

File

# 3E COMPANY, INC.

Engineering • Energy • Exploration

P. O. Box 190 — 505/327-4020

FARMINGTON, NEW MEXICO 87401

January 15, 1980

Energy and Minerals Department  
Oil Conservation Division  
1000 Rio Brazos Road  
Aztec, NM 87410

*NSL-1156  
Basin Dakota  
Waivers in Immediate approval  
Rule 3 R1670-U*

Attn: District Supervisor

Re: Oklahoma Oil Co.  
Non-Standard Location

Dear Sirs:

Oklahoma Oil Co. requests permission for a non-standard Dakota well to be known as Federal No. 1E at 1120'/N and 2300'/W of Section 19, T27N, R11W, San Juan County, New Mexico.

This location is requested so that well facilities will not interfere with an irrigated field belonging to the Navajo Irrigation Project.

A plat is attached showing offset operators, as is a map of all offset wells.

All offset operators have been notified by registered mail.

Sincerely,

John Alexander  
Agent for Oklahoma Oil Co.

JA:cp  
**RECEIVED**  
**FEB 18 1980**  
OIL CONSERVATION DIVISION  
SANTA FE

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.

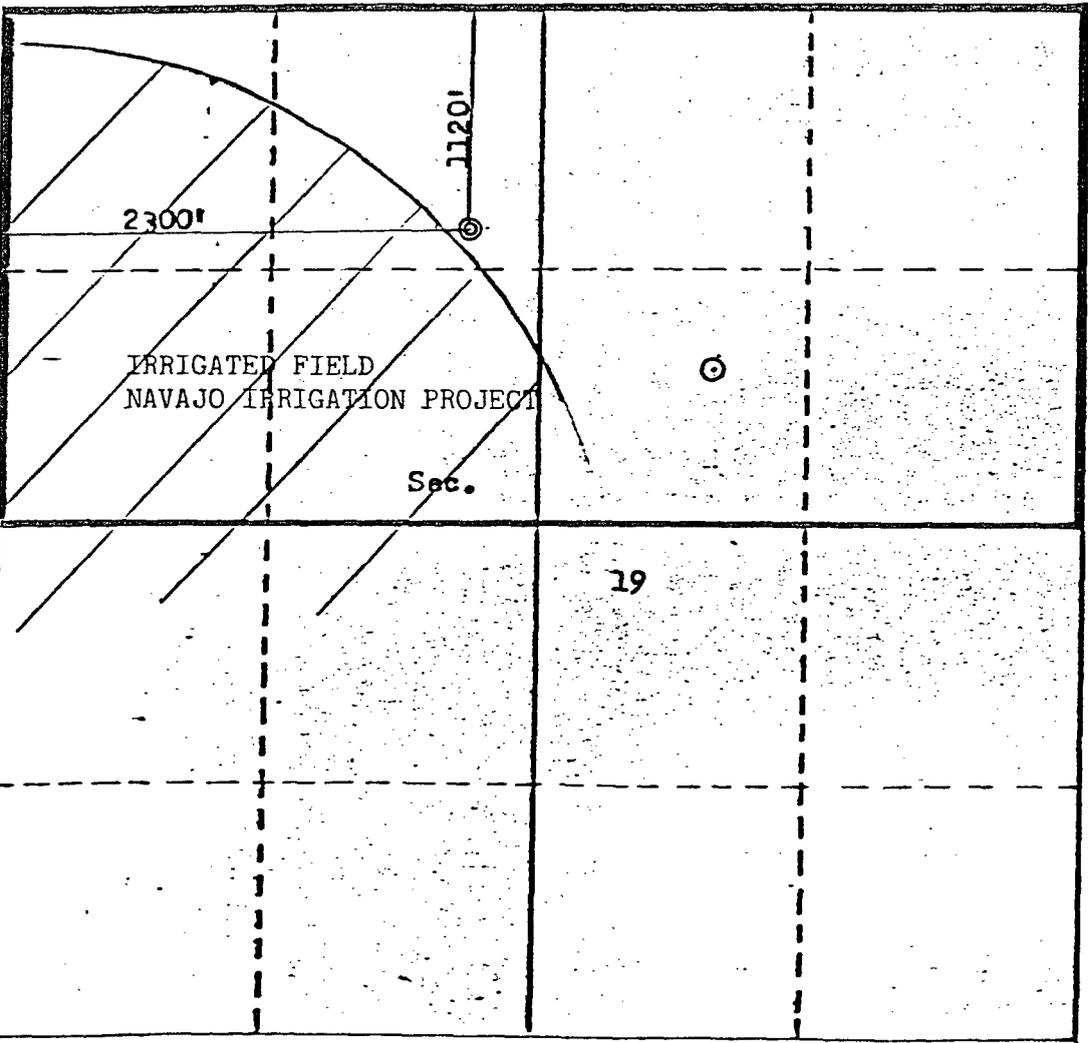
Operator <b>OKLAHOMA OIL COMPANY</b>			Lease <b>FEDERAL WELL</b>		Well No. <b>1-R</b>
Unit Letter <b>C</b>	Section <b>19</b>	Township <b>27N</b>	Range <b>11W</b>	County <b>San Juan</b>	
Actual Footage Location of Well: <b>1120</b> feet from the <b>North</b> line and <b>2300</b> feet from the <b>West</b> line					
Ground Level Elev. <b>6132</b>	Producing Formation <b>Dakota</b>		Pool <b>Basin Dakota</b>	Dedicated Acreage: <b>378.33</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  
**OKLAHOMA OIL COMPANY**

Date  
**November 16, 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 16, 1979**

Registered Professional Surveyor and/or Professional Engineer  
**Fred H. Z. [Signature]**

Certificate No. **3950**

**REGISTERED PROFESSIONAL SURVEYOR STATE OF NEW MEXICO**

R. 11 W

P. 12 W

13

DUGAN ✓  
PRODUCTION

18

Husky Oil Co. ✓  
DEPCO INC ✓

HUSKEY OIL ✓

17

AMOCO ✓  
PRODUCTION

19

2300' FEDERAL #1

EL PASO  
NATURAL GAS ✓

24

AMOCO ✓  
PRODUCTION

TEXACO INC. ✓

OFFSET

LEASE OWNERS

OKLAHOMA Co.

FEDERAL #1

1120' N x 2300' W

19-27N-11W

SAN JUAN CO., N.M.

SCALE: 2000'/IN

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK  
 DRILL  DEEPEN  PLUG BACK

b. TYPE OF WELL  
 OIL WELL  GAS WELL  OTHER \_\_\_\_\_  
 SINGLE ZONE  MULTIPLE ZONE

2. NAME OF OPERATOR  
 OKLAHOMA OIL COMPANY

3. ADDRESS OF OPERATOR  
 Suite 1120, One Energy Square, Dallas, Texas 75206

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.\*)  
 At surface 1120'/N & 2300'/W  
 At proposed prod. zone SAME

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*

15. DISTANCE FROM PROPOSED\* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any)  
 16. NO. OF ACRES IN LEASE 318.33  
 17. NO. OF ACRES ASSIGNED TO THIS WELL 318.33  
 18. DISTANCE FROM PROPOSED LOCATION\* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.  
 19. PROPOSED DEPTH 6600  
 20. ROTARY OR CABLE TOOLS ROTARY

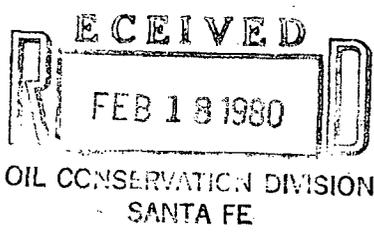
21. ELEVATIONS (Show whether DF, RT, GR, etc.)  
 6132  
 22. APPROX. DATE WORK WILL START\*

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 1/4	8 5/8	24	300	200
7 7/8	5 1/2	15.5	6600	1050

(SEE ATTACHMENTS)

Gas under this lease is not dedicated to a contract.



IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24. SIGNED John Alexander TITLE AGENT DATE November 16, 1979  
 JOHN ALEXANDER

PERMIT NO. \_\_\_\_\_ APPROVAL DATE \_\_\_\_\_

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_  
 CONDITIONS OF APPROVAL, IF ANY:

5. LEASE DESIGNATION AND SERIAL NO.  
 NM029145  
 6. IF INDIAN, ALLOTTEE OR TRIBE NAME  
 7. UNIT AGREEMENT NAME  
 8. FARM OR LEASE NAME  
 FEDERAL  
 9. WELL NO.  
 10. FIELD AND POOL, OR WILDCAT  
 BASIN DAKOTA  
 11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA  
 19-27N-11W  
 12. COUNTY OR PARISH 13. STATE  
 SAN JUAN NEW MEXICO

OKLAHOMA OIL COMPANY

Formation Information and Drilling Practices

WELL:

Federal 1E

LOCATION:

1120'/N & 2300'/W

Sec. 19-27N-11W

San Juan Co., NM

LEASE NUMBER

NM029145

1. Surface Formation

Nacimiento

2. Estimated Formation Tops

Ojo Alamo	630	Gallup	5282
Pictured Cliffs	1732	Greenhorn	6132
Cliff House	2587	Dakota	6262
Point Lookout	4107		

3. Estimated Depth of Anticipated Water, Oil, Gas or Minerals

1732 Gas 6262 Gas

4. Proposed Casing Program

0-300' 10 3/4" 40.5# K-55 ST&C new casing. Cement w/ 200 sk. class "B" + 2% CaCl<sub>2</sub>

0-6600' 5 1/2" 15.5# ST&C new casing. Cement 1st stage w/ 300 sk 50-50 Pozmix + 2% gel. Cement 2nd stage w/ 100 sk 65-35 Pozmix + 12% gel followed by 400 sk 50-50 Pozmix + 2% gel. Cement 3rd stage w/ 250 sk 65-35 Pozmix +12% gel.

5. Pressure Control Equipment - Blowout Preventer

The attached schematic shows the type of blowout preventer to be used while drilling. The unit will be tested to 800 psi prior to drilling from under surface pipe by pressuring through casing valves with blind ram closed. This procedure will be repeated with the pipe rams closed on a joint of drill pipe. Operation of the hydraulic system will be checked daily.

6. Drilling Fluids

Depth	Type	Vis	WEight	Fluid Loss
0-300	Gel-lime	35-45	8.6-9.0	N/L
300-6000	Low-solids	30-40	8.6-11.5	10

7. Auxiliary Equipment

- a. bit float
- b. stabbing valve to be used in drill pipe when kelly is not connected
- c. rotating drilling head

8. Logging - Coring - Testing

Logging: IES, FDC/CNL, Caliper, GR  
Coring: None planned  
Testing: None planned

9. Abnormal temperatures, Pressures or Potential Hazards

None expected.

10. STARTING DATE

Anticipated starting date is January 1, 1980. Approximately 15 days will be needed to build roads, location and drill to total depth. Completion will commence immediately and require approximately 20 days.



OKLAHOMA OIL COMPANY

Surface Use Plan

WELL:

Federal 1E

LOCATION:

1120'/N & 2300'/W

S. 19-27N-11W

San Juan Co., NM

LEASE NUMBER

NM029145

1. Existing Roads (shown in green)

The attached topographic map shows all existing roads within one mile of the proposed location. The access road will join an existing lease road.

2. Planned Access Road

The access road will be approximately 1000' long and 20' wide. No turnouts will be needed. Water bars will be used to aid drainage and prevent erosion. Maximum grade will be about 5%. No fences or cattleguards will be crossed.

3. Location of Existing Wells

All wells (water, oil, gas, disposal and drilling) are shown and so labeled on the topographic map.

4. Location of Tank Batteries, Prod. Facilities, Prod. Gathering & Service Lines

All production facilities are to be contained within the proposed site. Other facilities operated by Okla. Oil Co. are shown on the attached topographic map.

5. Location of Water Supply

Water for drilling will be trucked from Bloomfield, NM approx. 15 miles south of the location. Water is privately owned.

6. Source of Construction Materials

Any construction material required for road or location will be excess material accumulated from building such sites.

7. Methods of Handling Waste Disposal (refer to attached well site layout)

All burnable material will be burned in the trash pit when conditions permit. All nonburnable material (drilling fluids, cuttings, chemicals, etc.) will be held in the reserve pit and buried when dry. Any oil produced while drilling will be trucked from the location prior to leaving the pit to dry. Pits will be fenced during dryout time, then completely backfilled with dirt prior to preparing the location for production or abandonment. Material that cannot otherwise be safely disposed of will be carried to a sanitary land fill.

8. Ancillary Facilities

No ancillary facilities are planned.

9. Well Site Layout

The attached layout shows the drilling rig with all facilities. Cut and fill required is also indicated.

10. Plans for Restoration of Surface

Restoration of well site and access road will begin within 90 days of well completion, weather permitting. Should the well be abandoned, the drilling site will be reshaped to its approximate former contour. The access road will be plowed and leveled. Both site and road will have topsoil replaced and will be reseeded when germination can occur.

Should the well be commercial, that portion of the location not needed for operation will be repaired as above. The portion needed for daily production operations, and the access road, will be maintained in good repair.

In either case, cleanup of the site will include burning any safely burnable material, filling of all pits, carrying away of all nonburnable material and chemicals that cannot be buried. Any oil that has accumulated on the pits will be trucked away.

11. Other Information

This well is located about 15 miles north of Bloomfield, NM. The area is rugged and covered with sagebrush, yucca, and native grasses. The soil is a sandy clay. Small animals and rodents inhabit the area.

Surface belongs to the Bureau of Indian Affairs. There are no occupied dwellings in the area. No artifacts were noticed.

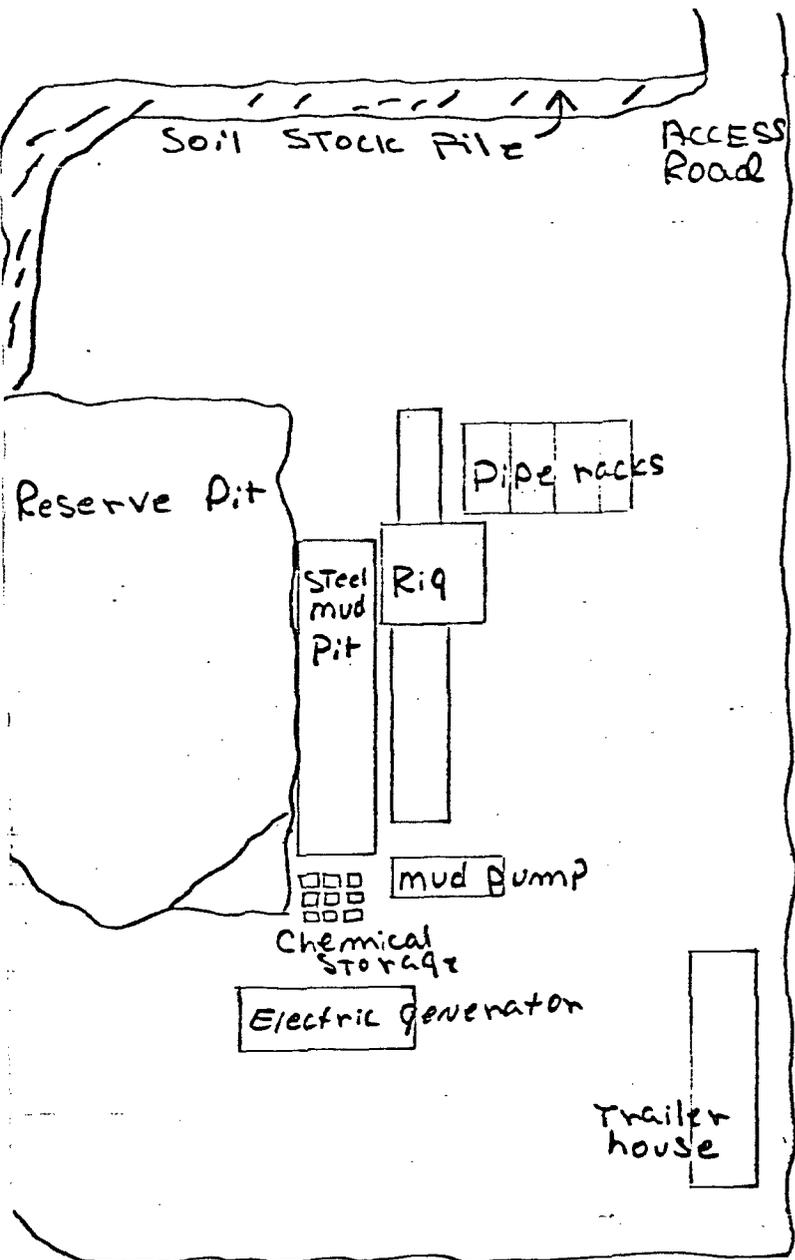
12. John Alexander  
3E Company, Inc.  
P.O. Box 190  
Farmington, NM 87401  
Phone: 505-327-4020

13. I hereby certify that I, or persons under my direct supervision, have inspected the proposed drillsite and access route; that I am familiar with the conditions which presently exist; that the statements made in the plan are, to the best of my knowledge, true and correct; and that the work associated with the operations proposed herein will be performed by Oklahoma Oil Co. and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved.

11-19-79  
DATE

John Alexander  
JOHN ALEXANDER

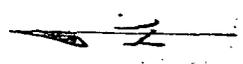
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300

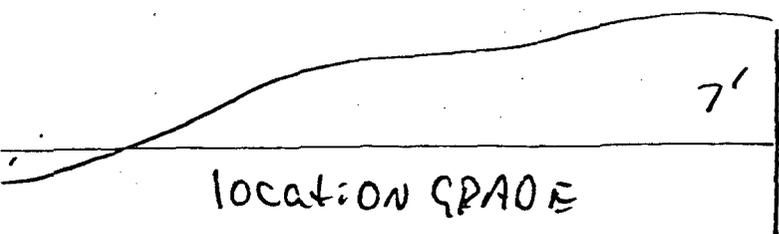
200

horizontal scale: 1" = 50'



LOCATION SPA

Vertical scale:  
1" = 10'







PETROLEUM PRODUCTS

PRODUCING DEPARTMENT  
WEST UNITED STATES  
DENVER DIVISION

January 24, 1980

TEXACO INC.  
P. O. BOX 2100  
DENVER, COLORADO 80201

HEARINGS - NEW MEXICO  
6.02-1

Mr. Joe D. Ramey  
Secretary - Director  
New Mexico Oil Conservation Division  
P. O. Box 2088  
Santa Fe, New Mexico 82501

Dear Mr. Ramey:

Texaco Inc. has received notice from the Oklahoma Oil Company who proposes to drill an unorthodox Dakota well to be known as Federal No. 1 at 1,120 FNL and 2,300 feet FWL, Section 19, Township 27 North, Range 11 West, San Juan County, New Mexico.

After reviewing the notice, Texaco Inc. finds no objection to the proposal and we, therefore, waive objection.

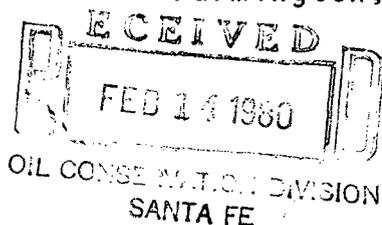
Very truly yours,



J. C. WHITE  
ASSISTANT DIVISION MANAGER

TEC:hn

CC: Mr. J. Alexander ✓  
3E Company, Inc.  
Box 190  
Farmington, New Mexico 87401





**Southland Royalty Company**

January 24, 1980

3E Company, Inc.  
P. O. Box 190  
Farmington, New Mexico 87401

Attention: John Alexander

Re: Non-Standard Location  
Oklahoma Oil Company  
Federal No. 1

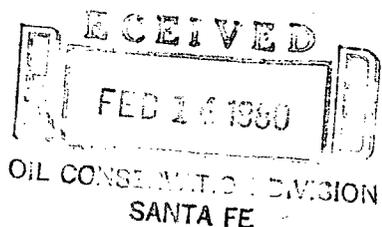
Gentlemen:

Southland Royalty Company does not object to the non-standard location of 1120' FNL and 2300' FWL of section 19, T27N, R11W, San Juan County, New Mexico for the subject Dakota well.

Yours truly,

L. O. Van Ryan  
District Production Manager

LOVR/dg



# **DEPCO, Inc.**

## **PRODUCTION & EXPLORATION**

January 16, 1980

3E Company, Inc.  
Box 190  
Farmington, New Mexico 87401

Attention: John Alexander  
Agent for Oklahoma Oil Company

RE: Oklahoma Oil Company  
Federal No. 1  
1120' FNL & 2300' FWL  
Section 19-T27N-R11W  
San Juan County, New Mexico

Gentlemen:

As an offset operator, DEPCO, Inc., hereby waives any objection and notice of hearing in regard to the drilling of the above referenced well.

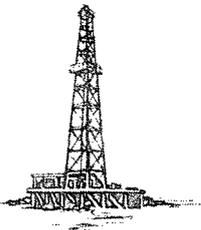
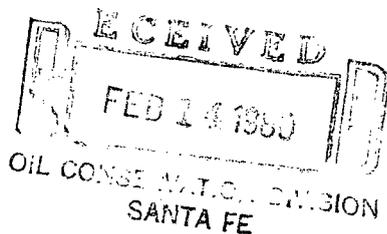
Yours very truly,

DEPCO, INC.



C. D. Crump  
Vice President-Production

CDC:jz



**El Paso** EXPLORATION  
COMPANY

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

January 15, 1980

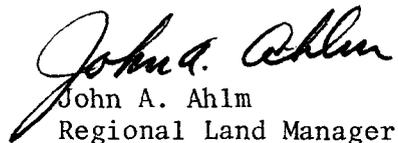
3E Company, Inc.  
Attention: Mr. John Alexander  
Post Office Box 190  
Farmington, New Mexico 87401

Re: Oklahoma Oil Company Non-Standard Location  
Federal No. 1, Dakota Well  
1120' FNL, 2300' FWL  
Section 19, T27N, R11W  
San Juan County, New Mexico

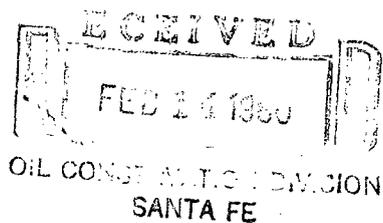
Dear Mr. Alexander:

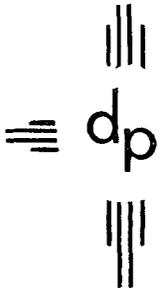
This is to advise that El Paso, as owner of offsetting acreage, does not object to the above referenced request and waives a hearing.

Yours very truly,

  
John A. Ahlm  
Regional Land Manager  
Exploration-Land

JAA:ld





# dugan production corp.

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January 14, 1980

John Alexander  
3E Company, Inc.  
Box 190  
Farmington, New Mexico 87401

Re: Non-standard Location  
Oklahoma Oil Company

Dear Mr. Alexander:

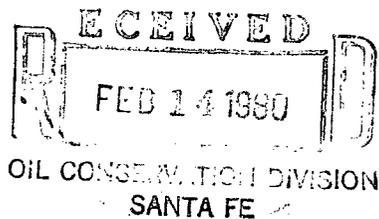
We acknowledge receipt of your request for waiver of objection to the proposed unorthodox location for Oklahoma Oil Company's Federal #1 Well in Section 19, Township 27 North, Range 11 West, San Juan County, New Mexico.

Please consider this our waiver of objection to the proposed unorthodox location.

Sincerely,

Tommy Roberts  
Landman

TR:eb



# 3E COMPANY, INC.

*Engineering • Energy • Exploration*

P. O. Box 190    —:—    505/327-4020

FARMINGTON, NEW MEXICO 87401

January 16, 1980

B. H. Keys  
P.O.Box 842  
Aztec, NM 87410

Attn: B. H. Keys

Re: Non-Standard Location  
Oklahoma Oil Co.

Dear Sirs:

Oklahoma Oil Company proposes to drill an unorthodox Dakota well to be known as Federal No. 1 at 1120' FNL and 2300' FWL, Section 19, T27N, R11W, San Juan County, New Mexico.

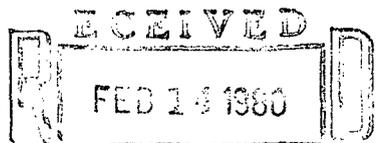
The Non-Standard Location is required so that well facilities will not interfere with an irrigated field in the Navajo Irrigation Project.

As an offset operator, we request that you waive a hearing in this matter.

Please write:

3E Company, Inc.  
Box 190  
Farmington, NM 87401  
Attn: John Alexander

to signify your waiver.



OIL CONSERVATION DIVISION  
SANTA FE

A handwritten signature in cursive script that reads "John Alexander". The signature is written in dark ink and is positioned above the typed name and title.

John Alexander  
Agent for Oklahoma Oil Co.

JA:cp    *Mr Alexander*

*It was requested above is granted.*    *BH Keys*

# 3E COMPANY, INC.

*Engineering • Energy • Exploration*

P. O. Box 190      505/327-4020

FARMINGTON, NEW MEXICO 87401

January 10, 1980

Huskey Oil Co.  
600 S. Cherry St.  
Denver, Colorado 80222

Attn: J. William Kimes

RE: Non-Standard Location  
Oklahoma Oil Co.

Dear Sirs:

Oklahoma Oil Company proposes to drill an unorthodox Dakota well to be known as Federal No. 1 at 1120' FNL and 2300' FWL, Sec. 19-T27N-R11W, San Juan County, New Mexico.

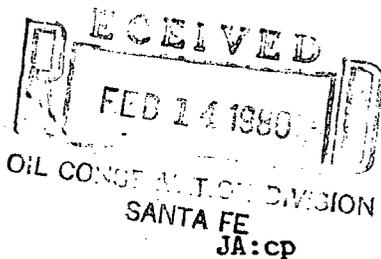
The Non-Standard location is required so that well facilities will not interfere with an irrigated field in the Navajo Irrigation Project.

As an offset operator, we request that you waive a hearing in this matter.

Please write:

3E Company, Inc.  
Box 190  
Farmington, NM 87401  
Attn: John Alexander

to signify your waiver.



*John Alexander*  
John Alexander  
Agent for Oklahoma Oil Co.

Huskey Oil Company approves the Non-Standard location to drill an unorthodox Dakota well.

*J. L. Corkill*

J. L. CORKILL  
Manager, Joint Interest Production  
600 S. Cherry Street  
Denver, CO 80222

# 3E COMPANY, INC.

*Engineering • Energy • Exploration*

P. O. Box 190    --    505/327-4020

FARMINGTON, NEW MEXICO 87401

February 11, 1980

New Mexico Dept. of Minerals  
Oil & Gas Division  
1000 Rio Brazos  
Aztec, NM 87410

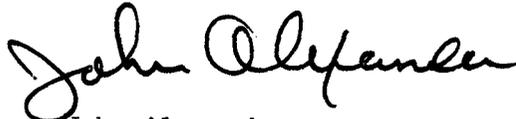
Attn: Mr. Frank Chavez

Re: Non-Standard Location  
Oklahoma Oil Co.  
Federal No. 1

Dear Sirs:

Reference my letter of January 15, 1980, attached are  
waivers from offset operators to Oklahoma Oil Company's  
Federal #1 at 1120'/N and 2300'/W, Sec. 19, T27N, R11W,  
San Juan County, New Mexico.

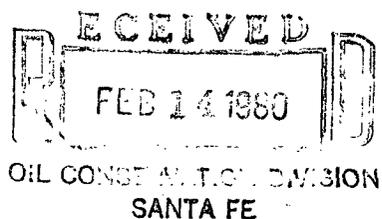
Sincerely,



John Alexander  
Agent for Oklahoma Oil Co.

Enclosure

JA:cp





**Amoco Production Company**

Denver Region  
Security Life Building  
Denver, Colorado 80202  
303-820-4040

January 24, 1980

Mr. John Alexander  
3E Company, Inc.  
P. O. Box 190  
Farmington, NM 87401

File: HAS-20-986.511

Dear Mr. Alexander:

Non-standard Location  
Section 19-T27N-R11W  
San Juan County, New Mexico

In response to your January 10, 1980, letter to R. W. Schroeder, Amoco has no objection to Oklahoma Oil Company's proposal to drill a Dakota well, its Federal No. 1, at a location 1,120' FNL and 2,300' FWL of Section 19-T27N-R11W in San Juan County, New Mexico, as a non-standard location so as to avoid an irrigated field in the Navajo Irrigation Project.

Very truly yours,

R. B. Giles

RBG:jl

CT591

