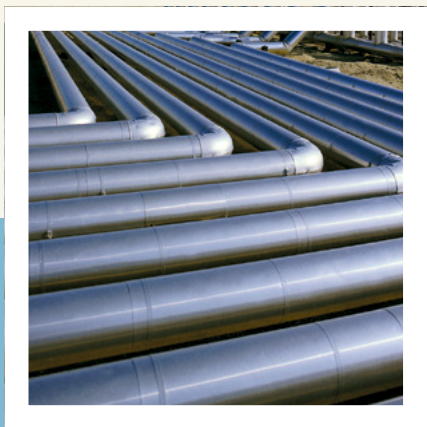


Gas Storage



NETHERLAND, SEWELL & ASSOCIATES, INC.



NSAII

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

NSAII

Preferred by companies
who need **reliable results**

NSAII

Quality at
a **competitive price**

NSAII

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 over two decades and has accumulated relevant gas storage experience measured in tens of thousands of man-hours. NSAI's 50-plus 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

Mike Begland – Reservoir/Simulation Engineer – Dallas

Derek Newton – Reservoir/Simulation 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 of 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.
- Atmos Energy Corp.
- Bechtel Enterprises Holdings, Inc.
- CenterPoint Energy
- Colorado Interstate Gas Company
- DTE Energy/MichCon
- Enogex Inc. (OGE Energy Corp.)
- Northern Natural Gas Company
- Plains All American Pipeline Company
- Sempra Energy Trading Corporation
- UBS Warburg



Selected Services

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

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.





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