

Proposed Well Schematic

INJECTION WELL DATA SHEET

Conoco Inc.		Warren Unit	
OPERATOR		LEASE	
70	660' FSL & 660' FEL	22	20S 38E
WELL NO.	FOOTAGE LOCATION	SECTION	TOWNSHIP RANGE

Schematic

Tubular Data

See Attached

Surface Casing

Size 8-5/8" Cemented with 718 sx.
TOC Surface feet determined by circ.
Hole size 12-1/4"

Production Casing

Size 5-1/2" Cemented with 2814 sx.
TOC Surface feet determined by circ.
Hole size 7-7/8"
Total Depth 6400'

Injection Interval

5975 feet to 6256 feet
(perforated or open-hole)

Tubing size 2-3/8" lined with plastic coating set in a
(material)
Baker AD-1 packer within 100' of top perforation.
(brand and model)

Other Data

- Name of the injection formation Blinebry
- Name of Field or Pool (if applicable) NMFU
- Is this a new well drilled for injection? Yes X No
If no, for what purpose was the well originally drilled? Drill and equip Blinebry
- 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 - 2854', Seven Rivers - 3128',
Queen - 3693', Penrose - 3844', Grayburg - 4025', San Andres - 4325'
Glorieta - 5578', Blinebry - 5975'.

TCA/tk/WU#70.IDS

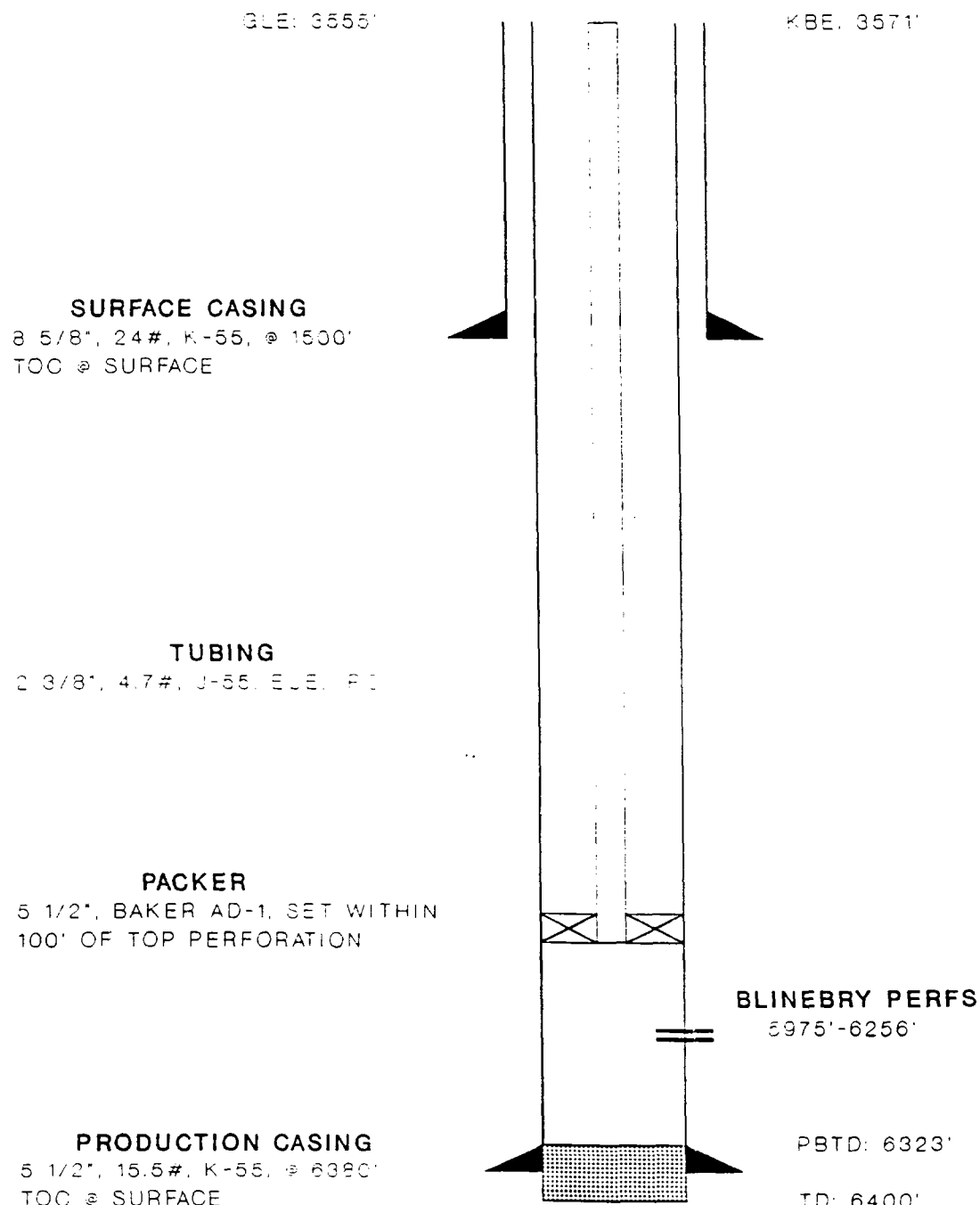
EXHIBIT 14-A

BEFORE EXAMINER STOGNER
OIL CONSERVATION DIVISION
EXHIBIT NO. <u>14-A</u>
CASE NO. <u>10220</u>
Submitted by <u>Conoco Inc.</u>
Hearing Date <u>1-24-91</u>

WELLBORE DIAGRAM

WARREN UNIT NO. 70

NEW MEXICO FEDERAL UNIT



BY: T. O. ADUDELLE

DATE: 12/12/90

Proposed Well Schematic

INJECTION WELL DATA SHEET

Conoco Inc.		Warren Unit		
OPERATOR		LEASE		
56	660' FNL & 1980' FEL	26	20S	38E
WELL NO.	FOOTAGE LOCATION	SECTION	TOWNSHIP	RANGE

Schematic

Tubular Data

See Attached

Surface Casing

Size 9-5/8" Cemented with 600 sx.
TOC Surface feet determined by circ.
Hole size 12-1/4"

Production Casing

Size 7" Cemented with 1700 sx.
TOC 1640 feet determined by temp. survey
Hole size 8-3/4"
Total Depth 6850'

Injection interval

5954 feet to 6796 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? Yes X No
If no, for what purpose was the well originally drilled? Drill and equip Blinebry/Tubb dual
- 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 - 2868', Seven Rivers - 3130',
Queen - 3690', Penrose - 3842', Grayburg - 4033', San Andres - 4323',
Glorieta - 5555', Blinebry - 5954', Tubb - 6511', Drinkard - 6796'

TCA/tk/WU#56.IDS

EXHIBIT 14-B

BEFORE EXAMINER STOGNER OIL CONSERVATION DIVISION
EXHIBIT NO. <u>14-B</u>
CASE NO. <u>10220</u>
Submitted by <u>Conoco Inc.</u>
Hearing Date <u>1-24-91</u>

WELLBORE DIAGRAM

WARREN UNIT NO. 56

NEW MEXICO FEDERAL UNIT

GLE: 3561'

KBE: 3572'

SURFACE CASING

9 5/8", 36#, K-55, @ 1430'
TOC @ SURFACE

TUBING

2 3/8", 4.7#, J-55, EUE, APC

PACKER

7", GUIBERSON UNI-VI, SET WITHIN
100' OF TOP PERFORATION

BLINEBRY/TUBB PERFS

5954'-6796'

PRODUCTION CASING

7", 23 & 26#, K-55, @ 6850'
TOC @ 1640'

PBTD: 6812'

TD: 6850'

BY: T. C. ADUDELL

DATE: 12/14/90

Proposed Well Schematic

INJECTION WELL DATA SHEET

Conoco Inc.		Warren Unit		
OPERATOR		LEASE		
57	660' FNL & 660' FWL	26	20S	38E
WELL NO.	FOOTAGE LOCATION	SECTION	TOWNSHIP	RANGE

Schematic

Tubular Data

See Attached

Surface Casing

Size 9-5/8 " Cemented with 600 sx.
TOC Surface feet determined by circ.
Hole size 12-1/4"

Production Casing

Size 7 " Cemented with 1850 sx.
TOC Surface feet determined by circ.
Hole size 8-3/4"
Total Depth 6820'

Injection Interval

5928 feet to 6773 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

1. Name of the injection formation Blinebry/Tubb
2. Name of Field or Pool (if applicable) NMFU
3. Is this a new well drilled for injection? Yes X No
If no, for what purpose was the well originally drilled? Drill and equip Blinebry/Tubb dual
4. 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
5. Give the depth to and name of any overlying and/or underlying oil or gas zones (pools) in this area. Yates - 2845', Seven Rivers - 3115',
Queen - 3677', Penrose - 3828', Grayburg - 4011', San Andres - 4300'
Glorieta - 5542', Blinebry - 5928', Tubb - 6485', Drinkard - 6773'.

TCA/tk/WU#57.IDS

EXHIBIT 14-C

BEFORE EXAMINER STOGNER
OIL CONSERVATION DIVISION

EXHIBIT NO. 14-C

CASE NO. 10220

Submitted by Conoco Inc

Hearing Date 1-24-91

WELLBORE DIAGRAM

WARREN UNIT NO. 57

NEW MEXICO FEDERAL UNIT

GLE: 3560'

KBE: 3571'

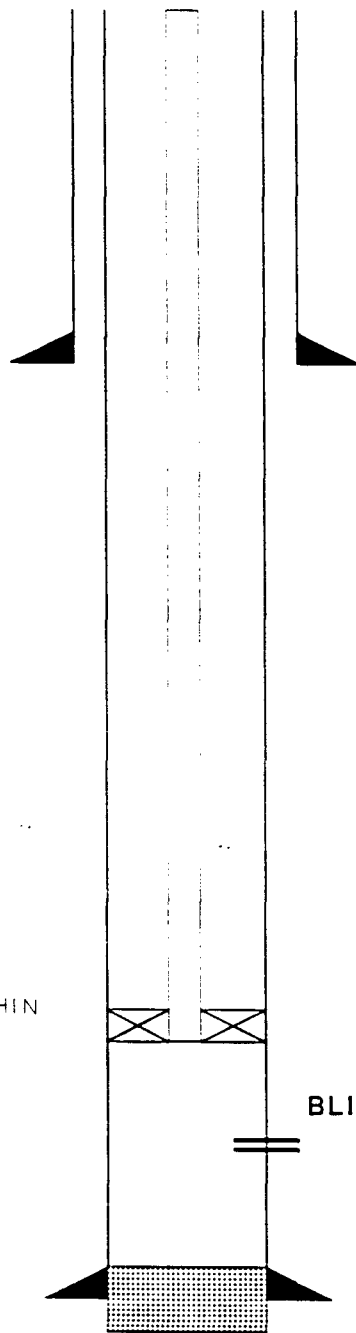
SURFACE CASING
9 5/8", 36#, K-55, @ 1550'
TOC @ SURFACE

TUBING
2 3/8", 47#, J-55, EUE, IPC

PACKER
7", GUIBERSON UNI-VI, SET WITHIN
100' OF TOP PERFORATION

PRODUCTION CASING
7", 23 & 28#, K-55, @ 6820'
TOC @ SURFACE

BY: T. C. ADUDELL



BLINEBRY/TUBB PERFS
5928'-6773'

PBTD: 6790'

TD: 6820'

DATE: 12/14/90

Proposed Well Schematic

INJECTION WELL DATA SHEET

Conoco Inc.		Warren Unit		
OPERATOR		LEASE		
48	2030' FNL & 1980' FWL	26	20S	38E
WELL NO.	FOOTAGE LOCATION	SECTION	TOWNSHIP	RANGE

Schematic

Tubular Data

See Attached

Surface Casing

Size 9-5/8" Cemented with 630 sx.
 TOC Surface feet determined by circ.
 Hole size 12-1/4"

Production Casing

Size 7" Cemented with 2425 sx.
 TOC Surface feet determined by circ.
 Hole size 8-3/4"
 Total Depth 7070'

Injection Interval

5920 feet to 6744 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? Yes X No
 If no, for what purpose was the well originally drilled? Test Drinkard. Drill
and equip Blinebry/Tubb dual.
- 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) Yes. Drinkard 6960'-6969'. CIBP set @ 6900' w/10'
cmt. on top.
- Give the depth to and name of any overlying and/or underlying oil or gas
 zones (pools) in this area. Yates - 2848', Seven Rivers - 3111',
Queen - 3669', Penrose - 3822', Grayburg - 4006', San Andres - 4292'
Glorieta - 5522', Blinebry - 5911', Tubb - 6460', Drinkard - 6744', Abo - 7012'

TCA/1k/WU#48.IDS

EXHIBIT 14-D

BEFORE EXAMINER STOGNER OIL CONSERVATION DIVISION	
EXHIBIT NO. <u>14-D</u>	
CASE NO. <u>10220</u>	
Submitted by <u>Conoco Inc.</u>	
Hearing Date <u>1-24-91</u>	

WELLBORE DIAGRAM

WARREN UNIT NO. 48

NEW MEXICO FEDERAL UNIT

GLE: 3559'

KBE: 3570'

SURFACE CASING

9 5/8", 36#, K-55, @ 1562'
TOC @ SURFACE

TUBING

2 3/8", 4.7#, J-55, EUE, IPC

PACKER

7", GUIBERSON UNI-VI, SET WITHIN
100' OF TOP PERFORATION

BLINEBRY/TUBB PERFS
5920'-6744'

OIBP SET @ 6900'

DRINKARD PERFS
6960'-6969'

PRODUCTION CASING

7", 23#, K-55, @ 7065'
TOC @ SURFACE

PBTD: 6900'

TD: 7070'

BY: T. C. ADUDELLE

DATE: 12/18/90

Proposed Well Schematic

INJECTION WELL DATA SHEET

<u>Conoco Inc.</u>		<u>Warren Unit</u>		
OPERATOR		LEASE		
<u>49</u>	<u>1980' FSL & 1980' FEL</u>	<u>26</u>	<u>20S</u>	<u>38E</u>
WELL NO.	FOOTAGE LOCATION	SECTION	TOWNSHIP	RANGE

Schematic

See Attached

Tubular Data

Surface Casing

Size 9-5/8 " Cemented with 630 sx.
 TOC Surface feet determined by circ.
 Hole size 12-1/4"

Production Casing

Size 7 " Cemented with 2000 sx.
 TOC Surface feet determined by circ.
 Hole size 8-3/4"
 Total Depth 7000'

Injection Interval

5950 feet to 6782 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? Yes X No
 If no, for what purpose was the well originally drilled? Drill and
equip Blinebry/Tubb dual.
- 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 - 2855', Seven Rivers - 3120',
Queen - 3680', Penrose - 3832', Grayburg - 4022', San Andres - 4308'
Glorieta - 5534', Blinebry - 5935', Tubb - 6500', Drinkard - 6782'.

TCA/tk/WU#49.IDS

EXHIBIT 14-E

BEFORE EXAMINED BY OTOGNER	
OIL CONSERVATION DIVISION	
<u>14-E</u>	
CASE NO.	<u>10220</u>
Submitted by	<u>Conoco Inc.</u>
Hearing Date	<u>1-24-91</u>

WELLBORE DIAGRAM

WARREN UNIT NO. 49

NEW MEXICO FEDERAL UNIT

GLE: 3559'

KBE: 3570'

SURFACE CASING

9 5/8", 36#, K-55, @ 1548'
TOO @ SURFACE

TUBING

2 3/8", 4.7#, J-55, EUE, APC

PACKER

7" GUIBERSON UNI-VI, SET WITHIN
100' OF TOP PERFORATION

PRODUCTION CASING

7", 23#, K-55, @ 6857'
TOO @ SURFACE

BY: T. C. ADUDELL

BLINEBRY/TUBB PERFS
5950'-6782'

PBTD: 6900'

TD: 7000'

DATE: 12/14/90

Proposed Well Schematic

INJECTION WELL DATA SHEET

Conoco Inc.		Warren Unit		
OPERATOR		LEASE		
59	1980' FSL & 660' FWL	26	20S	38E
WELL NO.	FOOTAGE LOCATION	SECTION	TOWNSHIP	RANGE

Schematic

Tubular Data

See Attached

Surface Casing

Size 9-5/8 " Cemented with 600 sx.
 TOC Surface feet determined by circ.
 Hole size 12-1/4"

Production Casing

Size 7 " Cemented with 1250 sx.
 TOC Surface feet determined by circ.
 Hole size 8-3/4"
 Total Depth 6850'

Injection interval

5905 feet to 6738 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? Yes X No Drill and
 If no, for what purpose was the well originally drilled? equip Blinebry/Tubb dual.
- 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 - 2822', Seven Rivers - 3090',
Queen - 3650', Penrose - 3800', Grayburg - 3995', San Andres - 4270'
Glorieta - 5510', Blinebry - 5896', Tubb - 6448', Drinkard - 6738'.

TCA/tk/WU#59.IDS

EXHIBIT 14-F

BEFORE EXAMINER STOGNER OIL CONSERVATION DIVISION	
EXHIBIT NO. <u>14-F</u>	
CALL NO. <u>10220</u>	
Submitted by <u>Conoco Inc.</u>	
Hearing Date <u>1-24-91</u>	

**WELLBORE DIAGRAM
WARREN UNIT NO. 59
NEW MEXICO FEDERAL UNIT**

GLE: 3546

RSE: 3557'

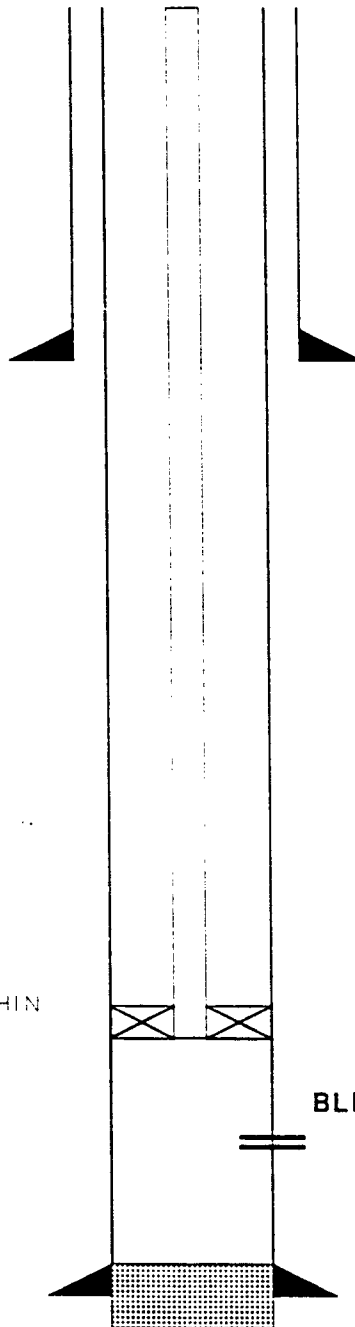
SURFACE CASING
9 5/8", 36#, K-55, @ 1510'
TOC @ SURFACE

TUBING
2 3/8", 4.7#, J-55, EUE, IPO

PACKER
7", GUIBERSON UNI-VI, SET WITHIN
100' OF TOP PERFORATION

PRODUCTION CASING
7", 26#, K-55, @ 6850'
TOC @ SURFACE

BY: T. C. ADUDDLELL



BLINEBRY/TUBB PERFS
5905'-6738'

PBTD: 6815'

TD: 6850'

DATE: 12/14/90

Proposed Well Schematic
INJECTION WELL DATA SHEET

Conoco Inc.		Warren Unit		
OPERATOR		LEASE		
45	660' FSL & 1980' FWL	26	20S	38E
WELL NO.	FOOTAGE LOCATION	SECTION	TOWNSHIP	RANGE

Schematic

See Attached

Tubular Data

Surface Casing

Size 9-5/8" Cemented with 625 sx.
TOC Surface feet determined by circ.
Hole size 12-1/4"

Production Casing

Size 7" Cemented with 2025 sx.
TOC Surface feet determined by circ.
Hole size 8-3/4"
Total Depth 6995'

Injection Interval

5920 feet to 6751 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? Yes X No
If no, for what purpose was the well originally drilled? Drill and
equip Blinebry/Tubb dual.
- 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 - 2839', Seven Rivers - 3103',
Queen - 3662', Penrose - 3815', Grayburg - 4000', San Andres - 4280'
Glorieta - 5510', Blinebry - 5912', Tubb - 6467', Drinkard - 6751'.

TCA/tk/WU#45.IDS

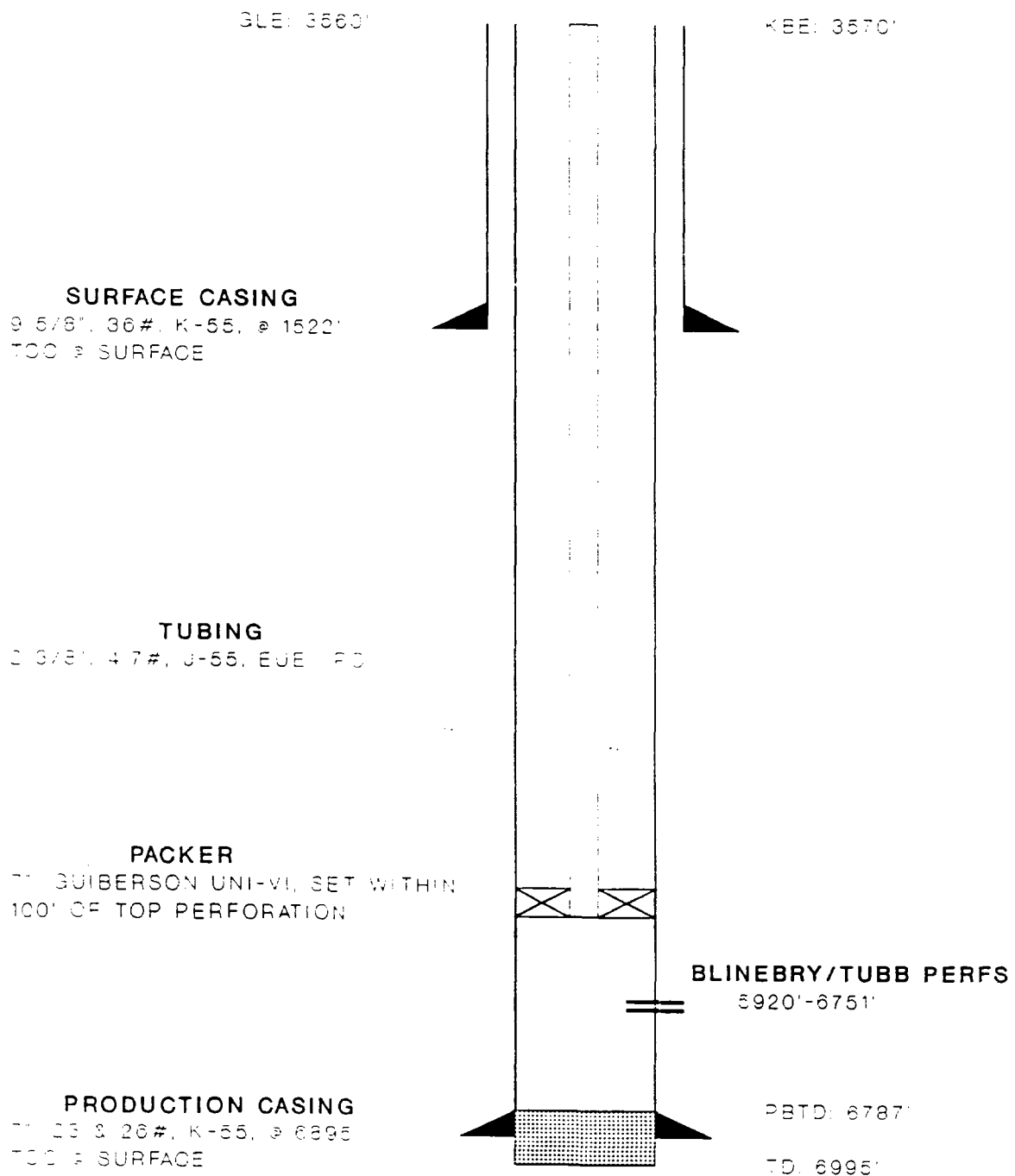
EXHIBIT 14-G

BEFORE EXAMINER STOGNER OIL CONSERVATION DIVISION	
EXHIBIT NO. <u>14-G</u>	
Case No.	<u>10220</u>
Submitted by	<u>Conoco Inc.</u>
Hearing Date	<u>1-24-91</u>

WELLBORE DIAGRAM

WARREN UNIT NO. 45

NEW MEXICO FEDERAL UNIT



BY: T. C. ADUDELL

DATE: 12/14/90

Proposed Well Schematic

INJECTION WELL DATA SHEET

Conoco Inc.		Warren Unit		
OPERATOR		LEASE		
33	1980' FNL & 1980' FWL	27	20S	38E
WELL NO.	FOOTAGE LOCATION	SECTION	TOWNSHIP	RANGE

Schematic

See Attached

Tubular Data

Surface Casing

Size 9-5/8 " Cemented with 1020 sx.
TOC Surface feet determined by circ.
Hole size 12-1/4"

Production Casing

Size 7 " Cemented with 1225 sx.
TOC 2570 feet determined by CBL
Hole size 8-3/4"
Total Depth 7050'

Injection interval

5900 feet to 6710 feet
(perforated or open-hole)

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

Gulberson 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? Yes X No
If no, for what purpose was the well originally drilled? Drill and
equip Blinebry/Tubb dual.
- 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 - 2790', Seven Rivers - 3052',
Queen - 3612', Penrose - 3760', Grayburg - 3945', San Andres - 4223'
Glorieta - 5470', Blinebry - 5934', Tubb - 6425', Drinkard - 6726', Abo - 7022'

TCA/tk/WU#33.IDS

EXHIBIT 14-H

BEFORE EXAMINER STOGNER OIL CONSERVATION DIVISION
EXHIBIT NO. <u>14-H</u>
CASE NO. <u>10220</u>
Submitted by <u>Conoco Inc.</u>
Hearing Date <u>1-24-91</u>

WELLBORE DIAGRAM

WARREN UNIT NO. 33

NEW MEXICO FEDERAL UNIT

GLE: 3534'

KBE: 3549'

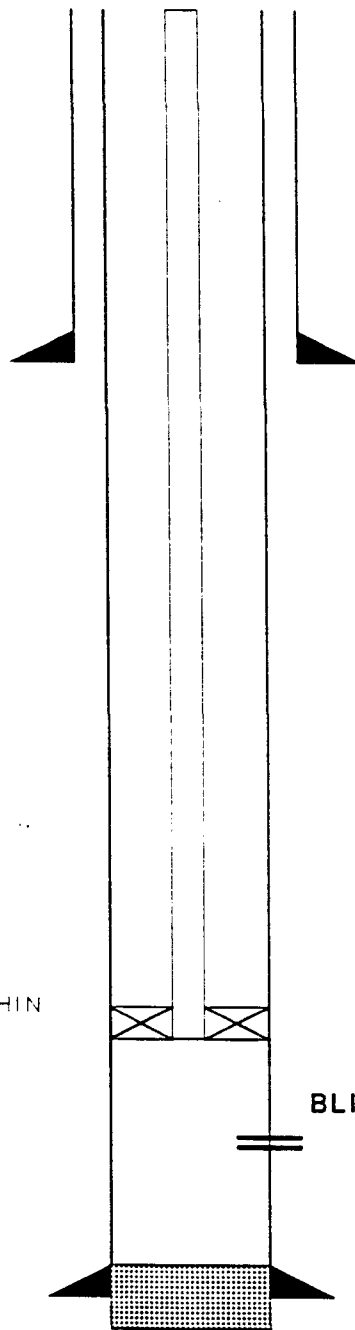
SURFACE CASING
9 5/8", 32.3#, H-40, @ 1504'
TOC @ SURFACE

TUBING
2 3/8", 4.7#, J-55, EUE, IPC

PACKER
7", GUIBERSON UNI-VI, SET WITHIN
100' OF TOP PERFORATION

PRODUCTION CASING
7", 23 & 26#, J-55, @ 7050'
TOC @ 2570'

BY: T. C. ADUDELL



BLINEBRY/TUBB PERFS
5900'-6710'

PBTD: 7020'

TD: 7050'

DATE: 12/14/90

Proposed Well Schematic

INJECTION WELL DATA SHEET

Conoco Inc.		Warren Unit		
OPERATOR		LEASE		
37	1980' FSL & 1980' FEL	27	20S	38E
WELL NO.	FOOTAGE LOCATION	SECTION	TOWNSHIP	RANGE

Schematic

See Attached

Tubular Data

Surface Casing
Size 9-5/8 " Cemented with 1025 sx.
TOC Surface feet determined by circ.
Hole size 12-1/4"

Production Casing
Size 7 " Cemented with 1450 sx.
TOC 2450 feet determined by CBL
Hole size 8-3/4"
Total Depth 7060'

Injection Interval
5870 feet to 6741 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? Yes X No
If no, for what purpose was the well originally drilled? Drill and
equip Blinebry/Tubb dual.
- 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 - 2796', Seven Rivers - 3057',
Queen - 3614', Penrose - 3768', Grayburg - 3948', San Andres - 4213'
Glorieta - 5475', Blinebry - 5940', Tubb - 6437', Drinkard - 6741', Abo - 7014'.

TCA/tk/WU#37.IDS

EXHIBIT 14-I

BEFORE EXAMINER STOGNER	
OIL CONSERVATION DIVISION	
FILE NO.	<u>14-I</u>
CASE NO.	<u>10220</u>
Submitted by	<u>Conoco Inc.</u>
Hearing Date	<u>1-24-91</u>

WELLBORE DIAGRAM

WARREN UNIT NO. 37

NEW MEXICO FEDERAL UNIT

GLE: 3548'

KBE: 3558'

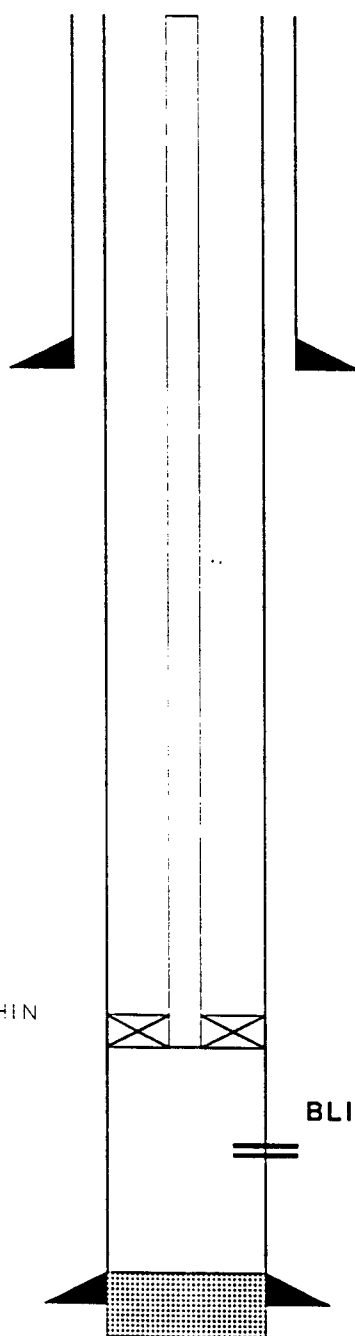
SURFACE CASING
9 5/8", 36#, K-55, @ 1550'
TOC @ SURFACE

TUBING
2 3/8", 4.7#, J-55, EUE, IPO

PACKER
7", GUIBERSON UNI-VI, SET WITHIN
100' OF TOP PERFORATION

PRODUCTION CASING
7", 28 & 26#, K-55, @ 7060'
TOC @ 2450'

BY: T. O. ADUDDLELL



BLINEBRY/TUBB PERFS
5870'-6741'

PBTD: 6995'

TD: 7060'

DATE: 12/14/90

Proposed Well Schematic

INJECTION WELL DATA SHEET

<u>Conoco Inc.</u>		<u>Warren Unit</u>		
<u>OPERATOR</u>		<u>LEASE</u>		
<u>41</u>	<u>660' FSL & 1980' FWL</u>	<u>27</u>	<u>20S</u>	<u>38E</u>
<u>WELL NO.</u>	<u>FOOTAGE LOCATION</u>	<u>SECTION</u>	<u>TOWNSHIP</u>	<u>RANGE</u>

Schematic

Tubular Data

See Attached

Surface Casing

Size 9-5/8" Cemented with 625 sx.
 TOC Surface feet determined by circ.
 Hole size 12-1/4"

Production Casing

Size 7" Cemented with 1200 sx.
 TOC 2500 feet determined by CBL
 Hole size 8-3/4"
 Total Depth 7001'

Injection interval

5870 feet to 6666 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? Yes X No
 if no, for what purpose was the well originally drilled? Drill and
equip Blinebry/Tubb dual.
- 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 - 2743', Seven Rivers - 3001',
Queen - 3560', Penrose - 3715', Grayburg - 3898', San Andres - 4172'
Glorieta - 5396', Blinebry - 5871', Tubb - 6363', Drinkard - 6666'

TCA/tk/WU#41.IDS

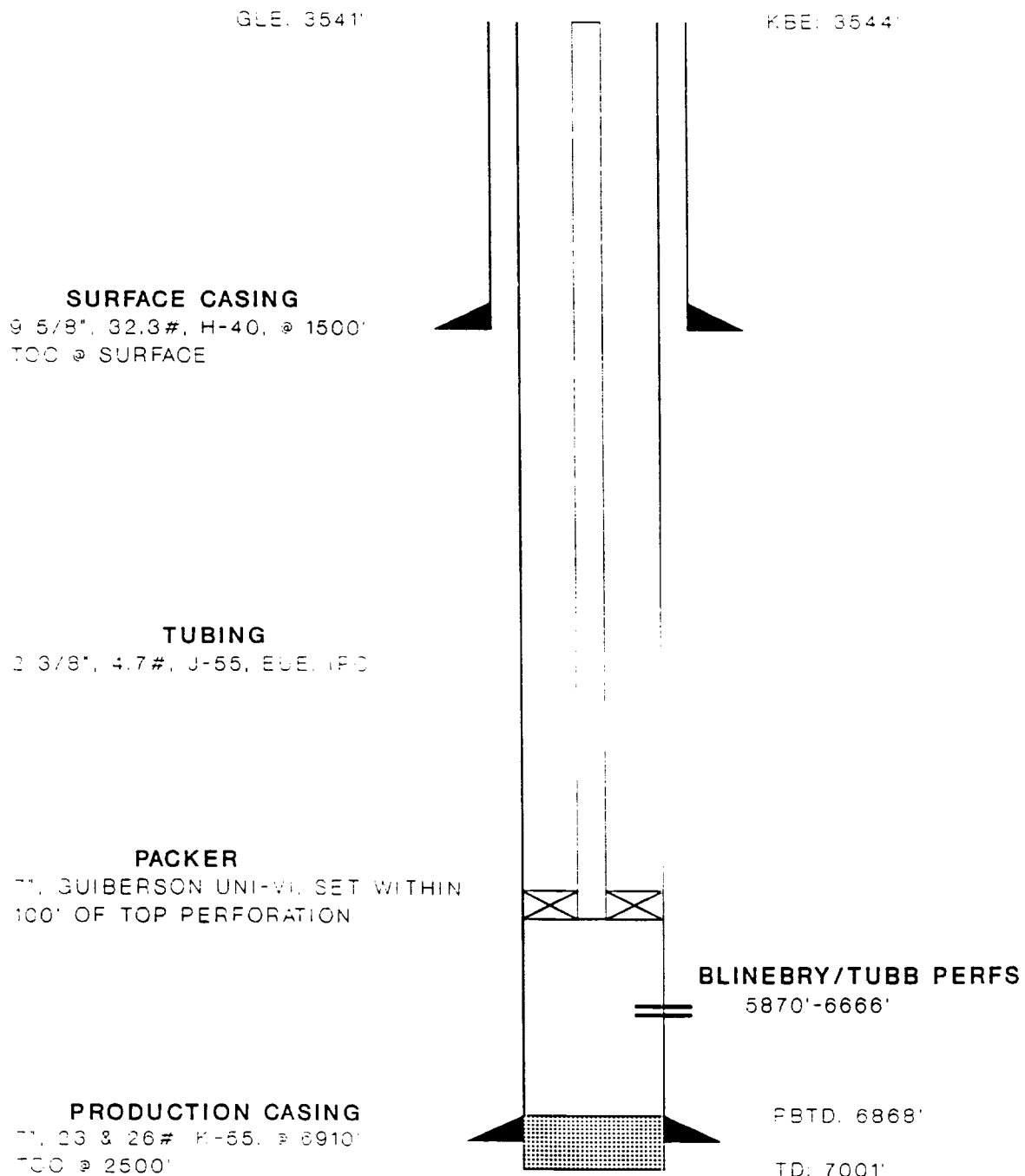
EXHIBIT 14-J

BEFORE EXAMINER STOGNER	
OIL CONSERVATION DIVISION	
EXHIBIT NO. <u>14-J</u>	
CASE NO.	<u>10220</u>
Sub.	<u>Conoco Inc.</u>
Hearing Date	<u>1-24-91</u>

WELLBORE DIAGRAM

WARREN UNIT NO. 41

NEW MEXICO FEDERAL UNIT



BY: T. C. ADUDELL

DATE: 12/14/90

Proposed Well Schematic

INJECTION WELL DATA SHEET

<u>Conoco Inc.</u>		<u>Warren Unit</u>		
OPERATOR		LEASE		
<u>32</u>	<u>660' FSL & 660' FEL</u>	<u>27</u>	<u>20S</u>	<u>38E</u>
WELL NO.	FOOTAGE LOCATION	SECTION	TOWNSHIP	RANGE

Schematic

See Attached

Tubular Data

Surface Casing

Size 9-5/8" Cemented with 660 sx.
 TOC Surface feet determined by circ.
 Hole size 12-1/4"

Production Casing

Size 7" Cemented with 1200 sx.
 TOC 2600 feet determined by CBL
 Hole size 8-3/4"
 Total Depth 6825'

Injection Interval

5920 feet to 6767 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? Yes X No
 If no, for what purpose was the well originally drilled? Drill and
equip Blinebry/Tubb dual.
- 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 - 2830', Seven Rivers - 3102',
Queen - 3659', Penrose - 3811', Grayburg - 3996', San Andres - 4280'
Glorieta - 5514', Blinebry - 5905', Tubb - 6471', Drinkard - 6767

TCA/tk/WU#32.IDS

EXHIBIT 14-K

BEFORE EXAMINER STOGNER OIL CONSERVATION DIVISION	
EXHIBIT NO. <u>14-K</u>	
CHARGE NO.	<u>10220</u>
State	<u>Conoco Inc.</u>
Hearing Date	<u>1-24-91</u>

WELLBORE DIAGRAM

WARREN UNIT NO. 32

NEW MEXICO FEDERAL UNIT

GLE: 3545'

KBE: 3556'

SURFACE CASING

9 5/8", 36#, K-55, @ 1480'
TOC @ SURFACE

TUBING

2 3/8", 4.7#, J-55, EUE, IPC

PACKER

7", GIBBERSON UNI-VI, SET WITHIN
100' OF TOP PERFORATION

BLINEBRY/TUBB PERFS
5920'-6767'

PRODUCTION CASING

7", 23 & 26#, K-55, @ 6825'
TOC @ 2600'

PBTD: 6795'

TD: 6825'

BY: T. C. ADUDELL

DATE: 12/14/90

Proposed Well Schematic

INJECTION WELL DATA SHEET

<u>Conoco Inc.</u>		<u>Warren Unit</u>		
OPERATOR		LEASE		
<u>84</u>	<u>660' FNL & 1920' FWL</u>	<u>33</u>	<u>20S</u>	<u>38E</u>
WELL NO.	FOOTAGE LOCATION	SECTION	TOWNSHIP	RANGE

Schematic

See Attached

Tubular Data

Surface Casing

Size 8-5/8" Cemented with 696 sx.
 TOC Surface feet determined by circ.
 Hole size 12-1/4"

Production Casing

Size 5-1/2" Cemented with 2350 sx.
 TOC Surface feet determined by circ.
 Hole size 7-7/8"
 Total Depth 6170'

Injection Interval

6000 feet to 6084 feet
 (perforated or open-hole)

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

Baker AD-1 packer within 100' of top perforation.
 (brand and model)

Other Data

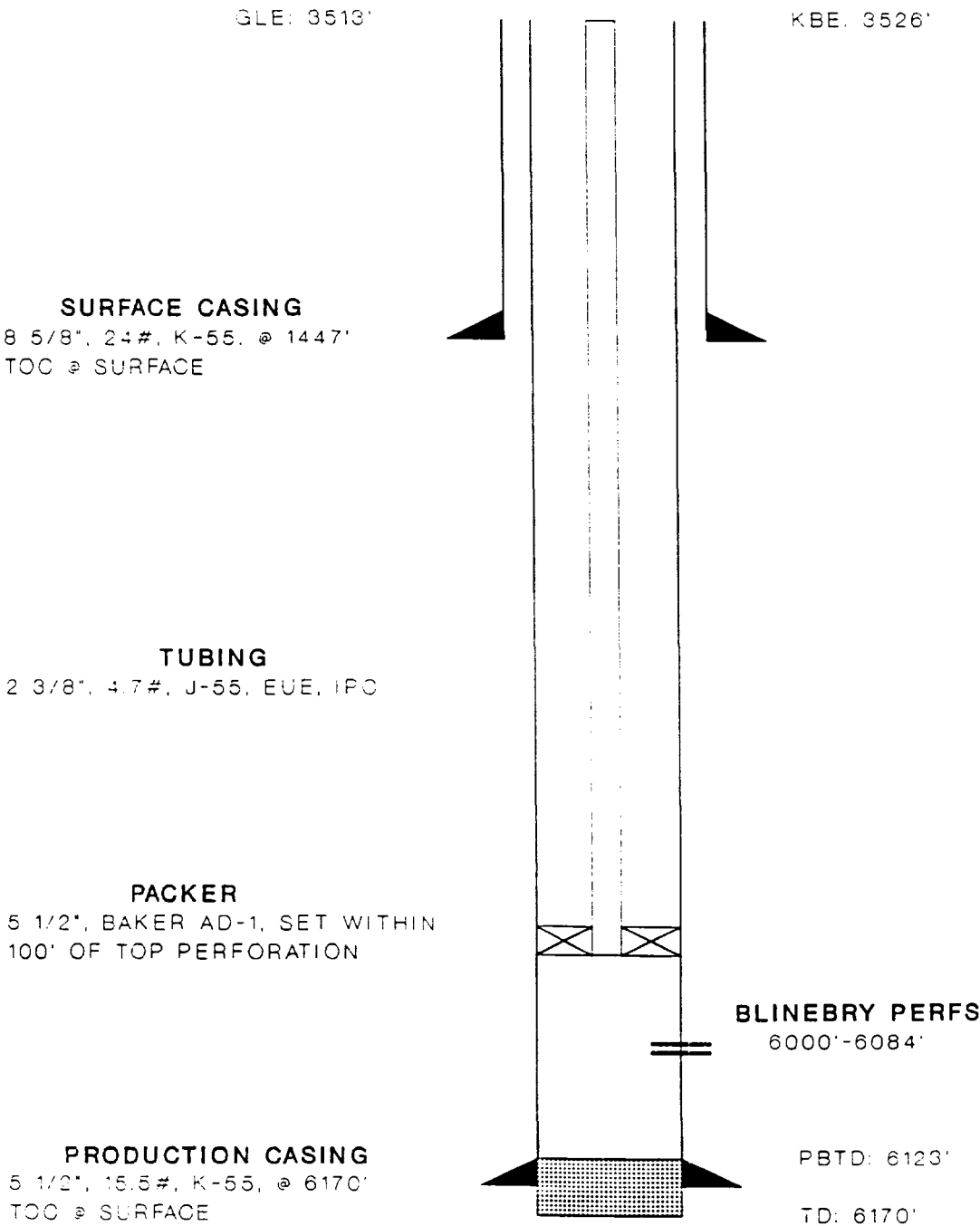
- Name of the injection formation Blinebry
- Name of Field or Pool (if applicable) NMFU
- Is this a new well drilled for injection? Yes X No
 If no, for what purpose was the well originally drilled? Drill and equip Blinebry
- Has the well ever been perforated in any other zone(s)?
 List all such perforated 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 - 2710', Seven Rivers - 2980', Queen - 3549', Penrose - 3698', Grayburg - 3882', San Andres - 4145', Glorieta - 5370', Blinebry - 5785'

TCA/tk/WU#84.IDS

EXHIBIT 14-L

BEFORE EXAMINER STOGNER OIL CONSERVATION DIVISION	
EXHIBIT NO. <u>14-L</u>	
CASE NO.	<u>10220</u>
Spelled	<u>Conoco Inc.</u>
Hearing on	<u>1-24-91</u>

WELLBORE DIAGRAM
WARREN UNIT NO. 84
NEW MEXICO FEDERAL UNIT



BY: T. C. ADUDELL

DATE: 12/14/90

Proposed Well Schematic

INJECTION WELL DATA SHEET

Conoco Inc.		Warren Unit		
OPERATOR		LEASE		
39	660' FNL & 1980' FEL	34	20S	38E
WELL NO.	FOOTAGE LOCATION	SECTION	TOWNSHIP	RANGE

Schematic

Tubular Data

See Attached

Surface Casing
Size 9-5/8" Cemented with 700 sx.
TOC Surface feet determined by circ.
Hole size 12-1/4"

Production Casing
Size 7" Cemented with 1225 sx.
TOC 2530 feet determined by CBL
Hole size 8-3/4"
Total Depth 7025'

Injection Interval
5870 feet to 6761 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

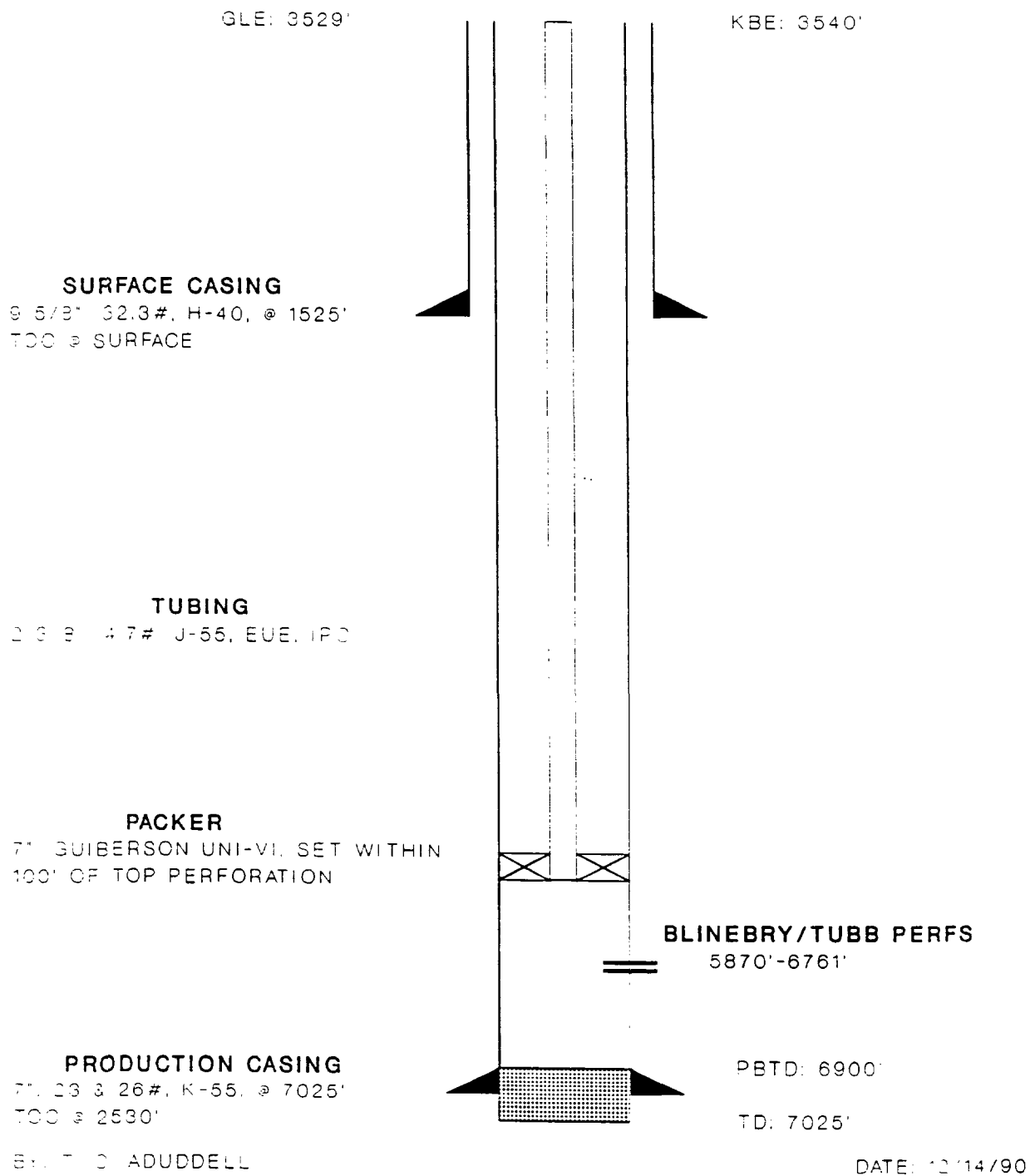
- Name of the injection formation Blinebry/Tubb
- Name of Field or Pool (if applicable) NMFU
- Is this a new well drilled for injection? Yes X No
If no, for what purpose was the well originally drilled? Test Tubb.
Drill and equip Blinebry.
- Has the well ever been perforated in any other zone(s)?
List all such perforated intervals and give plugging detail (sacks of cement or bridge plug(s) used) Yes. Tubb 6580'-6716'. CIBP set @ 6275' w/1 sx cmt. on top.
- Give the depth to and name of any overlying and/or underlying oil or gas zones (pools) in this area. Yates - 2781', Seven Rivers - 3041', Queen - 3600', Penrose - 3750', Grayburg - 3939', San Andres - 4213', Glorieta - 5430', Blinebry - 5831', Tubb - 6445', Drinkard - 6762'.

TCA/tk/WU#39.IDS

EXHIBIT 14-M

BEFORE EXAMINER STOGNER	
OIL CONSERVATION DIVISION	
EXHIBIT NO. 14-M	
CASE NO.	10220
Set by	Conoco Inc.
Hearing date	1-24-91

WELLBORE DIAGRAM
WARREN UNIT NO. 39
NEW MEXICO FEDERAL UNIT



Proposed Well Schematic

INJECTION WELL DATA SHEET

<u>Conoco Inc.</u>		<u>Warren Unit</u>		
OPERATOR		LEASE		
<u>79</u>	<u>660' FNL & 660' FWL</u>	<u>35</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 593 sx.
TOC 50 feet determined by temp. survey
Hole size 12-1/4"

Production Casing

Size 7 " Cemented with 2175 sx.
TOC Surface feet determined by circ.
Hole size 8-3/4"
Total Depth 6830'

Injection interval
5900 feet to 6790 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

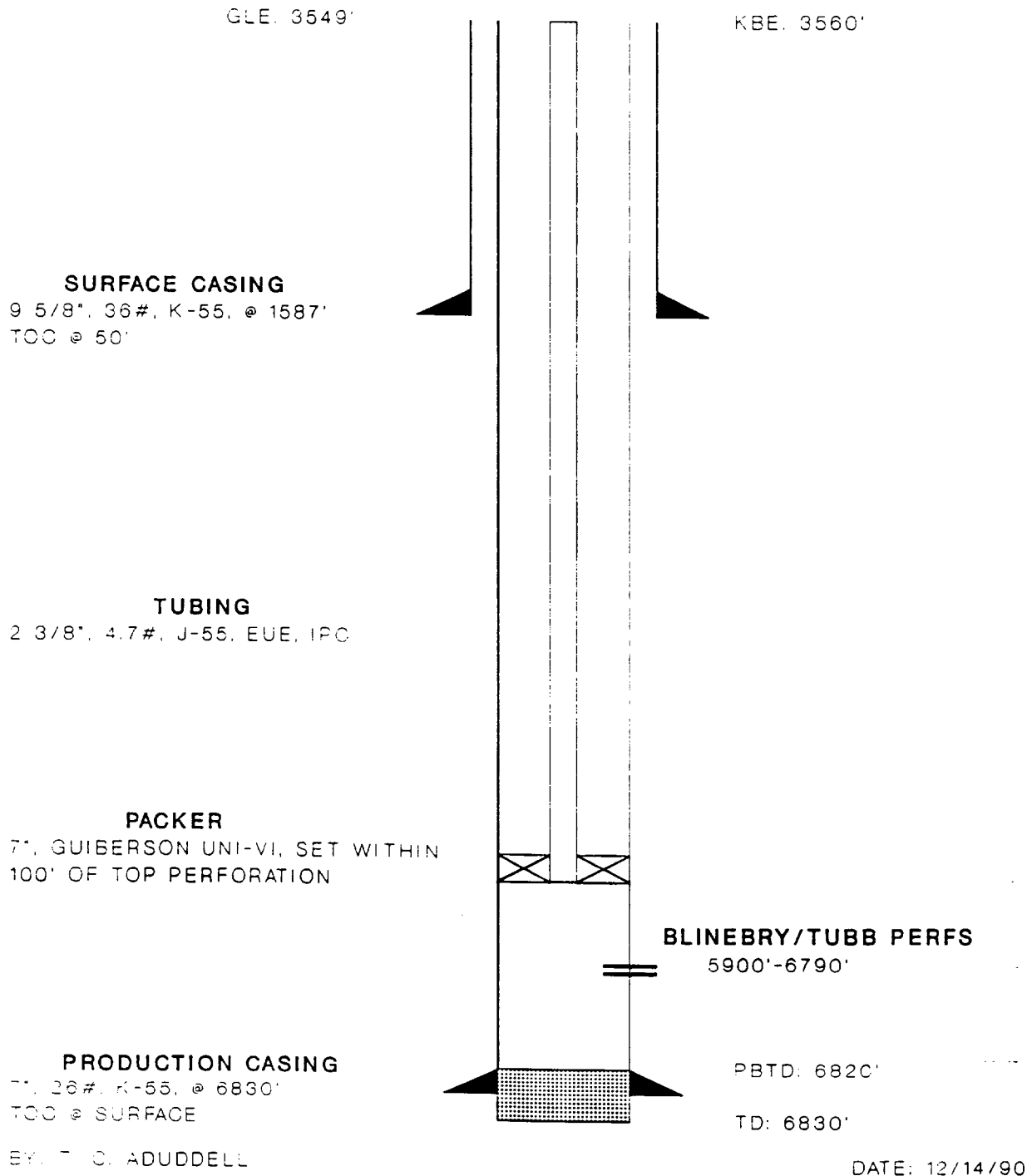
- Name of the injection formation Blinebry/Tubb
- Name of Field or Pool (if applicable) NMFU
- Is this a new well drilled for injection? Yes X No
If no, for what purpose was the well originally drilled? Drill and equip Tubb.
- Has the well ever been perforated in any other zone(s)?
List all such perforated intervals and give plugging detail (sacks of cement or bridge plug(s) used) No.
on top.
- Give the depth to and name of any overlying and/or underlying oil or gas zones (pools) in this area. Yates - 2830', Seven Rivers - 2996',
Queen - 3655', Penrose - 3810', Grayburg - 4002', San Andres - 4273'
Glorieta - 5506', Blinebry - 5921', Tubb - 6479'

TCA/1k/WU#79.IDS

EXHIBIT 14-N

BEFORE EXAMINER STOGNER OIL CONSERVATION DIVISION	
EXHIBIT NO. <u>14-N</u>	
CASE NO.	<u>10220</u>
Submitted by	<u>Conoco Inc.</u>
Hearing Date	<u>1-24-91</u>

WELLBORE DIAGRAM
WARREN UNIT NO. 79
NEW MEXICO FEDERAL UNIT



Proposed Well Schematic

INJECTION WELL DATA SHEET

Conoco Inc.		Warren Unit		
OPERATOR		LEASE		
102	1980' FNL & 1980' FEL	34	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 3100 sx.
TOC Surface feet determined by circ.
Hole size 8-3/4"
Total Depth 6550'

Injection Interval

5905 feet to 6450 feet
(perforated or open-hole)

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

Baker AD-1 packer within 100' of top perforation.
(brand and model)

Other Data

- Name of the injection formation Blinebry
- 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 - 2795', Seven Rivers - 3060',
Grayburg - 3930', San Andres - 4215', Giorleta - 5415', Blinebry - 5905',
Tubb - 6450'.

TCA/1k/WU#102.IDS

EXHIBIT 14-O

BEFORE EXAMINER STOGNER
OIL CONSERVATION DIVISION

EXHIBIT NO 14-0

CASE NO 10220

Submitted by Conoco Inc.

Hearing Date 1-24-91

WELLBORE DIAGRAM

WARREN UNIT NO. 102

NEW MEXICO FEDERAL UNIT

GLE: 3525'

KBE: 3541'

SURFACE CASING

9 5/8", 36#, K-55, @ 1500'
TOC @ SURFACE

TUBING

2 3/8", 4.7#, J-55, EUE, IPC

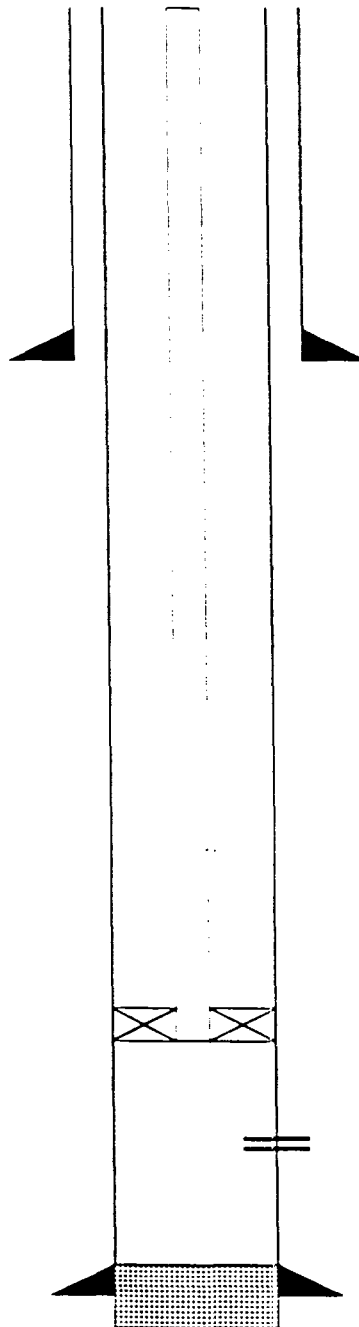
PACKER

7", BAKER AD-1, SET WITHIN
100' OF TOP PERFORATION

PRODUCTION CASING

7", 23 & 26#, K-55, @ 6550'
TOC @ SURFACE

BY: T. O. ADUDELL



BLINEBRY PERFS
5905'-6450'

TD: 6550'

DATE: 12/17/90

Proposed Well Schematic
INJECTION WELL DATA SHEET

Conoco Inc.		Warren Unit		
OPERATOR		LEASE		
103	1980' FNL & 660' FEL	26	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

6041 feet to 6815 feet
(perforated or open-hole)

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

Gulberson 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 - 2880', Seven Rivers - 3140',
Grayburg - 4045', San Andres - 4300', Giorleta - 5555', Blinebry - 6041',
Tubb - 6540', Drinkard - 6815'.

TCA/tk/WU#103.IDS

EXHIBIT 14-P

BEFORE EXAMINER STOGNER
OIL CONSERVATION DIVISION

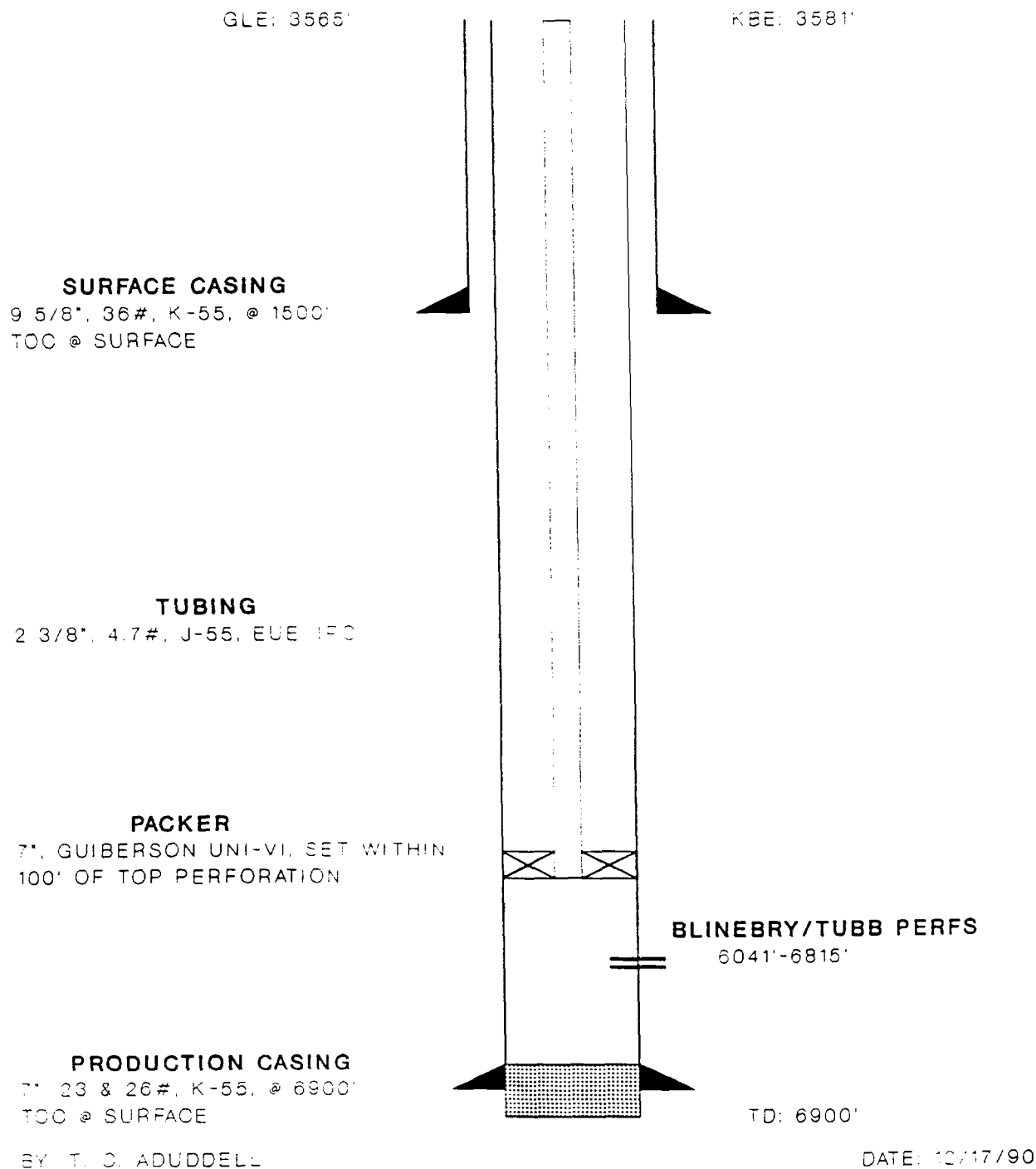
EXHIBIT NO. 14-P

CASE NO. 10220

Submitted by Conoco Inc.

Hearing Date 1-24-91

**WELLBORE DIAGRAM
WARREN UNIT NO. 103
NEW MEXICO FEDERAL UNIT**



Proposed Well Schematic
INJECTION WELL DATA SHEET

Conoco Inc.		Warren Unit		
OPERATOR		LEASE		
104	660' FNL & 1980' FEL	27	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

6011 feet to 6800 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

1. Name of the injection formation Blinebry/Tubb
2. Name of Field or Pool (if applicable) NMFU
3. Is this a new well drilled for injection? X Yes No
If no, for what purpose was the well originally drilled?
4. 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
5. Give the depth to and name of any overlying and/or underlying oil or gas zones (pools) in this area. Yates - 2835', Seven Rivers - 3100',
Grayburg - 4000', San Andres - 4290', Glorieta - 5550', Blinebry - 6011',
Tubb - 6525', Drinkard - 6800'.

TCA/tk/WU#104.IDS

EXHIBIT 14-Q

BEFORE EXAMINER STOGNER
OIL CONSERVATION DIVISION

EXHIBIT NO. 14-Q
CASE NO. 10220
Submitted by Conoco Inc.
Hearing Date 1-24-91

WELLBORE DIAGRAM

WARREN UNIT NO. 104

NEW MEXICO FEDERAL UNIT

GLE: 3560'

KBE: 3576'

SURFACE CASING

9 5/8", 36#, K-55, @ 1500'
TOC @ SURFACE

TUBING

2 3/8", 4.7#, J-55, EUE, IPC

PACKER

7", GUIBERSON UNI-VI, SET WITHIN
100' OF TOP PERFORATION

BLINEBRY/TUBB PERFS

6011'-6800'

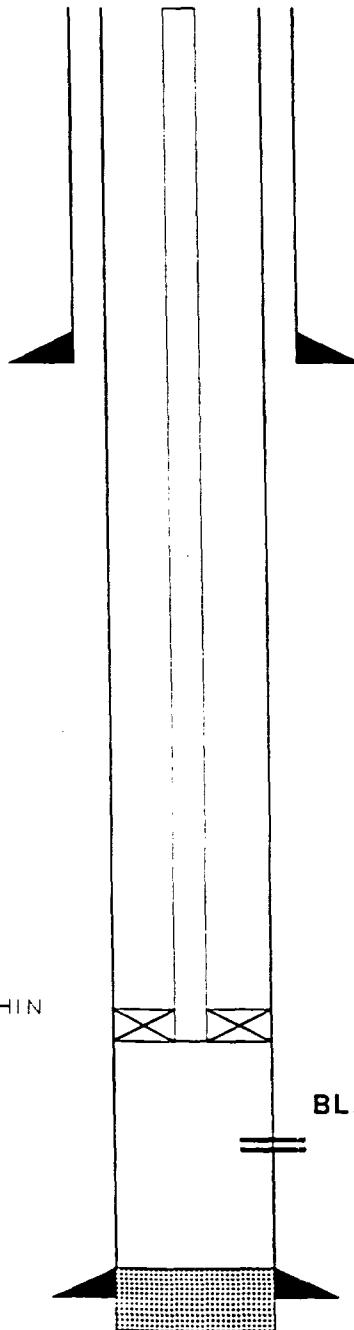
PRODUCTION CASING

7", 23 & 26#, K-55, @ 6900'
TOC @ SURFACE

TD: 6900'

BY: T. C. ADUDELL

DATE: 12/17/90



Proposed Well Schematic
INJECTION WELL DATA SHEET

Conoco Inc.		Warren Unit		
OPERATOR		LEASE		
105	1980' FNL & 660' FEL	27	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

5996 feet to 6785 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

1. Name of the injection formation Blinebry/Tubb
2. Name of Field or Pool (if applicable) NMFU
3. Is this a new well drilled for injection? X Yes No
If no, for what purpose was the well originally drilled?
4. 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
5. Give the depth to and name of any overlying and/or underlying oil or gas zones (pools) in this area. Yates - 2830', Seven Rivers - 3100',
Grayburg - 4000', San Andres - 4280', Glorieta - 5520', Blinebry - 5996',
Tubb - 6480', Drinkard - 6785'.

TCA/tk/WU#105.IDS

EXHIBIT 14-R

BEFORE EXAMINER STOGNER OIL CONSERVATION DIVISION
EXHIBIT NO. <u>14-R</u>
CASE NO. <u>10220</u>
Submitted by <u>Conoco Inc.</u>
Hearing Date <u>1-24-91</u>

WELLBORE DIAGRAM

WARREN UNIT NO. 105

NEW MEXICO FEDERAL UNIT

