



OIL AND GAS RECORDS

Separation and Data Extraction

SCOPE

The project had a deadline of 2 weeks to configure and deploy a solution to achieve the following:

- scan and index 4,000 boxes of 7 million pages spanning 100 years
- extract up to 5 critical fields from each document

END USER

Oil & Gas Company

PRODUCTS

Aluma

THEMES

Separation
Data Extraction

CHALLENGE

An oil and gas company undergoing a major acquisition needed to scan and index nearly 4,000 boxes of records that spanned over 100 years. Manual separation and indexing would have required approximately 20 man-years of work. The variety of documents—82 distinct types—and the diversity of formats within each type due to the long document retention period made automated solutions challenging. Other automation systems couldn't separate documents without target sheets, leading to delays and inefficiencies in processing.

SOLUTION

Aluma designed and deployed an automated scanning and indexing system that could process the backfile of 7 million pages without using target sheets for document separation.

This innovative approach leveraged advanced machine learning and artificial intelligence to automatically detect and separate different document types. The system was configured to automatically identify and extract 4-5 critical fields from each document with a high degree of precision, achieving 90% accuracy. This not only reduced the requirement for manual labor but also sped up the scanning, separation, and indexing process, delivering a cost-effective and efficient solution to the client.

The flexibility of this automated system made it adaptable to future projects with similar requirements, showcasing its potential for widespread adoption in the industry. This solution drastically reduced the required manual labor and enabled efficient scanning, separating, and indexing of the documents.

IMPACT



SIGNIFICANT LABOR AND TIME SAVINGS

The automated solution replaced what would have taken 20 man-years of manual labor with a streamlined process. This efficiency allowed the project to be completed within the acquisition's tight timeline, supporting the company's broader business objectives.



HIGH ACCURACY IN DOCUMENT SEPARATION AND INDEXING

The automated system achieved 90% accuracy in separating different document types without using target sheets. This high level of precision ensured that the records were properly organized, enabling easy access and retrieval of specific documents.



COST-EFFECTIVE SOLUTION

The cost savings made the project economically viable and allowed the company to allocate resources to other important areas, such as integration and operational improvements after the acquisition.