



January 3, 1980

Mr. Joe D. Ramey, Director  
Oil Conservation Division  
Energy and Mineral Department  
State of New Mexico  
P. O. Box 2088  
Santa Fe, New Mexico 87501

*NSL-1141  
Rule 3 R1670-V  
1-31-80*

Re: Proposed Dakota gas infill well,  
Mesa Petroleum Co., Federal #16-E,  
located 315' FNL and 720' FWL of  
Section 9, Township 27' North, Range 8 West,  
San Juan County, New Mexico  
Largo Canyon Prospect 0849

Dear Mr. Ramey:

According to Rule 104. F., the above location is considered as an unorthodox location, and the reason for this unorthodox location is because of extreme terrain difficulties.

This is a formal application for administrative approval of this unorthodox location. We have attached for your review a plat showing the locations of all wells in the offset locations and a copy of Form C-102, revised 10-1-78, and a vicinity map which reflects the topography. Mesa's well location is indicated by the red dot on the topography map. A plat showing the ownership of the Dakota gas rights is also attached.

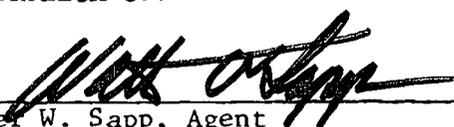
All owners of the Dakota gas rights offsetting this location have been contacted by certified mail with the request that they waive any objections to this unorthodox location. We assume that there will be no objections.

The letter to El Paso Natural Gas Company was mailed December 17, 1979. Letters to Tenneco, ARCO, and Great Lakes Chemical Corporation were mailed December 19, 1979.

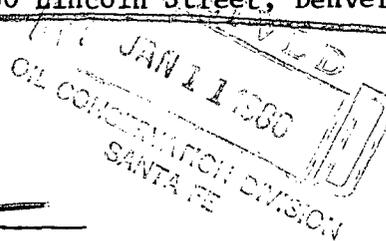
Your approval is respectfully requested, and notification of your approval should be furnished to Mr. Jed W. Lemmons, Division Land Manager, Mesa Petroleum Co., 2800 Lincoln Center Building, 1660 Lincoln Street, Denver, Colorado, 80264.

Very truly yours,

MESA PETROLEUM CO.

By: 

Walter W. Sapp, Agent



WWS:cml

Enclosures

cc: Mr. Jed W. Lemmons,

Mesa Petroleum Co.

<p>5</p> <p>EPNG FILAN #4 EPNG FILAN #6</p> <p>EPNG FILAN #7</p>	<p>4</p> <p>ARC0 UNW FED 5 TENNICO DANUSOV #11</p> <p>ARC0 Graham 18</p> <p>ARC0 UNW FED 5 ARC0 Graham 18</p>	<p>ARC0 Graham B. UNW FED 8</p> <p>ARC0 UNW FED 6 AAA OPERATING CO. FED M 1</p>
<p>8</p> <p>EPNG Schwendt Feder A 20</p> <p>EPNG Schwendt Feder A 23</p>	<p>3</p> <p>MESA FED. 16 MESA FED. 1 MESA FED. 16A MESA FED. 7</p> <p>ARC0 Graham A UNW FED 2</p> <p>ARC0 Graham C UNW FED. COM 1A</p>	<p>W.C. Russell Graham S3 R&amp;G Drilling Graham 30 R&amp;G Drilling Graham 30A</p>
<p>17</p> <p>EPNG ROBANCE D 2</p> <p>TENNICO EPNG FLOE AWKE ROBANCE 64</p> <p>EPNG ROBANCE D 10</p>	<p>16</p> <p>EPNG Schwartz 1</p> <p>EPNG Schwartz com G-13</p>	<p>ARC0 OXNARD UNW FED. 3 AAA OPERATING CO FED I 1</p>

MESA PETROLEUM  
OFF SET WELLS  
TO PROPOSED  
NON-STANDARD  
LOCATION  
FEDERAL 16E  
351N # 720/W  
9-27N-8W  
SAN JUAN CO, NM

SCALE: 2000,  
TWN 27N-  
RNG 8W  
SAN JUAN CO,  
N.M

OIL CONSERVATION DIVISION

STATE OF NEW MEXICO  
ENERGY AND MINERALS DEPARTMENT

P. O. BOX 2048

SANTA FE, NEW MEXICO 87501

Form C-107  
Revised 10-1-78

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

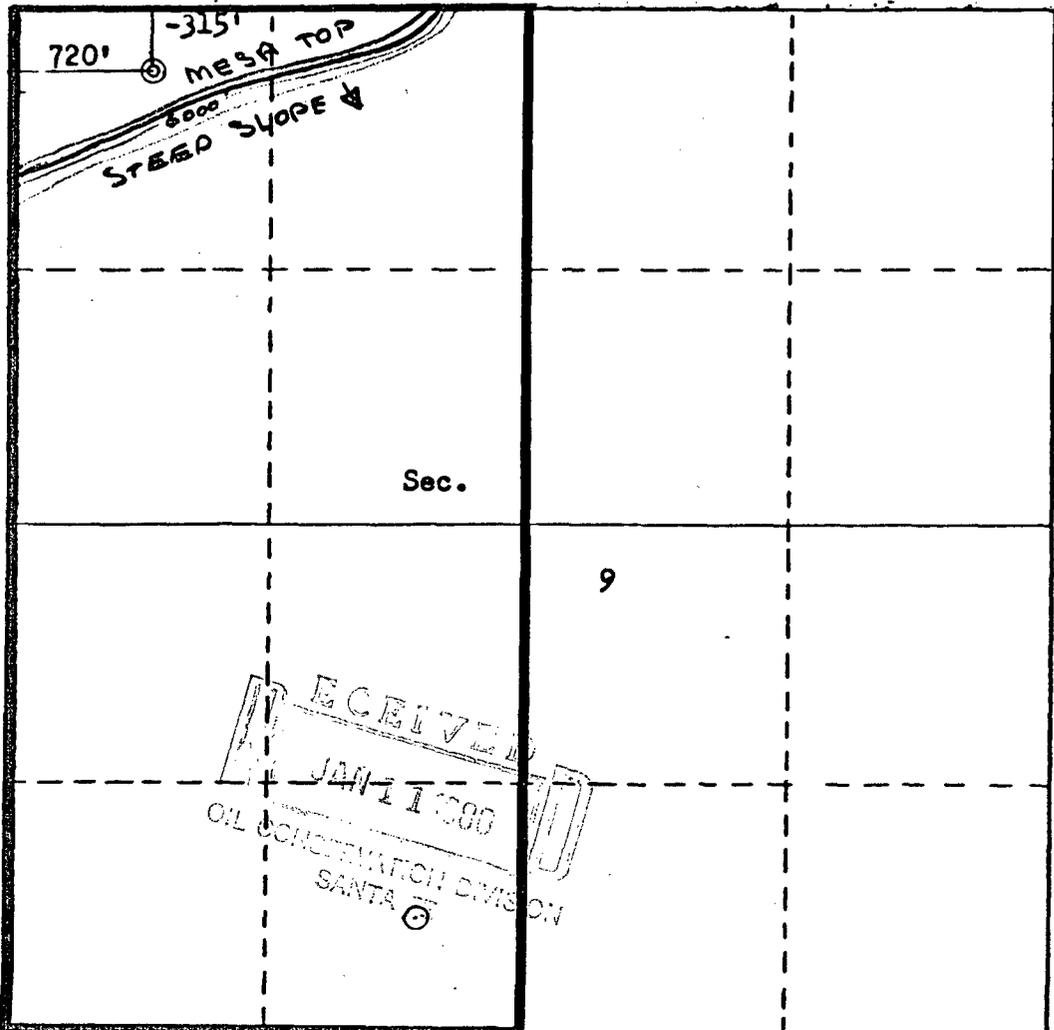
Operator <b>MESA PETROLEUM COMPANY</b>		Lease <b>FEDERAL</b>			Well No. <b>16-E</b>
Unit Letter <b>D</b>	Section <b>9</b>	Township <b>27N</b>	Range <b>8W</b>	County <b>San Juan</b>	
Actual Footage Location of Well: <b>315</b> feet from the <b>North</b> line and <b>720</b> feet from the <b>West</b> line					
Ground Level Elev. <b>6727</b>	Producing Formation <b>Dakota</b>		Pool <b>Basin Dakota</b>	Dedicated Acreage: <b>320</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 Commission.



CERTIFICATION

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

*John Alexander*  
Name

JOHN ALEXANDER

Position

AGENT

Company

MESA PETROLEUM

Date

December 26, 1979

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

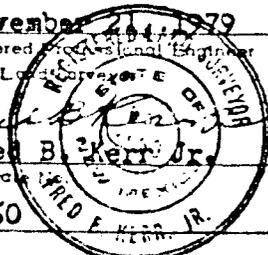
November 21, 1979

Registered Professional Engineer and/or Licensed Surveyor

*Fred B. Kerr, Jr.*  
Fred B. Kerr, Jr.

Certificate No.

3950

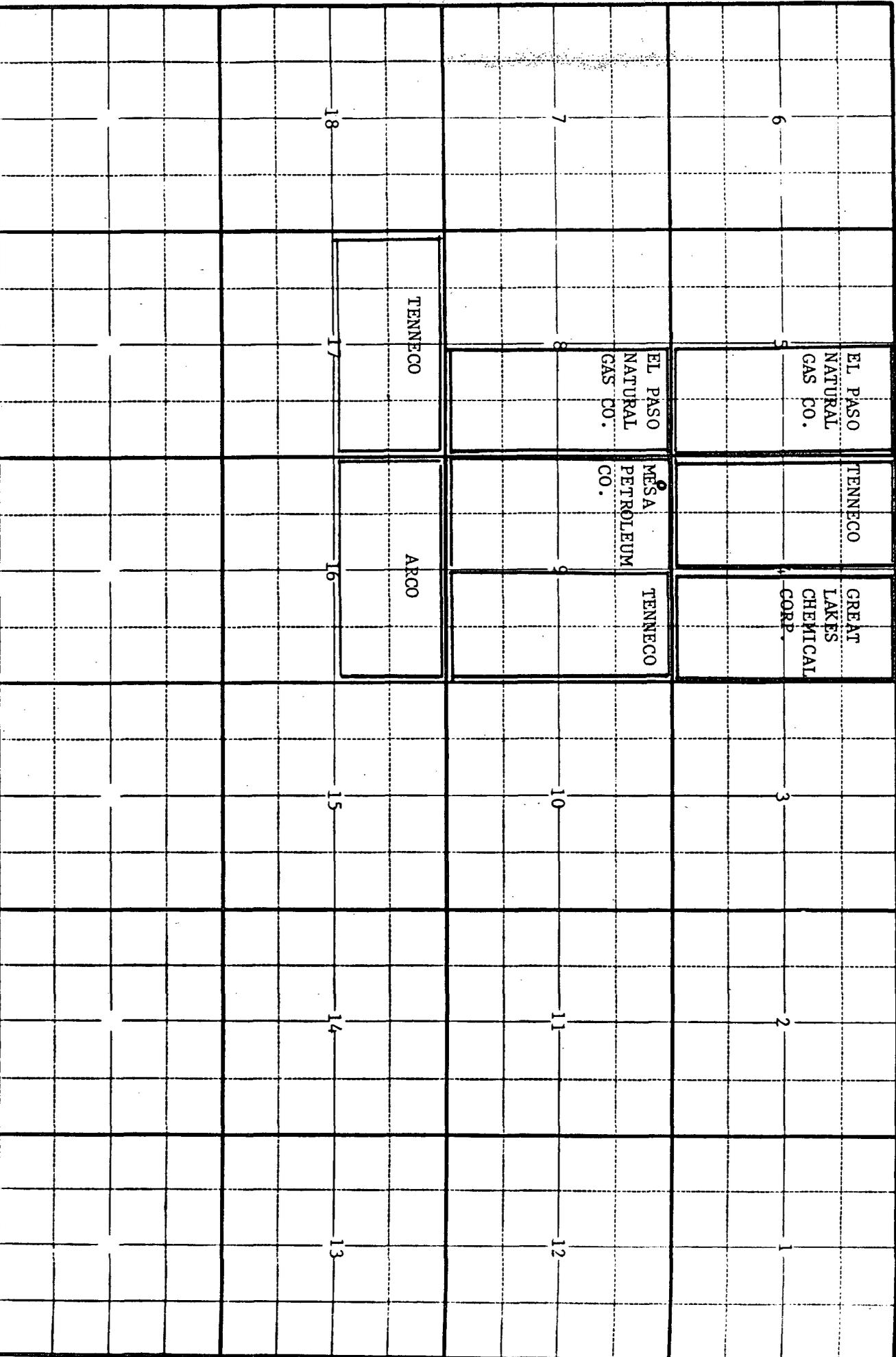


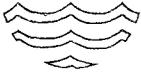


Vicinity Map for  
MESA PETROLEUM COMPANY #16-E FEDERAL  
315'FNL 720'FWL Sec 9-T27N-R8W  
SAN JUAN COUNTY, NEW MEXICO

PROPOSED DAKOTA GAS INFILL WELL, MESA PETROLEUM CO., FEDERAL #16-E, LOCATED 315' FNL AND 720' FNL OF SECTION 9  
LARGO CANYON PROSPECT 0849

Township 27 North, Range 8 West, County San Juan, State New Mexico



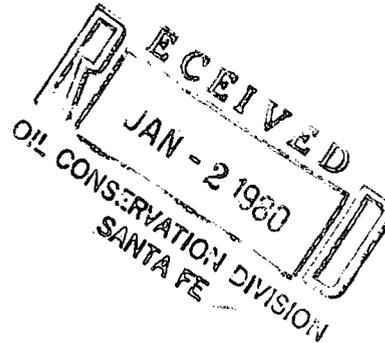


**Great Lakes**  
Chemical Corporation

P. O. BOX 2200 · HIGHWAY 52 N. W. · WEST LAFAYETTE, INDIANA 47906 · PHONE: 317-463-2511 · TELEX: 27-9428 · CABLE: GLAKCHEM LAFAYETTE

December 27, 1979

Division Director  
Oil Conservation Division  
P. O. Box 2088  
Santa Fe, NM 87501



Re: Proposed Dakota Gas Infill Well,  
Mesa Petroleum Co., Federal #16-E,  
Located 315' FNL and 720' FWL of  
Section 9, Township 27 North,  
Range 8 West, San Juan County, NM  
Largo Canyon Prospect 0849

Dear Sir:

We have been officially notified by Mesa Petroleum Company of their proposal to drill the subject Dakota gas infill well in an unorthodox location in the NW/4 of Section 9 T27N, R8W San Juan County.

Great Lakes Chemical Corporation owns the Dakota gas rights in the E/2 of Section 4 of the same township.

Great Lakes Chemical Corporation waives any objection to this unorthodox location proposed by Mesa Petroleum Company.

Very truly yours,

GREAT LAKES CHEMICAL CORPORATION

By: *E. Wm. Eipper*

E. Wm. Eipper  
Senior Staff Executive

EWE:mm

cc: W. W. Sapp

**El Paso** EXPLORATION  
COMPANY

P. O. BOX 289  
FARMINGTON, NEW MEXICO 87401  
PHONE: 505-325-2841



December 27, 1979

ENERGY & MINERALS DEPARTMENT  
OIL CONSERVATION DIVISION-STATE OF NEW MEXICO  
Attention: Mr. J. D. Ramey, Director  
Post Office Box 2088  
Santa Fe, New Mexico 87501

Re: Mesa Petroleum Request for Unorthodox  
Location, Federal #16 E, Dakota Infill  
Located 315' FNL, 720' FWL in  
Section 9, T-27-N, R-8-W,  
San Juan County, New Mexico

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Dear Mr. Ramey:

This is to advise that El Paso Exploration Company, as owner of offsetting acreage, has no objections to the captioned request by Mesa Petroleum.

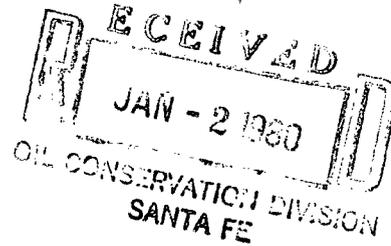
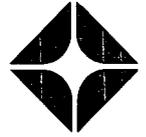
Yours very truly,

A handwritten signature in cursive script that reads "John A. Ahlm".

John A. Ahlm  
Regional Land Manager  
Exploration-Land

JAA:ld  
cc: NMOCC-Aztec, NM  
Mesa Petroleum-Denver, CO

ARCO Oil and Gas Company  
Rocky Mountain District  
1860 Lincoln St. - Suite 501  
Denver, Colorado 80295  
Telephone 303 575 7026  
Arnold H. Brackenridge  
Vice President



December 26, 1979

Division Director  
Oil Conservation Division  
P. O. Box 2088  
Santa Fe, New Mexico 87501

Re: Proposed Dakota Gas Infill Well  
Mesa Petroleum Company  
Federal #16E  
315' FNL and 720' FWL, Sec. 9-27N-8W  
San Juan County, New Mexico

Gentlemen:

ARCO Oil and Gas Company has reviewed Mesa Petroleum Company's request for an unorthodox location for the subject well. We have no objection to the proposed location.

Yours very truly,



A. H. Brackenridge

MDR/kn

cc: Mr. Jed W. Lemmons  
Mesa Petroleum Company  
1660 Lincoln Street, Suite 2800  
Denver, Colorado 80264

**Tenneco Oil**

A Tenneco Company

Penthouse  
720 South Colorado Blvd.  
Denver, Colorado 80222  
(303) 758-7130



December 7, 1979

CERTIFIED MAIL

Return Receipt Requested

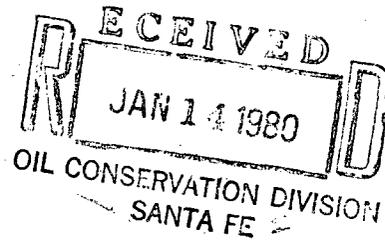
New Mexico Oil Conservation Division  
P.O. Box 2088  
Santa Fe, New Mexico 87501

Attention: Mr. Joe D. Ramey

New Mexico Oil Conservation Division  
1000 Rio Brazos Road  
Aztec, New Mexico 87401

Attention: Mr. A. R. Kendrick

Re: Application for Unorthodox Location  
Tenneco Hughes "A" #6  
Proposed Dakota Gas Well  
San Juan County, New Mexico



*Waiver*

Gentlemen:

Attached in duplicate (to each office) are a well location plat C-102 with a sketch of the surrounding topography and an ownership plat for the above captioned Dakota gas well.

The Hughes "A" #6 proposed site is 2025' FWL, 2195' FNL, Sec. 33 T29N-R8W, San Juan County, New Mexico. This places the well only 445' from the nearest governmental quarter boundary line. This was the only feasible site due to topographical conditions as sketched on the C-102.

A copy of this application is being submitted to all offset operators by certified mail with a request that they furnish your Santa Fe office with a waiver of objection.

Pursuant to authority of Rule 104-F, we respectfully request your approval of an exception to the standard well location requirements.

Very truly yours,

TENNECO OIL COMPANY

*J. M. Lacey*  
J. M. Lacey  
Division Production Manager

JML/e1

Enclosures

W A I V E R

Mesa Petroleum Co. hereby waives objection to Tenneco Oil Company's application for unorthodox location for their Hughes "A" #6 as proposed above.

By: *Jed W. Lemmens*

Date: January 8, 1980

**Jed W. Lemmens**  
Division Land Manager

OIL CONSERVATION DIVISION

STATE OF NEW MEXICO  
ENERGY AND MINERALS DEPARTMENT

P. O. BOX 2088  
SANTA FE, NEW MEXICO 87501

Form C-107  
Revised 10-1-78

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

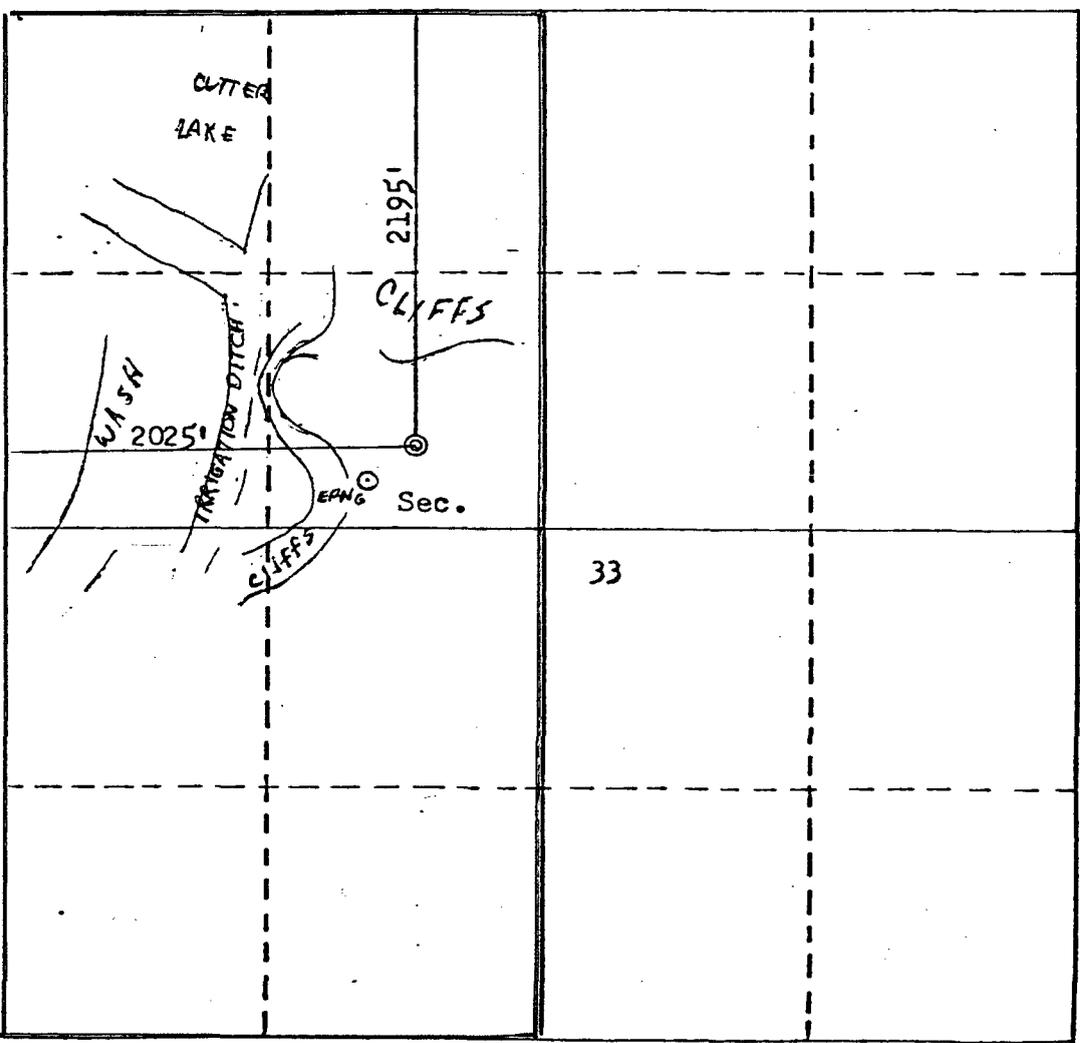
Operator <b>TENNECO OIL COMPANY</b>			Lease <b>HUGHES "A"</b>		Well No. <b>6</b>
Well Letter <b>F</b>	Section <b>33</b>	Township <b>29N</b>	Range <b>8W</b>	County <b>San Juan</b>	
Actual Footage Location of Well:					
<b>2195</b> feet from the <b>North</b> line and		<b>2025</b> feet from the <b>West</b> line			
Ground Level Elev. <b>6096</b>	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.
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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 \_\_\_\_\_

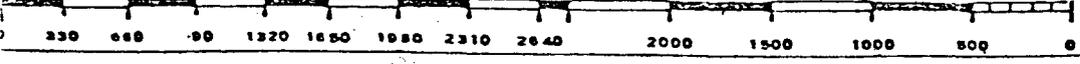
I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

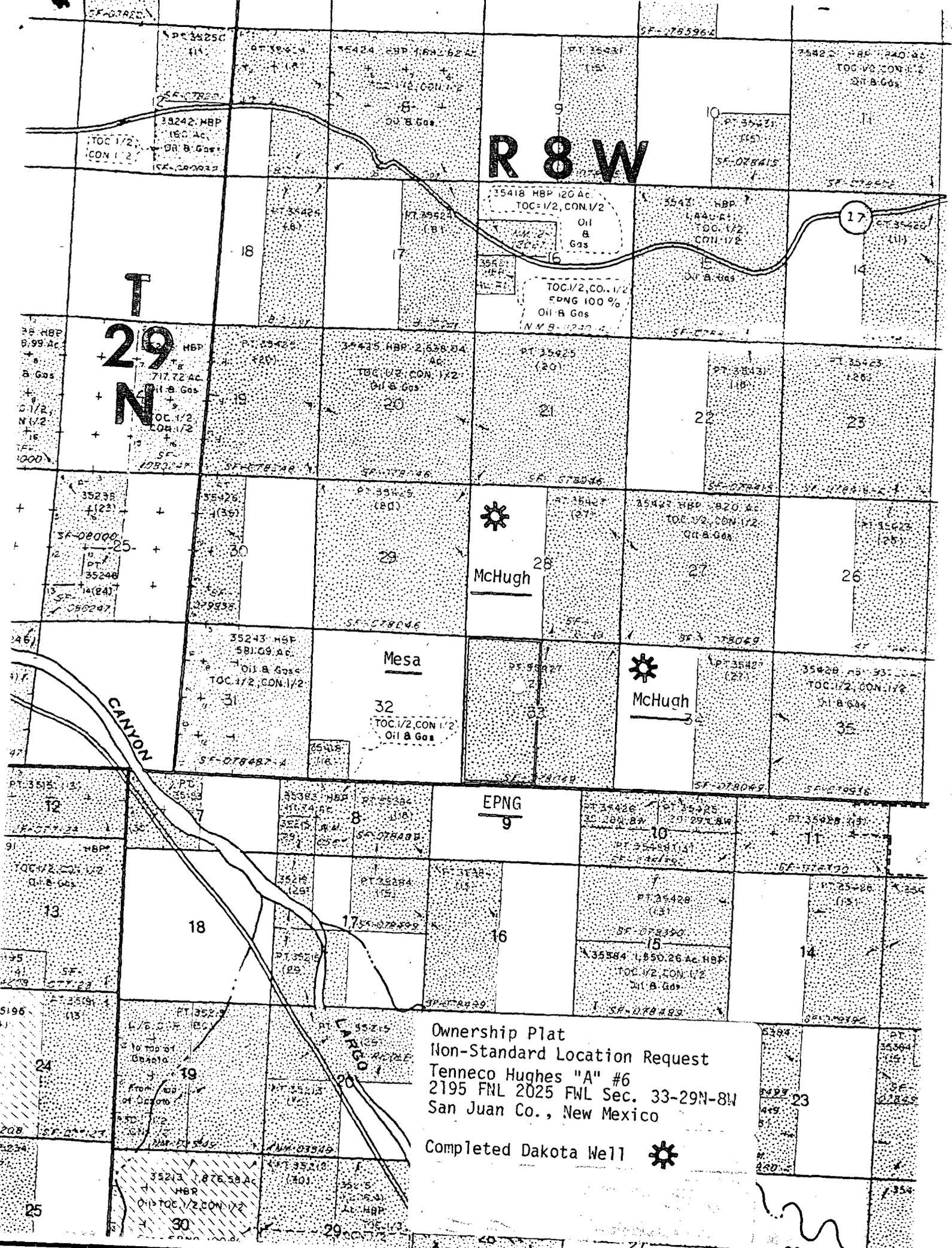
Date Surveyed: **Sept 23 1978**

Registered Professional Geologist and/or Land Surveyor:  
**Fred B. Kerb, Jr.**

Certificate No. **3950**

REGISTERED LAND SURVEYOR  
B. KERB, JR.





R 8 W

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McHugh

Mesa

McHugh

EPNG  
9

CANYON

Ownership Plat  
Non-Standard Location Request  
Tenneco Hughes "A" #6  
2195 FNL 2025 FWL Sec. 33-29N-8W  
San Juan Co., New Mexico

Completed Dakota Well



MAILING LIST  
APPLICATION FOR UNORTHODOX LOCATIONS  
TENNECO - HUGHES "A" #6  
SAN JUAN COUNTY, NEW MEXICO

El Paso Natural Gas Company  
P.O. Box 1492  
El Paso, Texas 79978  
Attention: R. H. Nordhausen

Mesa Petroleum Company  
2800 Lincoln Center Bldg.  
1660 Lincoln St.  
Denver, Colorado 80203

Attention: J. C. Young

Jerome P. McHugh & Associates  
Suite 1225  
600 S. Cherry Street  
Denver, Colorado 80222

New Mexico Oil Conservation Division  
P.O. Box 2088  
Santa Fe, New Mexico 87501

Attention: Joe D. Ramey

New Mexico Oil Conservation Division  
1000 Rio Brazos Road  
Aztec, New Mexico 87401

Attention: A. R. Kendrick



STATE OF NEW MEXICO  
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION  
2040 S. PACHECO  
SANTA FE, NEW MEXICO 87505  
(505) 827-7131

August 25, 1997

**Conoco, Inc.**  
**10 Desta Drive - Suite 100W**  
**Midland, Texas 79705-4500**  
**Attention: Jerry W. Hoover**

***Administrative Order NSL-1141-A***

Dear Mr. Hoover:

Reference is made to: (i) your original application dated July 11, 1997 (received by the Division in Santa Fe on July 14, 1997) that was found to be incomplete; (ii) the Division's initial response to said application by letter from Mr. Michael E. Stogner dated July 17, 1997; (iii) your response by letter dated July 22, 1997 with supplemental information (received by the Division in Santa Fe on August 4, 1997) which served to complete your request; and, (v) to the records of the Division in Santa Fe: all of which concern Conoco, Inc.'s request for an unorthodox gas well location in both the Basin-Fruitland Coal (Gas) Pool and the Otero-Chacra Pool for the existing Federal Well No. 21 (API No. 30-045-24183), located 315 feet from the North line and 720 feet from the West line (Unit D) of Section 9, Township 27 North, Range 8 West, NMPM, San Juan County, New Mexico. The subject well, formerly designated the Federal Well No. 16-E, was drilled by Mesa Petroleum Company in 1981 to test the Basin-Dakota Pool at an unorthodox infill gas well location (approved by Division Administrative Order NSL-1141, dated January 14, 1980) within the existing 320-acre standard gas spacing and proration unit comprising the W/2 of said Section 9.

It is our understanding that Conoco, Inc. intends to downhole commingle both the Fruitland coal and Chacra gas producing intervals in said well under authority of Division Administrative Order DHC-1624, dated August 15, 1997; and, pursuant to Division General Rule 104.C(3) and Rule 7 of the "*Special Rules and Regulations for the Basin-Fruitland Coal Gas Pool*", as promulgated by Division Order No. R-8768, as amended, said location is also unorthodox for both the Otero-Chacra and Basin-Fruitland Coal gas intervals, respectively.

The W/2 of said Section 9 being a standard 320-acre gas spacing and proration unit for the Basin-Fruitland Coal (Gas) Pool and the NW/4 of said Section 9 being a standard 160-acre gas spacing and proration unit for the Otero-Chacra Pool, are to be dedicated to said well.

Administrative Order NSL-1141-A

Conoco, Inc.

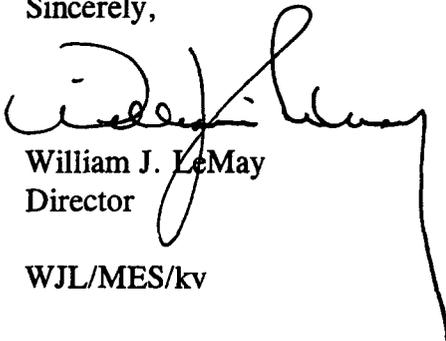
August 25, 1997

Page 2

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By the authority granted me under the provisions of Rule 8 of said special Basin-Fruitland Coal (Gas) Pool rules and Division General Rules 104.F(2), the above-described unorthodox gas well location is hereby approved.

Sincerely,

A handwritten signature in black ink, appearing to read "William J. LeMay". The signature is fluid and cursive, with a long, sweeping tail that extends downwards and to the right.

William J. LeMay  
Director

WJL/MES/kv

cc: Oil Conservation Division - Aztec  
U. S. Bureau of Land Management - Farmington  
W. Thomas Kellahin, Counsel - Santa Fe  
Dave Wacker, Conoco, Inc. - Santa Fe  
File: NSL-1141  
DHC-1624