

**STATE OF NEW MEXICO  
ENERGY, MINERALS, AND NATURAL RESOURCES DEPARTMENT  
OIL CONSERVATION DIVISION**

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

**CASE NO. 11555  
Order No. R-10630**

**APPLICATION OF AMOCO PRODUCTION  
COMPANY FOR QUALIFICATION OF A  
WELL WORKOVER PROJECT AND  
CERTIFICATION OF APPROVAL, SAN  
JUAN COUNTY, NEW MEXICO.**

**ORDER OF THE DIVISION**

**BY THE DIVISION:**

This cause came on for hearing at 8:15 a.m. on June 27, 1996, at Santa Fe, New Mexico, before Examiner David R. Catanach.

NOW, on this 29th day of July, 1996, the Division Director, having considered the record and the recommendations of the Examiner, and being fully advised in the premises,

**FINDS THAT:**

(1) Due public notice having been given as required by law, the Division has jurisdiction of this cause and the subject matter thereof.

(2) Case Nos. 11555, 11556, 11557, 11558, 11559 and 11560 were consolidated at the time of the hearing for the purpose of testimony.

(3) Pursuant to the directives contained within the "Natural Gas and Crude Oil Production Incentive Act" (Laws 1995, Chapter 15, Sections 1 through 8), the Division, by Order No. R-10505 dated November 9, 1995, promulgated Division Rule No. 713, Qualification of Well Workover Projects and Certification for the Well Workover Incentive Tax Rate.

(4) Pursuant to Division Rule No. 713, Amoco Production Company (Amoco) filed a Division Form C-140 (Application for Qualification of Well Workover Project and Certification of Approval) with the Aztec district office of the Division on April 25, 1996, for its Canyon Well No. 5 (API No. 30-045-21315) located 800 feet from the South line and 1840 feet from the East line (Unit O) of Section 3, Township 25 North, Range 11 West, NMPM, San Juan County, New Mexico.

(5) By letter dated May 10, 1996, the supervisor of the Division's Aztec district office denied Amoco's Form C-140 on the basis that its method of determining the well's future rate of production, as required by Rule No. 713.D.(6)(b)(v), was not acceptable.

(6) The applicant, Amoco Production Company, pursuant to the appeal provisions contained within Division Rule No. 713, seeks approval of its Form C-140 and a determination by the Division that its proposed "straight line method" of determining future rate of production from the Canyon Well No. 5, described as follows, is reasonable and should be accepted:

***Straight line method*** - monthly production from the well during the twelve (12) month period preceding the well workover will be averaged and this average producing rate will then be utilized as the well's future rate of production.

(7) With regards to determining future rates of production, Division Rule No. 713.D.(6)(b)(v) currently requires:

"a decline curve, or other acceptable method, specifying producing interval(s), and monthly tabulated estimate of the production rate of natural gas and oil from the well, based on at least (12) months of established production, which shows the future rate of production based on well performance prior to performing the workover."

(8) Typically, future rates of production have been based upon decline curve forecasts.

(9) The evidence and testimony presented by the applicant indicates that the benefits of utilizing the straight line method for determining future rate of production are as follows:

- a) less subjective than forecasts based upon decline curves;
- b) calculations are relatively simple for the operator and are easily verified by the Division;
- c) reduces the technical and administrative burden on the operator, the Division and the New Mexico Department of Taxation & Revenue; and,

d) easy to manage in dual tax rate accounting.

(10) Further evidence and testimony indicates that in the vast majority of cases, the future rate of production as determined by the straight line method will be higher than that obtained by decline curve forecast, so that the operator, in exchange for reduced technical and administrative burden, will be relinquishing the reduced tax rate on some amount of its production.

(11) The proposed straight line method, provided it is based upon accurate and reliable production data, represents a reasonable and acceptable method of determining future rate of production pursuant to Division Rule No. 713.

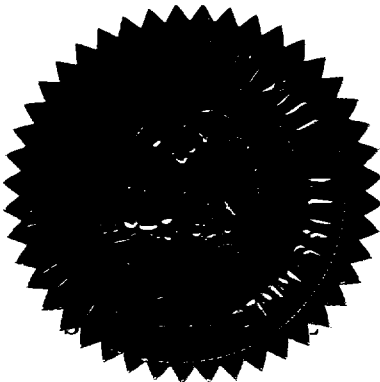
(12) Applicant's Division Form C-140 for the Canyon Well No. 5 should be approved, and the well's future rate of production as determined by the straight line method should be accepted.

**IT IS THEREFORE ORDERED THAT:**

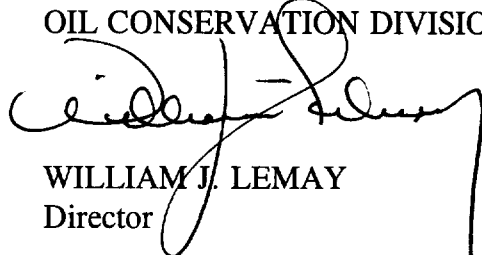
(1) Division Form C-140 for Amoco Production Company's Canyon Well No. 5 (API No. 30-045-21315) located 800 feet from the South line and 1840 feet from the East line (Unit O) of Section 3, Township 25 North, Range 11 West, NMPM, San Juan County, New Mexico, including applicant's method of obtaining future rate of production, is hereby approved.

(2) Jurisdiction of this cause is retained for the entry of such further orders as the Division may deem necessary.

DONE at Santa Fe, New Mexico, on the day and year hereinabove designated.



STATE OF NEW MEXICO  
OIL CONSERVATION DIVISION

  
WILLIAM J. LEMAY  
Director