

**ARCO Oil and Gas Company**

**Permian District**

Post Office Box 1610

Midland, Texas 79702

Telephone 915 684 0149



Joe R. Hastings

District Engineer — West

*Case 8667*

RECEIVED

JUL 5 1985

OIL CONSERVATION DIVISION

June 28, 1985

Mr. Richard L. Stamets  
New Mexico Oil Conservation Division  
P. O. Box 2088  
Santa Fe, New Mexico 87501

Dear Mr. Stamets:

Application for Unorthodox Location  
R. F. Fort Lease - South Knowles Devonian Field  
S/2 NW/4 Section 24, T17S, R38E  
Lea County, New Mexico

ARCO Oil and Gas Company (AOGC) respectfully requests administrative approval for an unorthodox location for its proposed R. F. Fort No. 2, to be located 2310' FNL, 2310' FWL, Section 24, T17S, R38E, Lea County, New Mexico. This is necessary for topographical reasons.

AOGC originally planned to drill the subject well 1980' FNL, 1980' FWL of Section 24, an orthodox location in conformance with South Knowles Devonian Field Rule No. 2. However, this location is in the path of a center pivotal irrigation system that covers a 1320' radius circle in the NW/4 of Section 24. This leaves no orthodox location in either 80 acre proration unit in the NW/4 of Section 24. A map showing the orthodox locations, the proposed unorthodox location, and the area covered by the irrigation system is attached. Also attached is a C-102 plat of the proposed unorthodox location, and a map showing offset operators and/or unleased mineral interest owners.

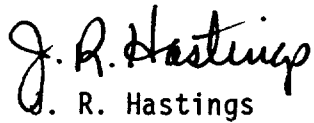
The proposed unorthodox location will be 330' from both the southern and eastern edges of the proration unit, which are also quarter-quarter section boundaries.

Mr. Richard L. Stamets  
June 28, 1985  
Page 2

AOGC is notifying the offset owners of this application by registered mail. A list of these owners is attached as "Offset Operators".

Please contact Mr. Jack Lowder at (915) 684-0157 if you have any questions.

Very truly yours,

  
J. R. Hastings

JRH:JTL:sc  
Atts.

Xc: New Mexico Oil Conservation Division  
P. O. Box 1980  
Hobbs, New Mexico 88240

Offset Operators  
(attached list)

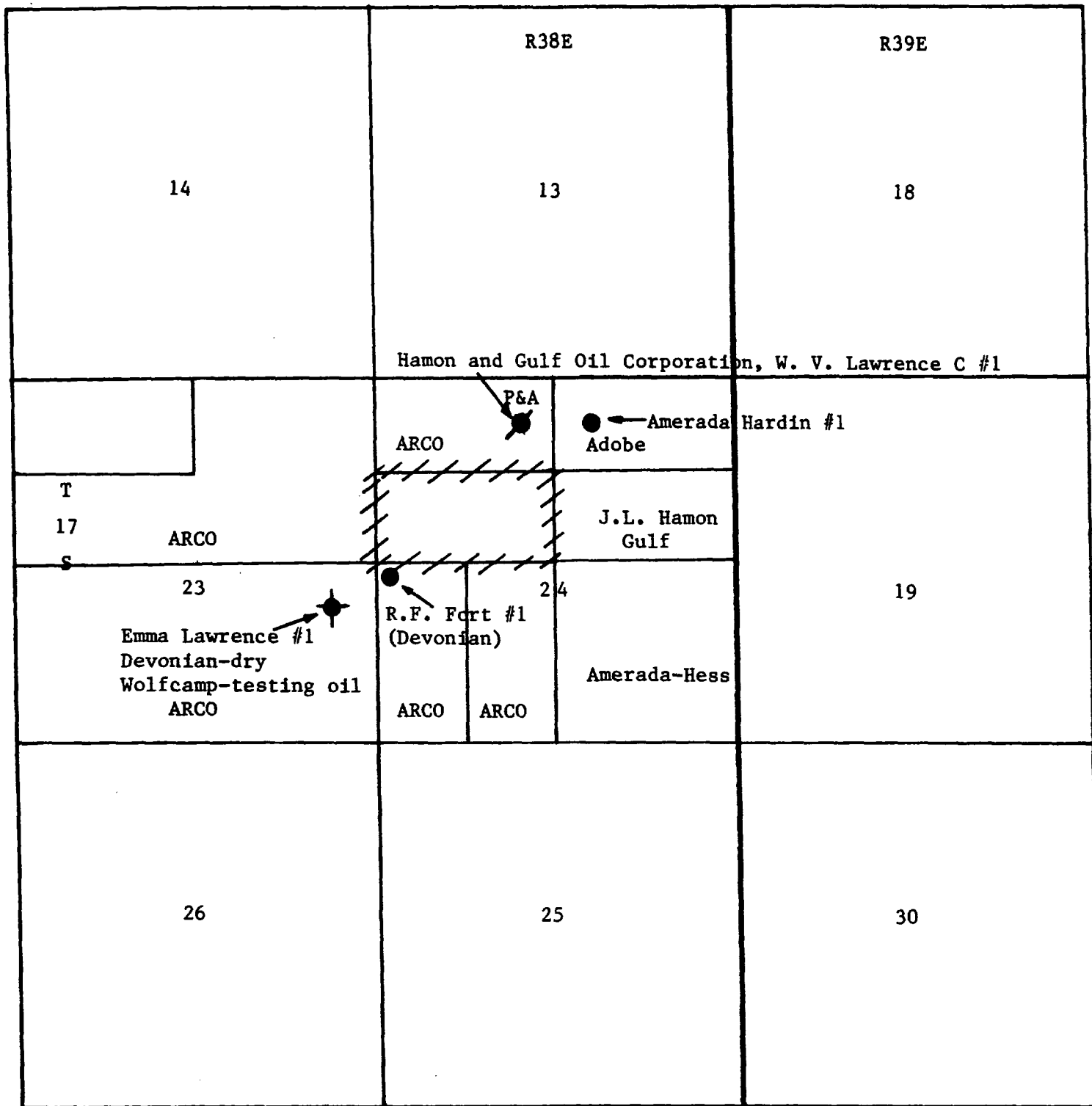
## Offset Operators

Adobe Oil and Gas Company  
1100 Western United Life Building  
Midland, Texas 79701

Amerada Hess Corporation  
P. O. Box 840  
Seminole, Texas 79360

Gulf Oil Corporation  
P. O. Box 1150  
Midland, Texas 79702

Hamon Oil Company  
611 Petroleum Building  
Midland, Texas 79702



**ARCO Oil and Gas Company** 

Division of Atlantic Richfield Company

Permian District Midland, Texas

South Knowles Field  
LEA COUNTY, NEW MEXICO

OFFSET OPERATORS

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

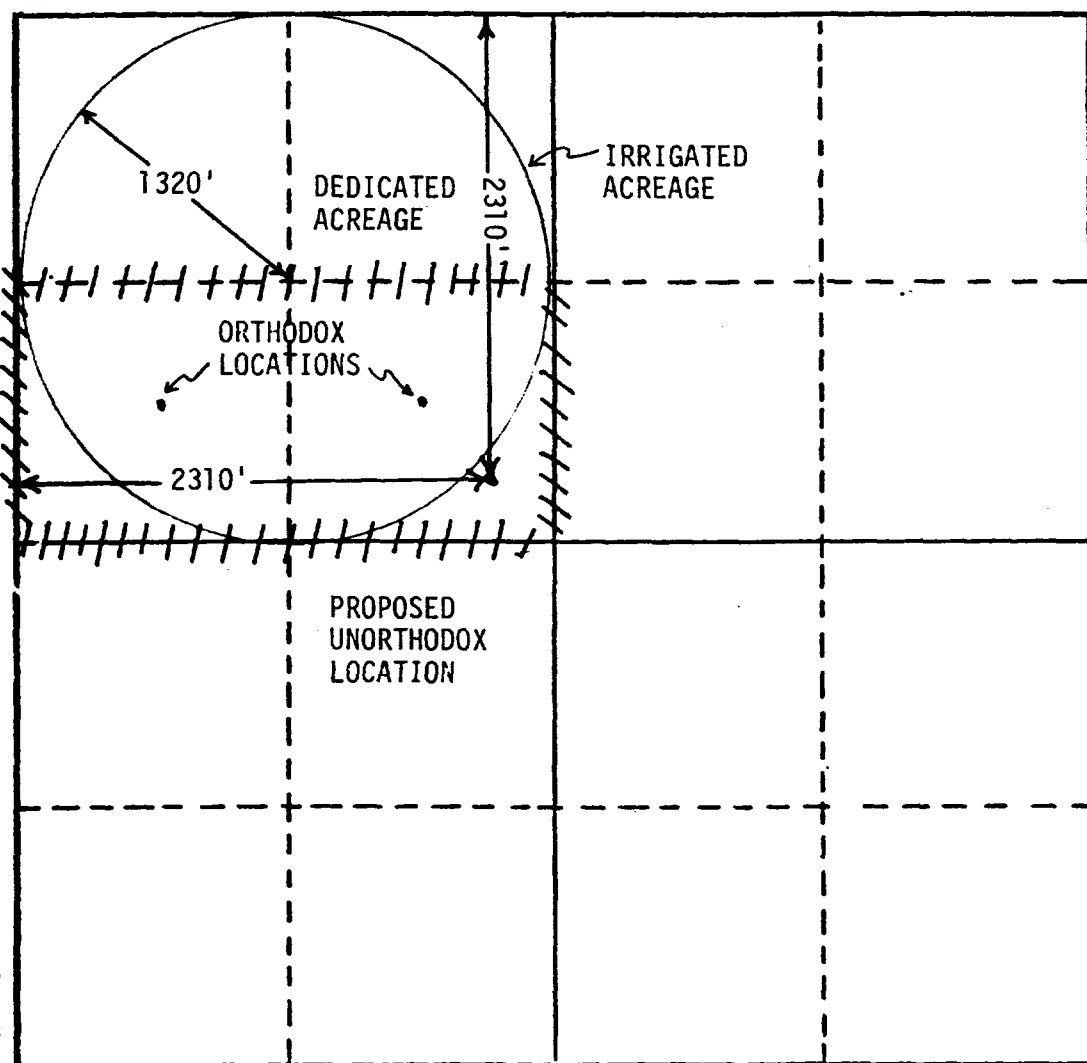
Operator <b>ARCO Oil and Gas Company</b>		Lease <b>R. F. Fort</b>		Well No. <b>2</b>
Unit Letter <b>F</b>	Section <b>24</b>	Township <b>17S</b>	Range <b>38E</b>	County <b>Lea</b>
Actual Footage Location of Well: <b>2310</b> feet from the <b>North</b> line and <b>2310</b> feet from the <b>West</b> line				
Ground Level Elev. <b>3663.2'</b>	Producing Formation <b>Devonian</b>	Pool <b>South Knowles</b>	Dedicated Acreage: <b>30</b> Acres	

1. Outline the acreage dedicated to the subject well by colored pencil or hatchure 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 Division.



#### CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

*Jack T. Lowder*

Name  
**Jack T. Lowder**

Position  
**Engineer**

Company  
**Arco Oil and Gas Company**

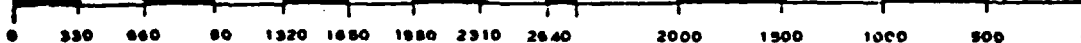
Date  
**June 28, 1985**

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.



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

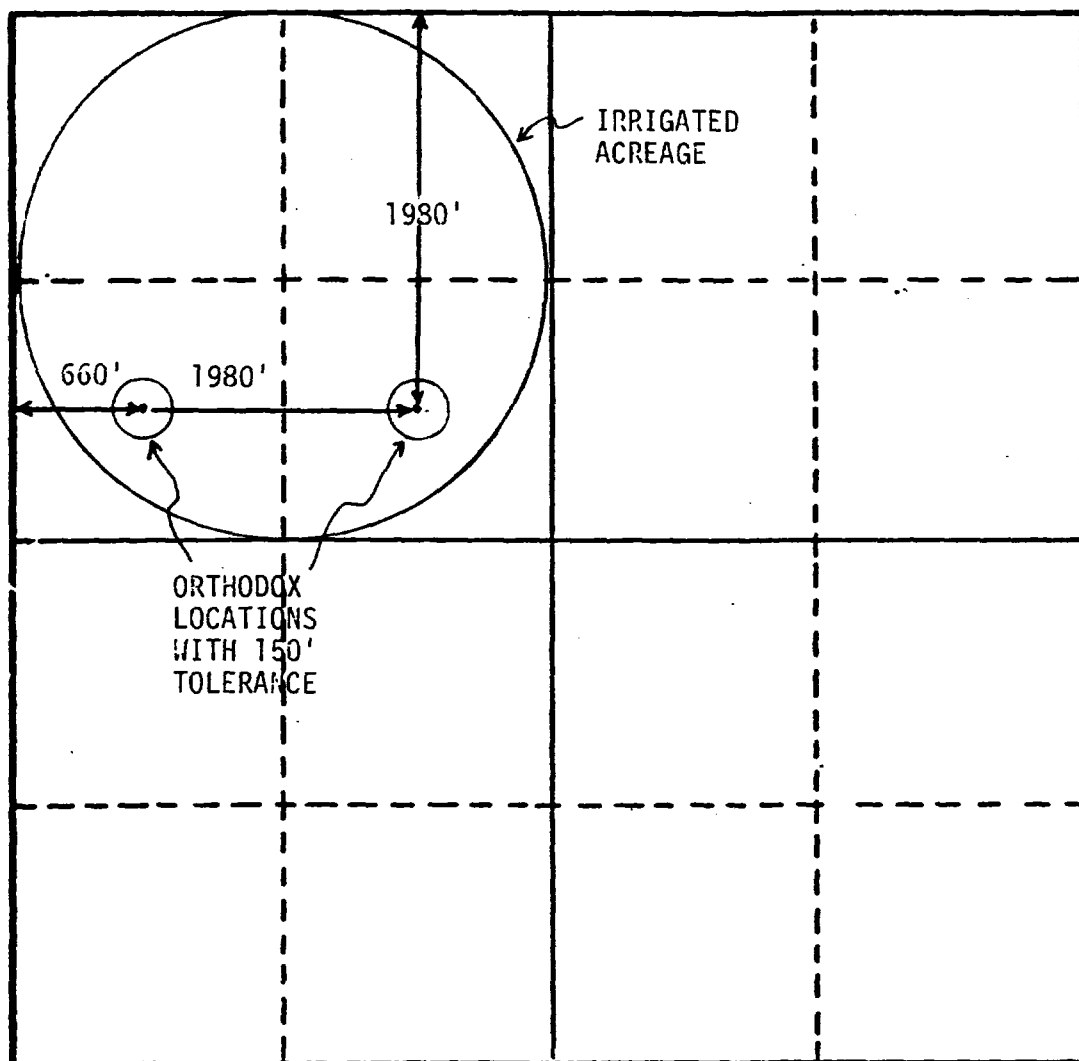
Operator <b>ARCO Oil and Gas Company</b>			Lease <b>R. F. Fort</b>		Well No. <b>2</b>
Unit Letter <b>F</b>	Section <b>24</b>	Township <b>17S</b>	Range <b>38E</b>	County <b>Lea</b>	
Actual Footage Location of Well: <b>2310</b> feet from the <b>North</b> line and <b>2310</b> feet from the <b>West</b> line					
Ground Level Elev. <b>3663.2'</b>	Producing Formation <b>Devonian</b>		Pool <b>South Knowles</b>		Dedicated Acreage <b>80</b> 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 Division.



**CERTIFICATION**

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

*Jack T. Lowder*

Name  
**Jack T. Lowder**

Position  
**Engineer**

Company  
**Arco Oil and Gas Company**

Date  
**June 28, 1985**

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. \_\_\_\_\_



ARCO Oil and Gas Company  
Permian District  
Post Office Box 1610  
Midland, Texas 79702  
Telephone 915 684 0149



Joe R. Hastings  
District Engineer — West

June 28, 1985

OFFSET OPERATORS  
(List Attached)

Gentlemen:

Waiver to Application for Unorthodox Location  
R. F. Fort No. 2, South Knowles Devonian Field  
2310' FNL, 2310' FWL, Section 24, T17S, R38E  
Lea County, New Mexico

ARCO Oil and Gas Company (AOGC) has requested administrative approval from the New Mexico Oil Conservation Division for an unorthodox well location for the subject well. South Knowles Devonian field rules allow the drilling of a well on either 40-acre portion of the 80-acre proration unit. However, the well is required to be located in the center of a 40-acre tract with a 150' tolerance in any direction to allow for surface obstructions. AOGC originally intended to drill at 1980' FNL and 1980' FWL of Section 24, but a center pivotal irrigation system has forced AOGC to move the location to the southeast to 2310' FNL and 2310' FWL of Section 24. This location is at least 330' from any quarter-quarter section lines. Because of this topographical consideration, the proposed unorthodox location should qualify for administrative approval under New Mexico Statewide Rule 104F.

AOGC requests that you kindly sign the enclosed waivers and mail one to the NMOCD in the attached envelope, and the other back to AOGC. Also enclosed for your information is a copy of the area plat and a well location and dedication plat (Form C-102) showing the original location, the proposed location, and the acreage that is being irrigated. If you have any questions, please contact Mr. Jack Lowder at (915) 684-0157.

Very truly yours,

*J. R. Hastings*  
J. R. Hastings

JRH:JTL:sc  
Atts.