



STATE OF NEW MEXICO  
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT  
OIL CONSERVATION DIVISION  
HOBBS DISTRICT OFFICE

February 26, 1998

POST OFFICE BOX 1980  
HOBBS, NEW MEXICO 88241-1980  
(505) 383-6161

Conoco Inc.  
10 Desta Drive, Ste 100W  
Midland, TX 79705

Attn: Jimmy Carlisle

RE: WARREN UNIT BLINEBRY TUBB WF #75  
UNIT K, S34-T20S-R38E

Dear Sir:

According to your BLM sundry dated January 26, 1998, describing the acidizing and testing performed on the above well, this well is not in compliance with R-6906B. Per this order, you have been approved for injection into the Blinebry-Tubb pool only. As stated on the sundry, the packer has been set at 5508'. Please note that the top of the Blinebry is 5799 and the top of the Glorieta is 5390. You have not been approved for injection into the Glorieta formation.

Please submit corrected information showing all changes performed to the wellbore to bring the well in compliance to the above order.

Enclosed for your information is a copy of order R-6906B and sundry dated 1/26/98.

Sincerely,

A handwritten signature in cursive script that reads "Chris Williams".

CHRIS WILLIAMS  
District I Supervisor

/sad

Enclosures

cc: David Catanach  
✓file

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

N.M. Oil Cons

P.O. # 1980

Hobbs, NM 88241

FORM APPROVED

Budget Bureau No. 1004-0135

Expires March 31, 1993

Lease Designation and Serial No

LC 063458

6 If Indian, Allottee or Tribe Name

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.  
Use "APPLICATION FOR PERMIT -" for such proposals

7 If Unit or CA Agreement Designation

SUBMIT IN TRIPLICATE

1 Type of Well:

☐ Oil Well ☐ Gas Well ☒ INJECTION  
Other

8 V

Warren Unit Blin/Tubb WF  
Well #75

2 Name of Operator

CONOCO, INC.

3 Address and telephone No

10 Desta Dr., Suite 100W, Midland, Texas 79705-4500, 915 686-5424 915 684-6381

9 /

30 025 26312

4 Location of Well (Footage, Sec., T., R., M., or Survey Description)

Surface: 1980 FSL & 1980' FWL  
TD: Sec 34, T20S, R38E, Unit Letter K

10 Field and Pool or Exploratory Area  
Warren Blinbry Tubb Oil & Gas

11 County or Parish State

Lea, NM

12 CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

☐ Notice of Intent  
☒ Subsequent Report  
☐ Final Abandonment Notice

TYPE OF ACTION

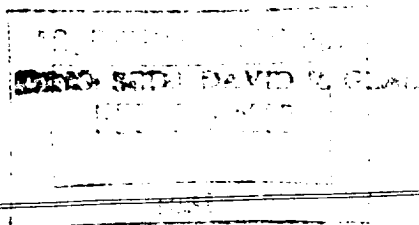
☐ Abandonment  
☐ Recompletion  
☐ Plugging Back  
☐ Casing Repair  
☐ Altering Casing  
☒ CO<sub>2</sub> acidize & test

☐ Change of Plans  
☐ New Construction  
☐ Non-Routine Fracturing  
☐ Water Shut-Off  
☐ Conversion to Injection  
☐ Dispose Water

(Note: Report results of multiple completion on Well  
Completion or Recompletion Report and Log form.)

13 Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

11-18-97: Rigged up - SION.  
11-19-97: Open well up, NDWH, NU-BOP, release pkr. TOOH w/pkr. RIH w/bit, tagged @ 5814', pumped to get circulation. Well loaded. SION.  
11-20-97: Tagged fill, cleanout out to 5960', circulated clean. Laid down swivel. POOH w/tbg, laid down bit, SION.  
11-21-97: Rigged up hydrostatic, RIH & tested pkr & tbg, POOH w/ tbg, RIH w/tbg & pkr set @ 5677', tail pipe @ 5809'. SION.  
11-24-97: RU B. J. - acidized well. Unset pkr, POOH laying dwn 2 7/8" ws. RIH w/pkr & prod. tbg. SION.  
11-25-97: Wait on pkr fluid, circulate pkr fluid, latch onto pkr, ND BOP, NUWH, ran 30 min chart. Clean location & rig down. Tubing @ 5491', 5 1/2" pkr @ 5508'. Well back in operation. Chart attached.



14 I hereby certify that the foregoing is true and correct.

Signed

Title

Ann E. Ritchie  
REGULATORY AGENT

Date 1-26-98

(This space for Federal or State office use)

Title

Date

Approved by  
Conditions of approval, if any

Penalty: U.S.C. Section 1001 makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

\*See Instruction on Reverse Side

E  
B

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. 10220  
Order No. R-6906-B

APPLICATION OF CONOCO INC. FOR  
EXPANSION AND REDESIGNATION OF A  
WATERFLOOD PROJECT, LEA COUNTY,  
NEW MEXICO.

ORDER OF THE DIVISION

BY THE DIVISION:

This cause came on for hearing at 8:15 a.m. on January 24, 1991, at Santa Fe, New Mexico, before Examiner Jim Morrow.

NOW, on this 15th day of March, 1991, the Division Director, having considered the testimony, 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) The applicant, Conoco Inc., seeks to amend Division Order No. R-6906 by expanding, contracting and redesignating its Conoco-Southland Blinebry Cooperative Waterflood Project, extend the vertical limits and to include additional injection wells into said project, Lea County, New Mexico. Applicant, in the above-styled cause, seeks to amend Division Order No. R-6906, which authorized the Conoco-Southland Blinebry Cooperative Waterflood Project by the injection of water into the Blinebry Oil and Gas Pool through nine wells located in Sections 33 and 34, Township 20 South, Range 38 East and in Sections 3 and 4, Township 21 South, Range 38 East, NMPM, Lea County, New Mexico. Applicant proposes to redesignate said project and reestablish its area to include the S/2 S/2 of Section 22, all of Sections 26, 27, 33, and 34, and the N/2 N/2 of Section 35, Township 20 South, Range 38 East. Applicant also seeks to extend the vertical limits of said project to include both the Blinebry and Tubb formations. Further, the addition of 20 injection wells into said project area will be considered.

(11) At the hearing, applicant requested approval for 21 additional wells to be used for injection bringing the total in the project to 28. Seven will be newly drilled wells and 14 will be converted producing wells. Average injection rate would be approximately 500 barrels per well per day at an average pressure of 1700 psi. Maximum injection rate would be 700 barrels at maximum pressure of 2000 psi.

(12) Source water for injection will be sewage effluent from the City of Hobbs.

(13) Applicant submitted data on the proposed injection wells, water wells in the area, and all wells (including plugged wells) within 1/2 mile of the proposed injection which penetrate the zone of interest. This data shows that wells in the area are cased and plugged so as to protect fresh water and prevent fluid migration from the injection zone, and includes a statement indicating no evidence of open faults or any other hydrologic connection between the injection zone and the fresh water resources in the area.

(14) The proposed injection interval would be from the top of the Blinebry (75 feet above the Blinebry marker) down to the base of the Tubb formation (top of the Drinkard). These vertical limits are identified in the Conoco-Warren Unit Well No. 37, located in Unit J, Section 27, Township 20 South, Range 38 East, with the Blinebry top at 5,865 feet and the Tubb base at 6,741 feet. This is an overall interval of 876 feet.

(15) Testimony and exhibits submitted by applicant's witness indicates that plastic coated tubing set in packers will be used in all injection wells with packers set within 100 feet of the top perforations. Injection profiles will be run and the annular space will be monitored in each injection well.

(16) The injection wells or injection pressurization system should be so equipped as to limit injection pressure at the wellhead to no more than 0.2 psi per foot of depth from the surface to the top injection perforation in any injection well, but the Division Director should have authority to increase the pressure limitation upon a proper showing that a pressure increase would not result in the fracturing of the injection formation or confining strata.

(17) Prior to initiating injection into any of the injection wells, the applicant should be required to pressure test the casing in each of the proposed injection wells from the surface to the proposed packer-setting depth to assure the integrity of said casing.

(18) The operator should give advance notification to the Supervisor of the Hobbs district office of the Division of the date and time of the installation of injection equipment and of the mechanical integrity pressure test in order that the same may be witnessed.

(6) Injection into each of said wells shall be through plastic or cement-lined tubing set in a packer which shall be located as near as practicable to the uppermost perforations, or, in the case of open hole completions, as near as practicable to the casing-shoe; the casing-tubing annulus shall be loaded with an inert fluid and equipped with an approved pressure gauge or attention-attracting leak-detection device.

(7) Prior to initiating injection into any of the injection wells herein authorized, the applicant shall pressure-test the casing in each of the proposed injection wells from the surface to the proposed packer setting depth to assure the integrity of said casing.

(8) The applicant shall notify the supervisor of the Hobbs district office of the Division prior to conducting any casing pressure-test on any injection well shown on Exhibit "A".

(9) The applicant shall immediately notify the Supervisor of the Hobbs district office of the Division of the failure of the tubing or packer in any of the injection wells, the leakage of water or oil from or around any producing well, or the leakage of water or oil from any plugged and abandoned well within the project area, and shall take such timely steps as may be necessary or required to correct such failure or leakage.

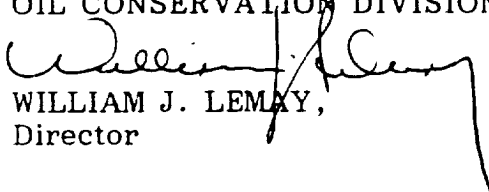
(10) Monthly progress reports of the waterflood project herein authorized shall be submitted to the Division in accordance with Rules 704 and 1120 of the Division Rules and Regulations.

(11) This order is being approved concurrently with Order No. R-9467 in Case No. 10245 which creates and designates the Warren Blinebry-Tubb Oil and Gas Pool.

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

(13) This order shall become effective on March 1, 1991.

DONE at Santa Fe, New Mexico, on the day and year hereinabove design-

STATE OF NEW MEXICO  
OIL CONSERVATION DIVISION  
  
WILLIAM J. LEMAY,  
Director