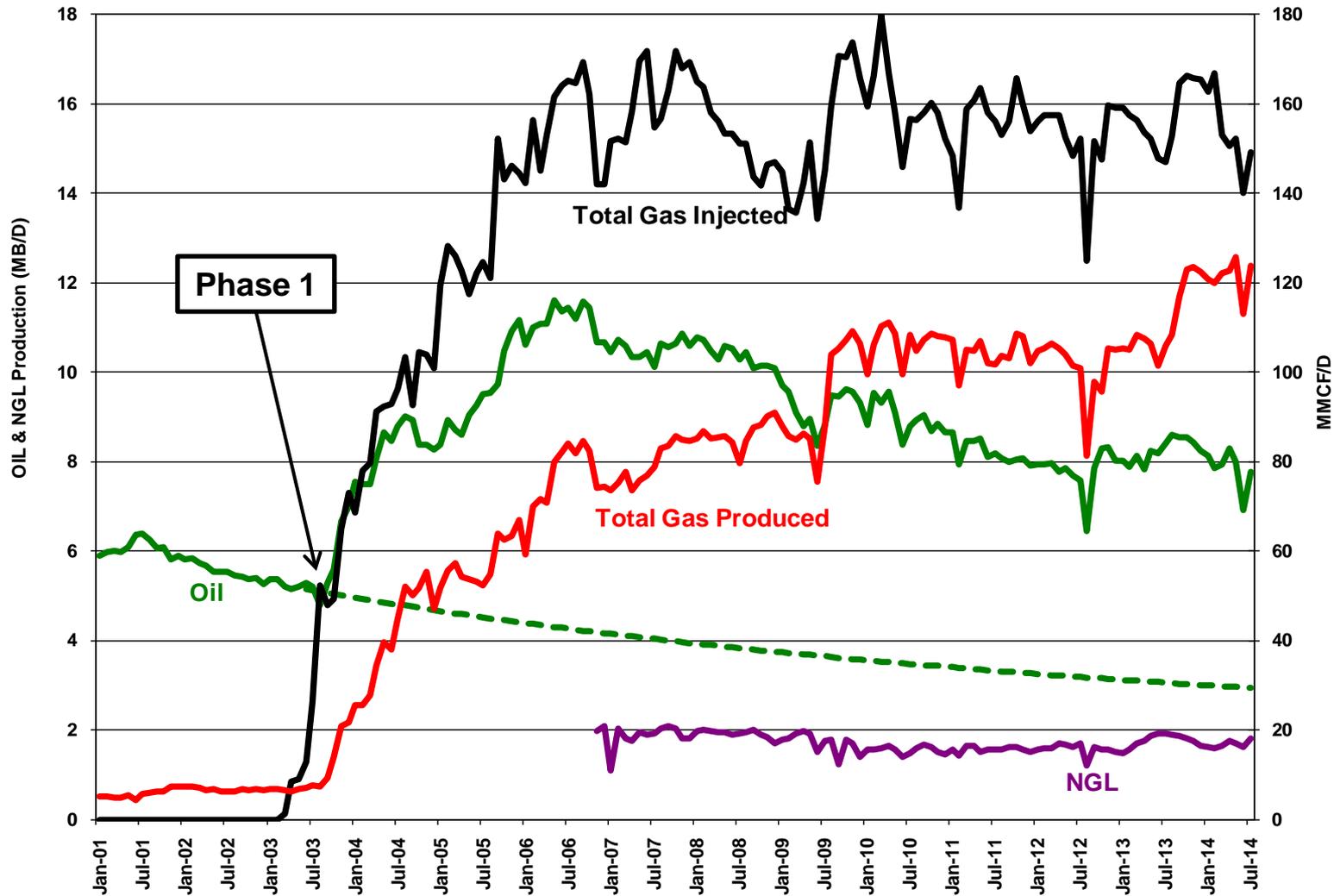
Hobbs Unit Operating Areas



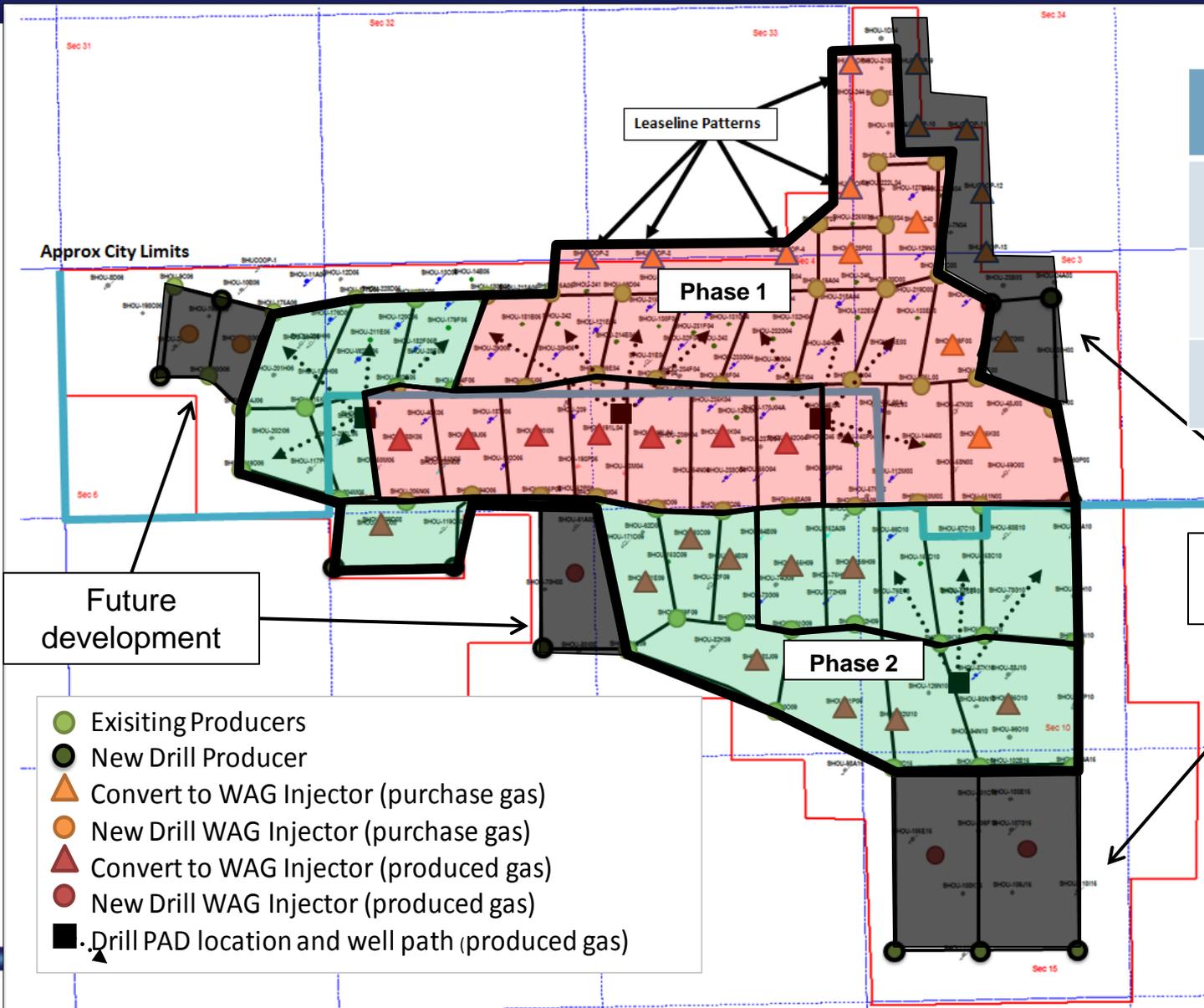
NHU Phase 1 & 2



NHU EOR Response



South Hobbs CO2 Project Map



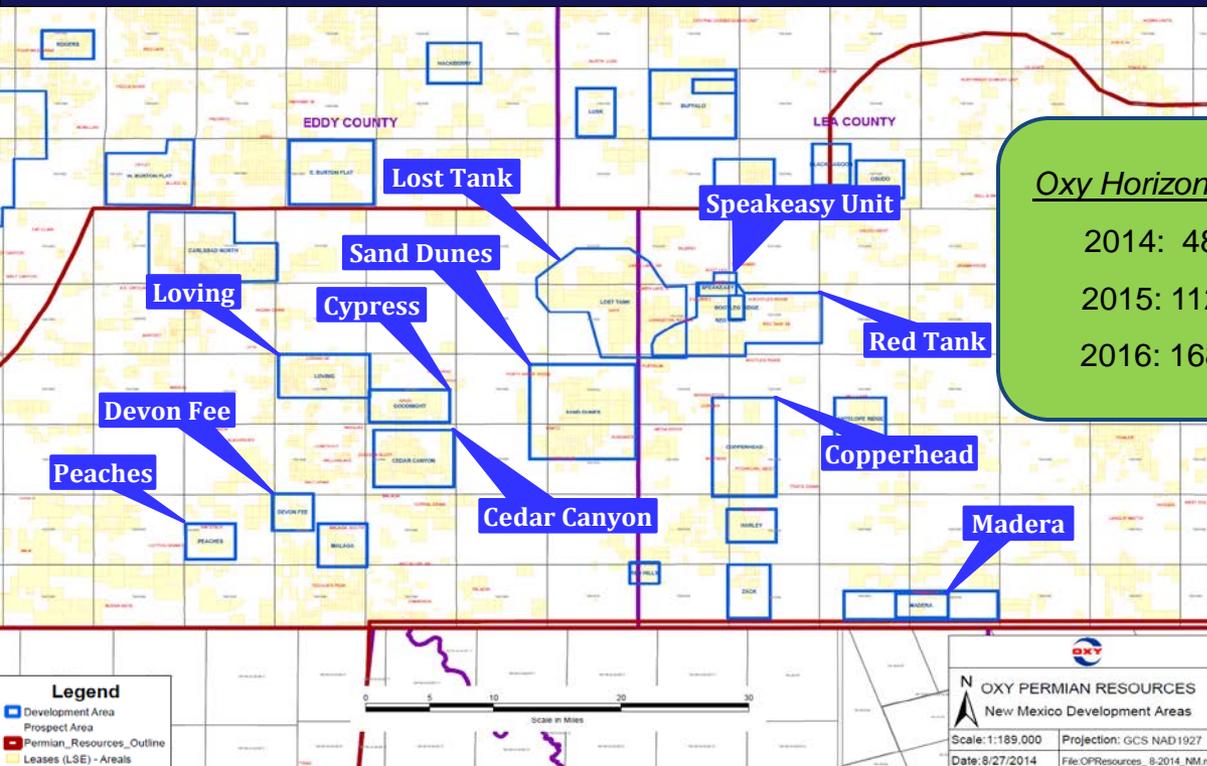
Activity	Approx Count
New Drill Injectors	20
New Drill Producers	12
Existing well workovers	160

- Existing Producers
- New Drill Producer
- ▲ Convert to WAG Injector (purchase gas)
- New Drill WAG Injector (purchase gas)
- ▲ Convert to WAG Injector (produced gas)
- New Drill WAG Injector (produced gas)
- Drill PAD location and well path (produced gas)

Future development



Southeastern New Mexico Drilling Operations



Oxy Horizontal Drilling

2014: 48 wells
 2015: 112 wells
 2016: 168 wells



- **Oxy has significant acreage in SE New Mexico suitable for unconventional horizontal drilling.**
- **Oxy currently operates 5 drilling rigs in Eddy and Lea Counties, with plans for substantial increase in 2015.**
- **Oxy SE New Mexico production offices are located in Carlsbad, Hobbs, and Indian Basin.**

- **Oxy's New Mexico partners**
 - **State Government: New Mexico Oil Conservation Division (NMOCD)**
 - **Federal Government: Bureau of Land Management (BLM)**
 - **Corporate partners: potash companies, other oil and gas companies**



Production Technician

Intern and New Graduate Opportunities



Production Technicians are responsible for oil and gas well operations, well testing, operating and maintaining field equipment and facilities, surveillance of general field operations, and maintenance of various databases regarding production and operations.

Equipment Technician

Intern and New Graduate Opportunities



Equipment Technicians are responsible for maintaining, troubleshooting and repair of mechanical control (valves) and rotary equipment (pumps) to achieve maximum equipment uptime and efficient operational processes.

Automation Specialist

Intern and New Graduate Opportunities



Automation Specialists are responsible for design, specification, installation, programming, calibration, preventive maintenance, troubleshooting, and repair of automation equipment in order to improve plant or oilfield system operation/uptime and reduce total operating costs.



What we are looking for in candidates.....

- Integrity and excellent work ethic
- Good grades (a minimum 2.5 GPA)
- Mechanical and technical aptitude (MS Office)
- Analytical and problem-solving skills
- Innovative and technically curious
- Self-starter and motivated
- Positive team attitude
- Good listener and communicator
- Demonstrated commitment to safety
- Must have a valid Drivers License and an acceptable driving record





Occidental Petroleum Corporation

Q & A

