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**OIL CONSERVATION COMMISSION**

P. O. BOX 871

SANTA FE, NEW MEXICO

December 27, 1956

*file*

**Shell Oil Company**  
**P. O. Box 845**  
**Roswell, New Mexico**

**Attention: Mr. O. V. Lawrence**

Re: **(Bluitt Unit Area)**  
**Roosevelt County, New Mexico**

**Gentlemen:**

**This is to advise that the New Mexico Oil Conservation Commission has this date approved the additional extension of time in which to commence the third test well within the subject unit area, said extension to run from January 4, 1957, until July 4, 1957, as requested in your letter of December 20, 1956.**

**Approval of this extension of time is granted subject to like approval being obtained from the United States Geological Survey and from the Commissioner of Public Lands of the State of New Mexico.**

**Very truly yours,**

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

**ALP:DSN:jh**

cc: U. S. G. S., Roswell  
Commissioner of Public Lands, Santa Fe

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## SHELL OIL COMPANY

P. O. Box 845  
Roswell, New Mexico

December 21, 1956

Subject: Roosevelt County, New Mexico  
Bluit Unit

Mr. E. S. alker  
Commissioner of Public Lands  
Santa Fe, New Mexico

Dear Mr. alker:

We are attaching a copy of letter application for extension of time to commence a third test well on our Bluit Unit.

The Bluit Unit will terminate on or before January 4, 1957, unless an extension is granted. In view of the short time remaining, we would certainly appreciate your considering this matter as soon as possible.

Yours very truly,

J. V. Lawrence  
Roswell Division Land Manager

Attachment

cc - Oil Conservation Commission  
Santa Fe, New Mexico



## SHELL OIL COMPANY

P. O. Box 845  
Roswell, New Mexico

December 21, 1956

Subject: Roosevelt County, New Mexico  
Bluit Unit

Mr. S. S. alker  
Commissioner of Public Lands  
Santa Fe, New Mexico

Dear Mr. alker:

We are attaching a copy of letter application for extension of time to commence a third test well on our Bluit Unit.

The Bluit Unit will terminate on or before January 4, 1957, unless an extension is granted. In view of the short time remaining, we would certainly appreciate your considering this matter as soon as possible.

Yours very truly,

J. V. Lawrence  
Roswell Division Land Manager

Attachment

cc - Oil Conservation Commission  
Santa Fe, New Mexico

-2-

In our preparation for drilling a test on this prospect, we realized the presence of multiple shallow seismic reflections which may mask a deep-seated structure, and experimental seismic surveys conducted in September of this year confirmed the presence of these reflections and additional investigation and study is warranted. The presence of three dry Siluro-Devonian tests on the northwest flank of the one-well Smeyer Devonian field in Section 2, T-9-S, R-3-E, has prompted us to take a closer look at our data. This field is located on an anomaly of similar magnitude to the one in the southeast part of the Fluit Unit.

We have been trying to interest an outside party in drilling on this anomaly in the southeast part of the unit. In this connection, there is such a short time before the unit expires and coupled with the temporary shortage of available deep rigs, it is doubtful if drilling could be commenced before the expiration of the unit. We are also considering the possibility of additional drilling to evaluate the wedge-out possibilities on the main part of the Fluit feature near the Fluit Unit No. 1 test either by own-account drilling or through test-promotion.

We, therefore, formally request that a six month extension of time in which to commence a third test be granted the operator of captioned unit, said extension to run from January 4, 1957, until July 4, 1957.

Yours very truly,

SHELL OIL COMPANY

*D. V. Lawrence*  
*D. V. Lawrence*  
D. V. Lawrence  
Coswell Division Land Manager

*Extension of time Jan 4, 1957,  
to July 4, 1957, approved  
by A. C. Porter Jr. on Dec. 27, 56.*

**ILLEGIBLE**



## SHELL OIL COMPANY

P. O. Box 845  
Roswell, New Mexico

December 21, 1956

Subject: Roosevelt County, New Mexico  
Unit Unit

Director, United States Geological Survey  
Washington, D. C.

Commissioner of Public Lands  
Roswell, New Mexico

Oil Conservation Division  
Roswell, New Mexico

Gentlemen:

Under the terms of Section 1 of the Unit Unit Agreement, we request that a six-month extension of time be granted to Shell Oil Company, as unit operator of the Unit Unit, within which to commence the drilling of the third test well within the unit area. Under the terms of the Unit Unit Agreement as extended, the third test should be commenced on or before December 31, 1957, unless an extension is granted.

The first test well was drilled three pre-Habrian tests in the general area of the Unit Unit. The first well, Shell-Federal-Warders No. 1 located in Section 5, T-1-S, R-1-E at the high part of our anomaly. This well was drilled in 1948 and was abandoned at a depth of 2,675 feet. Only minor hydrocarbon shows were encountered in the pre-Habrian section prior to abandonment.

The second test, Shell-Unit Unit No. 1 located in Section 14, T-1-S, R-1-E, was drilled in 1948 to a depth of 2,300 feet in pre-Habrian rocks. The well was located on the east flank of this feature to test the vadial conditions of the pre-Habrian rocks. Additional non-Habrian sections were also entered overlying the pre-Habrian as compared to the Federal-Warders No. 1. However, no significant shows of hydrocarbons were encountered except in the pre-Habrian section where the accumulation was too small to constitute a commercial well.

The third test, Shell-Unit Unit No. 2 located in Section 16, T-1-S, R-1-E, was abandoned August 29, 1955 and abandoned January 5, 1956, at a depth of 2,157 feet in pre-Habrian case east rocks. This well was drilled on a seismic prospect south of the main fault in the southwest part of the unit. No shows of oil or gas were encountered.

We have mapped a similar seismic prospect to that on which Unit Unit No. 2 was drilled which is located in the southeast part of the unit area.

ILLEGIBLE



STANDARD OIL

SHELL OIL COMPANY

Case #675

PETROLEUM BUILDING

P. O. BOX 1509

MIDLAND, TEXAS

December 5, 1956

Subject: Roosevelt County, New Mexico  
Bluit Unit  
14-08-001-1239

Director, United States Geological Survey  
Washington, D. C.

Commissioner of Public Lands  
Santa Fe, New Mexico

Oil Conservation Commission  
Santa Fe, New Mexico

Gentlemen:

We refer to our letter dated June 12, 1956, addressed to you in which we applied for a six months extension until January 4, 1957, for commencement of the third test well on the Bluit Unit. In the fourth paragraph of that letter we described the results of our Bluit Unit #2 well and gave its location as "NW1/4 Section 11, T-8-S, R-37-E". That location is wrong; it should have been shown as "SW1/4 Section 16, T-8-S, R-37-E." The error has just been discovered while going through the file in connection with another matter regarding the unit.

We sincerely regret our error in describing this location and are calling it to your attention so that the record will be correct.

We trust that this error does not affect the extension of time granted and would appreciate a confirming letter to that effect.

Yours very truly,

*J. V. Lindsey*  
J. V. Lindsey  
Land Manager

RDH:JA



MAIL OFFICE 000 SHELL OIL COMPANY

P. O. Box 845  
Roswell, New Mexico

June 15, 1956

Subject: Roosevelt County, New Mexico  
(Bluit Unit)

*file return to [signature]*

Mr. E. S. Walker  
Commissioner of Public Lands  
Santa Fe, New Mexico

Dear Mr. Walker:

We are attaching a copy of letter application for extension of time to commence a third test well on our Bluit Unit.

The Bluit Unit will terminate on or before July 4, 1956, unless an extension is granted. In view of the short time remaining, we would certainly appreciate your considering this matter as soon as possible.

Yours very truly,

*[Signature: O. V. Lawrence]*

O. V. Lawrence  
Roswell Division Land Manager

Attachment

cc - Oil Conservation Commission  
Santa Fe, New Mexico



## SHELL OIL COMPANY

MIDLAND AREA

MAILING ADDRESS  
P. O. BOX 1509  
MIDLAND, TEXAS

GENERAL OFFICES  
PETROLEUM BUILDING  
MIDLAND, TEXAS

June 12, 1956

Director, United States Geological Survey  
Washington, D. C.

Commissioner of Public Lands  
Santa Fe, New Mexico

Oil Conservation Commission  
Santa Fe, New Mexico

In Re: Roosevelt County, New Mexico  
Bluit Unit

Gentlemen:

Under the terms of Section 9 of the Bluit Unit Agreement, we request that a six month extension of time be granted to Shell Oil Company, as Unit Operator of the Bluit Unit, within which to commence the drilling of the third test well within the Unit area. Under the terms of the Bluit Unit Agreement, the third test should be commenced on or before July 4, 1956, unless an extension is granted.

The Shell-Bluit Unit No. 1, located in Section 14, Township 8 South, Range 57 East, was spudded on April 8, 1954, and was completed dry and abandoned on September 23, 1954. This well reached a total depth of 9700 feet in pre-Cambrian granite. Drill stem tests were made in the San Andres dolomite, the Apo-wolfcamp dolomite, and the Pennsylvanian limestone. No significant shows of hydrocarbon were encountered except in the San Andres section.

After reaching a total depth of 9700 feet, Bluit Unit No. 1 was plugged back to 4200 feet in the San Andres dolomite and was subjected to fracture treatment. Although a small quantity of gas was obtained as a result of this artificial stimulation, the accumulation was too small to constitute a commercial well, and the test was abandoned.

Shell, Bluit Unit No. 2, in the NW-1/4 SW-1/4 Section 11, T-8-S, R-57-E, was spudded August 15, 1955. This test was drilled on a seismic anomaly in the southern part of the unit and reached a total depth of 12,597 feet in the pre-Cambrian basement rocks. Bluit No. 2 encountered no significant shows of oil and gas and was abandoned on January 5, 1956.



We have made a complete re-study of all of our geological and geophysical data in the area of the Bluit unit and conclude that another geophysical anomaly in the southern part of the unit warrants testing. We are currently preparing for approval a recommendation to drill a 12,200-foot wildcat on the untested seismic anomaly; however, operations for such well cannot be commenced before the expiration date of the Bluit unit.

We, therefore, formally request that a six month extension of time in which to commence a third test be granted the operator of captioned unit, said extension to run from July 1, 1956, until January 1, 1957.

Yours very truly,

WILLIAM W. BARNETT

J. E. Elash  
Vice President

cc: 100

Approved.....6/26.....1956

W. F. Barnett  
Secretary-Director

NEW MEXICO OIL CONSERVATION COMMISSION

THIS APPROVAL GRANTED SUBJECT TO LIKE APPROVAL  
BEING GRANTED BY THE UNITED STATES GEOLOGICAL  
SURVEY AND BY THE COMMISSIONER OF PUBLIC LANDS  
OF THE STATE OF NEW MEXICO.

**OIL CONSERVATION COMMISSION**

P. O. BOX 871

SANTA FE, NEW MEXICO

June 25, 1956

**Shell Oil Company  
P. O. Box 1509  
Midland, Texas**

**Attention: Mr. J. E. Clark**

**Re: Bluit Unit Area  
Roosevelt County, New Mexico**

**Gentlemen:**

**This is to advise that the New Mexico Oil Conservation Commission has this date approved the extension of time in which to commence the third test well within the subject unit area, said extension to run from July 4, 1956, until January 4, 1957, as requested in your letter of June 12, 1956.**

**Approval of this extension of time is granted subject to like approval being obtained from the United States Geological Survey and from the Commissioner of Public Lands of the State of New Mexico.**

**Very truly yours,**

**A. L. PORTER, JR.,  
Secretary - Director**

**ALP:DSN:ds**

**cc: United States Geological Survey  
Roswell, New Mexico**

**Commissioner of Public Lands  
Santa Fe, New Mexico**

Case  
675

MAIN OFFICE OCC

1956 JUN 18 AM 8:09

June 18, 1956

In reply refer to:  
Unit Division

Shell Oil Co.  
P. O. Box 845  
Roswell, New Mexico

Re ( Bluit Unit - )  
Extension of Time in  
which to Commence a  
Third Test Well

Attention: Mr. J. E. Clark  
Vice-President

Gentlemen:

This is to inform you that the Commissioner of Public Lands herewith grants your request for an extension of six months in which to commence a third test well within the Bluit Unit Area, said extension to run from July 4, 1956, until January 4, 1957.

This extension is subject to like approval by the United States Geological Survey and the New Mexico Oil Conservation Commission.

Very truly yours,

E. S. WALKER  
Commissioner of Public Lands

MMR/m

67-5  
In reply refer to:  
Unit Division

December 27, 1956

Shell Oil Company  
P.O. Box 845  
Roswell, New Mexico

Re: Bluit Unit  
Extension of Time in  
which to Commence a  
Third Test Well

Gentlemen:

This is to inform you that the Commissioner of Public Lands herewith grants your request for an extension of six months in which to commence a third test well within the Bluit Unit Area, said extension to run from January 4, 1957 to July 4, 1957.

This extension is subject to like approval by the United States Geological Survey and the New Mexico Oil Conservation Commission.

Very truly yours,

E. S. WALKER  
Commissioner of Public Lands

ESW:MMR

cc: OCC-Santa Fe  
USGS-Roswell