



OIL CONSERVATION DIVISION

RECEIVED

Midland Division
Exploration and Production

Conoco Inc.
10 Desta Drive West
Midland, TX 79705-4514
(915) 686-5400

FEB 18 AM 9 35

February 15, 1991

Mr. Jim Morrow
New Mexico Oil Conservation Division
P.O. Box 2088
Santa Fe, NM 87504

Dear Mr. Morrow:

SUBJECT: CASE 10220

Attached are the additional three injection well schematics for the expanded Warren Blinbry-Tubb Waterflood as we discussed on the phone. The plugged well that you asked about, the DeKalb State No. 1 (John H. Hendrix) lies outside the 1/2 mile radius of review within which we were required to furnish schematics of all plugged wells. *sk*

The engineer who has the information on the base of the fresh water aquifer was out of the office this week. I will phone you that information as soon as I can get it. Thank you for your help in this matter.

Very truly yours,

Jerry W. Hoover
Regulatory Coordinator

JWH

Proposed Well Schematic

INJECTION WELL DATA SHEET

Conoco Inc.	Warren Unit
OPERATOR	LEASE

107	1980' FSL & 1980' FWL	33	20S	38E
WELL NO.	FOOTAGE LOCATION	SECTION	TOWNSHIP	RANGE

Schematic

Tubular Data

See Attached

Surface Casing

Size 9-5/8 " Cemented with 1350 sx.

TOC Surface feet determined by circ.

Hole size 12-1/4"

Production Casing

Size 7 " Cemented with 3224 sx.

TOC Surface feet determined by circ.

Hole size 8-3/4"

Total Depth 6900'

Injection interval

5895 feet to 6690 feet

(perforated or open-hole)

Tubing size 2-3/8" lined with plastic coating set in a
(material)

Guiberson UNI-VI Double Grip packer within 100' of top perforation.
(brand and model)

Other Data

- Name of the Injection formation Blinebry/Tubb
- Name of Field or Pool (if applicable) NMFU
- Is this a new well drilled for injection? X Yes No
If no, for what purpose was the well originally drilled?
- Has the well ever been perforated in any other zone(s)?
List all such perforated intervals and give plugging detail (sacks of cement or bridge plug(s) used) No
- Give the depth to and name of any overlying and/or underlying oil or gas zones (pools) in this area. Yates - 2740', Seven Rivers - 2980',
Grayburg - 3860', San Andres - 4220', Glorieta - 5415', Blinebry - 5895',
Tubb - 6390', Drinkard - 6690'.

Proposed Well Schematic

INJECTION WELL DATA SHEET

Conoco Inc.	Warren Unit
OPERATOR	LEASE

108	Unit A	33	20S	38E
WELL NO.	FOOTAGE LOCATION	SECTION	TOWNSHIP	RANGE

Schematic

See Attached

Tubular Data

Surface Casing

Size 9-5/8" Cemented with 1350 sx.
TOC Surface feet determined by circ.
Hole size 12-1/4"

Production Casing

Size 7" Cemented with 3224 sx.
TOC Surface feet determined by circ.
Hole size 8-3/4"
Total Depth 6900'

Injection Interval

5815 feet to 6600 feet
(perforated or open-hole)

Tubing size 2-3/8" lined with plastic coating set in a
(material)

Guiberson UNI-VI Double Grip packer within 100' of top perforation.
(brand and model)

Other Data

- Name of the injection formation Blinebry/Tubb
- Name of Field or Pool (if applicable) NMFU
- Is this a new well drilled for injection? X Yes No
If no, for what purpose was the well originally drilled?
- Has the well ever been perforated in any other zone(s)?
List all such perforated intervals and give plugging detail (sacks of cement or bridge plug(s) used) No
- Give the depth to and name of any overlying and/or underlying oil or gas zones (pools) in this area. Yates - 2705', Seven Rivers - 2960', Grayburg - 3850', San Andres - 4115', Glorieta - 5335', Blinebry - 5815', Tubb - 6310', Drinkard - 6600'.

Proposed Well Schematic

INJECTION WELL DATA SHEET

<u>Conoco Inc.</u>		<u>Warren Unit</u>		
OPERATOR		LEASE		
<u>109</u>	<u>1980' FSL & 660' FEL</u>	<u>34</u>	<u>20S</u>	<u>38E</u>
WELL NO.	FOOTAGE LOCATION	SECTION	TOWNSHIP	RANGE

Schematic

Tubular Data

See Attached

Surface Casing

Size 9-5/8 " Cemented with 1350 sx.
TOC Surface feet determined by circ.
Hole size 12-1/4"

Production Casing

Size 7 " Cemented with 3224 sx.
TOC Surface feet determined by circ.
Hole size 8-3/4"
Total Depth 6900'

Injection interval

5945 feet to 6780 feet
(perforated or open-hole)

Tubing size 2-3/8" lined with plastic coating set in a
(material)

Guiberson UNI-VI Double Grip packer within 100' of top perforation.
(brand and model)

Other Data

- Name of the injection formation Blinebry/Tubb
- Name of Field or Pool (if applicable) NMFU
- Is this a new well drilled for injection? X Yes No
If no, for what purpose was the well originally drilled?
- Has the well ever been perforated in any other zone(s)?
List all such perforated intervals and give plugging detail (sacks of cement or bridge plug(s) used) No
- Give the depth to and name of any overlying and/or underlying oil or gas zones (pools) in this area. Yates - 2825', Seven Rivers - 3100',
Grayburg - 3975', San Andres - 4250', Glorieta - 5350', Blinebry - 5945',
Tubb - 6475', Drinkard - 6780'.

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

BRUCE KING
GOVERNOR

January 11, 1991

POST OFFICE BOX 2098
STATE LAND OFFICE BUILDING
SANTA FE, NEW MEXICO 87504
(505) 827-5800

Conoco, Inc.
10 Desta Drive West
Midland, TX 79705-9982

Attention: Jerry Hoover

*RE: Request for Examiner Hearing, January 24, 1991
for pool creation and the contraction of both the
Blinebry Oil and Gas and Warren Tubb Gas Pool,
Lea County, New Mexico.*

Dear Mr. Hoover:

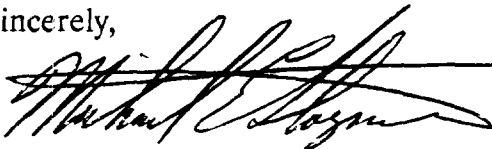
Subsequent to review of your application dated December 21, 1990, discrepancies were found which prevent me from setting the matter to hearing.

In deleting those areas which would form the proposed Warren Blinebry-Tubb Oil and Gas Pool from the two existing pools, non-contiguous blocks would be formed in both existing pools. I have attached land plats to help explain the situation.

Your application did not address this issue or offer a solution to the resulting nomenclature problem.

Should you wish to pursue this matter further, please confer with the Hobbs District Office of the Division for comments and assistance.

Sincerely,



Michael E. Stogner
Chief Hearing Officer/Engineer

MES/ag

cc: Oil Conservation Division - Hobbs (Paul Kautz - Jerry Sexton)

~~File: Case No. 14322~~

STATE OF NEW MEXICO

ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION



BRUCE KING
GOVERNOR

March 18, 1991

POST OFFICE BOX 2088
STATE LAND OFFICE BUILDING
SANTA FE, NEW MEXICO 87504
(505) 827-5800

*KELLAHIN, KELLAHIN & AUBREY
Attorneys at Law
P. O. Drawer 2265
Santa Fe, New Mexico 87504*

*RE: CASE NO. 10220
ORDER NO. R-6906-B*

Dear Sir:

Enclosed herewith are two copies of the above-referenced Division order recently entered in the subject case.

Sincerely,

A handwritten signature in cursive script that reads "Florene Davidson".

*Florene Davidson
OC Staff Specialist*

FD/sl

*cc: Hobbs OCD Office
Artesia OCD Office*



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



BRUCE KING
GOVERNOR

ANITA LOCKWOOD
CABINET SECRETARY

2040 S. PACHECO
SANTA FE, NEW MEXICO 87505
(505) 827-7131

November 21, 1994

Conoco, Inc.
10 Desta Drive, Suite 100W
Midland, Texas 79705-4500

Attn: Mr. Jerry W. Hoover

**RE: *Injection Pressure Increase Warren Blinebry-Tubb Waterflood
Project Lea County, New Mexico***

Dear Mr. Hoover:

Reference is made to your request dated October 6, 1994 to increase the surface injection pressure on 11 wells. This request is based on step rate tests conducted on these wells between July 25 and August 9, 1994. The results of the tests have been reviewed by my staff and we feel an increase in injection pressure on these wells is justified at this time.

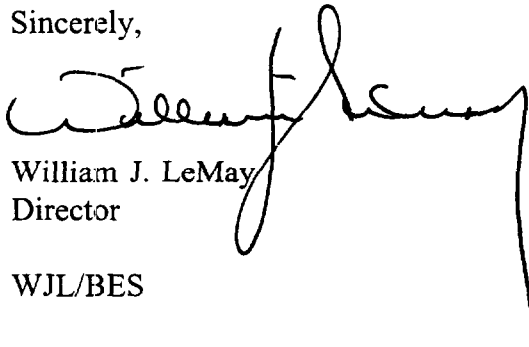
You are therefore authorized to increase the surface injection pressure on the following wells:

Well and Location	Maximum Injection Surface Pressure
Warren Unit Well No.32 Unit P, Section 27,	1670 PSIG
Warren Unit Well No.33 Unit F, Section 27,	1597 PSIG
Warren Unit Well No.37 Unit J, Section 27,	1370 PSIG
Warren Unit Well No.39 Unit B, Section 34,	1210 PSIG

Well and Location	Maximum Injection Surface Pressure
Warren Unit Well No.45 Unit N, Section 26,	1530 PSIG
Warren Unit Well No.48 Unit F, Section 26,	1510 PSIG
Warren Unit Well No.49 Unit J, Section 26,	1670 PSIG
Warren Unit Well No.57 Unit D, Section 26,	1940 PSIG
Warren Unit Well No.59 Unit L, Section 26,	1410 PSIG
Warren Unit Well No.79 Unit D, Section 35,	1510 PSIG
Warren Unit Well No.105 Unit H, Section 27,	1850 PSIG
All wells located in Township 20 South, Range 38 East, Lea County, New Mexico.	

The Division Director may rescind this injection pressure increase if it becomes apparent that the injected water is not being confined to the injection zone or is endangering any fresh water aquifers.

Sincerely,


William J. LeMay
Director

WJL/BES

cc: Oil Conservation Division - Hobbs
File: 4th Quarter PSI-X; Case File No.10220