

OIL CONSERVATION COMMISSION

P. O. BOX 2088

SANTA FE, NEW MEXICO

February 24, 1967

C
Aztec Oil & Gas Company
P. O. Box 837
Hobbs, New Mexico

O
Attention: Mr. Lester L. Duke

Administrative Order OLS-50

P
Gentlemen:

Y
Reference is made to your application dated January 3, 1967, for administrative authority for off-lease storage for Strawn oil production from your Aztec Federal "M" Well No. 1 located in Unit L of Section 27, Township 18 South, Range 33 East, Lea County, New Mexico. It is our understanding that the production from said well would be transported to your Federal Lease No. 0997 in Unit E of Section 27, Township 18 South, Range 33 East for storage.

Pursuant to the provisions of Commission Rule 309-C, Aztec Oil & Gas Company is hereby authorized off-lease storage as described above.

Very truly yours,

A. L. PORTER, Jr.
Secretary-Director

ALP/DSN/esr

cc: Oil Conservation Commission - Hobbs
United States Geological Survey - Roswell

7-10-68

3. EFG/OMC: $\Delta \text{EFG} = 0.000000$ eV, $\Delta \text{OMC} = 0.000000$ eV
 4. EFG/OMC: $\Delta \text{EFG} = 0.000000$ eV, $\Delta \text{OMC} = 0.000000$ eV
 5. EFG/OMC: $\Delta \text{EFG} = 0.000000$ eV, $\Delta \text{OMC} = 0.000000$ eV

CHOCOLATE

[illegible][illegible]

...as described above.

102-02 1000 1000

SECRET

ACKNOWLEDGMENTS

10-01 101-214-00 101-214-00 101-214-00 101-214-00
11-01 101-214-00 101-214-00 101-214-00 101-214-00

5

AZTEC OIL & GAS COMPANY

P. O. BOX 837
HOBBS, NEW MEXICO

January 3, 1967

1967 JAN 16 AM 10 10

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

Attention: Mr. A. L. Porter, Jr.

CL-5-60 Re: Application for "Off-Lease
Storage" of Strawn oil
production from Aztec Oil &
Gas Company's Federal "M"
Well No. 1, Lease No. 064944.

Gentlemen:

Aztec Oil & Gas Company respectfully requests an exception to Rule 309-A and administrative approval to permit production from Federal "M" well No. 1 located in Unit L, Section 27, Township 18 South, Range 33 East, Lea County, New Mexico, which will be completed in the Strawn formation, to be transported prior to measurement to storage facilities located on Federal Lease No. 0997 in Unit E, Section 27, Township 18 South, Range 33 East, Lea County, New Mexico.

The following facts are pertinent to this request:

1. All production will be from the same common source of supply.
2. Commingling of production from the two leases will not result.
3. There will be no intercommunication of the handling, separating, treating, or storage facilities designated to each lease.
4. Western Oil Fields, Inc. owns an interest in Lease No. 064944 and their written approval to the off-lease storage is attached.
5. These leases involve Federal lands; therefore, evidence that the Regional Supervisor of the United States Geological Survey has consented to this proposed off-lease storage is attached to this application.

1000

1000

1000

1000

1000

1000

1000

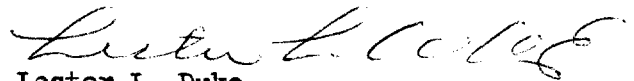
1000

6. Form C-102 reflecting ownership of the subject leases, well, formations, and location of the proposed tank battery is attached to this application.
7. The approval of this application will honor the land owner's request as the storage facilities will be located on an abandoned location so there will be no additional damage to the surface.

Your approval of this application will be appreciated.

Very truly yours,

AZTEC OIL & GAS COMPANY



Lester L. Duke
District Superintendent

LLD/JE/lh

Attachments

cc: U.S.G.S. - Roswell
Mr. Van Thompson
Mr. Prentice Watts
Western OIL Fields, Inc.

1. The first part of the paper is devoted to the study of the properties of the function $f(x)$ defined by the equation

$$f(x) = \frac{1}{x}$$

for $x > 0$. It is shown that the function $f(x)$ is strictly decreasing and convex on the interval $(0, \infty)$. The first derivative of the function is given by the formula

$$f'(x) = -\frac{1}{x^2}$$

$$f''(x) = \frac{2}{x^3}$$

$$f'''(x) = -\frac{6}{x^4}$$

$$f^{(4)}(x) = \frac{24}{x^5}$$

It is also shown that the function $f(x)$ has a horizontal asymptote at $y = 0$ and a vertical asymptote at $x = 0$.

The second part of the paper is devoted to the study of the properties of the function $g(x)$ defined by the equation

$$g(x) = \frac{1}{x^2}$$

for $x > 0$. It is shown that the function $g(x)$ is strictly decreasing and convex on the interval $(0, \infty)$. The first derivative of the function is given by the formula

$$g'(x) = -\frac{2}{x^3}$$

and the second derivative is given by the formula

$$g''(x) = \frac{6}{x^4}$$

It is also shown that the function $g(x)$ has a horizontal asymptote at $y = 0$ and a vertical asymptote at $x = 0$.



UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Drawer 1857
Roswell, New Mexico 88201

January 11, 1967

Aztec Oil & Gas Company
P. O. Box 837
Hobbs, New Mexico 88240

Attention: Mr. Lester L. Duke

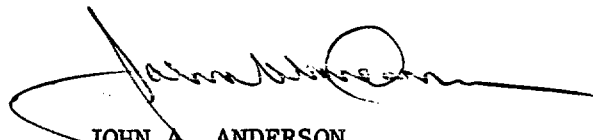
Gentlemen:

Your letter of January 3 requests approval for off-lease storage of oil produced from your well No. 1 Federal "M" in the NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 27, T. 18 S., R. 33 E., Lea County, New Mexico, lease Las Cruces 064944. The oil produced will be stored in a separate tank battery located in the SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 27, T. 18 S., R. 33 E., lease New Mexico 0997.

The method of off-lease storage described in the attachments to your letter is hereby approved. The proposed tank battery should be properly identified.

You are requested to notify our Hobbs office when the installation is completed so that a field inspection of the facilities can be made.

Sincerely yours,


JOHN A. ANDERSON
Regional Oil and Gas Supervisor

January 3, 1967

Western Oil Fields, Inc.
P. O. Box 1137
Hobbs, New Mexico

Attention: Mr. Paul White

Re: Application for "Off-Lease Storage"
of Strawn Oil production from Astec
Oil & Gas Company's Federal "M" Well
No. 1, Lease No. 064944.

Gentlemen:

Astec Oil & Gas Company requests your approval of the attached application to permit the Strawn oil production from the Federal "M" Well No. 1 to be transported prior to measurement to Lease No. 0997 for storage, as Western Oil Fields, Inc. owns an interest in Federal Lease No. 064944.

If you are in agreement with this application, please execute and return to this office six copies.

Very truly yours,

AZTEC OIL & GAS COMPANY

original signed by:
LESTER L. DUKE

Lester L. Duke
District Superintendent

LLD/JE/lh
Enclosures

APPROVED:

BY Paul White

DATE 1-5-67

1941

1941

1941

1941

1941

1941

1941

1941

1941

1941

1941

1941

1941

1941

**NEW MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLAT**

Form C-102
Supersedes C-128
Effective 1-1-65

All distances must be from the outer boundaries of the Section.

Operator Aztec Oil & Gas Company			Lease		Well No.
Unit Letter	Section 27	Township 18-S	Range 33-E	County Lea	
Actual Footage Location of Well:					
feet from the		line and	feet from the		line
Ground Level Elev:	Producing Formation	Pool	Dedicated Acreage:		Acres

1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling, etc?

☐ Yes ☐ No If answer is "yes," type of consolidation _____

If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.) _____

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Commission.

	CERTIFICATION
	I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.
	Name _____
	Position _____
	Company _____
	Date _____
	I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.
	Date Surveyed _____
	Registered Professional Engineer and/or Land Surveyor _____
	Certificate No. _____