

## BEFORE THE OIL CONSERVATION DIVISION NEW MEXICO DEPARTMENT OF ENERGY, MINERALS AND NATURAL RESOURCES

# IN THE MATTER OF THE APPLICATION OF YATES PETROLEUM CORPORATION FOR AMENDMENT FO THE SPECIAL POOL RULES AND REGULATIONS FOR THE SOUTH BIG DOG-STRAWN POOL, LEA COUNTY, NEW MEXICO.

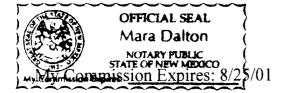
## CASE NO. 12374

## **AFFIDAVIT**

STATE OF NEW MEXICO ) ) ss. COUNTY OF SANTA FE )

William F. Carr, attorney in fact and authorized representative of Yates Petroleum Corporation, the applicant herein, being first duly sworn, upon oath, states that notice has been given to all interested parties entitled to receive notice of this application under Oil Conservation Division rules, and that notice has been given at the addresses shown on Exhibit "A" attached hereto.

SUBSCRIBED AND SWORN to before this 27th day of April, 2000 by William F. Carr.



Mara Dalton, No<sup>°</sup> BEFORE THE OIL CONSERVATION DIVISION Santa Fe, New Mexico Case No. 12374 Exhibit No. 2 Submitted by: <u>Yates Petroleum Corporation</u> Hearing Date: May 4, 2000

# **EXHIBIT A**

Ocean Energy Resources, Inc. P.O. Box 201645 Houston, TX 77216-1645

Charles B. Gillespie, Jr. P.O. Box 8 Midland, TX 79702

David Petroleum 116 West First Street Roswell, NM 88201

Tom Brown, Inc. P.O. Box 844848 Dallas, TX 75284-4848

Nearburg Exploration Company P.O. Box 841585 Dallas, TX 75284-1585

Sinclair Oil Corporation 550 East South Temple P.O. Box 30825 Salt Lake City, UT 84130-0825

Manzano Oil Corporation P.O. Box 2107 Roswell, NM 88201-2107

U S Operating 5950 Berkshire Lane, Suite 300 Dallas, TX 75225-5831 V-F Petroleum P.O. Box 1889 Midland, TX 79702

UMC Petroleum Corporation P.O. Box 4600 Houston, TX 77210

Perry & Perry 214 W. Texas Street, Suite 900 Midland, TX 79702

Exxon Corporation P.O. Box 951027 Dallas, TX 75395-1027

Kennedy & Mitchell, Inc. P.O. Box 612007 Dallas, TX 75261-2007

David H. Arrington Oil & Gas P.O. Box 2071 Midland, TX 79702

Amoco Production Co. P.O. Box 3092 Houston, TX 77253

Allen K. Trobaugh 4305 N. Garfield Midland, TX 79705 Nadel & Gussman Permian LLC 3200 First National Tower Tulsa, OK 74103-4313

Matador Petroleum Corporation P.O. Box 891684 Dallas, TX 75389

Petroleum Synergy Group, Inc. 1801 Broadway, Suite #8 Denver, CO 80202-3800

Ameristate Oil & Gas, Inc. 211 Ranch Road 620 South Austin, TX 78734

Chesapeake Energy Corporation P.O. Box 18496 Oklahoma City, OK 73154-0496

Five States Energy Co., LLC 4925 Greenville Ave., Ste 1220 Dallas, TX 75206-4015

Roc Energy, Inc. 2200 N. "A" Street Midland, TX 79705-5421

Tom Brown, Inc/Sharp Drilling P.O. Box 844848 Dallas, TX 75284-1585

# CAMPBELL, CARR, BERGE & SHERIDAN, P.A. LAWYERS

MICHAEL B. CAMPBELL WILLIAM F. CARR BRADFORD C. BERGE MARK F. SHERIDAN MICHAEL H. FELDEWERT PAUL R. OWEN ANTHONY F. MEDEIROS JACK M. CAMPBELL 1916-1999 JEIFERSON PLACE SUITE I - IO NORTH GUADALUPE POST OFFICE BOX 2208 SANTA FE, NEW MEXICO 87504-2208 TELEPHONE: (505) 988-4421 FACSIM LE: (505) 983-6043 E-MAIL: law@westofpecos.com

March 15, 2000

# <u>CERTIFIED MAIL</u> <u>RETURN RECEIPT REQUESTED</u>

## TO INTEREST OWNERS IN THE SOUTH BIG DOG-STRAWN POOL AREA

Re: Application of Yates Petroleum Corporation for Special Pool Rules for the South Big Dog-Strawn Pool, Lea County, New Mexico

Gentlemen:

This letter is to advise you that Yates Petroleum Corporation has filed the enclosed application with the New Mexico Oil Conservation Division seeking the promulgation of Special Pool Rules and Regulations for the South Big Dog-Strawn Pool including a provision for a special gas-oil ratio of 6000 cubic feet of gas for each barrel of oil produced.

This application has been set for hearing before a Division Examiner on April 6, 2000. You are not required to attend this hearing, but as an owner of an interest that may be affected by this application, you may appear and present testimony. Failure to appear at that time and become a party of record will preclude you from challenging the matter at a later date.

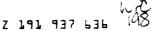
Parties appearing in cases have been requested by the Division (Memorandum 2-90) to file a Prehearing Statement substantially in the form prescribed by the Division. Prehearing statements should be filed by 4:00 o'clock p.m. on the Friday before a scheduled hearing.

Very truly yours,

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William F. Carr ATTORNEY FOR YATES PETROLEUM CORPORATION

Enc.



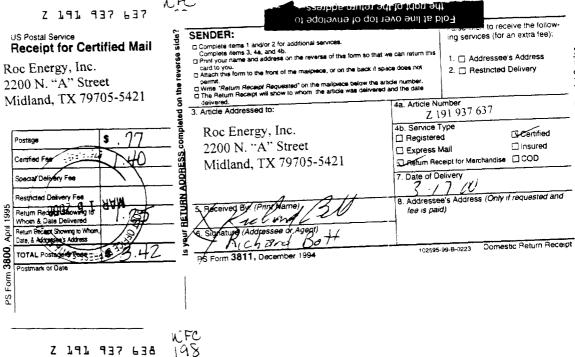
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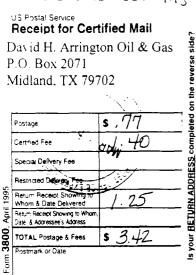
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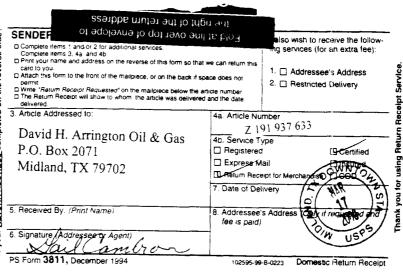
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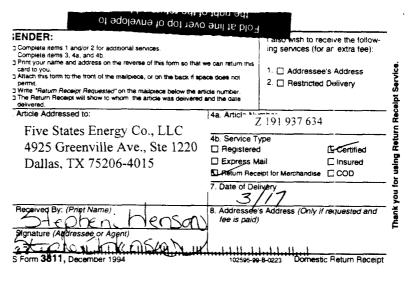
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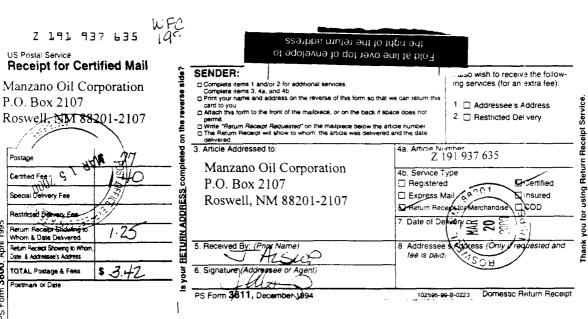
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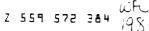
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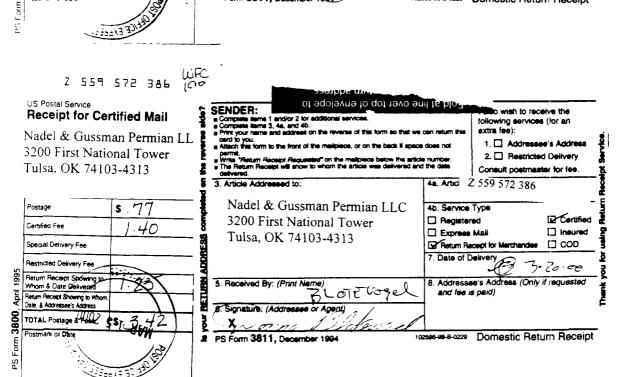
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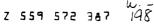
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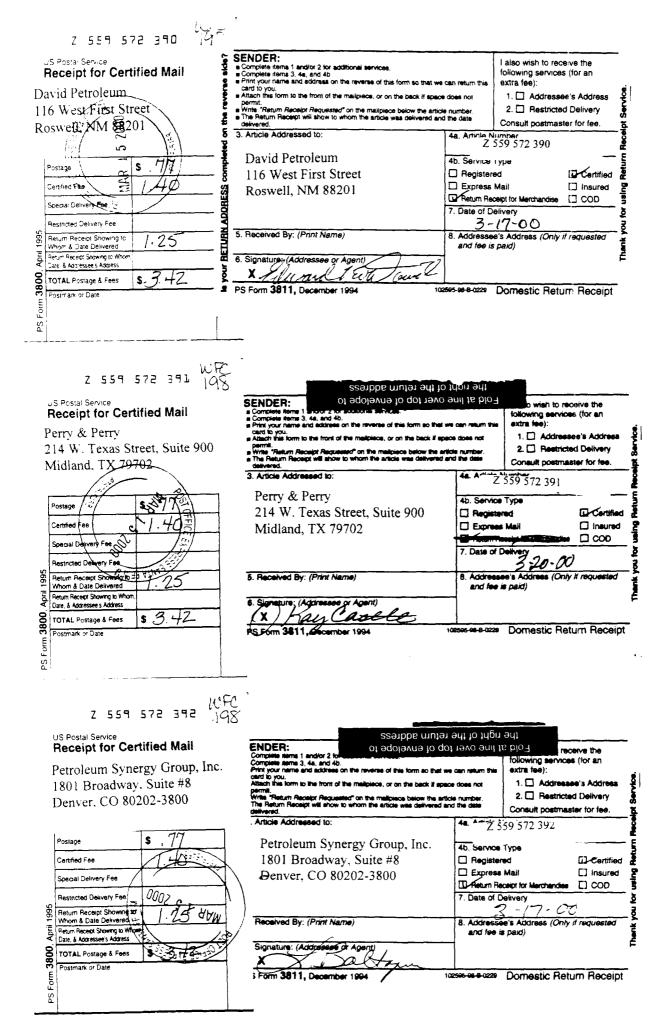
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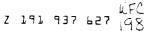
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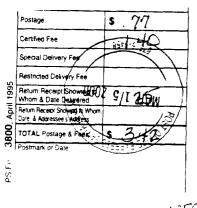
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Ameristate Oil & Gas, Inc. 211 Ranch Road 620 South Austin. TX 78734



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US Postal Service Receipt for Certified Mail

Nearburg Exploration Company P.O. Box 841585 Dallas. TX 75284-1585



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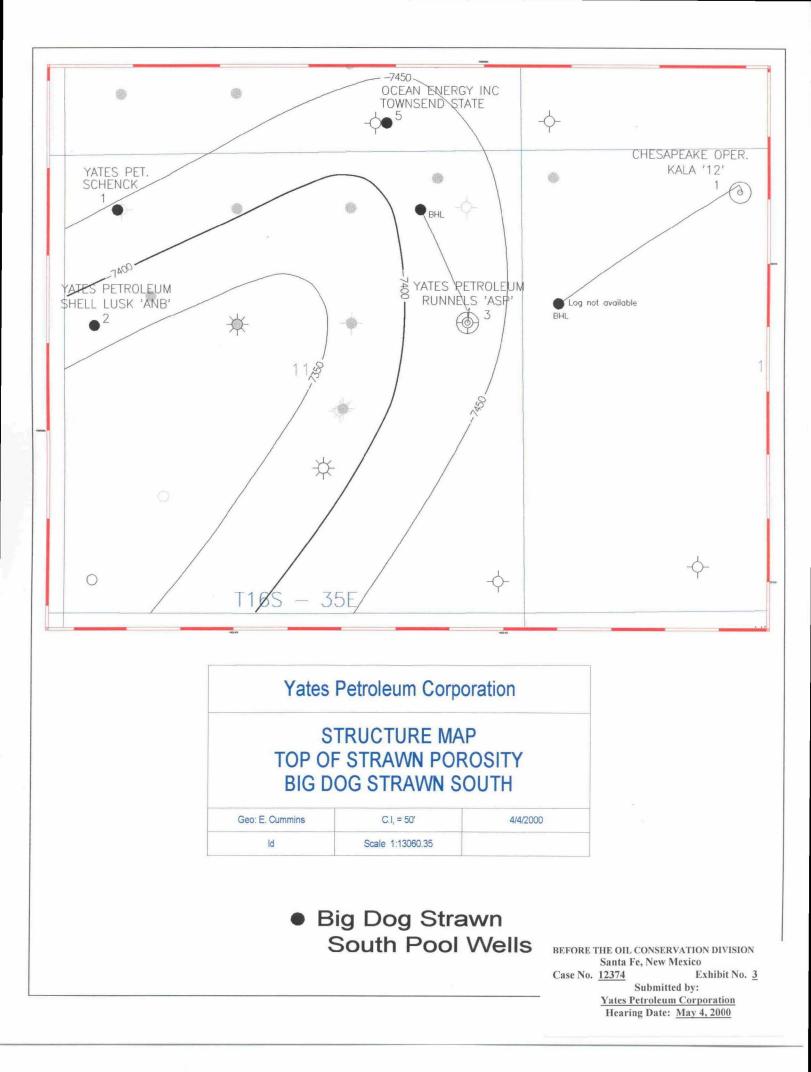
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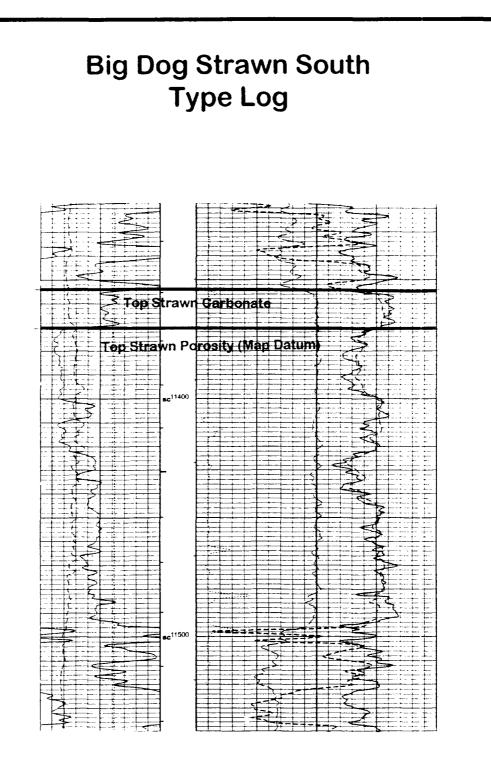
# Receipt for Certified Mail

Sinclair Oil Corporation 550 East South Temple P.O. Box 30825 Salt Lake City, UT 84130-0825

:	Postage	0.77
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.0	Restricted Delivery	STAL
April 1995	Return Receipt Showing to Whom & Date Deliver	1.25
	Return Receipt Showing to Minan, Cate, & Addressee's Address	
Ő	TOTAL Postage & Fees	\$ 3.42
PS Form <b>3800</b> ,	Postmark or Date	
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SENDER: Complete items 1- and/or 2 for additional services. Complete items 3. 4a, and 4b. Print your name and address on the reverse of this form so t card to you. A ttach this form to the front of the mailpiece, or on the back i permit. Write " <i>Return Receipt Requested</i> " on the mailpiece below th The Return Receipt will show to whom the article was delived delivered.	if space does not le artic e number.	a laiso wish to receive the follow- ing services (for an extra fee):      Definition of the service of the se
3. Article Addressed to:	4a. Article Ni Z 11	imber 91 937 632
Sinclair Oil Corporation	4b. Service T	
550 East South Temple P.O. Box 30825 Salt Lake City, UT 84130-0825	Tetum Rec	eipt for Mananaria St. 200





Yates Petroleum Corporation Shell Lusk "ANB" #2 1950' FNL & 350' FWL Sec. 11-16S-35E

BEFORE THE OIL CONSERVATION DIVISION Santa Fe, New Mexico Case No. <u>12374</u> Exhibit No. <u>4</u> Submitted by:

<u>Yates Petroleum Corporation</u> Hearing Date: <u>May 4, 2000</u>

## **Yates Petroleum Company**

Runnells No. 3 Well

RFL 990110

## SUMMARY OF PVT DATA

### **Reservoir Conditions**

Original Reservoir Pressure	4150	ncia
Reservoir Temperature		psig °F

#### **Pressure-Volume Relations**

Saturation Pressure	3803	psig
Avg Single-Phase Compressibility	23.23	E-6 v/v/psi(6000 to 3803 psig)

## Liquid Phase Data

(at 3803 psig and 173 °F)

Solution Gas/Oil Ratio Density of Reservoir Fluid Relative Oil Volume		scf / bbl of residual oil at 60 °F gm/cc bbl / bbl of residual oil at 60 °F
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### **Reservoir Fluid Viscosity**

0.196 cp at 3803 psig and 173 °F

#### **Separator Test Data**

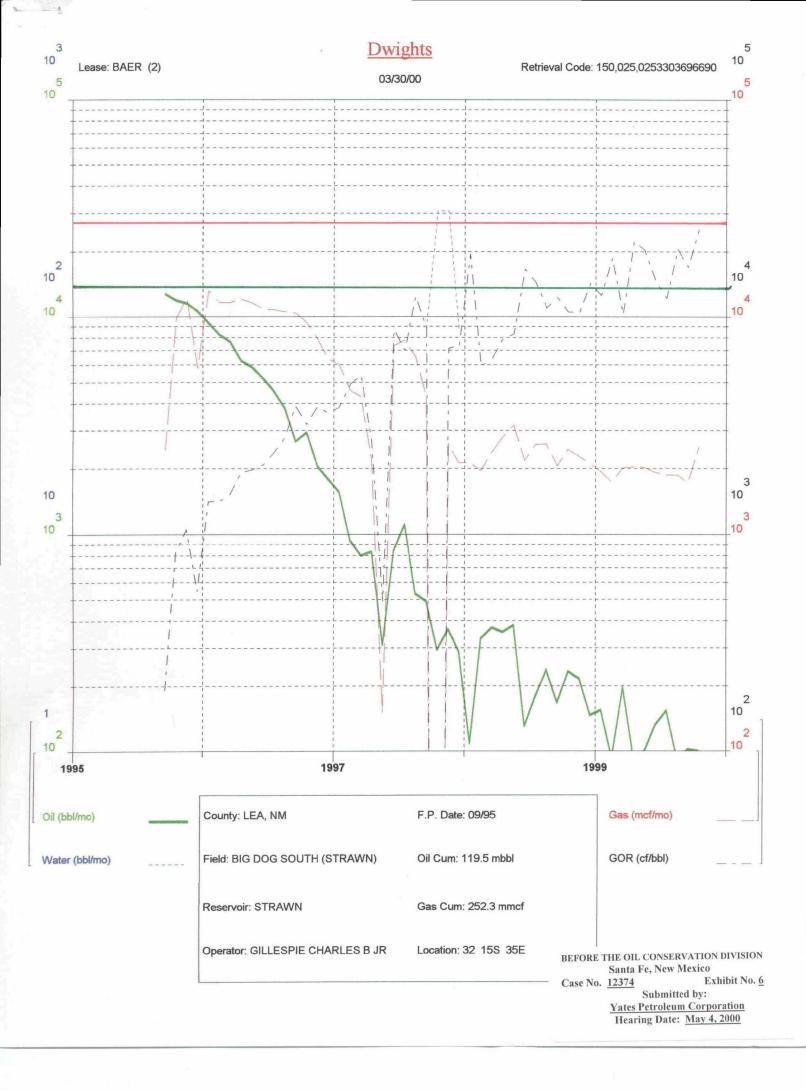
Separator	Conditions	Formation Volume Factor	Total Solution Gas/Oil Ratio	Tank Oil Gravity (°API at 60 °F)
350	70	(A) 2.183	(B) 2,038	45.8

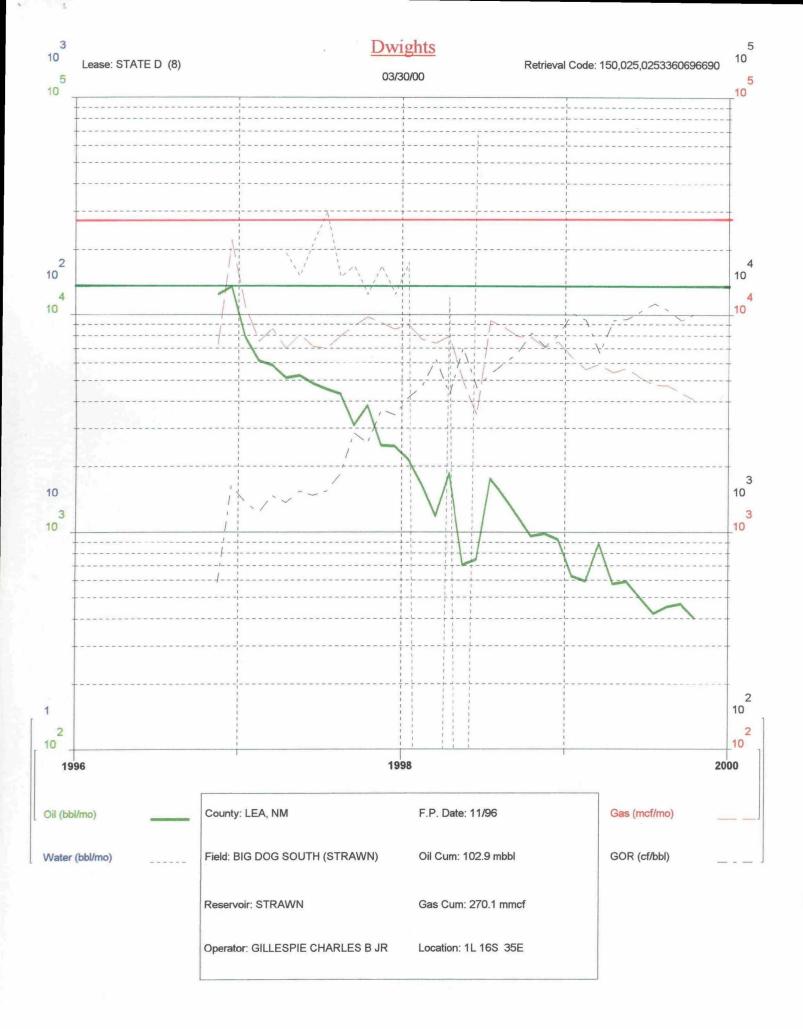
(A) Barrels of oil at 3803 psig and 173  $^\circ F$  per barrel of stock tank oil at 60  $^\circ F.$ 

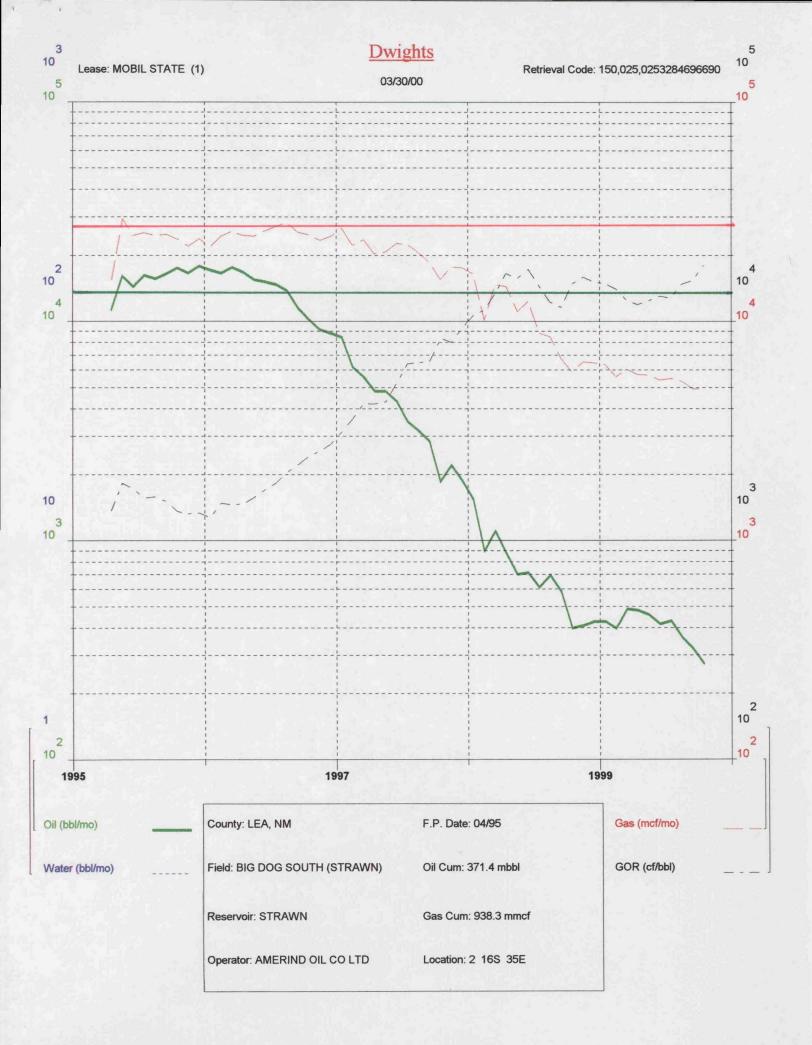
(B) Total standard cubic feet of gas per barrel of stock tank oil at 60 °F.

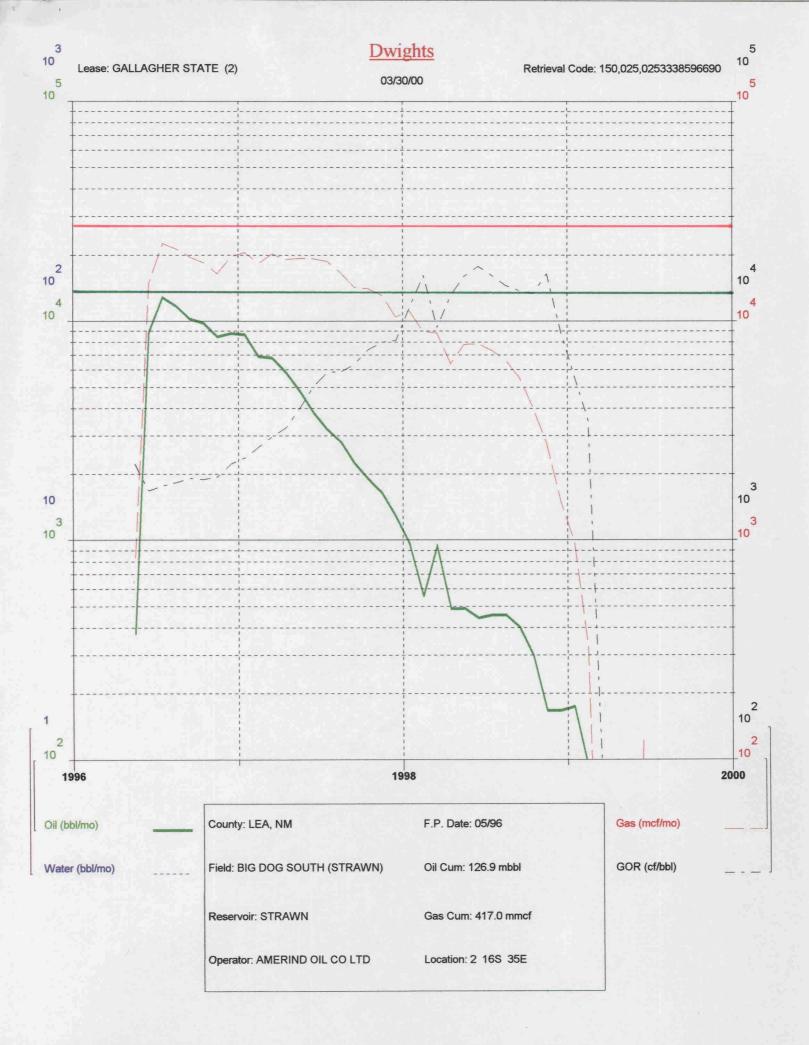
BEFORE THE OIL CONSERVATION DIVISION Santa Fe, New Mexico Case No. <u>12374</u> Exhibit No. <u>5</u> Submitted by: <u>Yates Petroleum Corporation</u> Hearing Date: <u>May 4, 2000</u>

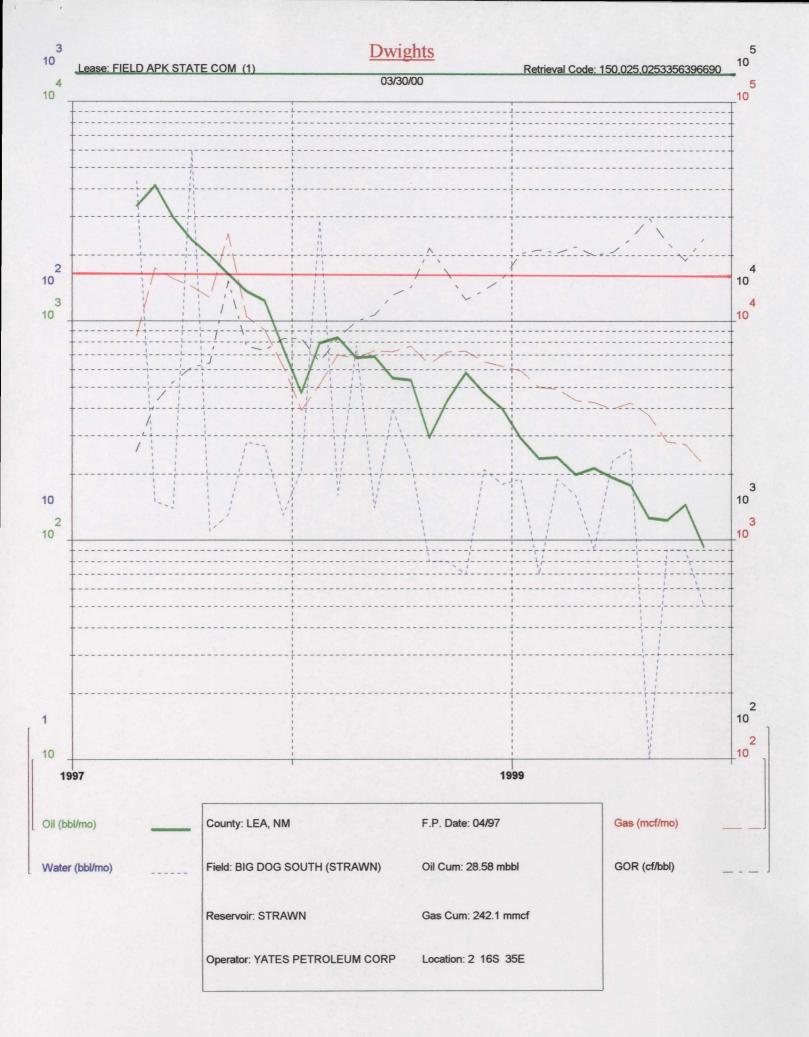
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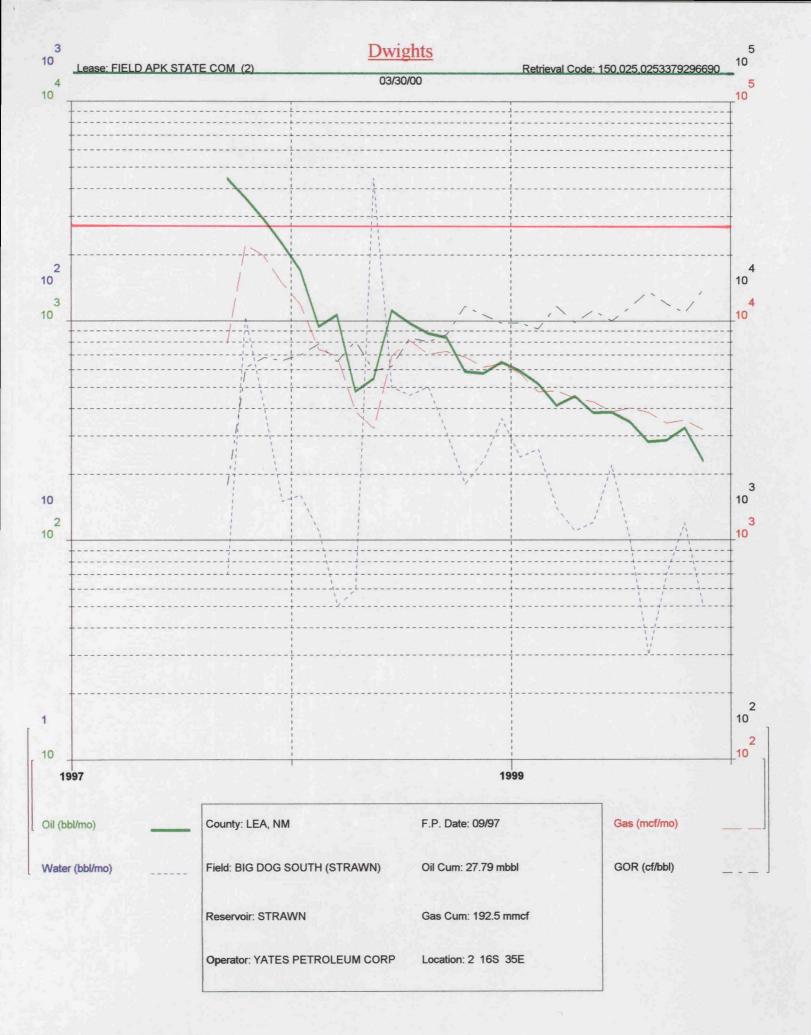


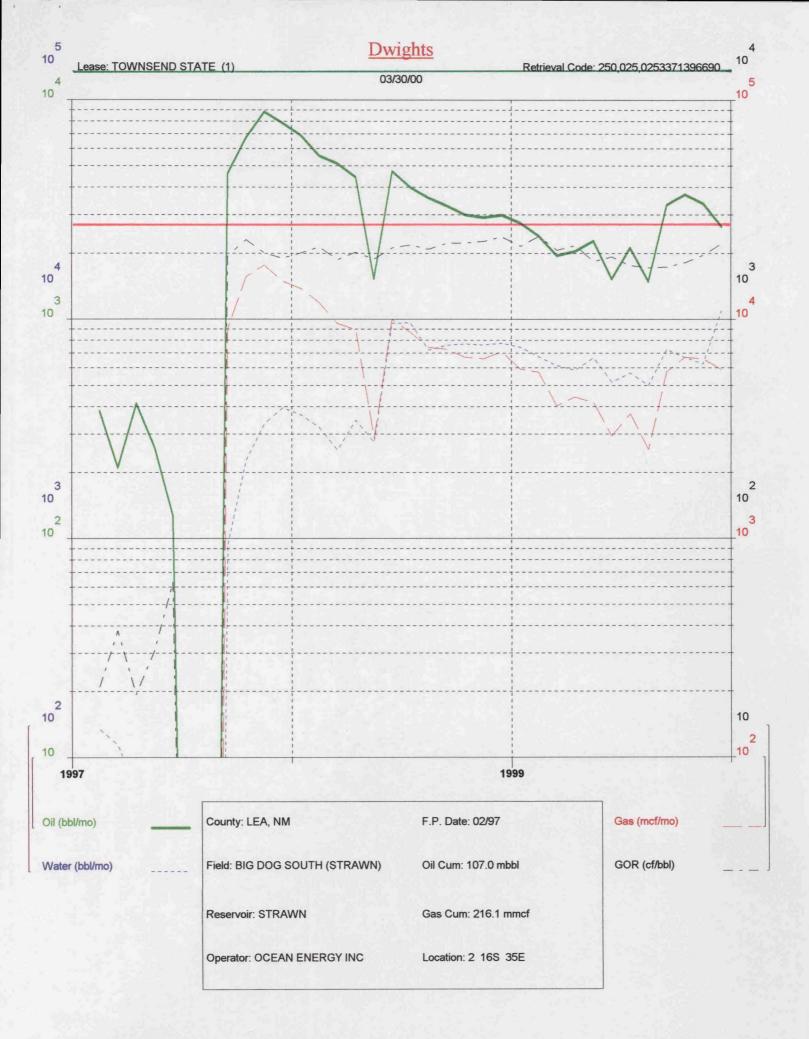


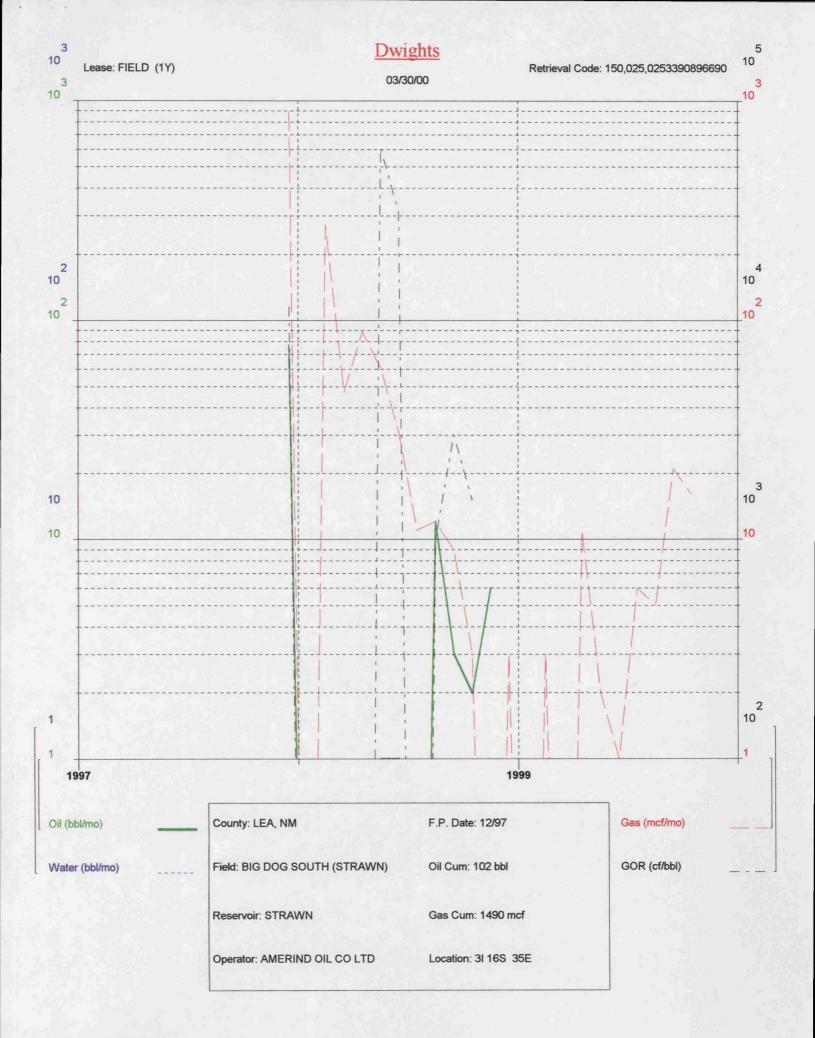


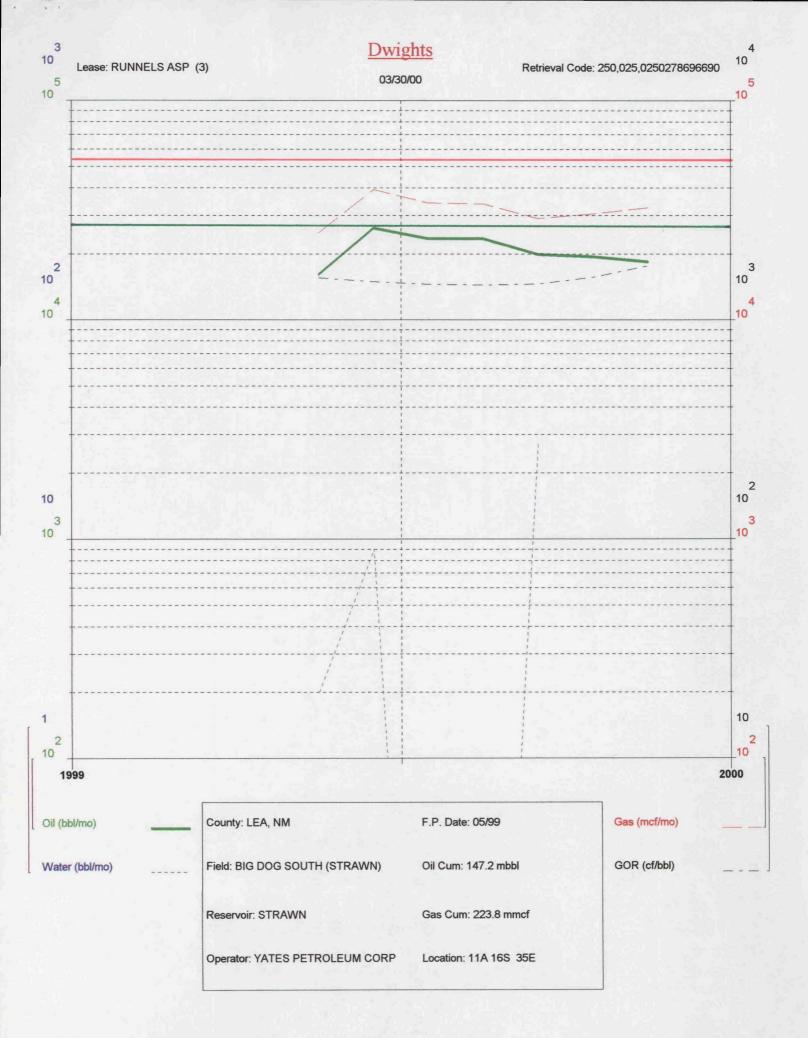


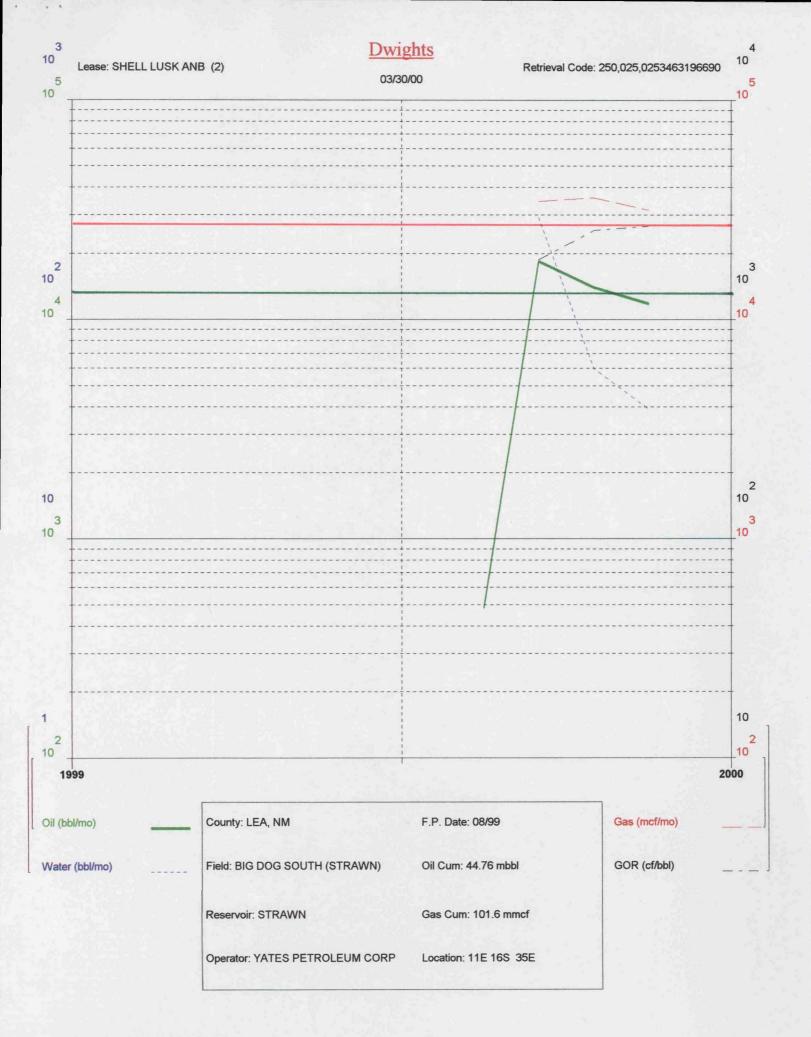


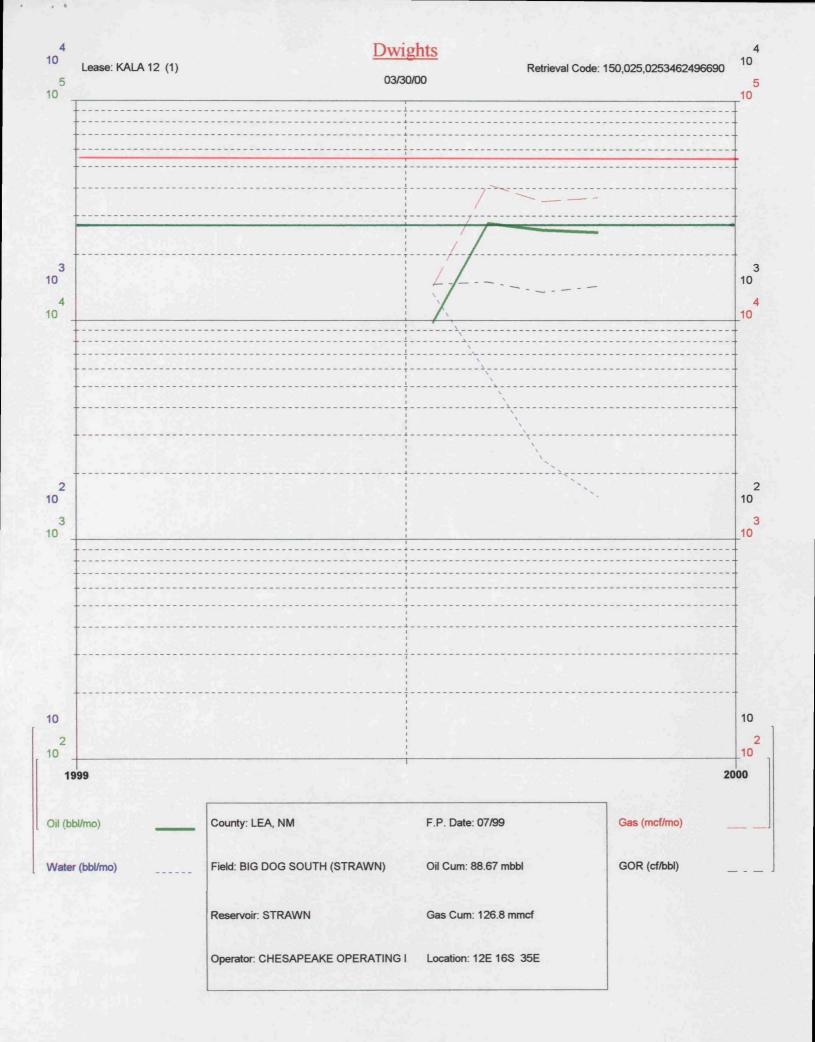


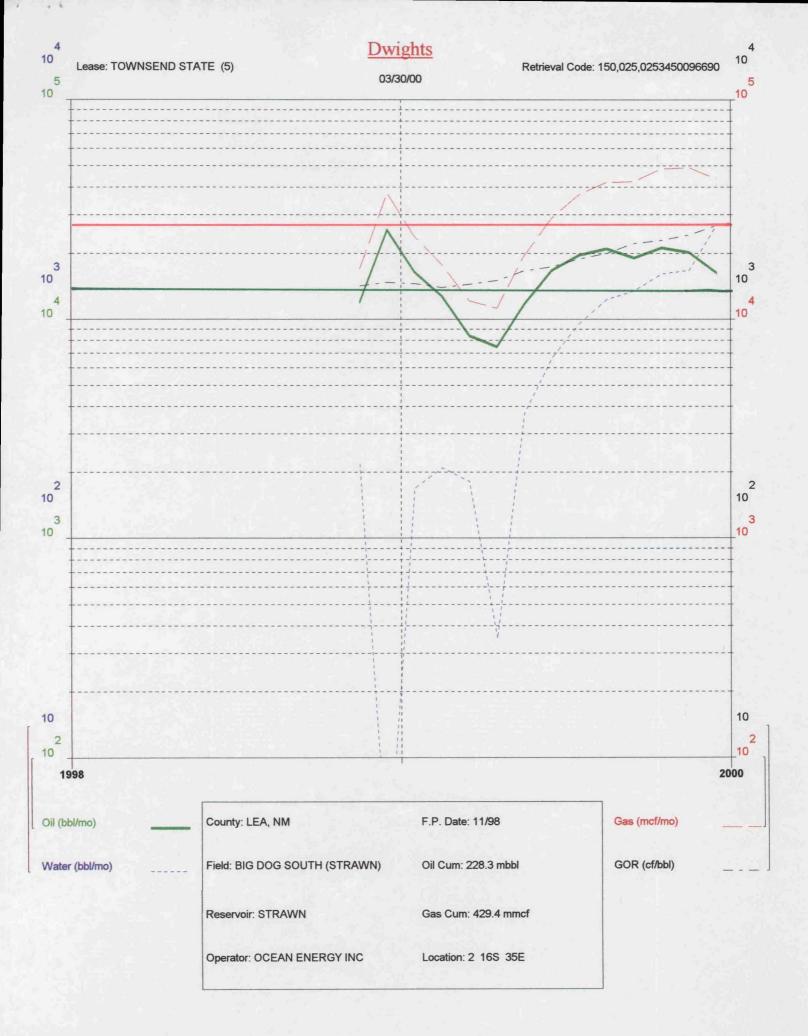














# NEW MEXICO ENERGY, MINERALS & NATURAL RESOURCES DEPARTMENT

Jennifer A. Salisbury CABINET BECRETARY

OIL CONSERVATION DIVISION



MAR 1 5 2000

CAMPBELL, CARR, et. al.

Ocean Energy, Inc. ATT: Scott M. Webb 1670 Broadway Suite 2800

Denver, CO 80202

March 13, 2000

RE: Townsend State, 5-W Sec. 2-T16S-R35E Overproduction

It has come to our attention that the above referenced well has been overproduced since the onset of the initial allowable for this well 11-10-98. The amount of overproduction has come to over 54,000 barrels of oil. The allowable limit for the Big Dog Strawn, South Pool is 445 barrels of oil per day. As for the initial test on this well it exceeded the limit in the amount of 90 barrels.

Effective immediately this well will be shut-in until it can be brought back on to be in compliance with the regulations for the Big Dog Strawn, South Pool. Please contact District I Supervisor, Chris Williams, if you have any questions in reference to this matter at (505) 393-6161 Ext. 102.

Yours very truly,

OIL CONSERVATION DIVISION

Chris Williams

Chris Williams District I, Supervisor

CW:nm

CC: Campbell, Carr, Berge & Sheridan, P.A. Representing David Petroleum

> BEFORE THE OIL CONSERVATION DIVISION Santa Fe, New Mexico Case No. <u>12374</u> Exhibit No. <u>7</u> Submitted by: <u>Yates Petroleum Corporation</u> Hearing Date: <u>May 4, 2000</u>