

ENERGY ON THE MOVE

PERMIAN



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Hess Corporation operates the Seminole San Andres Unit in West Texas. This enhanced oil recovery project began in 1983 and is recognized as one of the most successful tertiary recovery projects in the Permian Basin.

Hess Corporation's Permian operations include the production and processing of approximately 19,000 BOEPD (barrels of oil equivalent per day) and 5,000 barrels of natural gas liquids per day from the Seminole San Andres Unit. Of the 24,000 BOEPD produced in Seminole, Hess nets over 8,000.

The company is currently developing the Residual Oil Zone (ROZ) which is one of several opportunities in the field being pursued over the next several years.

Residual Oil Zone

- ▶ Production in the Residual Oil Zone (ROZ) is a long-term tertiary recovery project expected to extend the life of the project for decades.
- ▶ The ROZ lies directly below the Seminole San Andrea Unit's (SSAU) Main Pay Zone (MPZ).
- ▶ Ultimately, the ROZ project will include up to 189 production and CO₂ injection wells. The total project expansion will extend the recovery of long-life reserves from the SSAU for more than 40 years.

Main Pay Zone

- ▶ In addition to production from the ROZ, Hess continues to operate the Main Pay Zone of the Seminole San Andres Unit (SSAU).
- ▶ The SSAU was discovered in 1936. The Main Pay Zone has been producing for more than 70 years and contains approximately one billion barrels of oil covering almost 16,000 acres.
- ▶ Following primary and secondary (waterflood) recovery phases, the CO₂ flood tertiary recovery project was initiated in 1983 and is currently one of the most successful enhanced oil recovery projects in the Permian Basin.



FACTS

Gross Production	24,000 BOEPD
Wells	375 production 190 injection wells
Gas Processing Capacity	200,000 MSCF/D

PARTNERS

Hess (Operator)	34.26
ExxonMobil	19.2
Occidental Petroleum	27.99
Marathon	13.53
Others	5.02



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West Bravo Dome

- ▶ West Bravo Dome is a CO₂ source field in north-east New Mexico being developed to supply up to 75 million cubic feet per day (MMCF/D) of CO₂ to the ROZ project.
- ▶ At West Bravo Dome, Hess has drilled 18 CO₂ wells and has built a pipeline gathering system for these and up to 29 additional CO₂ wells previously drilled.
- ▶ The gathering system delivers CO₂ to a compression station in West Bravo to process the CO₂. The CO₂ will be transported to the SSAU.

Seminole Gas Processing Plant

- ▶ Hess Corporation operates the Seminole Gas Processing Plant in West Texas. The facility is located in the Seminole San Andres Unit (SSAU) just northwest the city of Seminole.
- ▶ The Seminole Gas Processing Plant was constructed in the mid 1980s to support SSAU tertiary production by processing the produced gas from the oil field.

- ▶ The Seminole Gas Processing Plant expanded its process capacity in 2003 from a nominal 160 MMCF/D to 205 MMCF/D where it remains today.
- ▶ To support the first stage of the Residual Oil Zone development, a 70 million standard cubic feet per day (MMSCF/D) expansion of the Seminole Gas Processing Plant was necessary, and upgrades to the gathering and distribution infrastructures will be completed in June 2009.

Social Responsibility

- ▶ Hess Corporation has worked to be a long-term contributing member of the community and is proud of its legacy – bringing jobs and development to the Seminole area.
- ▶ Hess is active in the community through a strong social responsibility program that supports local organizations and activities.

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