

Gas Storage



NETHERLAND, SEWELL & ASSOCIATES, INC.



NSAI 

One of the **most respected** names
in global petroleum consulting

NSAI 

Preferred by companies
who need **reliable results**

NSAI 

Quality at
a **competitive price**

NSAI 

Expertise in
Gas Storage

Gas storage reservoirs and operations are an important segment in the delivery of gas to the end-user market. Many facets of gas storage facilities are similar to the upstream producing properties that originally supply the gas. There are, however, many issues that are unique to storage operations. The Netherland, Sewell & Associates, Inc. (NSAI) Gas Storage team has been performing engineering and geologic evaluations of storage reservoirs for nearly two decades having accumulated relevant gas storage experience measured in tens of thousands of man-hours. NSAI's, nearly 50-year history of performing reservoir evaluations gives our experts tremendous insights into the unique aspects and complexities of storage evaluations. We are confident that our integrated geologic and engineering assessments will provide the results you need.

Gas Storage Experts

Mike Norton – Geologist – Houston

Tom Souers – Operations/Reservoir Engineer – Dallas

Mike Beggand – Reservoir/Simulation Engineer – Dallas

Derek Newton – Reservoir Engineer – Houston

Mike Krehel – Operations/Reservoir Engineer – Dallas



Methodology

Depending on the project needs, our scope of work generally includes:

- Geologic assessment of the storage reservoir's structure and trapping mechanisms along with assessment of surrounding reservoirs
- Review historical storage facility performance, including hysteresis analysis
- Material balance and reservoir simulation
- Volumetric analysis
- Field operations audit
- Planning and implementation of optimization programs

Selected Gas Storage Experience

- Beech Hill Field, New York
- Brasil Field, Mexico
- Chandeleur Block 29 Field, Louisiana
- Cunningham Field, Kansas
- Greasy Creek Field, Oklahoma
- Haskell Field, Oklahoma
- Lyons Field, Kansas
- Redfield Field, Iowa
- Six Lakes Field, Michigan
- Spenson and Young Fields, Colorado
- Stuart Field, Oklahoma
- Webb Field, Oklahoma
- Welda/Colony Field Complex, Oklahoma
- West Clear Lake Field, Texas
- West Edmond Field, Oklahoma

Selected Gas Storage Clients

- AIG Financial Products Corp.
- Bechtel Enterprises Holdings, Inc.
- Colorado Interstate Gas Company
- Enogex Inc. (OGE Energy Corp.)
- Northern Natural Gas Company
- Plains All American Pipeline Company
- Sempra Energy Trading Corporation
- Southern Star (formerly Williams Gas Pipelines Central, Inc.)
- UBS Warburg



Selected Services

- Storage conversion studies
- Gas migration studies
- Inventory verification studies
- Fair market valuations of original and native remaining gas
- Reservoir modeling
- Expert witness testimony
- Consultation on operational issues
- Storage optimization studies
- Assistance with planning and monitoring
- Assistance with KCC operating permit filings
- Assistance with FERC filings
- Horizontal well expertise

The NSAI name is highly respected among the energy and financial communities. Our reputation has been earned over decades of independent reserves assessments. Our gas storage team has the same commitment to quality and integrity while diligently conducting storage field evaluations for you.

Our clients get the NSAI name and our team of experts. We think they get the very best.



NETHERLAND, SEWELL & ASSOCIATES, INC.

Worldwide Petroleum Consultants

Offices in Dallas and Houston

Dallas 214.969.5401

Houston 713.654.4950

www.netherlandsewell.com

info@nsai-petro.com