

AMERADA PETROLEUM CORPORATION
Box 668
HOBBS, NEW MEXICO

September 21, 1964

New Mexico Oil
Conservation Commission
P. O. Box 2088
Santa Fe, New Mexico

Gentlemen:

Amerada Petroleum Corporation respectfully requests administrative approval of the attached application to dispose of salt water into the Devonian formation in the State EC "A" No. 1, located in Unit C of Section 14, T-12-S, R-32-E, in the East Caprock Field of Lea County, New Mexico. This well is presently closed in.

Salt water is presently being disposed of, by injection into the Devonian formation, in the H. C. Posey "A" No. 4 (east offset well) as granted under Order No. R-1209. It is our desire to convert the State EC "A" No. 1 for disposal purposes so that an oil bearing zone in the H. C. Posey "A" No. 4 can be produced at this time. The interval of injection in the State EC "A" No. 1 will be the same equivalent interval that is presently taking water in the Posey "A" No. 4 and is below the present water-oil contact in the East Caprock Devonian field.

If this application cannot be handled administratively please schedule it for hearing at the earliest possible date.

Very truly yours,


D. C. Capps
District Superintendent

AJE/jh

cc: Texaco, Inc.
P. O. Box 728
Hobbs, New Mexico

State Engineers Office
N. M. O. C. C. - Santa Fe - 3
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Midland
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Tatum
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1. Introduction
 The purpose of this report is to provide a comprehensive overview of the current state of the art in the field of artificial intelligence, with a particular focus on the development and application of deep learning algorithms.

2. Background

Artificial intelligence (AI) is a branch of computer science that aims to create machines capable of performing tasks that typically require human intelligence. This includes tasks such as learning, reasoning, problem-solving, and perception.

2.1 Machine Learning

Machine learning (ML) is a subset of AI that focuses on the development of algorithms that can learn from data and make predictions or decisions based on that learning. ML algorithms are typically trained on a large dataset of examples, and they learn to generalize from these examples to new, unseen data.

Deep learning (DL) is a type of ML that is based on artificial neural networks (ANNs). ANNs are a class of models that are designed to mimic the structure and function of the human brain. They consist of multiple layers of interconnected nodes, each of which represents a different level of abstraction or processing. DL algorithms are particularly well-suited for tasks that involve complex, high-dimensional data, such as image and speech recognition.

One of the key challenges in DL is the need for large amounts of data and computational resources. This has led to the development of specialized hardware and software frameworks designed to accelerate the training and inference of DL models.

2.2 Applications

DL has found a wide range of applications in various fields, including:

- Image and speech recognition
- Natural language processing (NLP)
- Recommendation systems
- Healthcare and medicine
- Finance and economics

These applications have demonstrated the power of DL to solve complex, real-world problems, and they have paved the way for further research and development in the field.

In conclusion, the field of artificial intelligence, and in particular deep learning, has made significant progress in recent years. This report provides an overview of the current state of the art, highlighting the challenges and opportunities in this exciting and rapidly evolving field.

References

GENERAL OFFICE
Box 2040
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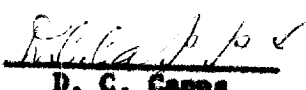
September 21, 1964

Mr. S. E. Reynolds
State Engineers Office
P. O. Box 1079
Santa Fe, New Mexico

Dear Sir:

Attached please find Amerada Petroleum Corporation's application to dispose of salt water into the Devonian formation in the State EC "A" No. 1, located in Unit C of Section 14, T-12-S, R-32-E, in the East Caprock Field of Lea County, New Mexico.

Vary truly yours,


D. C. Capps
District Superintendent

LRT/DCC/jh

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