

SUBJECT: SALT WATER DISPOSAL WELL

THE APPLICATION OF PAN AMERICAN  
PETROLEUM CORPORATION FOR A SALT  
WATER DISPOSAL WELL.

ORDER NO. SWD-70

ADMINISTRATIVE ORDER  
OF THE OIL CONSERVATION COMMISSION

Under the provisions of Rule 701 (C) Pan American Petroleum Corporation, made application to the New Mexico Oil Conservation Commission on July 17, 1968, for permission to complete for salt water disposal its Sellers Well No. 1 located in Unit M of Section 3, Township 8 South, Range 30 East, NMPM, Chaves County, New Mexico.

The Secretary-Director finds:

1. That application has been duly filed under the provisions of Rule 701 (C) of the Commission Rules and Regulations;
2. That satisfactory information has been provided that all offset operators, surface owners, and the New Mexico State Engineer Office have been duly notified; and
3. That the applicant has presented satisfactory evidence that all requirements prescribed in Rule 701 (C) will be met.
4. That no objections have been received within the waiting period prescribed by said rule.

IT IS THEREFORE ORDERED:

That the applicant herein, Pan American Petroleum Corporation is hereby authorized to complete its Sellers Well No. 1 located in Unit M of Section 3, Township 8 South, Range 30 East, NMPM, Chaves County, New Mexico, in such a manner as to permit the injection of salt water for disposal purposes into the Rustler formation at approximately 1005 feet to approximately 1035 feet through 2 3/8-inch tubing with a packer set at approximately 950 feet.

IT IS FURTHER ORDERED:

That jurisdiction of this cause is hereby retained by the Commission for such further order or orders as may seem necessary or convenient for the prevention of waste and/or protection of correlative rights; upon failure of applicant to comply with any requirement of this order after notice and hearing, the Commission may terminate the authority hereby granted in the interest of conservation. That applicant shall submit monthly reports of the disposal operation in accordance with Rules 704 and 1120 of the Commission Rules and Regulations.

APPROVED at Santa Fe, New Mexico, on this 11th day of  
September, 1968.

STATE OF NEW MEXICO  
OIL CONSERVATION COMMISSION

*A. L. Porter, Jr.*  
A. L. PORTER, Jr.  
Secretary-Director

SEAL

1. The first part of the paper is devoted to the

study of the properties of the function

$$f(x) = \sum_{n=0}^{\infty} \frac{a_n}{n!} x^n$$

where  $a_n$  are arbitrary real numbers.

It is shown that the function  $f(x)$  is entire if and only if the sequence  $\{a_n\}$  is bounded. In this case the function  $f(x)$  is called an entire function of order  $\lambda$  if the sequence  $\{a_n\}$  satisfies the condition

$$a_n = O(n^{\lambda}) \quad (1)$$

where  $O$  denotes the order of magnitude. The function  $f(x)$  is called a function of order  $\lambda$  if it satisfies the condition

$$f(x) = O(e^{\lambda |x|}) \quad (2)$$

where  $O$  denotes the order of magnitude. The function  $f(x)$  is called a function of order  $\lambda$  if it satisfies the condition

$$f(x) = O(e^{\lambda |x|}) \quad (3)$$

where  $O$  denotes the order of magnitude.

It is shown that the function  $f(x)$  is entire if and only if the sequence  $\{a_n\}$  is bounded. In this case the function  $f(x)$  is called an entire function of order  $\lambda$  if the sequence  $\{a_n\}$  satisfies the condition

$$a_n = O(n^{\lambda}) \quad (4)$$

where  $O$  denotes the order of magnitude. The function  $f(x)$  is called a function of order  $\lambda$  if it satisfies the condition

$$f(x) = O(e^{\lambda |x|}) \quad (5)$$

where  $O$  denotes the order of magnitude.

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