

## **Selected examples:**

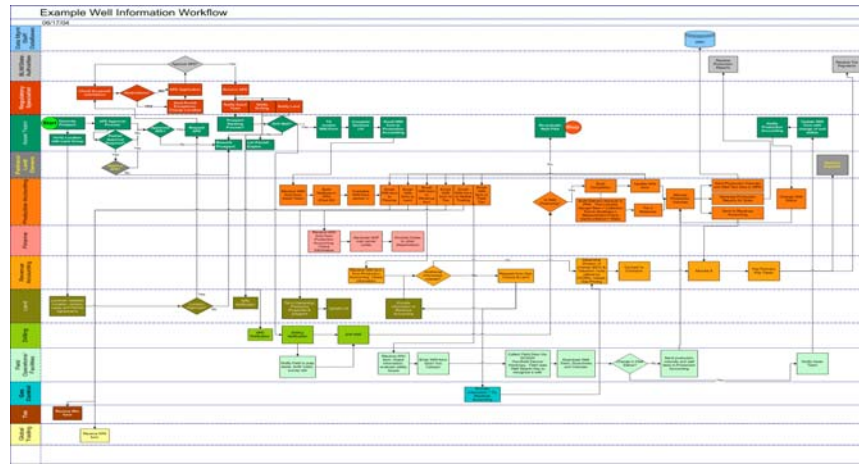
### **GTS Geotech**

## **Data and Information Management Projects**

### **Data Management consultancy for ChevronTexaco Mid-continent Business Unit, Houston**

GTS consultants assisted the ChevronTexaco mid-continent business unit to define a comprehensive programme for the ongoing management of upstream data within the business unit. A comprehensive project plan was developed, using CPDEP project management methodology, to align MCBU data preparatory activities with upstream project plans for the migration to master data stores. This included drilling information, field data capture, gas control, production allocation, well and production history, well logs, seismic, and physical assets.

A senior GTS consultant then worked with MCBU staff to document data flows from field to desktop. This included the mapping of the overall MCBU information management architecture, key data flows and business processes, such as the one illustrated below.



Example of cross-functional workflow diagram for well header data

In addition, to ensure the ongoing governance of data and information within the business unit, a Data Management Steering Team was implemented, with participation of both asset team and asset support groups.

Reference available upon request

### **Consultancy and data management project for Total ABK, Abu Dhabi**

GTS conducted an initial audit on of the well data, its structure, location, provenance, history and validity and put forward a project proposal to find the original data, clean and validate it and deposit it within a modern well data management system. GTS was awarded the data management project.

GTS then ran the cleanup project, designed the final data infrastructure and liased with all parties to ensure the success of the project. A significant task was the management of a disparate group of staff, from a number of private companies, all working on different aspects of the project and commercially independent of GTS.

### **Evaluation of data and information - Cairn Energy, Chennai, India**

GTS conducted a study of applications, geotechnical data and information used within CEIL. Key users were interviewed and existing work processes and data flows were mapped. The deliverable was a report to the client detailing the current situation and providing a series of recommendations to improve and standardise processes, improve data management procedures, reduce storage space by eliminating unnecessary data and increasing user trust in existing data stores.

## **Data management consultancy and clean-up for Kufpec, Kuwait**

GTS conducted an initial audit of E&P application and data usage. The result was a report detailing the findings and a series of recommendations to improve the effectiveness of the E&P group, reduce duplication and increase the level of trust in the data.

GTS then worked with Kufpec staff to rationalise applications, cleanup data and introduce standard processes for the handling of digital and physical data throughout the organisation.

"We chose GTS-Geotech on the strength of their proposal and value for money. We have awarded them subsequent work because of their proven expertise and knowledge of our systems"

## **Regional data reconciliation for Super-Major London and Aberdeen**

GTS supplied several Data Management Specialists to develop and implement the cleanup of Well, Log and Curve data as part of a regional data cleanup project. The objectives for the project were to improve data access for the geoscientists in Exploration, Development and Production thereby allowing them to work more effectively. GTS was required to:

- Define the high level strategy of the project

- Review the existing data types; prioritise the data types by area.

- Determine the requirements for data type cleanup and time forward procedures

- Implement both data reconciliation of each data type and time forward procedures to cleanup the data

GTS Geotech remained on-site during the cleanup phase, both co-ordinating and performing the cleanup together with refining the time forward procedures for loading new data. GTS Geotech represents the Log-Curve specialist on several committees at office, regional and corporate levels advising on techniques, procedures and constraints for the data cleanup.

## **Well data clean up for Super Major in Aberdeen and Lowestoft**

GTS formed part of the Quality Improvement Project or QIP team to improve the reliability of a Super Major's well data accumulated in the North Sea over the last 20 years.

In all GTS provided six data specialist to work with the client's IM team to develop workflows and methodologies and clean-up 10 separate well data types. Over 2000 wells were "QIP-ed" in a period of 18 months. The end of project report compiled by GTS was distributed throughout the client's offices worldwide as an example of a successful QIP to be used as a basis for further projects.

## **Livelink business and systems analysis**

GTS also won a contract to provide Livelink business and systems consultancy for a Document Management Conversion project at a Canadian oil company based in the UK. The client wanted to migrate a large amount of technical documentation to Livelink that was stored in a number of applications inherited after a large North Sea asset sale.

The GTS Livelink Business Consultant was responsible for conducting detailed requirements gathering & business/technical analysis on the data to be migrated and designed a solution to migrate the data from the application Enigma (Document & Workflow).

The solution included developing detailed taxonomy and mapping of the inherited Enigma designs to new Livelink-based designs. The Business Consultant also developed functional design for the Livelink conversion project and oversaw the conversion of data from Enigma to Livelink.

## **External validation of Finder, SeisDB, LogDB and AssetDB implementation for ONGC in association with POSC**

The Petrotechnical Open Software Corporation (POSC) invited GTS to provide expertise to a consultancy project reviewing a Finder/SeisDB/LogDB/AssetDB implementation by Schlumberger GeoQuest for ONGC in India.

The project was based out of Dehra Dun but also included most other ONGC operating units throughout India.

“GTS was chosen because of its independent knowledge of the Schlumberger products and E & P data types”

## **Well Log Data Management Project – Anadarko Algeria Corp. Uxbridge UK**

In addition GTS won a contract with Schlumberger to provide a Data Consultancy team to a major oil company, to undertake a well log data clean-up project.

GTS provided two data consultants (Petrophysicists) to undertake the clean up and petrophysical work, while Schlumberger were to provide a Service Delivery Manager to oversee the work and final QC.

### Project Plan

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Initial Audit to determine the number of wells that required cleaning

Working with Data Managers to set up the process workflow

Using process workflow – clean and process wells in Recall

Create Audit trail in Excel – displayed on company intranet so users could be kept up-to-date with project

Process sheets (clean up record) filled in for each well documenting details and issues

Transfer cleaned wells into OpenWorks with assigned interpreter – defining confidence in the data

Regular project meetings with the client & users

Project close out meeting & report

## **Data Management Consultancy Reliance Industries Limited, India**

The client's recent exploration success resulted in the generation of a considerable volume of data and information. In order to manage this effectively and share and retain the knowledge within the company, the client sought a comprehensive and integrated information and knowledge management solution (KIDIS). The solution was to facilitate the "seamless knowledge share" across the various business units in an efficient, effective and secure manner.

The solution comprised external, independent consultancy performed by GTS Consultants.

- requirement analysis and validation
- advice on project specifications
- evaluation of competitive bids
- project management of the system implementation.

GTS provided in depth consultancy and a blue print for successfully setting up a best fit, state of the art E&P database, information and knowledge management solution from build to operation.

GTS consultants provided domain wise expertise for Geology, Geophysics, Petrophysics, Production, Finance, Material Management & Human Resources. Data quality issues were highlighted to reduce evaluation risk & uncertainty.

The consultants also undertook an evaluation of industry leading solution providers such as Landmark, Schlumberger, Accenture and recommend the best service provider, coupled with the best solution based on the clients needs.

Consultancy included:

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Preparation of a solution in tandem with the client team and benchmark it including preliminary system design & cost benefit analysis.

Preparation of the tender document for inviting bids on the project.

Evaluation of the bids in association with the client

Evaluation and validation of all decisions on finance and procurement related to the establishment of this solution.

Provide Quality Assurance and Quality Control at all phases of the project.