

Consolidated Oil & Gas, Inc.

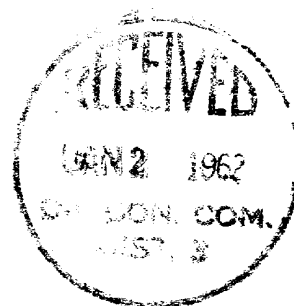
Executive Offices

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DENVER-U. S. NATIONAL CENTER
1700 BROADWAY
DENVER 2, COLORADO
PHONE AMHERST 6-1306

December 21, 1961

State of New Mexico
Oil Conservation Commission
P. O. Box 51
Santa Fe, New Mexico

Attention: J. C. Porter, Jr.
Secretary



Gentlemen:

Reference is made to Order No. 715, Order No. R-1967, rendered by the Oil Conservation Commission of the State of New Mexico on October 21, 1961.

In this case, the application of Consolidated Oil & Gas, Inc., for the formation of a 30%-acre non-standard gas production unit in the Radio-Comanche (Hance-Manover) fields, San Juan County, New Mexico, was approved. The non-standard gas production unit comprised the NW/4 of Section 9 and the NE/4 of Section 10, Township 31 North, Range 13 East, NMPL, San Juan County, New Mexico.

Finding No. (4), contained in the aforementioned Order, states as follows:

(4) The production unit in the above-described non-standard gas production unit will not impair relative rights inasmuch as it contains non-standard gas production unit comprising the NW/4 of Section 9, and the NE/4 of Section 10, Township 31 North, Range 13 East, NMPL, San Juan County, New Mexico.

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December 29, 1961

Consolidated has previously obtained applications for the acquisition of the entire leasehold estate comprising said NW 1/4 of Section 8 and SW 1/4 of Section 10 and is desirous of communitizing said acreage into a 320-acre non-standard gas production unit as referred to in the above-quoted Finding No. (5). It is our desire to commence drilling operations immediately.

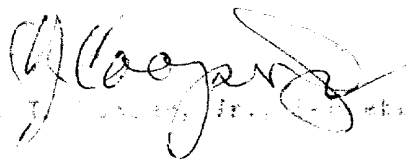
Enclosed is enclosed showing the location of the proposed non-standard gas production unit as well as the other units operated by Consolidated in the Moore State Area. The proposed well has been designated the Legal No. 1-10 and will be completed as a dual producer from the Mesaverde and Dakota Formations.

Since the formation of the second non-standard unit was considered as a part of Legal No. 1310, it has occurred to us that perhaps approval of this second non-standard gas production unit could be obtained from the Commission as a matter of course without the necessity of a separate formal application to the Commission. Therefore, we should like to respectfully request that, if possible, approval be given to the formation of the second non-standard gas production unit based on the stipulations of the application for the first non-standard unit shown.

We are awaiting your further instructions.

Yours very truly,

NEW MEXICO PRODUCTION GAS, INC.


J. I. Cooper, Jr., Secretary

Enc
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✓ cc: Mr. Emery Canola
Aztec, New Mexico

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

properties of the function $f(x)$ defined by the equation

$$f(x) = \int_0^x \frac{1}{1+t^2} dt$$

It is shown that the function $f(x)$ is increasing and concave down on the interval $(-\infty, \infty)$. Moreover, the function $f(x)$ has a horizontal asymptote at $y = \frac{\pi}{2}$ as $x \rightarrow \infty$ and a vertical asymptote at $x = 0$ as $x \rightarrow -\infty$.

The second part of the paper is devoted to the study of the

function $f(x)$ defined by the equation

$$f(x) = \int_0^x \frac{1}{1+t^2} dt$$

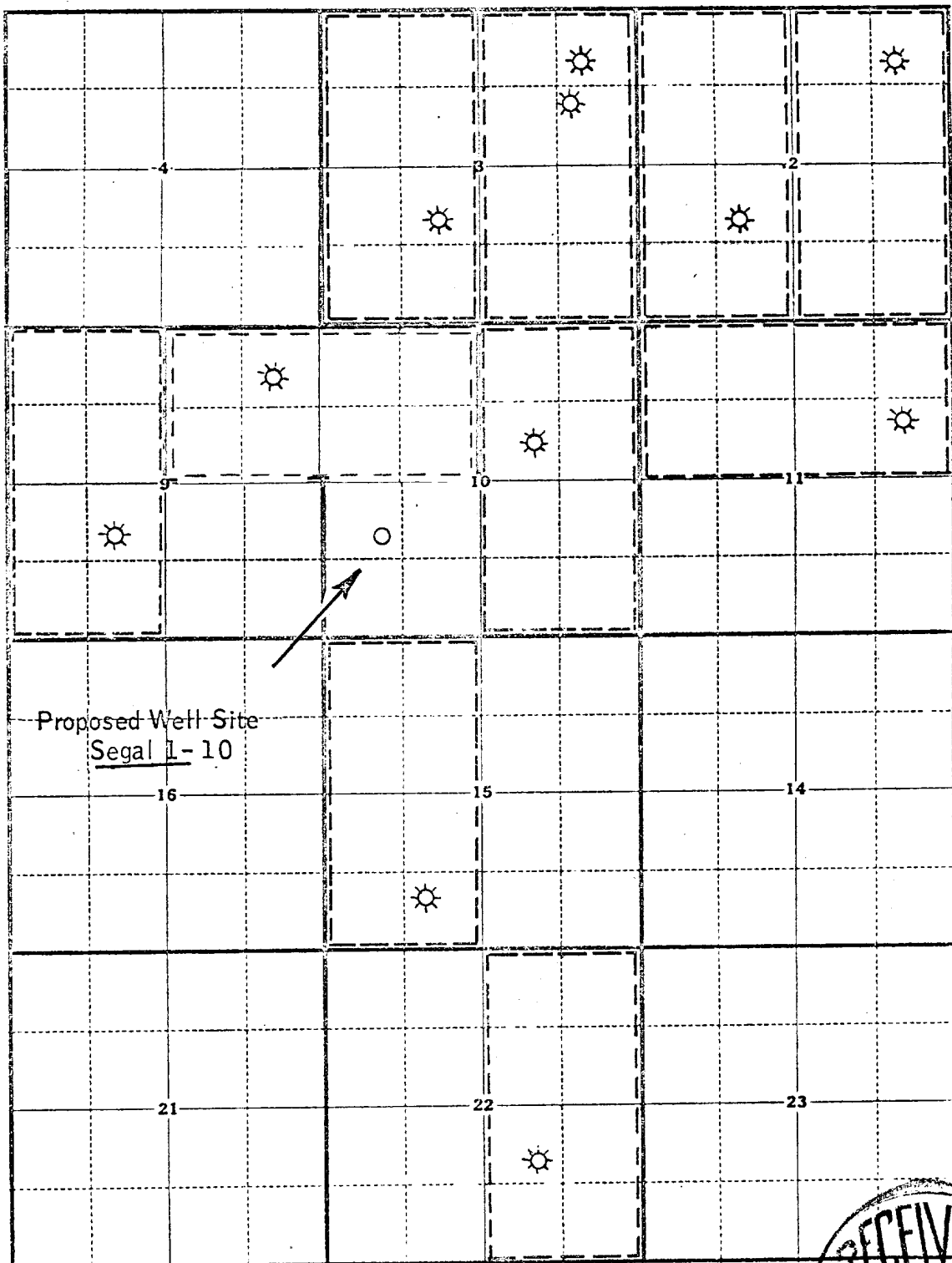
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The third part of the paper is devoted to the study of the

EXHIBIT A

Township 31 NORTH, Range 13 WEST,

County SAN JUAN, State NEW MEXICO



LEGEND

Proposed unit

Acreage under lease to or operated by Consolidated Oil & Gas, Inc.

----- 320-acre units operated by Consolidated Oil & Gas, Inc.

