

# SHELL OIL COMPANY

WESTERN DIVISION  
P. O. BOX 1509  
MIDLAND, TEXAS 79704

1000  
NOV 18 1965

November 17, 1965

Subject: Lea County, New Mexico  
North Antelope Ridge Unit Area

*Case 3354*

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

Attention Mr. Pete Porter

Gentlemen:

Pursuant to our telephone conversation of this morning, we are furnishing herewith the original and two copies of our Application for Approval of the North Antelope Ridge Unit Agreement, together with one copy of said agreement.

We should appreciate your placing this request on the docket for the examiner hearing to be held on December 14, 1965.

Yours very truly,

R. A. Clarke  
Western Division Land Manager

Enclosures

DOCKET MAILED

Date 12-1-65



GEOLOGICAL REPORT - NORTH ANTELOPE RIDGE UNIT

LEA COUNTY, NEW MEXICO

LOCATION

The proposed North Antelope Ridge Unit is in the northeast Delaware Basin in southern Lea County, New Mexico, immediately northeast of Antelope Ridge (Morrow and Siluro-Devonian) field and 20 miles southwest of Eunice, New Mexico.

STRUCTURE

Seismic data of good to poor quality indicate a northeast-southwest trending anticline having about 400 feet of closure at about Mississippian level. This culmination is on a northeast trending structural axis extending from Antelope Ridge field. The San Simon Swale (a near-surface depression filled with gravels) traverses northwest-southeast across the center of the unit. Seismic data in this swale are of poor quality; consequently, we have located the initial test on the crest of the structure in Section 22 where data are good. A well defined syncline separates the proposed unit from the Antelope Ridge Unit to the south, and pronounced synclines bound the west, north and east sides. The unit outline is determined by the lowest closing contour which covers all or significant parts of Sections 11, 12, 13, 14, 15, 22 and 23, Township 23-South, Range 34-East, NMPM.

OBJECTIVES

Principal objectives are Pennsylvanian-Morrow sandstones and Siluro Devonian dolomite which are productive at Antelope Ridge and Bell Lake fields to the southwest.

UNITIZED SUBSTANCES

All formations below the surface.

SUMMARY

We plan to drill a 14,800-foot Siluro-Devonian test in the Southwest 1/4 Northeast 1/4 of Section 22, Township 23-South, Range 34-East, NMPM,

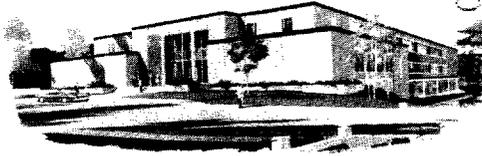
|                             |                      |
|-----------------------------|----------------------|
| BEFORE EXAMINER UTZ         |                      |
| OIL CONSERVATION COMMISSION |                      |
| <i>4/1/20</i>               | EXHIBIT NO. <u>2</u> |
| CASE NO.                    | <u>3354</u>          |

which will be designated the Unit test. This test is on the crest of the indicated uplift. It is our belief that the proposed Unit embraces that area which will logically be productive of gas on the indicated structure



Division Exploration Manager

State of New Mexico



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3354

Commissioner of Public Lands

GUYTON B. HAYS  
COMMISSIONER



P. O. BOX 1148  
SANTA FE, NEW MEXICO

March 26, 1967

Shell Oil Company  
P. O. Box 1509  
Midland, Texas, 79704

Re: North Antelope Ridge Unit  
Lea County, New Mexico  
TERMINATION

ATTENTION: Mr. A. C. Wheat

Gentlemen:

The Commissioner of Public Lands has received by your letter of March 21, 1967, approval by Shell and Superior for the termination of North Antelope Ridge Unit, Lea County, New Mexico. Termination is provided for and agreed to in accordance with Section 20 of the North Antelope Ridge Unit.

The Commissioner approves the termination as of this date, subject to like approval by the United States Geological Survey and Oil Conservation Commission. You will note the effective date has not been filled in on the Certificates, please advise us as soon as this date has been determined by the United States Geological Survey.

We are enclosing three (3) copies of our Certificates of Termination.

Your Official Receipt will be mailed to you as soon as it is issued.

Very truly yours,

GUYTON B. HAYS  
COMMISSIONER OF PUBLIC LANDS

BY:  
Ted Bilberry, Director  
Oil and Gas Department

Shell Oil Company  
March 28, 1967  
Page 2.

cc: United States Geological Survey  
Roswell, New Mexico

New Mexico Oil Conservation Commission  
Santa Fe, New Mexico

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UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

3254

Drawer 1857  
Roswell, New Mexico 88201

August 17, 1966

Shell Oil Company  
P. O. Box 1509  
Midland, Texas 79704

Attention: Mr. A. C. Wheat

Gentlemen:

MAIN OFFICE 000  
'66 AUG 19 PM 1 15

Your letter of August 11, received on August 15, transmits ratifications and joinders to the North Antelope Ridge unit agreement No. 14-08-0061-8751, Lea County, New Mexico, executed by the following persons:

| <u>Reported Basic Royalty Owner</u>   | <u>See Land Unit Tract No.</u>     |
|---|------------------------------------|
| Richard J. Moran, Independent Executor of the Estate of W. J. Moran, deceased and as trustee for Mary Moran Caruso and Betty Moran Rice | 18, 19, 24, 25, 26, 27, and 32     |
| Nordon Corporation Limited  | 19, 22, 23, 25, 26, 27, 32, and 33 |
| Rosa Loyce and James Graham   | 21                                 |

Section 29 of the unit agreement required that such ratifications and joinders be filed with the Commissioner of Public Lands, State of New Mexico, and the New Mexico Oil Conservation Commission. Subject to compliance with the foregoing requirement, the above described ratifications and joinders are considered effective as of September 1, 1966.

Copies of the ratifications and joinders are being distributed to the appropriate Federal offices.

Sincerely yours,

(Orig. Sgd.) CARL C. TRAYWICK

CARL C. TRAYWICK  
Acting Oil and Gas Supervisor

Hobbs (w/cy joinders)  
Com. of Pub. Lands - Santa Fe (ltr. only)  
BNOCC - Santa Fe (ltr. only) ✓

**ILLEGIBLE**

cc:  
Washington (w/cy joinders)

MAIL TO:  
ALMOCC

MAIN OFFICE 0000

'67 JUN 1 PM 1 20

*Roswell*  
3354

MAY 26 1967

Shell Oil Company  
Post Office Box 2500  
Midland, Texas 79701

Gentlemen:

On May 24, 1967, effective as of April 1, 1967, Arthur A. Baker, Acting Director of the Geological Survey, approved the termination of the North Antelope Ridge joint agreement, Lea County, New Mexico, No. 14-08-0001-8751, pursuant to the last paragraph of section 20 thereof.

Enclosed is one copy of the approved application for your records. We request that you furnish notice of this approval to each interested working interest owner, lessee, and lessor at their last known address.

Sincerely yours,

RUSSELL G. WAYLAND

For the Director

Enclosure

cc:

Roswell 2 (w/2 copies approved application)

Copy to Hobbs.  
+ N. Mex. Land  
Comm.  
+ ALMOCC  
*REK*

31  
SHAUPPER

NOTED  
MAY 29 1967  
SHOOK

RECEIVED  
MAY 29 1967  
U. S. GEOLOGICAL SURVEY  
ROSWELL, NEW MEXICO

ILLEGIBLE

5284

MAIN OFFICE 000

Drawer 1857  
Roswell, New Mexico 88201

APR 14 AM 8:17

April 13, 1966

Shell Oil Company  
P. O. Box 1509  
Midland, Texas 79704

Attention: Mr. Lee Ferris

Gentlemen:

Your letter of April 7, received on April 11, transmits ratifications and joiners to the North Antelope Ridge unit agreement, No. 14-00-0001-8751, Lea County, New Mexico, by the following persons:

| <u>Reported Basic Royalty Owner</u>  | <u>For Land Unit Tract No.</u> |
|--|--------------------------------|
| Dorothy Beard  | 18 and 19                      |
| Bonnie Dolores Barron Burroughs,<br>W. G. Burroughs, A. M. Routh, and<br>Marjorie Ann Routh  | 21                             |
| Hugh Ward, Rufus Sanders Ward,<br>Jocke Ward Gibbs, and Jessie Ward<br>Roberts   | 25                             |
| Lois S. Horton and Lee V. Horton   | 26                             |
| Ruth Marion, Tom B. Marion,<br>Ora Mae Davis, George E. Davis,<br>Annis B. Hollis, W. E. Hollis,<br>J. H. Medlin, Jr., Marietta Medlin,<br>Elbert E. Medlin, Grace Medlin, and<br>Baulah Baird | 27                             |
| Albert H. Elliott, Individually and<br>as Attorney-in-Fact for Minnie May<br>Elliott   | 28                             |

ILLEGIBLE

**B. A. Christmas, Jr., Individually 31**  
**and as Trustee for B. A. Christmas, Sr.,**  
**Joyce Christmas Brown and Joyce Ann Brown**

**J. L. Burke, Jr., and Joyce Burke 32**

**Section 29 of the unit agreement requires that such ratifications and joiners be filed with the State Land Commissioner and the New Mexico Oil Conservation Commission. Subject to compliance with such requirement, the above described ratifications and joiners are considered effective as of May 1, 1966.**

**Copies of the ratifications and joiners are being distributed to the appropriate Federal offices.**

**Sincerely yours,**

**(Orig.Sgd.) CARL C. TRAYWICK**

**CARL C. TRAYWICK**  
**Acting Oil & Gas Supervisor**

**cc:**  
**Washington (w/cy joiners)**  
**BLM - Santa Fe (w/cy joiners)**  
**Hobbs (w/cy joiners)**  
**N. Mex. Com. of Pub. Lands - Santa Fe**  
**N.M.O.C.C. - Santa Fe ✓**

**ILLEGIBLE**