CAMPBELL & BLACK, P.	A.
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LAWYERS

JACK M. CAMPBELL BRUCE D. BLACK MICHAEL B. CAMPBELL WILLIAM F. CARR BRADFORD C. BERGE MARK F. SHERIDAN J. SCOTT HALL JOHN H. BEMIS WILLIAM P. SLATTERY MARTE D. LIGHTSTONE PATRICIA A. MATTHEWS

Mr. Michael E. Stogner

Oil Conservation Division

State Land Office Building

Santa Fe, New Mexico 87501

New Mexico Department of Energy,

Minerals and Natural Resources

Hearing Examiner

JEFFERSON PLACE SUITE I - 110 NORTH GUADALUPE POST OFFICE BOX 2208 SANTA FE, NEW MEXICO 87504-2208 TELEPHONE: (505) 988-4421 TELECOPIER: (505) 983-6043

May 17, 1989

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MAY 17 1989

OIL CONSERVATION DIVISION

Re: Case 9646: Application of Sun Exploration and Production Company for a Waterflood Project, Eddy County, New Mexico

Dear Mr. Stogner:

Pursuant to your directive at the April 12, 1989 hearing in the above-referenced case, the following information is enclosed for your consideration:

- 1. Calculations of the cement tops in the area of review surrounding the proposed injection well;
- 2. Return receipts received from offsetting operators in the area of review; and
- 3. Waiver letters from Meridian and Chevron (these owners are more than one-half mile from the injection well but offset the subject lease and were obtained pursuant to your request. No waiver was obtained from Mobil for their interests in this area have recently been acquired by Sun).

Also enclosed is Sun's proposed Order.

If you need anything further from Sun to proceed with your consideration of this application, please advise.

Very truly yours,

WILLIAM F. CARR ATTORNEY FOR SUN EXPLORATION AND PRODUCTION COMPANY WFC:mlh Enclosures cc w/enclosures: Charlie Gray Chad Dickerson, Esq.



Sun Exploration and Production Company No 24 Smith Road ClayDesta Plaza PO Box 1861 Midland TX 79702 9970 915 688 0300

Chevron U.S.A. Inc. P. O. Box 670 Hobbs, New Mexico 88240 Attn: R.C. Anderson Meridian Oil Inc.
 #21 Desta Drive
 Midland, Texas 79705
 Attn: Bob Bradshaw

Mobil Producing Texas & New Mexico Inc. P. O. Box 633 Environmental Regulatory Dept. Midland, Texas 79702 Attn: M.E. Sweeney or T.L. Hill

> RE: Offset Operators Notification Signed Waiver Requested Form C-108 Application for Authorization to Inject Sun Exploration & Production Co. Mobil 22 Federal Well No. 5 N, 990' FSL & 2310' FWL Sec. 22, T-26-S, R-29-E Brushy Draw-Delaware Eddy County, New Mexico

Gentlemen:

On January 23, 1989 notification was sent to offset operators on the above captioned injection application. Due to an error in our maps, which was called to our attention by Mr. Michael E. Stogner of the Oil Conservation Division in Santa Fe, New Mexico, you were not notified of this application.

Enclosed are copies of form C-108 application for authorization to inject and attachments. Because of the time that has already lapsed, we are requesting a signed waiver from the leasehold operators within one-half mile of the well location which were not notified on January 23, 1989.

If you have no objection to this application, please sign the waiver below and return to Sun Expl. & Prod. Co., P. O. Box 1861, Midland, Texas, 79702, Attention: Maria Perez, Proration Dept.

Yours truly,

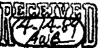
Maria 2. Per

Maria L. Perez Accountant A/C 914-688-0375

Date: Meridian Vil Suc. Company Name:

Signature:	Dennis Sedge	
Title:	here Land Manager	-

HPR 14 '89 13:44 CHEVRUN HUBBSINN



SUN

April 13, 1989

Chevron U.S.A. Inc. P. O. Box 670 Hobbs, New Mexico 88240 Attn: R.C. Anderson Meridian Oil Inc. #21 Desta Drive Midland, Texas 79705 Attn: Bob Bradshaw

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Yours truly,

Marin I.

Maria L. Perez Accountant A/C 914-688-0375

Date: <u>Aul 14, 1989</u> Company Name: <u>Chevron (15.A.</u>

Signature:	Mon lo Bohling
Title: <u>D</u>	Alm lo Bohling

Sun Production Operations Division Southwestern District

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Sun Exploration and Production Company No 24 Smith Road ClayDesta Plaza PO Box 1861 Midland TX 79702 9970 915 688 0300

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. <u>The return receipt fee will provide you the name of the person</u> <u>delivered to and the date of delivery</u>. 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 <u>t(Extra charge)</u>t 1.4. Assiste Number 3. Article Addressed to: 4. Article Number \Box 75049 76 Ĺ) ·Ami City Couter Type of Service: First Registered Insured Certified ANJ. 79707 Always obtain signature of addressee or agent and DATE DELIVERED. 5. Signature Addres 8. Addressee's Address (ONLY if requested and fee paid) Х 1-61ad 6. Signature - Agent Х 500W 7. Date of Delivery 2 PS Form 3811, Mar. 1987 * U.S.G.P.O. 1987-178-268 DOMESTIC RETURN RECEIPT

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Boy 61289 600 Travis Stating 600	Type of Service: Begistered Insured Certified COD Express Mail
Houston, TX 77208-1289	Always obtain signature of addressee or agent and <u>DATE DELIVERED</u> .
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P3 Form 3811, Mar. 1987 * U.S.G.P.O. 1987-178-268	DOMESTIC RETURN RECEIPT

$$H_{cmt} = \frac{\# \text{ of } sx (1.32 \text{ FT}^3/\text{sx})}{(.1733 \text{ Ft}^3/\text{FT})} \times (65\%)$$

= (# of sx)(4.95 FT/sx)

 $H_{cmt} = \frac{\# \text{ of } sx (1.32 \text{ FT}^3/sx)}{.2278 \text{ FT}^3/sx)} \times (65\%)$

= (# of sx)(3.76 FT/sx)

Csg Seat - H_{cmt} = TOC

LEASE NAME	HOLE SIZE	CSG SIZE	CSG SEAT	CMT(SX) USED	CALCULATED TOC
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* TOC - Obtained from Temperature Survey
** TOC - Obtained from Cement Bond Log

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BEFORE THE

OIL CONSERVATION DIVISION

NEW MEXICO DEPARTMENT OF ENERGY AND MINERALS

IN THE MATTER OF THE APPLICATION OF SUN EXPLORATION AND PRODUCTION COMPANY FOR A WATERFLOOD PROJECT, EDDY COUNTY, NEW MEXICO.

CASE NO. 9646

ENTRY OF APPEARANCE

COMES NOW CAMPBELL & BLACK, P.A., and hereby enters its appearance in the above referenced case on behalf of Sun Exploration and Production Company.

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Respectfully submitted,

CAMPBELL & BLACK, P.A.

By:

WILLIAM F. CARR Post Office Box 2208 Santa Fe, New Mexico 87504 Telephone: (505) 988-4421

ATTORNEYS FOR SUN EXPLORATION AND PRODUCTION COMPANY

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APR 10 1989

OIL CONSERVATION DIVISION ちんこん

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Sun Exploration and Production Company No 24 Smith Road ClayDesta Plaza PO Box 1861 Midland TX 79702 9970 915 688 0300



Chevron U.S.A. Inc. P. O. Box 670 Hobbs, New Mexico 88240 Attn: R.C. Anderson Meridian Oil Inc. #21 Desta Drive Midland, Texas 79705 Attn: Bob Bradshaw

Mobil Producing Texas & New Mexico Inc. P. O. Box 633 Environmental Regulatory Dept. Midland, Texas 79702 Attn: M.E. Sweeney or T.L. Hill

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Yours truly,

Manin I.1

Maria L. Perez Accountant A/C 914-688-0375

Date: Meridian Dil Suc, Company Name:

Signature:	Dennis Stelge
Title:	hen Land Manager

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Sun Exploration and Production Company Four NorthPark East 5656 Blackwell P O Box 2880 Dallas TX 75221-2880 Occuber 9 6 4 6214 890 6000

February 13, 1989

New Mexico Oil Conservation Commission Room 206 310 Old Santa Fe Trail Santa Fe, NM 87503

Attn: David R. Catanach Commission Engineer

RE: Brushy Draw (Delaware) Pool Mobil 22 Federal Lease Well No. 5 Section 22-T26S-R29E Eddy County, New Mexico

Dear Mr. Catanach:

Sun Exploration and Production Company respectfully requests the Commission to set April 12th, 1989, as the date of hearing for our application to inject produced water into a zone productive of hydrocarbons.

Contrary to Mr. J. C. Williamson's letter to the Commission dated January 24, 1989, this application is for secondary recovery and not for salt water disposal.

Sun is of the opinion that significant additional reserves of hydrocarbons will be obtained by secondary recovery methods.

Please advise if this request is not acceptable to the Commission.

Respectfully submitted,

Charles A. Gray Conservation Representative

CAG:vak cc: NMOCC 324 West Main Street P. O. Drawer DD Artesia, NM 88210

J. C. Williamson P. O. Box 16 Midland, TX 79701

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