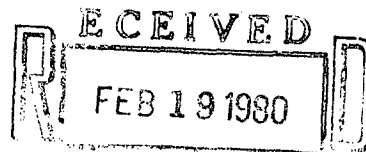


ARCO Oil and Gas Company  
Rocky Mountain District  
717-17th Street  
Mailing address: P.O. Box 5540  
Denver, Colorado 80217  
Telephone 303 575 7031  
W. A. Walther, Jr.  
Operations Manager

NSL-1161  
Rule 3 R-1670-V  
3-10-80



February 13, 1980



OIL CONSERVATION DIVISION  
SANTA FE

Mr. Joe D. Ramey, Secretary-Director  
Oil Conservation Commission  
Box 2088  
Santa Fe, New Mexico 87501

Re: Krause WN Federal Number 8E  
1595' FNL & 2170' FWL  
Section 29-28N-11W  
San Juan County, New Mexico

Basin - Dakota Pool

Dear Mr. Ramey:

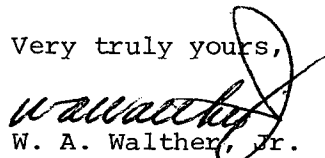
Application is hereby made to the Oil Conservation Commission of the State of New Mexico requesting a waiver of Rule 104.

The referenced well was restaked as per a request from the United States Geological Survey and the Bureau of Land Management when the original location was inspected.

Enclosed is a copy of the certified letter sent to the offset operator requesting their approval to this unorthodox location. A fully executed copy will be forwarded to your office when received. Also enclosed is a location plat and a topographic map showing the location.

Your earliest approval of this application will be greatly appreciated.

Very truly yours,

  
W. A. Walther, Jr.  
Operations Manager

Encl.

cc: Oil Conservation Commission - Aztec, New Mexico  
United States Geological Survey - Farmington, New Mexico

ARCO Oil and Gas Company  
Rocky Mountain District  
717-17th Street  
Mailing address: P.O. Box 5540  
Denver, Colorado 80217  
Telephone 303 575 7031  
W. A. Walther, Jr.  
Operations Manager



February 13, 1980

Mr. A. M. Roney  
Amoco Production Company  
Security Life Building  
Denver, Colorado 80202

Certified Mail  
Return Receipt Requested

Re: Krause WN Federal Number 8E  
1595' FNL & 2170' FWL  
Section 29-28N-11W  
San Juan County, New Mexico

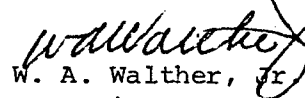
Dear Mr. Roney:

ARCO Oil and Gas Company, Division of Atlantic Richfield Company, requests your consent and approval of the referenced well at the stated location and as more fully shown on the attached plat.

Pursuant to the Oil Conservation Commission of the State of New Mexico it is necessary to obtain the consent of all offset operators when an application has been filed for an unorthodox location. The stated location is located closer than 790 feet to the outer boundary of the quarter section, therefore making it an unorthodox location.

I would appreciate it if you would sign and date the consent and approval form contained in this letter, and return one executed and dated copy of the letter to me in the enclosed self addressed stamped envelope and keep the other copy for your records. If you have any objections or questions concerning this request, please call me at your earliest convenience.

Very truly yours,

  
W. A. Walther, Jr.  
Operations Manager

Encl.

CONSENT AND APPROVAL

Amoco Production Company by its authorized signatory below, hereby consents to and approves of the drilling of the foregoing-described proposed well at the location indicated.

Dated this \_\_\_\_\_ day of \_\_\_\_\_, 1980

By: \_\_\_\_\_

Title: \_\_\_\_\_

All distances must be from the corner boundaries of the Section

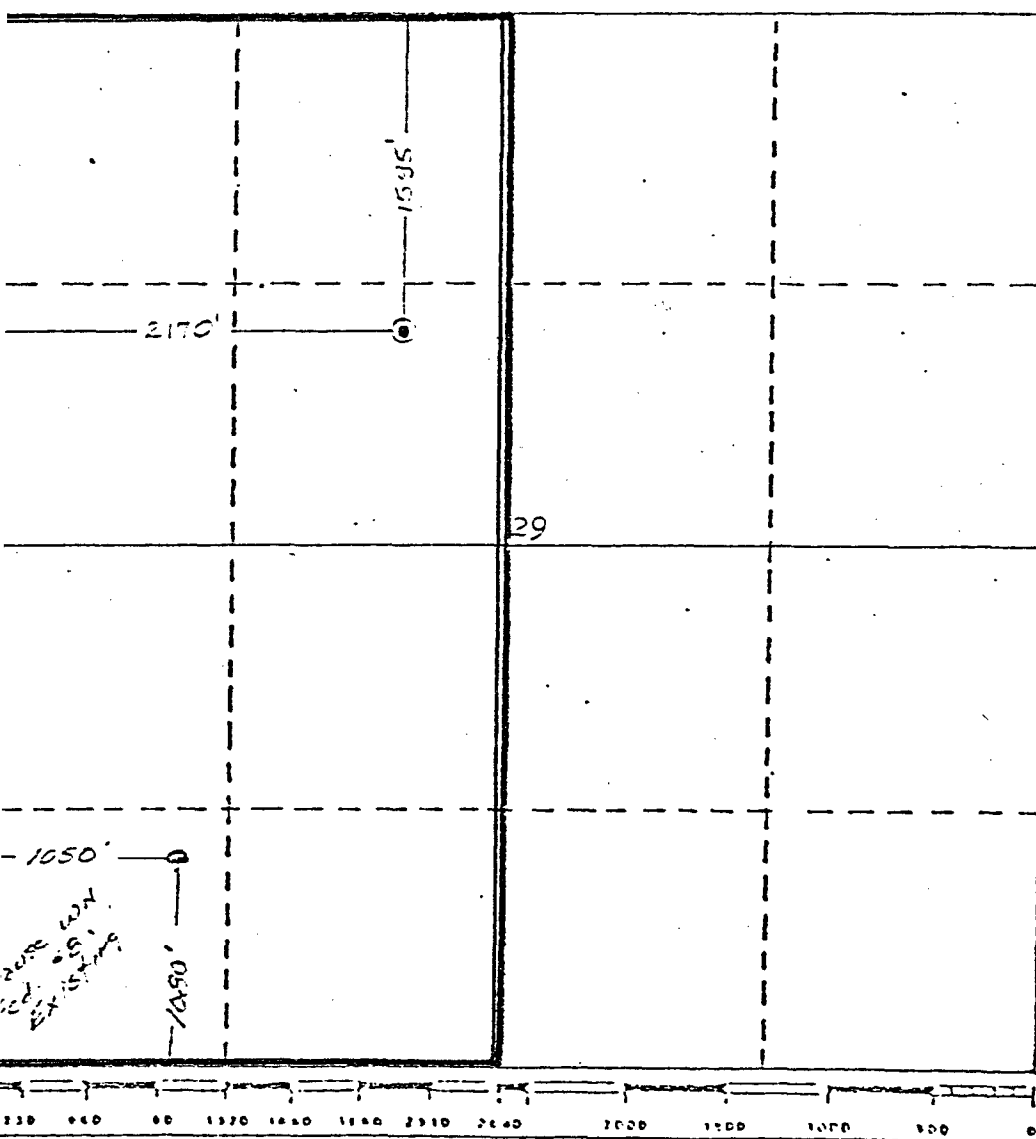
Lessee <b>ARCO OIL &amp; GAS COMPANY</b>			Lease <b>KPAUSE WN FEDERAL</b>		Well No. <b>8-E</b>
Letter <b>29</b>	Section <b>28 NORTH</b>	Township <b>11 WEST</b>	Range <b>SAN JUAN</b>	County	
Well Location of Well:					
1595 feet from the NORTH line and		2170 feet from the WEST line			
and Level Elev. <b>5750</b>	Producing Formation		Pool <b>Dakota</b>	Dedicated Acres:  Acres	

- Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.
- If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
- 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.



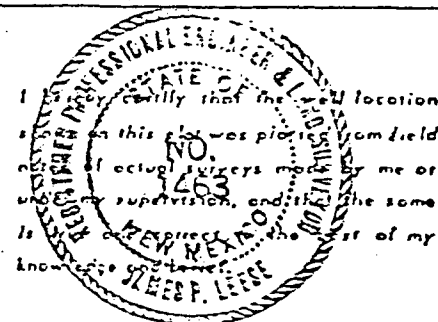
# CERTIFICATION

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

*W. A. Walther, Jr.*  
W. A. Walther, Jr.  
Position  
Operations Manager

Company ARCO Oil & Gas Company  
Div. of Atlantic Richfield Co

Date  
1-15-80



Date Surveyed  
December 21, 1979

Registered Professional Engineer  
and Land Surveyor  
*James P. Leese*  
James P. Leese

Certificate No.  
1463

SALLEGOS CANYON UNIT  
 DAKOTA FORM  
 Amoco ..... (Oper.)  
 ARCo ..... 0.57%

R I I W

Lucerne-Fed.

Phillips

Amoco

Pioneer Prod.  
 "B"

Pioneer Prod.  
 "C"

19

T. L. Rhodes

20  
 Amoco

21

Pioneer Prod.  
 "D"

KRAUSE WN. FED.  
 Below bs. Pict. Cliff Fin.  
 ARCo. (Opr.) 49%

Pan Am  
 1-B

Rhodes

Lucerne

Amoco

ARCo.  
 NM-S-5011

ARCo.  
 NM-S-5011

MILE

8-E

30

KRAUSE R&G WN.  
 Sur. to bs. Pict. Cliffs Fm.  
 R&G (Opr.)  
 ARCo. .... 21.5%

29

28

T. L. Rhodes

Amoco

Krause WN Fed.

ARCo.  
 NM-S-5011

KRAUSE ORR WN.  
 Sur. to bs. Pict. Cliffs Fm.  
 R&G Drig. (Opr.)  
 ARCo. 5.5% OR

1-E ARCo.  
 NM-S-5011

R&G Drig.

31

Amoco

32

33

T  
 28  
 N

EXISTING  
WELLS

KRAUSE WN FED.  
WELL No. 8-E

EPNG

Aztec

T  
 27  
 N

4-C  
 (Ga)

3-B  
 Ga, D.

4

5



OIL CONSERVATION COMMISSION  
Clyde DISTRICT

OIL CONSERVATION COMMISSION  
BOX 2088  
SANTA FE, NEW MEXICO

DATE February 20, 1980

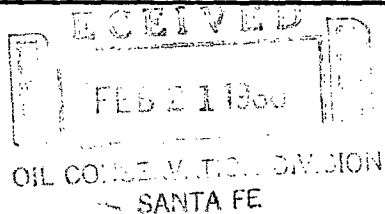
RE: Proposed MC \_\_\_\_\_  
Proposed DHC \_\_\_\_\_  
Proposed NSL x \_\_\_\_\_  
Proposed SWD \_\_\_\_\_  
Proposed WFX \_\_\_\_\_  
Proposed PMX \_\_\_\_\_

Gentlemen:

I have examined the application dated February 13, 1980  
for the Arco Oil and Gas Co. Kramme W.N. Federal #8E, F-29-28-11  
Operator Lease and Well No. Unit, S-T-R

and my recommendations are as follows:

Approve  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_



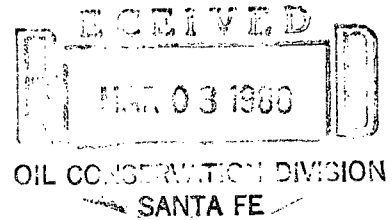
Yours very truly,

Frank S. Chang

ARCO Oil and Gas Company  
Rocky Mountain District  
1860 Lincoln St. - Suite 501  
Denver, Colorado 80295  
Telephone 303 575-7000



February 28, 1980



Mr. Joe D. Ramey, Secretary Director  
Oil Conservation Commission  
Box 2088  
Santa Fe, New Mexico 87501

Re: Krause WN Federal #8E  
1595' FNL & 2170' FWL  
Section 29-28N-11W  
San Juan County, New Mexico

Dear Mr. Ramey:

Application was made February 13, 1980 for a waiver  
of Rule 104 pertaining to the above location.

Mr. R. L. Stamets, of your office, requested an  
explanation as to why this location was moved by the  
United States Geological Survey. This explanation is  
attached along with a sketch showing the topography  
necessitating the non-standard location.

This well is proposed to be a Dakota completion.

Your early approval of this application will be greatly  
appreciated.

Very truly yours,

*WA Walther, Jr.*  
W. A. Walther, Jr.  
Operations Manager

Encl.

cc: Oil Conservation Commission - Aztec, New Mexico  
United States Geological Survey - Farmington, New Mexico



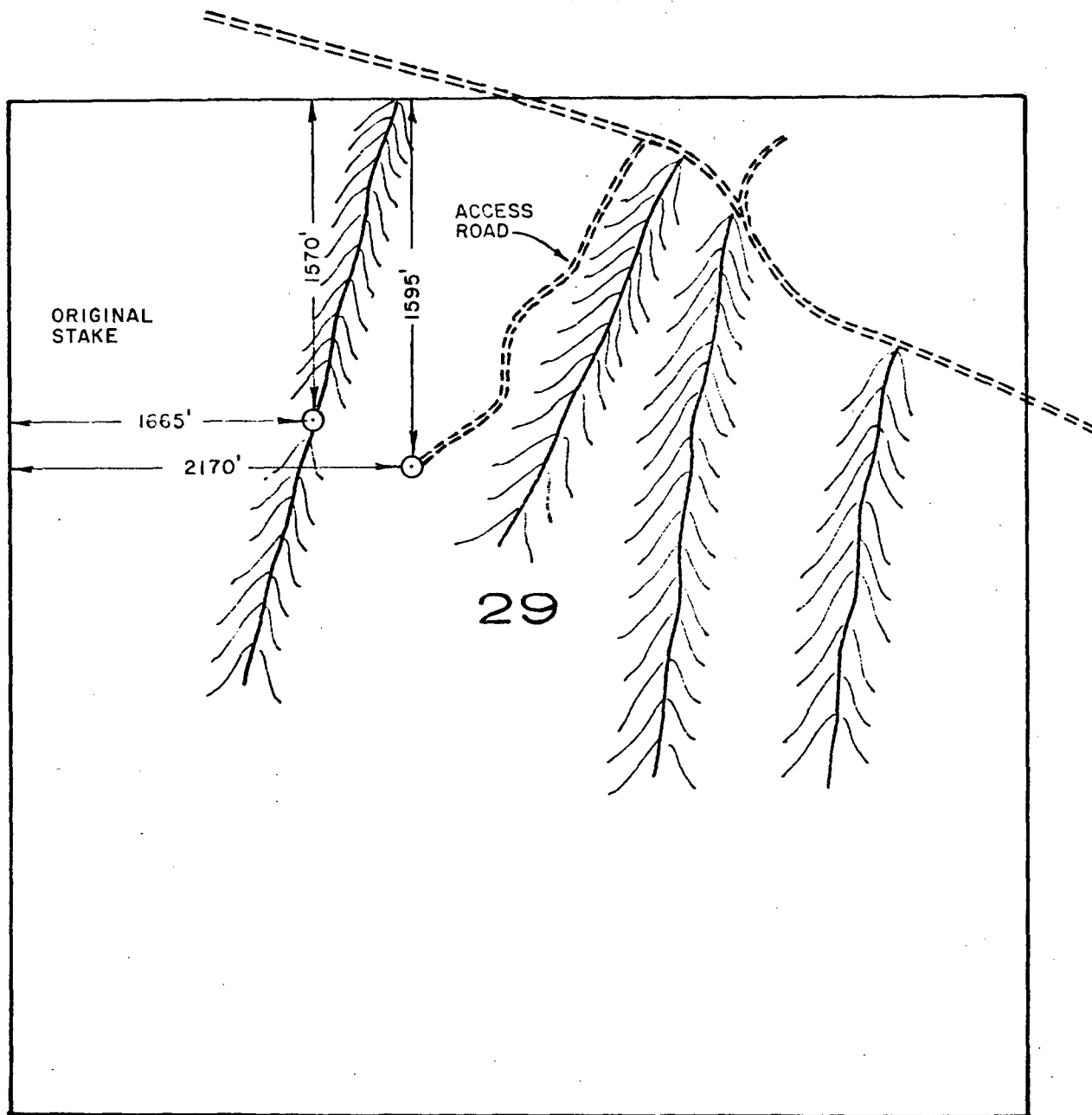
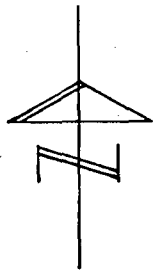
KRAUSE WN FEDERAL #8E

This location was moved per recommendation of the Bureau of Land Management and the United States Geological Survey. The move was 25' south and 505' east of the original stake.

The original stake fell on top of a narrow sandy ridge running in a southwesterly direction. The access road would have to approach the location from the northeast, up the east slope of the ridge and down the top of the sandy ridge to the location. A severe cut on the ridge would be necessary, pushing material both east and west until large enough to be usable.

The new location is down off the ridges. The access road grade will be much less. This location and access road will be much better to build and maintain for the producing life of the gas well. Also, the esthetic value of the bad-lands type terrain will be better preserved.

# KRAUSE W.N. FEDERAL WELL No. 8-E



SCALE: 6" = 1 MILE

PRESENT LOCATION : 1595' FNL , 2170' FWL  
 Sec. 29 - T 28 N - R 11 W  
 SAN JUAN Co., N.M.

OLD LOCATION : 1570' FNL , 1665' FWL



STATE OF NEW MEXICO  
ENERGY AND MINERALS DEPARTMENT  
OIL CONSERVATION DIVISION

February 19, 1980

BRUCE KING  
GOVERNOR  
LARRY KEHOE  
SECRETARY

POST OFFICE BOX 2088  
STATE LAND OFFICE BUILDING  
SANTA FE, NEW MEXICO 87501  
(505) 827-2434

ARCO Oil & Gas Co.  
P. O. Box 5540  
Denver, Colorado 80217

Re: Application for Non-Standard  
Location: Krause WN Federal Well  
No. 8E, 1595' FNL and 2170' FWL  
Sec. 29, T-28-N, R-11-W, San Juan  
County

We may not process the subject application for non-standard location until the required information or plats checked below (is) (are) submitted.

- ☐ A plat must be submitted clearly showing the ownership of the offsetting leases.
- ☐ A statement must be submitted that offset owners have been notified of the application by certified mail.
- ☒ A plat must be submitted fully identifying the topography necessitating the non-standard location. There is no explanation of the reason for the request by the BLM or USGS for movement of the well.
- ☒ Other: Please show the pool or pools in which completion(s) will be attempted.

Very truly yours,

R. L. STAMETS  
Technical Support Chief

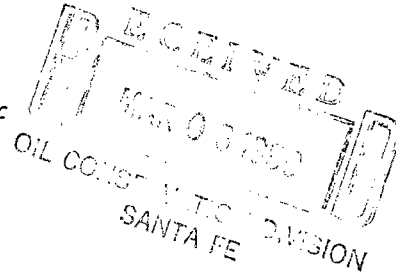
RLS/dr

ARCO Oil and Gas Company  
Rocky Mountain District  
1860 Lincoln St. - Suite 501  
Denver, Colorado 80295  
Telephone 303 575-7000



March 3, 1980

Mr. Joe D. Ramey, Secretary-Director  
Oil Conservation Commission  
Box 2088  
Santa Fe, New Mexico 87501



Re: Krause WN Federal #8E  
1595' FNL & 2170' FWL  
Section 29-28N-11W  
San Juan County, New Mexico

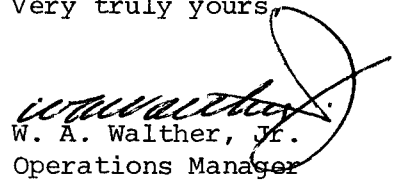
Dear Mr. Ramey:

Application was made February 3, 1980 to the Oil Conservation Commission of the State of New Mexico requesting a waiver of Rule 104.

At that time, a copy of the certified letter sent to the off-set operator of the referenced well was forwarded to your office. Enclosed is the fully executed letter for your files.

Your consideration of this application is greatly appreciated.

Very truly yours,

  
W. A. Walther, Jr.  
Operations Manager

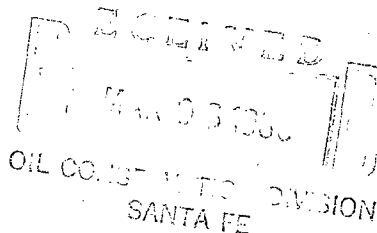
Encl.

cc: Oil Conservation Commission, Aztec, New Mexico  
United States Geological Survey, Farmington, New Mexico

ARCO Oil and Gas Company  
Rocky Mountain District  
717-17th Street  
Mailing address: P.O. Box 5540  
Denver, Colorado 80217  
Telephone 303 575 7031  
W. A. Walther, Jr.  
Operations Manager



February 13, 1980



Mr. A. M. Roney  
Amoco Production Company  
Security Life Building  
Denver, Colorado 80202

Certified Mail  
Return Receipt Requested

Re: Krause WN Federal Number 8E  
1595' FNL & 2170' FWL  
Section 29-28N-11W  
San Juan County, New Mexico


Dear Mr. Roney:

ARCO Oil and Gas Company, Division of Atlantic Richfield Company, requests your consent and approval of the referenced well at the stated location and as more fully shown on the attached plat.

Pursuant to the Oil Conservation Commission of the State of New Mexico it is necessary to obtain the consent of all offset operators when an application has been filed for an unorthodox location. The stated location is located closer than 790 feet to the outer boundary of the quarter section, therefore making it an unorthodox location.

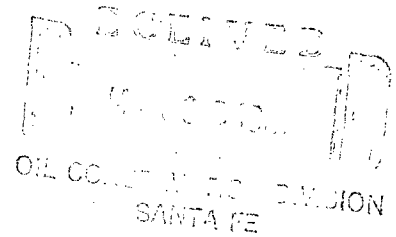
I would appreciate it if you would sign and date the consent and approval form contained in this letter, and return one executed and dated copy of the letter to me in the enclosed self addressed stamped envelope and keep the other copy for your records. If you have any objections or questions concerning this request, please call me at your earliest convenience.

Very truly yours,

  
W. A. Walther, Jr.  
Operations Manager

Encl.

CONSENT AND APPROVAL



Amoco Production Company by its authorized signatory below, hereby consents to and approves of the drilling of the foregoing-described proposed well at the location indicated.

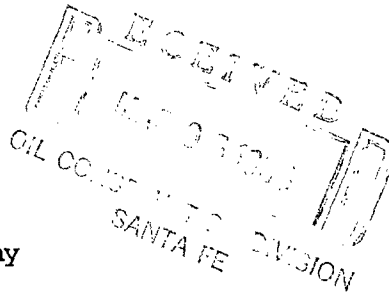
Dated this 28<sup>th</sup> day of February, 1980

By: R.B. Giles  
for Amoco Production Company

ARCO Oil and Gas Company  
Rocky Mountain District  
717-17th Street  
Mailing address: P.O. Box 5540  
Denver, Colorado 80217  
Telephone 303 575 7031  
W. A. Walther, Jr.  
Operations Manager



February 13, 1980



Mr. A. M. Roney  
Amoco Production Company  
Security Life Building  
Denver, Colorado 80202

Certified Mail  
Return Receipt Requested

Re: Krause WN Federal Number 8E  
1595' FNL & 2170' FWL  
Section 29-28N-11W  
San Juan County, New Mexico

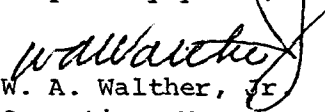
Dear Mr. Roney:

ARCO Oil and Gas Company, Division of Atlantic Richfield Company, requests your consent and approval of the referenced well at the stated location and as more fully shown on the attached plat.

Pursuant to the Oil Conservation Commission of the State of New Mexico it is necessary to obtain the consent of all offset operators when an application has been filed for an unorthodox location. The stated location is located closer than 790 feet to the outer boundary of the quarter section, therefore making it an unorthodox location.

I would appreciate it if you would sign and date the consent and approval form contained in this letter, and return one executed and dated copy of the letter to me in the enclosed self addressed stamped envelope and keep the other copy for your records. If you have any objections or questions concerning this request, please call me at your earliest convenience.

Very truly yours,

  
W. A. Walther, Jr.  
Operations Manager

Encl.

CONSENT AND APPROVAL

Amoco Production Company by its authorized signatory below, hereby  
consents to and approves of the drilling of the foregoing-described  
proposed well at the location indicated.

Dated this 28<sup>th</sup> day of February, 1980

By:

RB Giles  
for Amoco Production Company

RECEIVED  
FEB 28 1980  
OIL COMPANY  
SANTA FE



All distances must be from the outer boundary of the Section

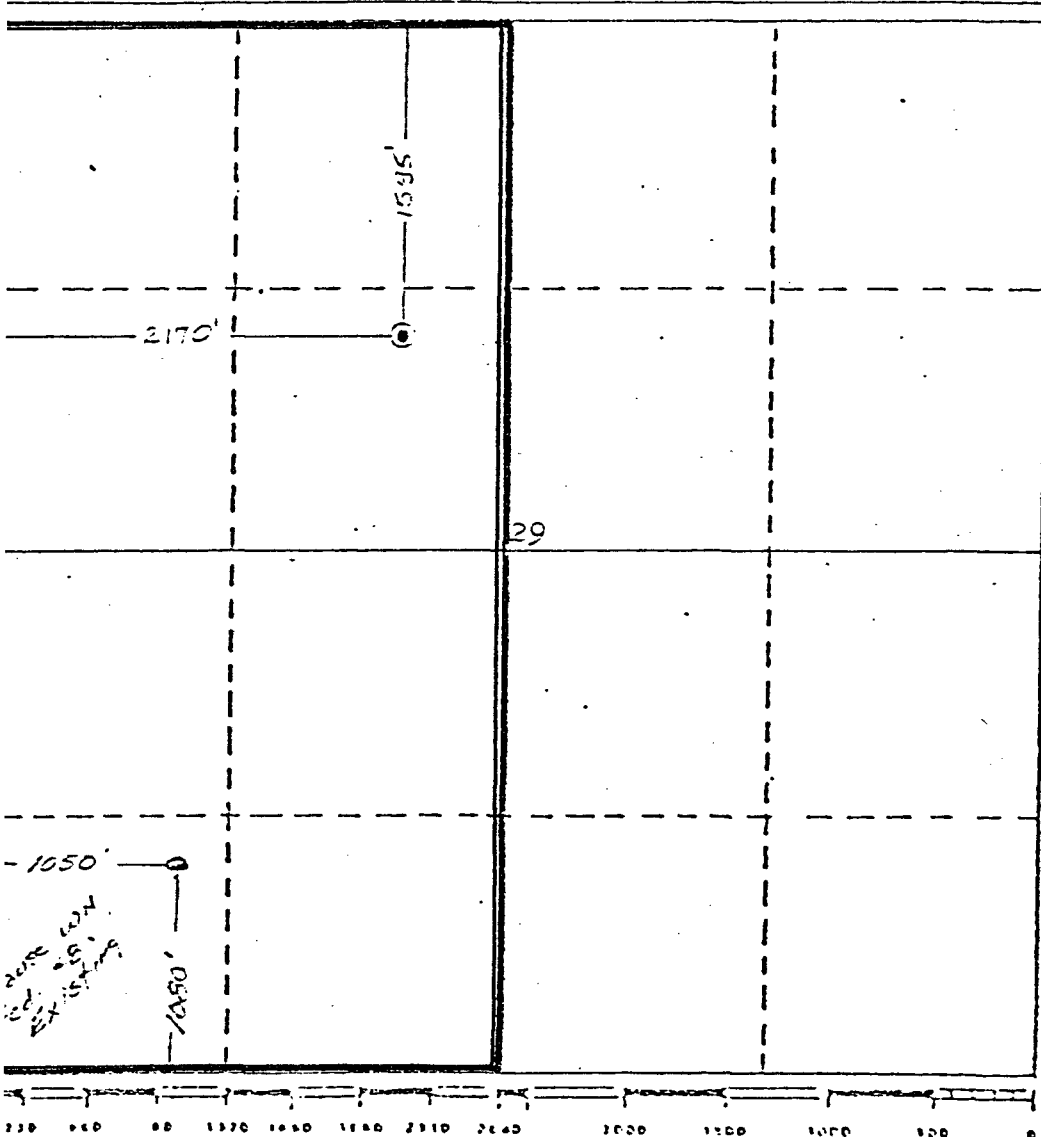
Lessee <b>ARCO OIL &amp; GAS COMPANY</b>			Lease <b>YPAUSE WN FEDERAL</b>		Well No. <b>8-E</b>
Letter <b>29</b>	Section <b>28 NORTH</b>	Township <b>11 WEST</b>	Range <b>SAN JUAN</b>	County	
Well Location of Well:					
1595 feet from the NORTH line and		2170 feet from the WEST line			
Well Elev. <b>5750</b>	Producing Formation		Pool	Dedicated-Acreage:	

- Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.
- If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
- 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.

*W. A. Walther, Jr.*  
 W. A. Walther, Jr.  
 Position  
 Operations Manager  
 Company ARCO Oil & Gas Company  
 Div. of Atlantic Richfield Co  
 Date  
 1-15-80

I hereby certify that the 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 correct to the best of my knowledge and belief.  
 STATE OF NEW MEXICO  
 REGISTERED PROFESSIONAL ENGINEER & LAND SURVEYOR  
 NO. 1463  
 JAMES P. LEESE

Date Surveyed  
 December 21, 1979  
 Registered Professional Engineer  
 and Land Surveyor  
*James P. Leese*  
 James P. Leese  
 Certificate No.  
 1463