# seismic imaging and subsurface consulting





### about us

Samit provides seismic data imaging, subsurface consulting services and technology solutions to clients in the E&P industry across India and the world.

With the support of the latest technologies from established partnerships of world leaders, every effort is made at preserving the geological integrity of the data, while ensuring a focus on delivering high quality results. The scope of services also include special imaging (time/depth), inversion, attribute analysis, seismic modeling and illumination studies, CBM exploration and development studies and data management among others.

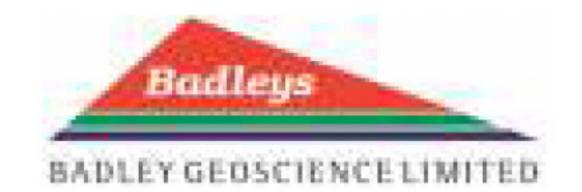
Led by experts with several decades of experience and understanding of sedimentary basins in India and other parts of the world, we undertake projects at our resource and development centre in Gurgaon, India, utilizing the highest standards and industry best practices to ensure that solutions are delivered on time.

## <u>our vision</u>

To build a world class organization delivering state-of-the-art solutions and highest quality services to our customers in the E&P industry, by fostering long term business partnerships with industry leaders.

#### our partners

With a strong belief that we must access the best technologies, practices, products and services for our clients, we seek partnerships with leading organizations around the world to deliver result-oriented solutions.





















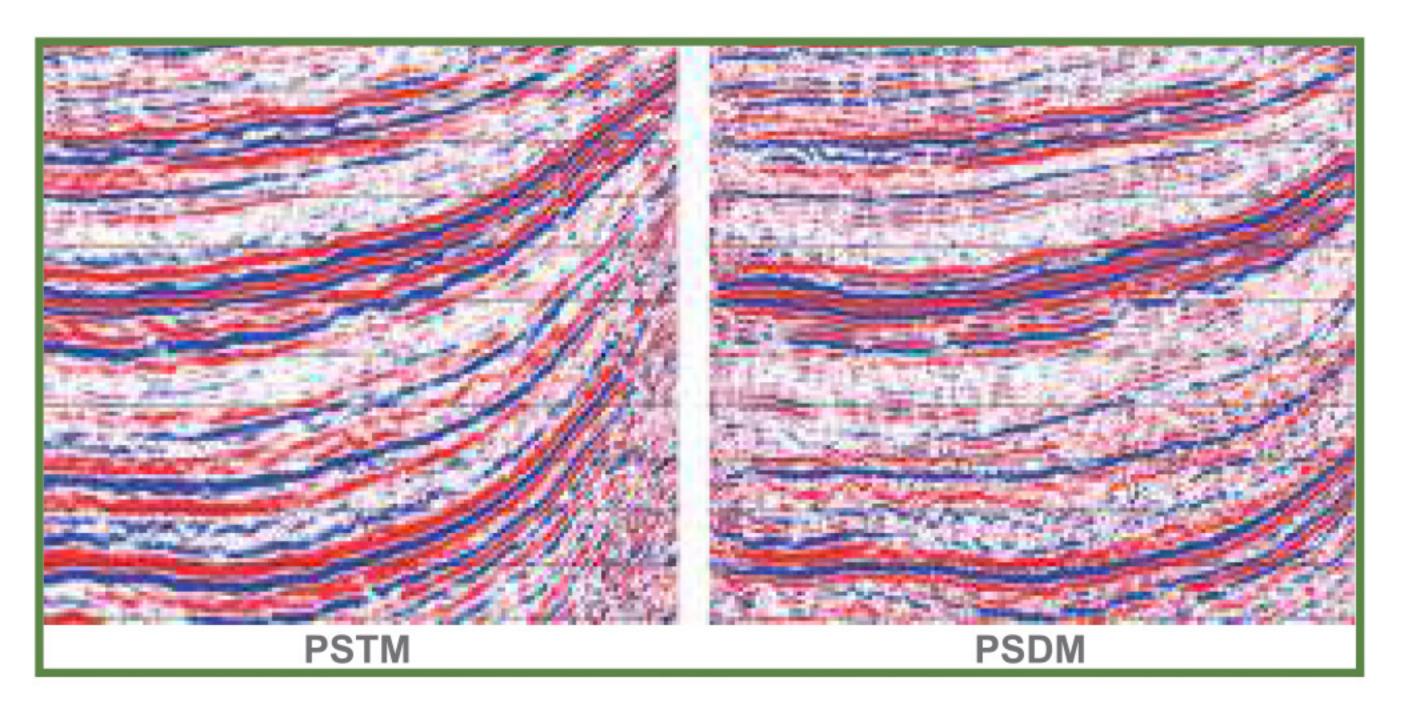


#### our services

#### Seismic Data Imaging

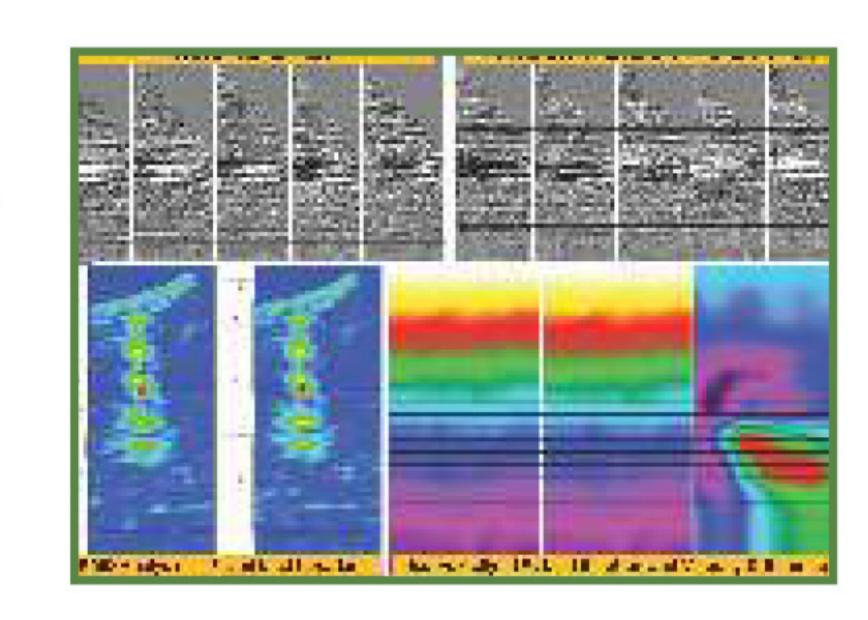
Many of today's exploration targets cannot be seen with conventional seismic-imaging methods.

Operators are now getting a clearer picture - even on the most complex features - using prestack time/depth imaging. More accurate results reduce the exploration risk and help delineate reserves.



Samit provides a wide range of normal and special seismic data processing services focused on solving seismic imaging challenges for its clients. Highly experienced geophysicists lead carefully

selected project
teams using state
of art technology,
innovative Seismic
processing,
imaging and
characterization
methodologies to
ensure results
expected both in
exploration and

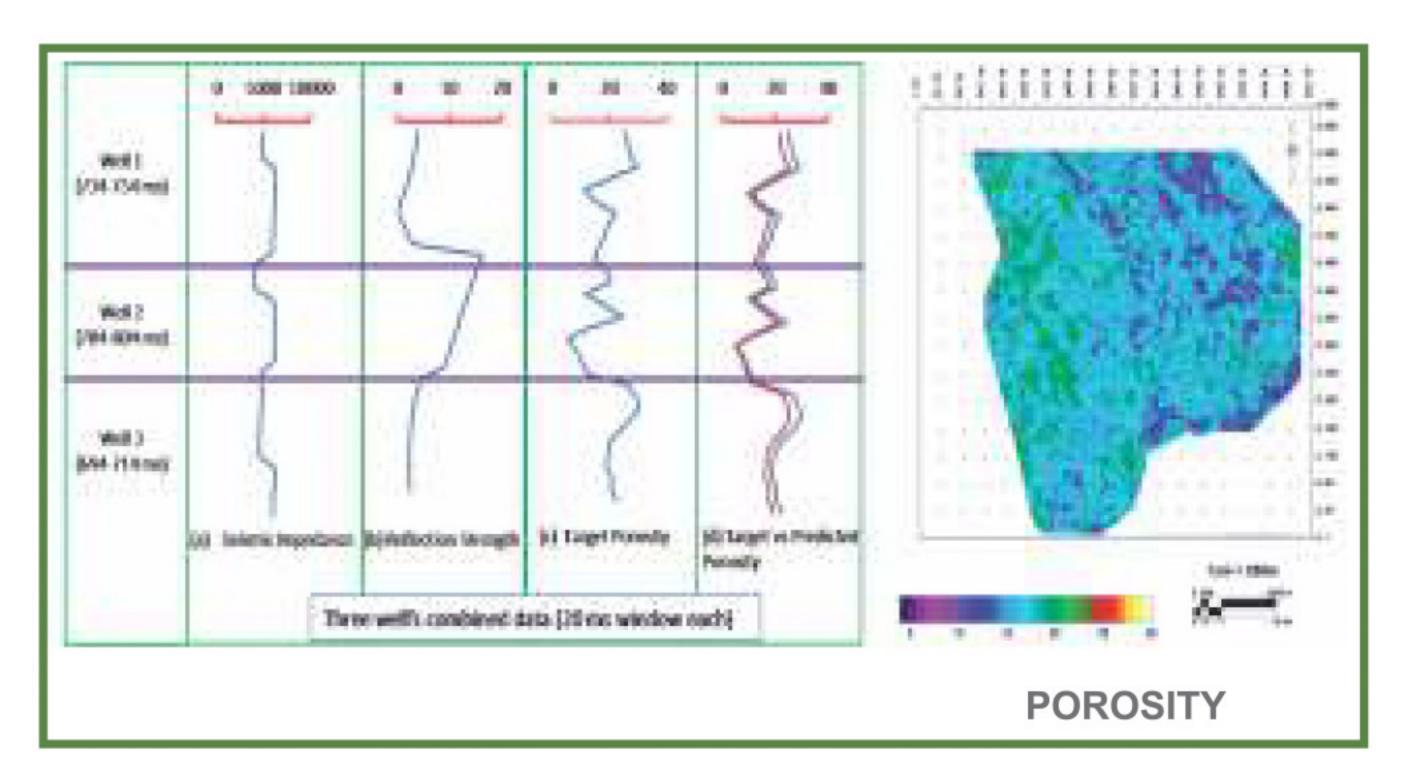


development environments. We utilize latest forward modeling and imaging capability to provide the highest resolution and identifiers for structural and stratigraphic components.

Our services include processing of 2D/3D/4D seismic data, pre stack time and depth migration, AVO, inversion, attribute analysis amongst others.

#### **Subsurface Consulting**

Understanding sub-surface adequately, especially in diverse geological settings, is key to a successful E&P company. At Samit, we provide a portfolio of subsurface studies to assist its clients in addressing some of the challenges in meeting this objective. Our services include survey design,



seismic modeling and illumination studies, prospect generation/prospect evaluation through integration of geosciences data, kinematic structural modeling, fault seal and fault fracture analysis, field development plan, integrated field studies including IOR/EOR solutions.

#### **Data Management**

To assist our clients in managing and storing their most valued asset-their data, we provide specialized and customized data management solutions for Media Transcription and Storage, Seismic Section Scanning & Reconstruction, Well Log & Map Scanning and Digitization and GIS.

#### **GM Data Processing/Interpretation**

Leading edge software solutions and services are provided in the field of Gravity-Magnetic Data processing and interpretation, 3D Geological modeling and Geophysical inversion.

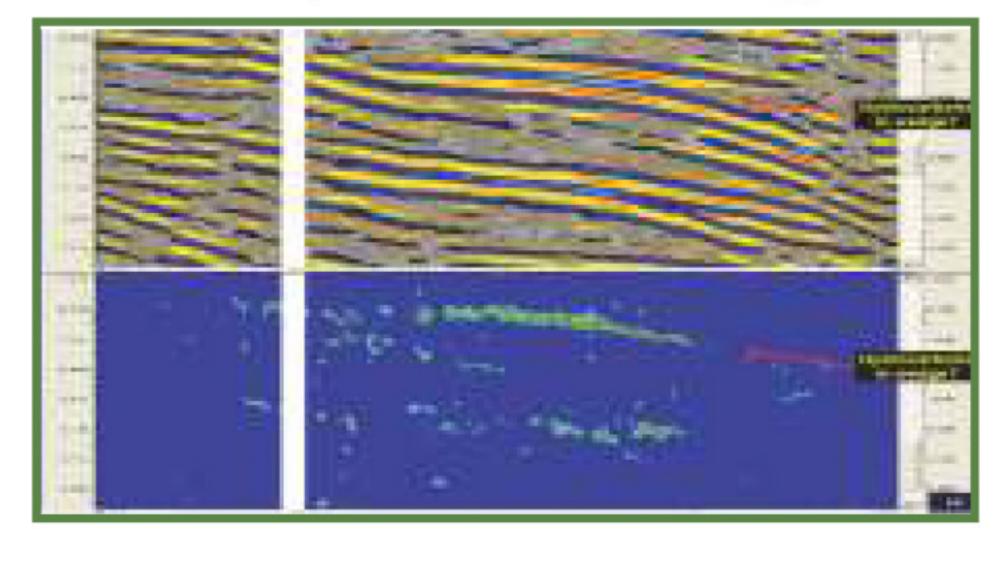
# Passive Seismic Data Acquisition and monitoring

Unique technology for hydraulic fracture mapping, reservoir and seismicity monitoring to improve production and avoid risks in development of conventional and unconventional resources like CBM, Shale gas, Tight Sand etc

#### Frequency Dependent DHI

Based of innovative and patented technology

where frequency dependent response of a fluid saturated permeable medium is used as a



DHI for discriminating hydrocarbon reservoir.

# Full Tensor Gravity Gradiometery (FTG) studies

A cost effective exploration tool, especially in logistically difficult areas with perceptively low prospectivity. Extremely low noise and high resolution FTG data allows detailed contact lineament mapping in addition to fault block and structural closure detection. Depth detection is a standard deliverable.

## **CBM Exploration and Development Solutions**

Technology and services for reservoir characterization and analogue selection of CBM assets and to optimize development program through reservoir management, defining well inflow location, well spacing etc.

we also provide specialized software solutions...

Landmark Software
Seismic data processing to simulation

TrapTester
Geological analysis of faults
and fault related processes

Move Structural modeling and analysis

Norsar-2D/3D
Seismic modeling software

DOT.CBM

Development Optimization
Toolkit for
Coal Bed Methane

GeoCLASS
Online training

Intrepid & GeoModeller
Gravity and Magnetic
processing, interpretation
and modelling

# just some of our clients

BHP **Bharat Petroleum** Cairn India DGH, India GAIL GSPC Geopetrol GujaratNRE Indian Oil Interlink Jindal Petroleum Jubilant Energy Naftogaz ONGC OIL India Premier Oil Reliance Selan

with two decades of experience, the Samit promise of excellence delivers high quality results.. ..on schedule.

# why our clients trust us...

- 1. With nearly twenty years of experience in India, we manage a team with excellent local knowledge and expertise.
- 2. We use state-of-the-art technologies and established 'best' practices.
- 3. We deliver high quality, relevant solutions while ensuring cost effectiveness within agreed time schedules.