

*Exhibits 1 through 4
complete list*

DOCKET: Examiners Hearing - Wednesday - November 14, 1990

CASE # 10161

STRANGE FEDERAL #5

Exhibit #1	Map
Exhibit #2	Offset Operators
Exhibit #3	Horizontal Drilling Procedure
Exhibit #4	Schematic

EXHIBIT #1

Examiners Hearing-November 14, 1990

CASE #10161

STRANGE FEDERAL #1
Section 25, T7S, R31E
Chaves County, New Mexico

BEFORE EXAMINER
TOILE CONSERVATION DIVISION
EXHIBIT NO. 1
CASE NO. 3-1-96
44502

Examiners Hearing - Wednesday - November 14, 1990
CASE #10161

EXHIBIT #2

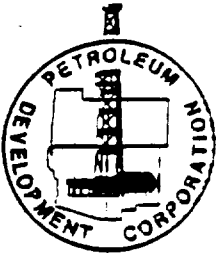
STRANGE FEDERAL #5
Section 25, T7S, R31E

Offset Operators:

Yates Petroleum Corporation
105 South 4th
Artesia, NM 88210

Nauman Oil & Gas, Inc.
P.O. Box 10159
Midland, TX 79702

BEFORE EXAMINERS	
OIL CONSERVATION DIVISION	
EXHIBIT NO:	<u>2</u>
CASE NO.	<u>10161</u>



PETROLEUM DEVELOPMENT CORPORATION

9720-8 CANDELARIA, NE
ALBUQUERQUE, NEW MEXICO 87112
TELEPHONE (505) 293-4044

October 11, 1990

Nauman Oil & Gas, Inc.
P.O. Box 10159
Midland, TX 79702

Gentlemen:

Enclosed is a copy of Petroleum Development Corporation's application for Public Hearing before the Oil Conservation Commission of New Mexico to horizontally drill the following wells:

CATO San Andres Field

Wattan Federal #3 Unit F, Section 6, T8S, R31E. Located 1980' FNL and 1980' FWL.

CATO San Andres Field

Wattam Federal #6 Unit A, Section 7, T8S, F31E. Located 645' FNL and 782' FEL.

Tomahawk San Andres Field

Strange Federal #5 Unit F, Section 25, T7S, R31E. Located 660' FSL and 1980' FWL.

Siete San Andres Field

Siete Federal #1 Unit I, Section 17, T7S, R31E. Located 1980' FSL and 660' FEL.

If you have no objections to this proposal please sign one copy and return the copy to this office.

Sincerely,

Accepted this _____ day of _____, 1990.

J.C. Johnson
President

By: _____

Enclosure

SENDER: Complete items 1 and 2 when additional services are desired, and complete items 3 and 4.

Put your address in the "RETURN TO" Space on the reverse side. Failure to do this will prevent this card from being returned to you. The return receipt fee will provide you the name of the person delivered to and the date of delivery. For additional fees the following services are available. Consult postmaster for fees and check boxes for additional service(s) requested.

1. ☐ Show to whom delivered, date, and addressee's address. 2. ☐ Restricted Delivery (Extra charge)

3. Article Addressed to:
NAUMAN OIL & GAS INC
P O BOX 10159
MIDLAND TX 79702

4. Article Number
P 084 963 956

Type of Service:
☐ Registered ☐ Insured
☐ Certified ☐ COD
☐ Express Mail ☐ Return Receipt for Merchandise

Always obtain signature of addressee or agent and DATE DELIVERED.

5. Signature - Addressee
X

6. Signature - Agent
X *[Signature]*

7. Date of Delivery
10-17-90

8. Addressee's Address (ONLY if requested and fee paid)

PS Form 3817, Apr. 1989 U.S.G.P.O. 1989-238-815 DOMESTIC RETURN RECEIPT

P 084 963 956
 RECEIPT FOR CERTIFIED MAIL
 NO INSURANCE COVERAGE PROVIDED
 NOT FOR INTERNATIONAL MAIL
 (See Reverse)

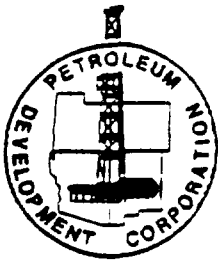
Sent to: NAUMAN OIL & GAS INC
 Street: P O BOX 10159
 P.O. Box: MIDLAND TX 79702

Postage: \$ 20
 Certified Fee:
 Special Delivery Fee: \$ 5
 Restricted Delivery Fee:

Return Receipt showing to whom and Date Delivered: 90
 Return Receipt showing to whom Date and Address of Delivery:
 TOTAL Postage and Fees: \$ 25

Postmark & Date: *[Circular Postmark]*

PS Form 3800, June 1985



PETROLEUM DEVELOPMENT CORPORATION

9720-8 CANDELARIA, NE
ALBUQUERQUE, NEW MEXICO 87112
TELEPHONE (505) 293-4044

October 11, 1990

Yates Petroleum Corporation
105 South 4th
Artesia, NM 88210

Gentlemen:

Enclosed is a copy of Petroleum Development Corporation's application for Public Hearing before the Oil Conservation Commission of New Mexico to horizontally drill the following wells:

CATO San Andres Field

Wattam Federal #3 Unit F, Section 6, T8S, R31E. Located 1980' FNL and 1980' FWL.

CATO San Andres Field

Wattam Federal #6 Unit A, Section 7, T8S, F31E. Located 643' FNL and 782' FEL.

Tomahawk San Andres Field

Strange Federal #5 Unit F, Section 25, T7S, R31E. Located 660' FSL and 1980' FWL.

Siete San Andres Field

Siete Federal #1 Unit I, Section 17, T7S, R31E. Located 1980' FSL and 660' FEL.

If you have no objections to this proposal please sign one copy and return the copy to this office.

Sincerely,

Accepted this _____ day of _____, 1990.

J.C. Johnson
President

By: _____

Enclosure

3 and 4.
Put your address in the "RETURN TO" Space on the reverse side. Failure to do this will prevent this card from being returned to you. The return receipt fee will provide you the name of the person delivered to and the date of delivery. For additional fees the following services are available. Consult postmaster for fees and check box(es) for additional service(s) requested.

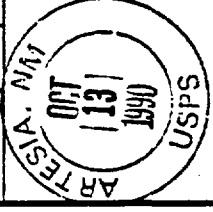
1. ☒ Show to whom delivered, date, and addressee's address. 2. ☐ Restricted Delivery (Extra charge)

3. Article Addressed to: <i>Yates Petroleum Corp</i> <i>105 S 4th</i> <i>Artesia NM 88210</i>		4. Article Number <i>P084963959</i>	
5. Signature — Addressee <i>X</i>		Type of Service: ☐ Registered ☐ Insured ☒ Certified ☐ COD ☐ Express Mail ☐ Return Receipt for Merchandise	
6. Signature — Agent <i>X Mike Burd</i>		Always obtain signature of addressee or agent and DATE DELIVERED.	
7. Date of Delivery <i>10-12-90</i>		8. Addressee's Address (ONLY if requested and fee paid)	

PS Form 3811, Apr. 1989

*U.S.G.P.O. 1989-238-815

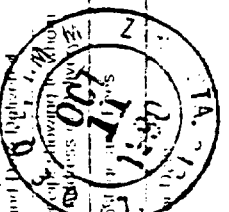
DOMESTIC RETURN RECEIPT

1A. For return receipt after mailing ATTACH \$2.10 postage in this space.		CUSTOMER - Complete items 1 or 2 and 3 through 6 below. Add your address in the "RETURN TO" space on reverse.	
 Mailing post office postage is indicated and previously paid for item 2.		☐ 1. AFTER MAILING: provide name of person who signed for article and date delivered (attach \$2.10 postage at left). ☒ 2. DUPLICATE: provide name of person who signed for article and date of delivery. ☐ 3. DUPLICATE: provide name of person who signed for article, date of delivery, and place of delivery.	
		3A. REGISTERED NO. 3B. CERTIFIED NO. <i>P084963959</i> 3C. INSURED NO.	
		4. MAILING DATE <i>10-11-90</i> 5. CONTENTS (if known) <i>Letter</i>	
6. ARTICLE ADDRESSED TO <i>Yates Petroleum 105 South 4th Artesia, NM 88210</i>			
POSTAL RECORDS SHOW DELIVERY	7. TO <i>Yates Petroleum</i>		11. POSTMARK OF DELIVERY OFFICE 
	8. DATE OF DELIVERY <i>10-12-90</i>		
	9. ADDRESS (Complete only if requested)		
		10. CLERK'S INITIALS <i>me</i>	

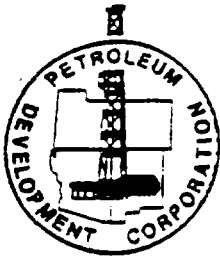
PS Form 3811-A, Sep. 1978

*USGPO: 1976-753-886/65

REQUEST FOR RETURN RECEIPT (AFTER MAILING)

P 084 963 959		25		90		200	
YATES PETROLEUM CORP		105 S. 4th		ARTESIA NM 88210			
Package		Certified Fee		Special Delivery Fee		Restricted Delivery Fee	
Return the receipt showing to whom and how delivered		Return Receipt showing date and address		TOTAL		Postmark	
							

PS Form 3800, June 1985



PETROLEUM DEVELOPMENT CORPORATION

9720-8 CANDELARIA, NE
ALBUQUERQUE, NEW MEXICO 87112
TELEPHONE (505) 293-4044

October 11, 1990

Kerr-McGee Corporation
Box 11050
Midland, TX 79701

Gentlemen:

Enclosed is a copy of Petroleum Development Corporation's application for Public Hearing before the Oil Conservation Commission of New Mexico to horizontally drill the following wells:

CATO San Andres Field

Wattan Federal #5 Unit F, Section 6, T8S, R31E. Located 1980' FNL and 1980' FWL.

CATO San Andres Field

Wattam Federal #6 Unit A, Section 7, T8S, F31E. Located 643' FNL and 782' FEL.

Tomahawk San Andres Field

Strange Federal #5 Unit F, Section 25, T7S, R31E. Located 660' FSL and 1980' FWL.

Siete San Andres Field

Siete Federal #1 Unit I, Section 17, T7S, R31E. Located 1980' FSL and 660' FEL.

If you have no objections to this proposal please sign one copy and return the copy to this office.

Sincerely,

Accepted this ____ day of _____, 1990.

J.C. Johnson
President

By: _____

Enclosure

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Put your address in the "RETURN TO" Space on the reverse side. Failure to do this will prevent this card from being returned to you. The return receipt fee will provide you the name of the person delivered to and the date of delivery. For additional fees the following services are available. Consult postmaster for fees and check box(es) for additional service(s) requested.

1. ☐ Show to whom delivered, date, and addressee's address. 2. ☐ Restricted Delivery (Extra charge)

3. Article Addressed to:

KERR MCGEE CORPORATION
BOX 11050
MIDLAND TX 79701

4. Article Number
P 084 963 963

Type of Service:

☐ Registered ☐ Insured
☐ Certified ☐ COD
☐ Express Mail ☐ Return Receipt for Merchandise

Always obtain signature of addressee or agent and DATE DELIVERED.

5. Signature - Addressee
X

6. Signature - Agent
X *[Signature]*

7. Date of Delivery
10-15-90

8. Addressee's Address (ONLY if requested and fee paid)

PS Form 3811, Apr. 1989

★ U.S.G.P.O. 1989-238-815

DOMESTIC RETURN RECEIPT

P 084 963 963

RECEIPT FOR CERTIFIED MAIL

NO INSURANCE COVERAGE PROVIDED
NOT FOR INTERNATIONAL MAIL
(See Reverse)

Sent to Kerr McGee Corporation	
Street and No. Box 11050	
P.O. Box and ZIP Code Midland TX 79701	
Postage	\$ 25
Certified Fee	
Special Delivery Fee	85
Restricted Delivery Fee	
Return Receipt showing to whom and Date Delivered	90
Return Receipt showing to whom Date, and Addressee's Address	
TOTAL Postage and Fees	200
Postman's or Date	

PS Form 3800, June 1985

CASE #10161

STRANGE FEDERAL #5

Unit N, SE/4 SW/4, Section 25
T7S R31E
Tomahawk San Andres Field
Chaves County, New Mexico

HORIZONTAL DRILLING PROCEDURE

1. Drill cement plugs @ surface to 300 feet and 1480 feet - 1680 feet.
2. Drill out CIBP @ 3770 feet.
3. Set CIBP @ 4130 feet and 4038 feet.
4. Squeeze perforations 3801 feet - 4008 feet. Drill out cement.
5. Mill section in 5½" casing from approximately 3998 feet to 4036 feet.
6. Set cement plug. Drill out cement to approximately 4003 feet.
7. Run directional survey.
8. Utilize gyro survey to orient tools in a southeasterly direction.
9. Kickoff cement plug at approximately 4003 feet.
10. Drill 40 feet radii curve to an inclination of approximately 75 to 85 degree.
11. Conduct approximately 6 surveys of curve using single shot inclinometer.
12. Drill laterally approximately 275 feet thru a vertical depth of approximately 4044 feet to 4080 feet.
13. Conduct two surveys in lateral, one being an end of hole survey.

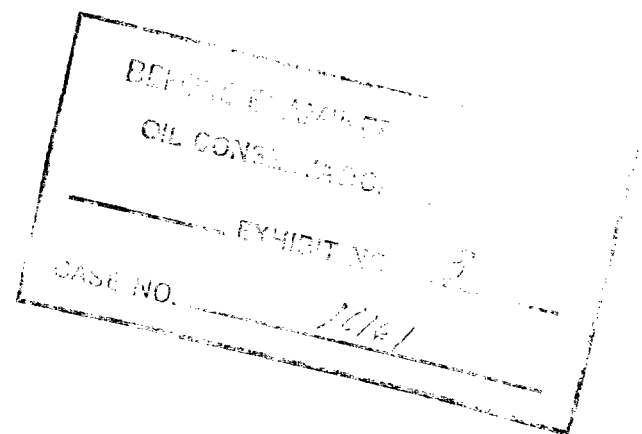


EXHIBIT #4

STRANGE FEDERAL #5

SE/4 SW/4, Section 25
T7S, R31E
Chaves County, New Mexico

CIBP @ 3770'

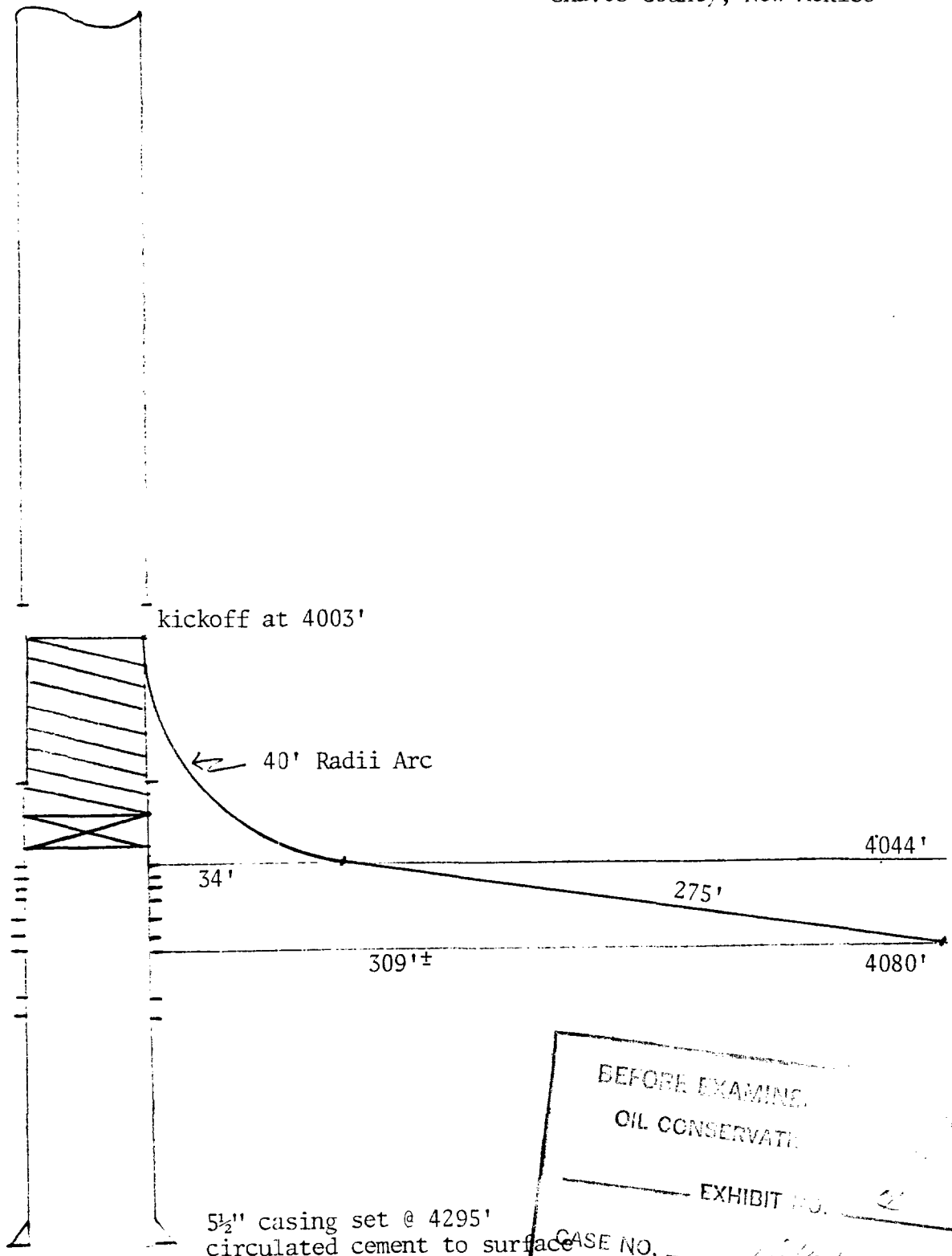
Perforations @
3801' - 4008'

Mill 5½" casing
3998' - 4036'

cement plug
4003' - 4038'

Set CIBP @ 4038'

Perforations
4040' - 4116'
4144' - 4233'



BEFORE EXAMINE.
OIL CONSERVATION
EXHIBIT NO. 2
CASE NO. 10161