## STATE OF NEW MEXICO ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT OIL CONSERVATION COMMISSION

IN THE MATTER OF THE HEARING CALLED BY THE OIL CONSERVATION DIVISION FOR THE PURPOSE OF CONSIDERING:

APPLICATION OF SAPIENT ENERGY CORP. FOR AN UNORTHODOX WELL LOCATION AND (i) TWO NON-STANDARD 160-ACRE SPACING UNITS, OR IN THE ALTERNATIVE (ii) ONE NON-STANDARD 160-ACRE SPACING AND PRORATION UNIT, LEA COUNTY, NEW MEXICO.

**CASE NO. 12587** 

APPLICATION OF SAPIENT ENERGY CORP. FOR SPECIAL POOL RULES, LEA COUNTY, NEW MEXICO.

**CASE NO. 12605** 

# SUPPLEMENTAL CONSOLIDATED PRE-HEARING STATEMENT OF CHEVRON U.S.A. PRODUCTION COMPANY AND CONOCO, INC.

This Supplemental Consolidated Pre-hearing Statement is submitted by Holland & Hart LLP and Campbell & Carr, as required by the Rule 1208.B of the Rules of the Oil Conservation Division.

## APPEARANCES OF PARTIES

**APPLICANT:** 

**ATTORNEY:** 

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#### **OPPOSITION PARTIES:**

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#### **ATTORNEYS:**

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#### **OTHER PARTIES:**

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#### **ATTORNEY:**

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## **SUPPLEMENTAL STATEMENT OF CASE**

In the Pre-Hearing Statement and exhibits filed by Sapient in these cases on November 1, 2001, Sapient presented a new calculated drainage area for its Bertha J. Barber Well No. 12 ("Barber Well") reducing the drainage area for the well to approximately 60 acres. Upon this new drainage calculation it rests its case in support of 80-acre well spacing for the West Monument-Tubb Gas Pool.

On November 1, 2001 Chevron U.S.A. Production Company and Conoco, Inc., also filed a Consolidated Pre-Hearing Statement and exhibits in these cases. Since that time, Chevron has recompleted its G. C. Matthews Well No. 12 ("Matthews Well") located 330 feet from the South line and 990 feet from the East line of Section 6, Township 20 South, Range 37 East, NMPM and, from this well obtained additional information on the Tubb Reservoir in the subject area. Chevron and Conoco have revised certain exhibits to incorporate this new information and have prepared additional exhibits which they will present at the December 4, 2001, Oil Conservation Commission hearing on the applications of Sapient.

The information obtained from the Matthews Well confirms the earlier drainage calculations of Chevron and Conoco. It shows that by using the correct pressure and porosity data on the reservoir, the Barber Well will drain approximately 165 acres. Furthermore, the data shows that the Barber well has already drained the to the Matthews Well located over 700 feet away. This new data confirms Chevron's and Conoco's geological and engineering interpretation of the reservoir at the time the case was heard by the Division; that the Barber well is in a gas reservoir and that it drains a large area. It shows that Sapient's data is manipulated for one purpose -- to enable it to keep the production it illegally produced from the Barber Well and drained from its offsetting operators.

### **ADDITIONAL EXHIBITS**

Chevron and Conoco will present the following additional or revised exhibits as part of their case in chief:

#### Tim Denny:

<u>Chevron and Conoco Exhibit 3 (REVISED):</u> This Cross-Section shows the Tubb structure and correlative interval and the gas-oil contact in the Tubb Reservoir. This exhibit has been revised to include information from the Matthews Well.

<u>Chevron and Conoco Exhibit No. 4 (REVISED):</u> This is a structure map on the top of the Tubb formation. This exhibit depicts the Northwest-southeast trending high through Section 6 and shows the gas-oil contact in the reservoir (based on the lowest perforations in the Barber No. 12 Well). The Chevron and Conoco acreage in this geologic structure is being drained by the Barber Well. This exhibit has been revised to include information from the Matthews Well.

<u>Chevron and Conoco Exhibit No. 5 (REVISED)</u>: This is an Isopach Map of the correlative interval in the Barber Well. It shows that the reservoir quality exists in the N/2 of Section 7 in the Tubb formation and that the Chevron and Conoco acreage and contributes production to the Barber Well. This exhibit has been revised to include information from the Matthews Well.

<u>Chevron and Conoco Exhibit No. 11</u> is a log plot with side wall core information which confirms the porosity figures utilized by Chevron and Conoco in calculating the drainage area for wells in the subject area.

<u>Chevron and Conoco Exhibit No. 12</u> is a comparison of porosities in the Barber No. 12 Well and the Matthews Well.

#### Rob Lowe:

<u>Chevron and Conoco Exhibit No. 6 (REVISED):</u> This is a decline plot for the Barber well showing its historic production and the gas volumes produced from the well. This Exhibit has been revised based on new data from the Matthews Well.

Chevron and Conoco Exhibit No. 8 (REVISED): This exhibit presents volumetrics and decline curve analyses for the Barber Well. It sets out the reservoir parameters used to calculate initial gas in place. It shows that the Chevron and Conoco Acreage is being drained by the Barber Well for with an estimated ultimate recovery from the well of 1.6706BCF, the drainage radius for the well is 1513 feet and the drainage area is 165 acres. This exhibit has been revised based on new data from the Matthews Well.

<u>Chevron and Conoco Exhibit No. 13</u> is a determination of the initial pressure gradients for the Monument Tubb Oil Pool.

<u>Chevron and Conoco Exhibit No. 14</u> is a material balance method of determining estimated ultimate recovery for the Barber Well.

William F. Oarr

#### **CERTIFICATE OF SERVICE**

I hereby certify that on this 29th day of November, 2001, I have caused to be hand-delivered a copy of this Supplemental Consolidated Pre-Hearing Statement in the above-captioned case to the following counsel of record:

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