



STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT
OIL CONSERVATION DIVISION

BRUCE KING
GOVERNOR

LARRY KEHOE
SECRETARY

April 12, 1982

POST OFFICE BOX 2088
STATE LAND OFFICE BUILDING
SANTA FE, NEW MEXICO 87501
(505) 827-2434

Barber Oil, Inc.
111 West Mermod
P.O. Box 1658
Carlsbad, NM 88220

*Case No
469*

ATTENTION: Michael D. Garringer

RE: Exception to Rule 705-A
for Injection Wells

Dear Sir:

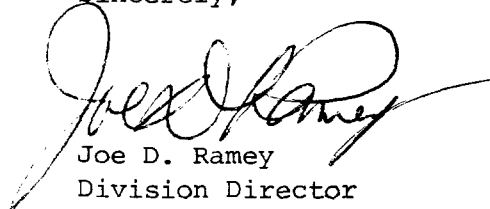
Pursuant to Barber Oil, Inc.'s request for exception of thirty-seven (37) injection wells, as listed on TABLE I, from Rule 705-A, the Oil Conservation Division (OCD) hereby denies your request.

Review of your application and history thereof by the Santa Fe and Aztec District offices concludes that you have not demonstrated good cause to be entitled to exception to Rule 705-A.

The OCD requests that Barber Oil, Inc., take appropriate actions as outlined in the OCD Memorandum of September 30, 1981. (See Attachment)

If you have any questions regarding this matter, please do not hesitate to call or contact Oscar Simpson, at (505) 827-2534.

Sincerely,


Joe D. Ramey
Division Director

JDR/OS/dp

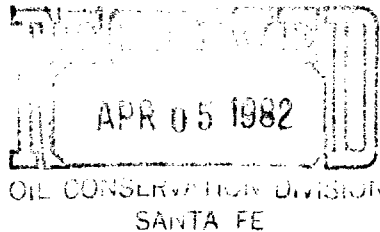
Enc.

TABLE I

1.	Crosby Federal Wells	#1, Section 12, Township 20 South, Range 28 East
2.		#2 " " "
3.		#4 " " "
4.	Turner Federal Wells	#2, Section 13, Township 20 South, Range 28 East
5.		#3 " " "
6.		#6 " " "
7.		#12 " " "
8.		#13 " " "
9.		#15 " " "
10.		#18 " " "
11.		#21 " " "
12.		#22 " " "
13.	Wills Federal Wells	#2, Section 13, Township 20 South, Range 28 East
14.		#5 " " "
15.		#6 " " "
16.		#8 " " "
17.		#10 " " "
18.		#14 " " "
19.		#15 " " "
20.		#17 " " "
21.		#18 " " "
22.		#19 " " "
23.		#21 " " "
24.		#23 " " "
25.		#25 " " "
26.		#26 " " "
27.		#27 " " "
28.		#30 " " "
29.		#33 " " "
30.		#34 " " "
31.		#35 " " "
32.		#36 " " "
33.		#37 " " "
34.		#39 " " "
35.		#41 " " "
36.		#42 " " "
37.		#45 " " "

BARBER OIL, INC.
111 West Mermod
Post Office Box 1658
CARLSBAD, NEW MEXICO 88220
(505) 887-2566

April 1, 1982



State of New Mexico
Energy and Minerals Department
Oil Conservation Division
P. O. Box 2088
Santa Fe, NM 87501

Attn: Oscar Simpson III
Water Resource Specialist

Re: Exception to Rule 705-A
LC-050797, Crosby-Turner-Wills Comm. Btry
Russell Field Waterflood, Eddy Co., NM

Dear Sir:

As per your letter of March 24, 1982 I hereby submit "Injection Well Data Sheets" on all wells listed in our letter of March 4, 1982 with one exception. Wells #29 is currently "Plugged & Abandoned".

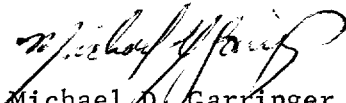
The "Injection Well Data Sheets" should complete your information for sub-paragraphs (a) thru (j). Sub-paragraph (m) is not applicable and (k) & (l) are as follows:

- (k) All of the injection wells were temporarily discontinued during the months of May and June, 1980.
- (l) Injection will resume as soon as a tertiary recovery program is economically feasible.

Again, I must point out that no drinking water sources are located in this area and we consider the wells essential to our future tertiary recovery program.

Very truly yours,

BARBER OIL, INC.


Michael D. Garringer
Manager

Encl: 37

INJECTION WELL DATA SHEET

BARBER OIL, Inc

LC-050797

CROSBY FEDERAL

OPERATOR

LEASE

1
WELL NO.330' FSL + 2310 FEL
FOOTAGE LOCATION12
SECTION20s
TOWNSHIP28E
RANGESchematicTabular DataSurface Casing

Size _____ " Cemented with _____ sx.

TOC _____ feet determined by _____

Hole size _____

Intermediate Casing

Size _____ " Cemented with _____ sx.

TOC _____ feet determined by _____

Hole size _____

Long string

Size _____ " Cemented with _____ 75 _____ sx.

TOC UNKNOWN feet determined by _____

Hole size _____ 8" _____

Total depth _____ 845 _____

Injection interval844 feet to 881 feet
(~~perforated~~ or open-hole, indicate which)

Tubing size _____ lined with _____ set in a
(material)
_____ packer at _____ feet.
(brand and model)

(or describe any other casing-tubing seal).

Other Data

- Name of the injection formation GATES
- Name of Field or Pool (if applicable) RUSSELL
- Is this a new well drilled for injection? ☐ Yes ☒ No
If no, for what purpose was the well originally drilled? Production
- 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. NONE

INJECTION WELL DATA SHEET

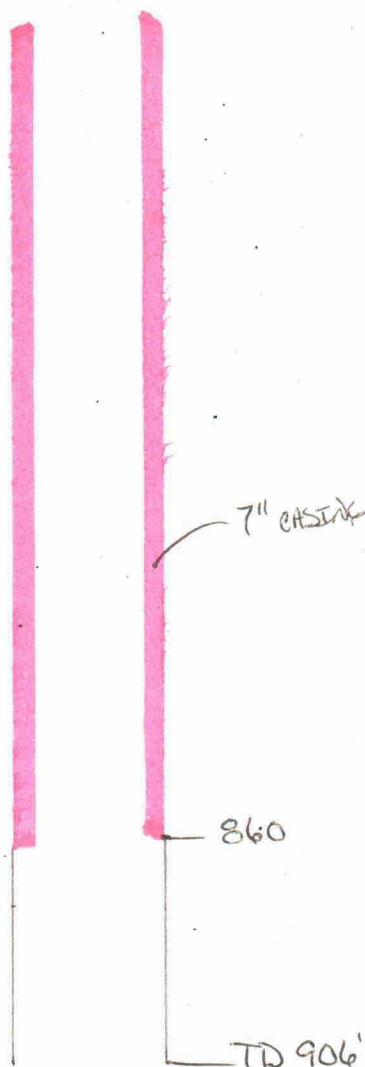
BARBER OIL, INC.

CC-050797

CROSBY FEDERAL

OPERATION

LEASE

2
WELL NO.330' FSL AND 1650' FEL
FOOTAGE LOCATION12
SECTION20 SOUTH
TOWNSHIP28 EAST
RANGESchematicTubular DataSurface Casing

Size _____" Cemented with _____ sx.

TOC _____ feet determined by _____

Hole size _____

Intermediate Casing

Size _____" Cemented with _____ sx.

TOC _____ feet determined by _____

Hole size _____

Long stringSize 7" Cemented with 75 sx.TOC UNKNOWN feet determined by _____Hole size 8 1/2Total depth 860Injection interval863 feet to 906 feet
(perforated or open-hole, indicate which)

Tubing size _____ lined with _____ set in a
(material)
C packer at _____ feet.
(brand and model)

(or describe any other casing-tubing seal).

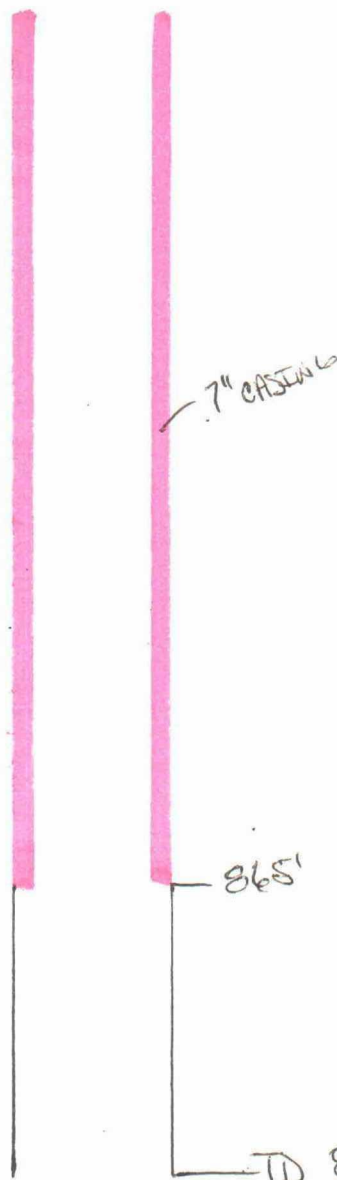
Other Data1. Name of the injection formation YATES2. Name of Field or Pool (if applicable) RUSSELL3. Is this a new well drilled for injection? ☐ Yes ☒ NoIf no, for what purpose was the well originally drilled? PRODUCTION4. Has the well ever been perforated in any other zone(s)? List all such perforated 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. _____

INJECTION WELL DATA SHEET

- BARBER OIL, INC.
OPERATORLC-050797
LEASE

CROSBY FEDERAL

4
WELL NO.663' FSL AND 2000' FEL
FOOTAGE LOCATION12
SECTION20 SOUTH
TOWNSHIP28 EAST
RANGESchematicTubular DataSurface Casing

Size _____ " Cemented with _____ sx.

TOC _____ feet determined by _____

Hole size _____

Intermediate Casing

Size _____ " Cemented with _____ sx.

TOC _____ feet determined by _____

Hole size _____

Long string

Size _____ " Cemented with _____ 125 _____ sx.

TOC UNKNOWN feet determined by _____

Hole size _____ 8 1/2 " _____

Total depth _____ 865 _____

Injection interval867 feet to 889 feet
(perforated or open-hole, indicate which)

Tubing size _____ lined with _____ set in a
(material)
_____ packer at _____ feet.
(brand and model)

(or describe any other casing-tubing seal).

Other Data

- Name of the injection formation YATES
- Name of Field or Pool (if applicable) RUSSELL
- Is this a new well drilled for injection? ☐ Yes ☒ No
If no, for what purpose was the well originally drilled? Production
- 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. NONE

INJECTION WELL DATA SHEET

BARRER OIL, INC.

LC-050797

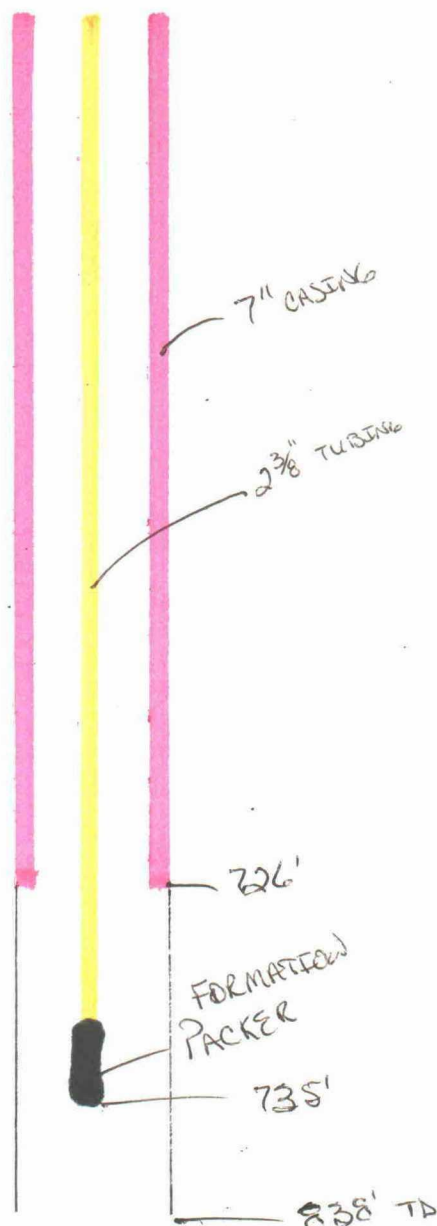
TURNER FEDERAL

OPERATOR

LEASE

2
WELL NO.1980' FSL AND 1980' FSL
FOOTAGE LOCATION13
SECTION205
TOWNSHIP28E
RANGE

Schematic



Tabular Data

Surface Casing

Size _____" Cemented with _____ sx.

TOC _____ feet determined by _____

Hole size _____

Intermediate Casing

Size _____" Cemented with _____ sx.

TOC _____ feet determined by _____

Hole size _____

Long string

Size _____" Cemented with _____ sx.

TOC UNKNOWN feet determined by _____

Hole size _____

Total depth 726'

Injection interval

812 feet to 827 feet
(~~perforated~~ or open-hole, indicate which)

Tubing size 2 3/8" lined with CEMENT set in a
(material)
GILBERTSON 2" X 7" packer at 735 feet.
(brand and model)

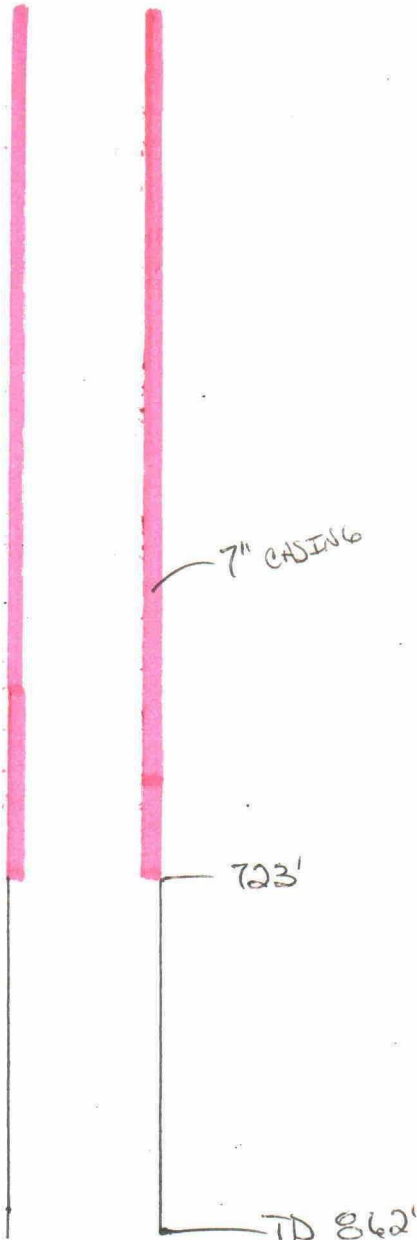
(or describe any other casing-tubing seal).

Other Data

- Name of the injection formation YATES
- Name of Field or Pool (if applicable) RUSSELL
- Is this a new well drilled for injection? ☐ Yes ☒ No
If no, for what purpose was the well originally drilled? PRODUCTION
- 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. NONE

INJECTION WELL DATA SHEET

BARBER OIL, INC. LC-050797 TURNER FEDERAL
 OPERATOR LEASE
3 1980' FSL AND 1970' FEL 13 20S 28E
 WELL NO. FOOTAGE LOCATION SECTION TOWNSHIP RANGE

SchematicTabular DataSurface Casing

Size _____ " Cemented with _____ sx.
 TOC _____ feet determined by _____
 Hole size _____

Intermediate Casing

Size _____ " Cemented with _____ sx.
 TOC _____ feet determined by _____
 Hole size _____

Long string

Size _____ 7" Cemented with _____ 50 sx.
 TOC UNKNOWN feet determined by _____
 Hole size _____

Total depth ~~723~~ 723'

Injection interval

841 feet to 862 feet
 (~~perforated~~ or open-hole, indicate which)

Tubing size _____ lined with _____ set in a
 _____ (material)
 _____ packer at _____ feet.
 _____ (brand and model)

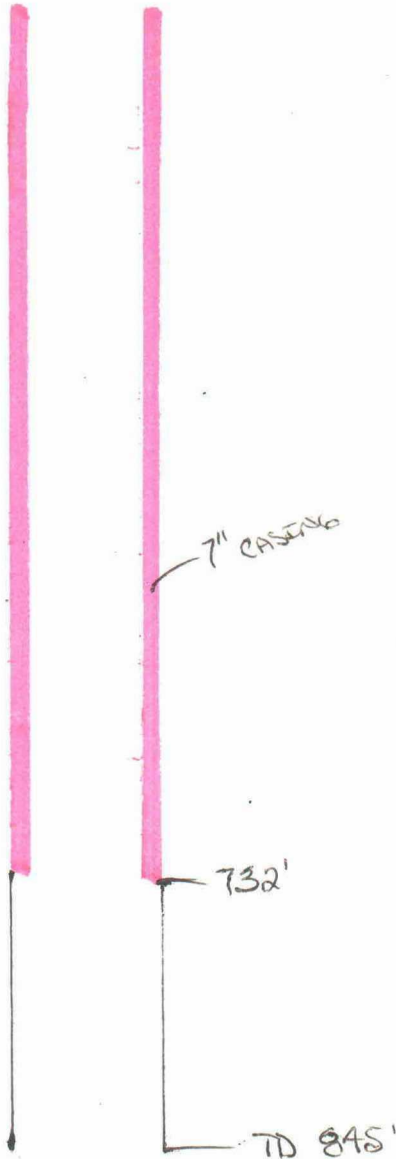
(or describe any other casing-tubing seal).

Other Data

- Name of the injection formation YATES
- Name of Field or Pool (if applicable) RUSSELL
- Is this a new well drilled for injection? ☐ Yes ☒ No
If no, for what purpose was the well originally drilled? Production
- 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. NONE

INJECTION WELL DATA SHEET

OPERATOR BARBER OIL, Inc. LEASE LC-050797 TURNER FEDERAL
 WELL NO. 6 FOOTAGE LOCATION 660' FNL AND 1980' FWL SECTION 13 TOWNSHIP 20S RANGE 28E

SchematicTabular DataSurface Casing

Size _____" Cemented with _____ sx.

TOC _____ feet determined by _____

Hole size _____

Intermediate Casing

Size _____" Cemented with _____ sx.

TOC _____ feet determined by _____

Hole size _____

Long stringSize 7" Cemented with 100 sx.TOC UNKNOWN feet determined by _____Hole size 8"Total depth 732'Injection interval
826 feet to 845 feet
 (~~perforated~~ or open-hole, indicate which)

Tubing size _____ lined with _____ (material) set in a
 _____ packer at _____ feet.
 (brand and model)

(or describe any other casing-tubing seal).

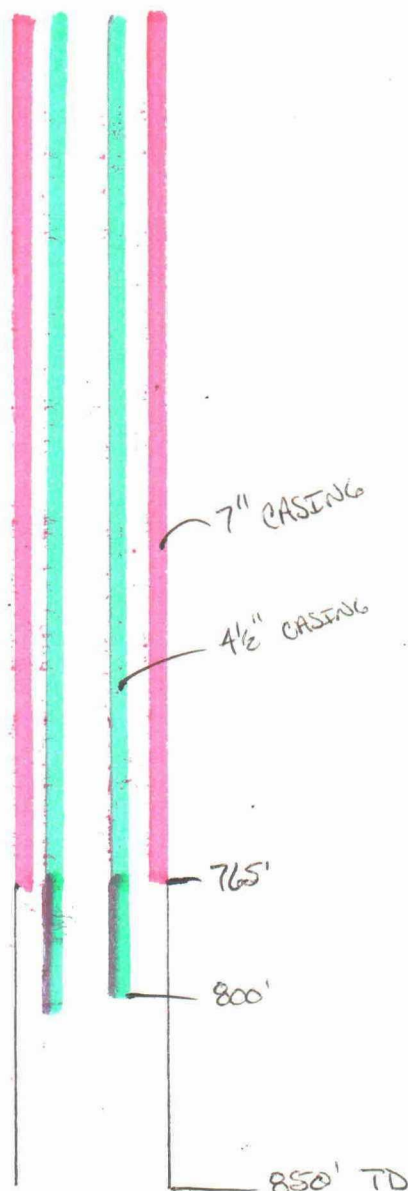
Other Data

- Name of the injection formation YATES
- Name of Field or Pool (if applicable) RUSSELL
- Is this a new well drilled for injection? ☐ Yes ☒ No
If no, for what purpose was the well originally drilled? Production
- 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. NONE

INJECTION WELL DATA SHEET

- BARBER OIL, Inc.
OPERATORLC-050797
LEASE

TURNER FEDERAL

12
WELL NO.2322' FSL AND 2339 FWL
FOOTAGE LOCATION13
SECTION20S
TOWNSHIP28E
RANGESchematicTabular DataSurface Casing

Size _____ " Cemented with _____ sx.

TOC _____ feet determined by _____

Hole size _____

Intermediate Casing

Size _____ " Cemented with _____ sx.

TOC _____ feet determined by _____

Hole size _____

Long stringSize 4 1/2" + 7" Cemented with 100 sx.TOC UNKNOWN feet determined by _____Hole size 8"Total depth 765'Injection interval826 feet to 860 feet
(~~perforated~~ or open-hole, indicate which)

Tubing size _____ lined with _____ set in a
(material)
_____ packer at _____ feet.
(brand and model)

(or describe any other casing-tubing seal).

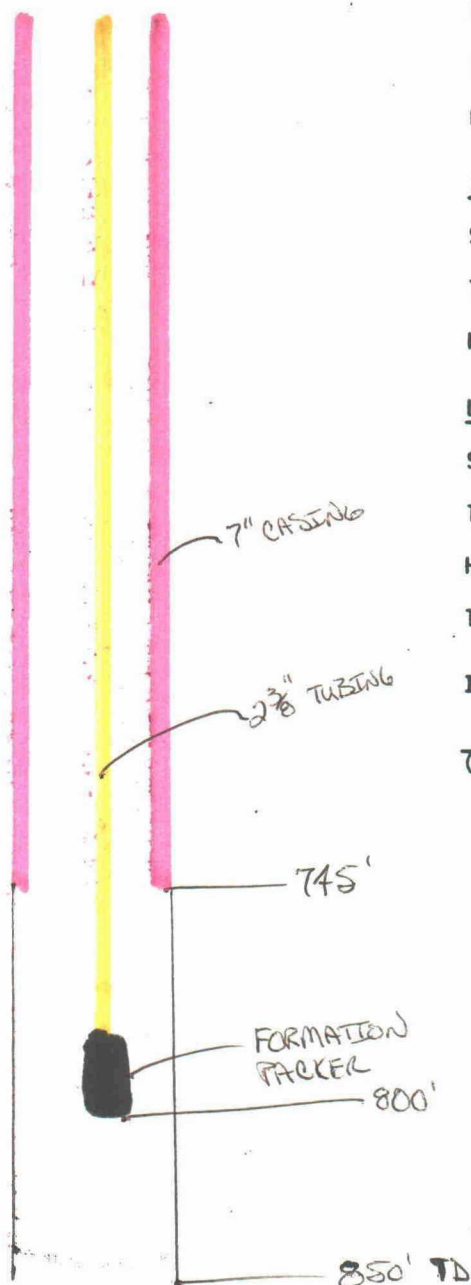
Other Data

- Name of the injection formation YATES
- Name of Field or Pool (if applicable) RUSSELL
- Is this a new well drilled for injection? ☐ Yes ☒ No
If no, for what purpose was the well originally drilled? PRODUCTION
- 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. NONE

INJECTION WELL DATA SHEET

BARBER OIL, INC.
OPERATORCC-050797
LEASE

TURNER FEDERAL

13
WELL NO.332' FNL AND 2340 FWL
FOOTAGE LOCATION13
SECTION20S
TOWNSHIP28E
RANGESchematicTubular DataSurface Casing

Size _____" Cemented with _____ sx.

TOC _____ feet determined by _____

Hole size _____

Intermediate Casing

Size _____" Cemented with _____ sx.

TOC _____ feet determined by _____

Hole size _____

Long stringSize 7" Cemented with 100 sx.TOC UNKNOWN feet determined by _____Hole size 8"Total depth 745'Injection interval808 feet to 845 feet
(perforated or open-hole, indicate which)

Tubing size 2 3/8" lined with CEMENT set in a
(material)
LYNES 2" X 4 1/4" packer at 800 feet.
(brand and model)

(or describe any other casing-tubing seal).

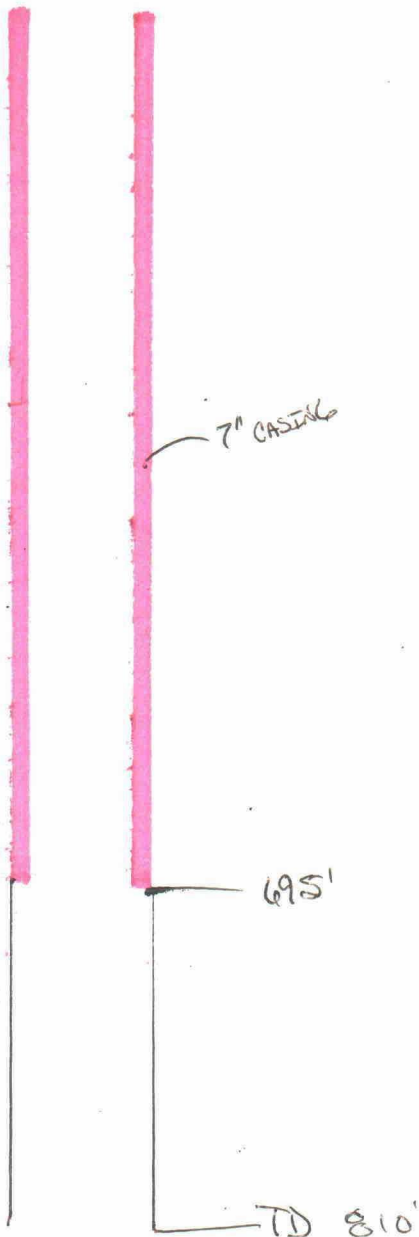
Other Data

- Name of the injection formation YATES
- Name of field or Pool (if applicable) RUSSELL
- Is this a new well drilled for injection? ☐ Yes ☒ No
If no, for what purpose was the well originally drilled? PRODUCTION
- 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. NONE

INJECTION WELL DATA SHEET

OPERATOR BARBER OIL INC. LEASE CC-050797 TURNER, FEDERAL
 WELL NO. 15 FOOTAGE LOCATION 331 FSL AND 11669 FWL SECTION 13 TOWNSHIP 20S RANGE 28E

Schematic



Tabular Data

Surface Casing

Size _____ " Cemented with _____ sx.
 TOC _____ feet determined by _____
 Hole size _____

Intermediate Casing

Size _____ " Cemented with _____ sx.
 TOC _____ feet determined by _____
 Hole size _____

Long string

Size 7 " Cemented with 75 sx.
 TOC UNKNOWN feet determined by _____
 Hole size 8"
 Total depth 695'

Injection interval

789 feet to 808 feet
 (perforated or open-hole, indicate which)

Tubing size _____ lined with _____ set in a
 (material)
 _____ packer at _____ feet.
 (brand and model)

(or describe any other casing-tubing seal).

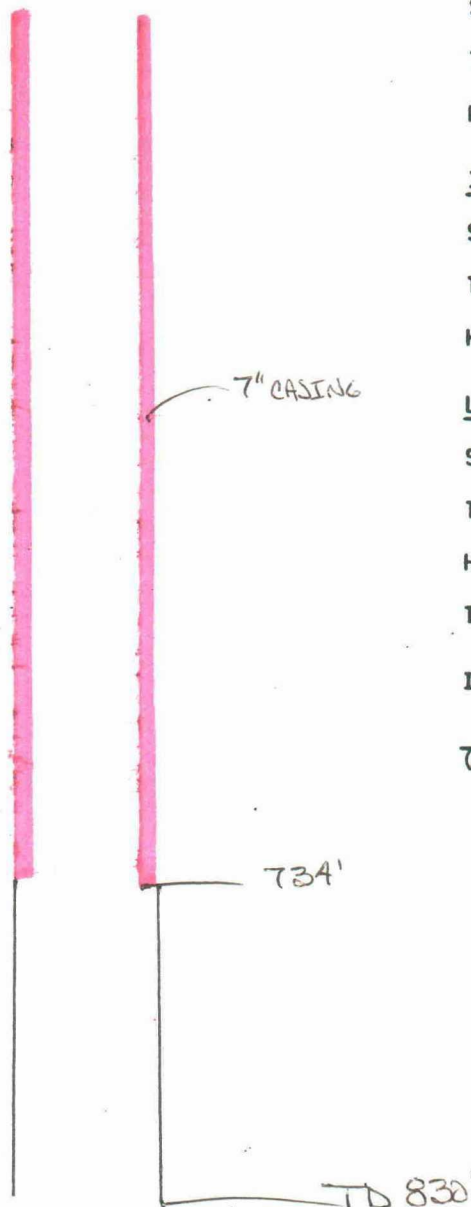
Other Data

- Name of the injection formation YATES
- Name of Field or Pool (if applicable) RUSSELL
- Is this a new well drilled for injection? ☐ Yes ☒ No
If no, for what purpose was the well originally drilled? PRODUCTION
- 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. NONE

INJECTION WELL DATA SHEET

BARBER OIL, INC. CC-050797 TURNER FEDERAL
OPERATOR LEASE
18 1658' FWL AND 2339' FWL 13 20s 28E
WELL NO. FOOTAGE LOCATION SECTION TOWNSHIP RANGE

Schematic



Tabular Data

Surface Casing

Size _____ " Cemented with _____ sx.
 TOC _____ feet determined by _____
 Hole size _____

Intermediate Casing

Size _____ " Cemented with _____ sx.
 TOC _____ feet determined by _____
 Hole size _____

Long string

Size 7 " Cemented with 75 sx.
 TOC UNKNOWN feet determined by _____
 Hole size 8 "
 Total depth 734'

Injection interval

799 feet to 829 feet
 (~~perforated~~ or open-hole, indicate which)

Tubing size _____ lined with _____ set in a
 _____ (material)
 _____ packer at _____ feet.
 _____ (brand and model)
 (or describe any other casing-tubing seal).

Other Data

- Name of the injection formation YATES
- Name of Field or Pool (if applicable) RUSSELL
- Is this a new well drilled for injection? ☐ Yes ☒ No
If no, for what purpose was the well originally drilled? PRODUCTION
- 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. NONE

INJECTION WELL DATA SHEET

BARBER OIL, INC.
OPERATOR

CC-050797
LEASE

TURNER FEDERAL

21
WELL NO.

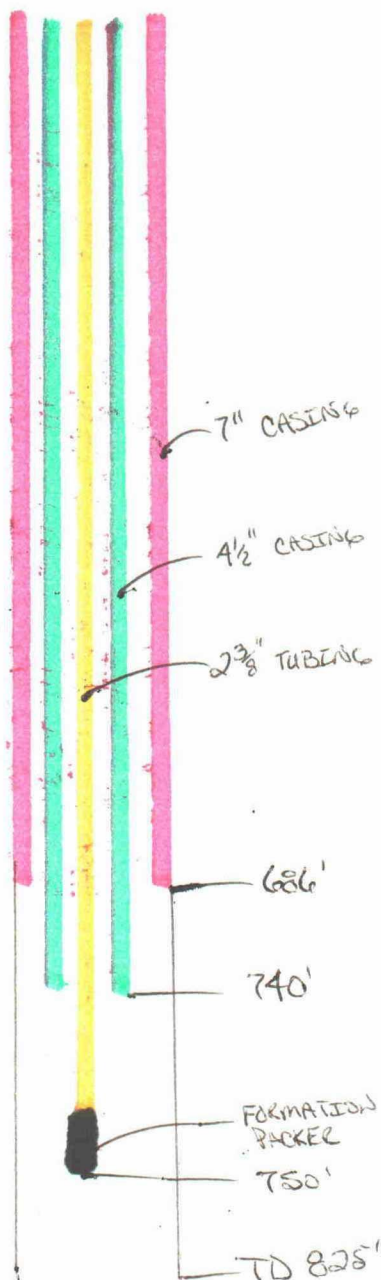
959' FSL AND 2339 FWL
FOOTAGE LOCATION

13
SECTION

20S
TOWNSHIP

28E
RANGE

Schematic



Tubular Data

Surface Casing

Size _____" Cemented with _____ sx.

TOC _____ feet determined by _____

Hole size _____

Intermediate Casing

Size _____" Cemented with _____ sx.

TOC _____ feet determined by _____

Hole size _____

Long string

Size 4 1/2 + 7" Cemented with 125 sx.

TOC UNKNOWN feet determined by _____

Hole size 8"

Total depth 686'

Injection interval

789 feet to 819 feet
(perforated or open-hole, indicate which)

Tubing size 2 3/8" lined with PLASTIC set in a
(material)
ARROW TYPE SC 2" X 4" packer at 750 feet.
(brand and model)

(or describe any other casing-tubing seal).

Other Data

- Name of the injection formation YATES
- Name of Field or Pool (if applicable) RUSSELL
- Is this a new well drilled for injection? ☐ Yes ☒ No
If no, for what purpose was the well originally drilled? PRODUCTION
- 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. NONE

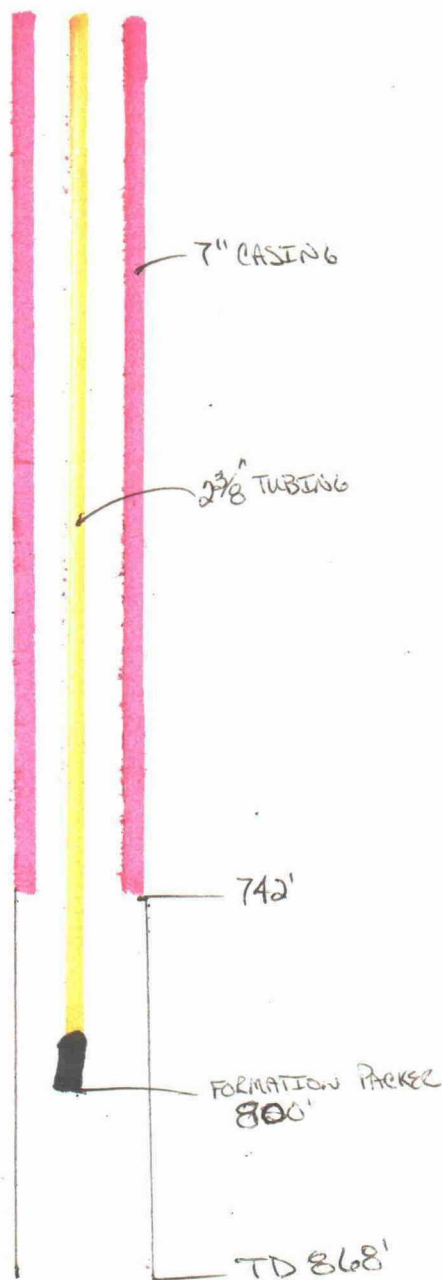
INJECTION WELL DATA SHEET

BARBER OIL, INC.
OPERATORLC-050797
LEASE

TURNER FEDERAL

22
WELL NO.2322 FSL AND 1669 FEL
FOOTAGE LOCATION13
SECTION20S
TOWNSHIP28E
RANGE

Schematic



Tubular Data

Surface Casing

Size _____" Cemented with _____ sx.

TOC _____ feet determined by _____

Hole size _____

Intermediate Casing

Size _____" Cemented with _____ sx.

TOC _____ feet determined by _____

Hole size _____

Long string

Size 7" Cemented with 125 sx.TOC UNKNOWN feet determined by _____Hole size 8"Total depth 742'

Injection interval

846' feet to 868 feet
(perforated or open-hole, indicate which)

Tubing size 2 3/8" lined with CEMENT set in a
(material)
COLUMBERSON 2X 7" packer at 800 feet.
(brand and model)

(or describe any other casing-tubing seal).

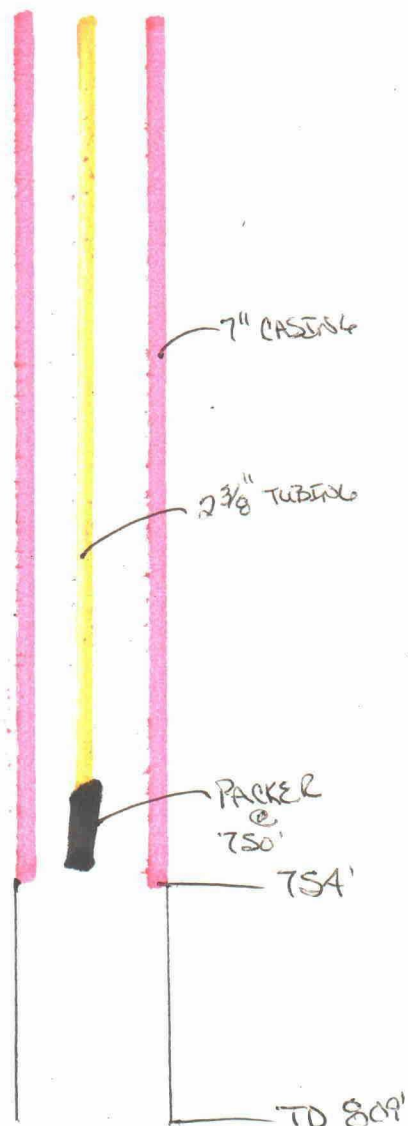
Other Data

- Name of the injection formation YATES
- Name of Field or Pool (if applicable) RUSSELL
- Is this a new well drilled for injection? ☐ Yes ☒ No
If no, for what purpose was the well originally drilled? Production
- 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. None

INJECTION WELL DATA SHEET

OPERATOR BARBER OIL, INC. LEASE LC-050797 LAND WELLS FEDERAL
 WELL NO. 2 FOOTAGE LOCATION 660' FSL 660' FUL SECTION 13 TOWNSHIP 20S RANGE 28E

Schematic



Tabular Data

Surface Casing

Size _____" Cemented with _____ sx.
 TOC _____ feet determined by _____
 Hole size _____

Intermediate Casing

Size _____" Cemented with _____ sx.
 TOC _____ feet determined by _____
 Hole size _____

Long string

Size 7" Cemented with SO sx.
 TOC UNKNOWN feet determined by _____
 Hole size 8"
 Total depth 754

Injection interval

785 feet to 809 feet
 (perforated or open-hole, indicate which)

Tubing size 2 3/8 lined with _____ set in a _____
 (material)
LYNES 2X 1 1/4 packer at 750 feet.
 (brand and model)

(or describe any other casing-tubing seal).

Other Data

- Name of the injection formation YATES
- Name of Field or Pool (if applicable) RUSSELL
- Is this a new well drilled for injection? ☐ Yes ☒ No
If no, for what purpose was the well originally drilled? PRODUCTION
- 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. NONE

INJECTION WELL DATA SHEET

OPERATOR BARRIER OIL, INC.

LEASE LC-050797

WELLS FEDERAL

WELL NO. 5

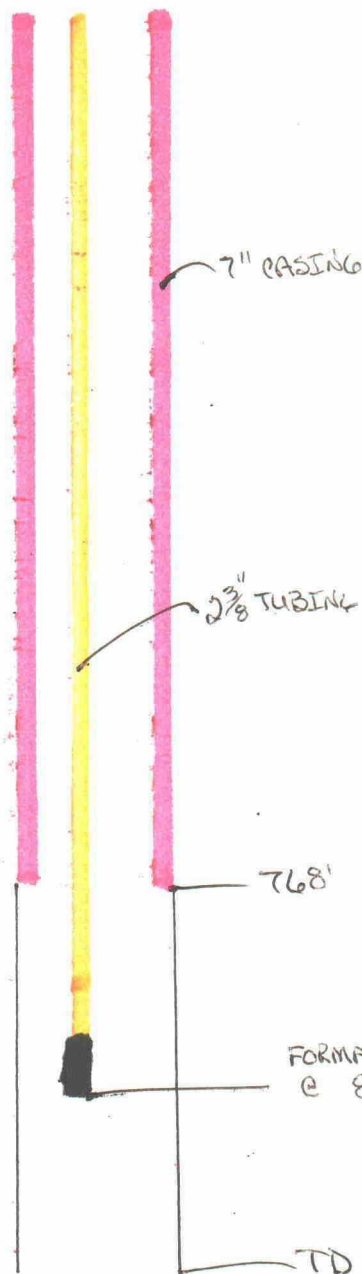
FOOTAGE LOCATION 990' FWL AND 330' FWL

SECTION 13

TOWNSHIP 20S

RANGE 28E

Schematic



Tabular Data

Surface Casing

Size _____" Cemented with _____ sx.

TOC _____ feet determined by _____

Hole size _____

Intermediate Casing

Size _____" Cemented with _____ sx.

TOC _____ feet determined by _____

Hole size _____

Long string

Size 7" Cemented with 125 sx.

TOC UNKNOWN feet determined by _____

Hole size 8"

Total depth 768

Injection interval

828 feet to 856 feet
(perforated or open-hole, indicate which)

Tubing size 2 3/8" lined with CEMENT set in a
(material)
CYNES 2" X 4" 4" packer at 800 feet.
(brand and model)

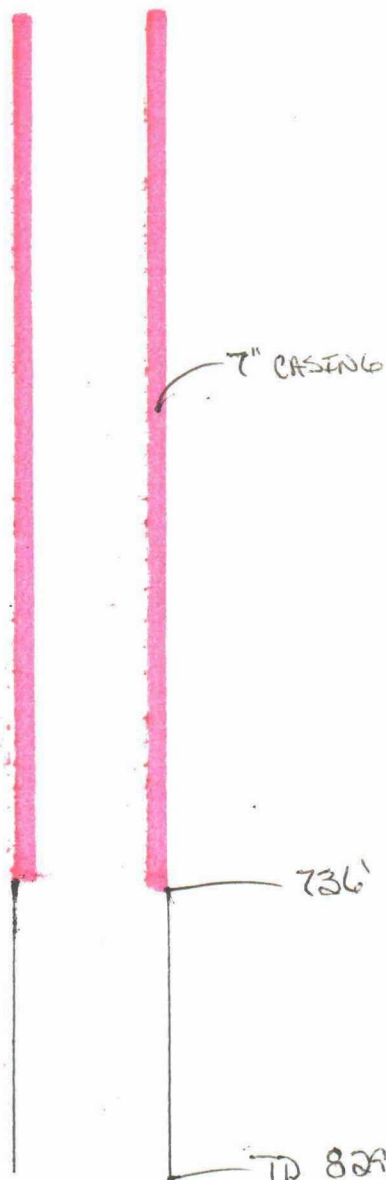
(or describe any other casing-tubing seal).

Other Data

- Name of the injection formation YATES
- Name of Field or Pool (if applicable) RUSSELL
- Is this a new well drilled for injection? ☐ Yes ☒ No
If no, for what purpose was the well originally drilled? PRODUCTION
- 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. NONE

INJECTION WELL DATA SHEET

OPERATOR BARBER Oil Inc. LEASE 10-050797 WELLS FEDERAL
 WELL NO. 6 FOOTAGE LOCATION 996' FSL AND 1005 FWL SECTION 13 TOWNSHIP 20S RANGE 28E

SchematicTabular DataSurface Casing

Size _____" Cemented with _____sx.

TOC _____ feet determined by _____

Hole size _____

Intermediate Casing

Size _____" Cemented with _____sx.

TOC _____ feet determined by _____

Hole size _____

Long stringSize 7" Cemented with 75 sx.TOC UNKNOWN feet determined by _____Hole size 8"Total depth 736'Injection interval
803 feet to 829 feet
 (~~perforated~~ or open-hole, indicate which)

Tubing size _____ lined with _____ set in a
 _____ (material)
 _____ packer at _____ feet.
 _____ (brand and model)

(or describe any other casing-tubing seal).

Other Data

- Name of the injection formation YATES
- Name of Field or Pool (if applicable) RUSSELL
- Is this a new well drilled for injection? ☐ Yes ☒ No
If no, for what purpose was the well originally drilled? PRODUCTION
- 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. NONE

INJECTION WELL DATA SHEET

OPERATOR BARBER OIL, INC LEASE CC-050797 WILLS FEDERAL
 WELL NO. 8 FOOTAGE LOCATION 996' ENL 1005 FEL SECTION 13 TOWNSHIP 20S RANGE 28E

Schematic



Tabular Data

Surface Casing

Size _____" Cemented with _____ sx.
 TOC _____ feet determined by _____
 Hole size _____

Intermediate Casing

Size _____" Cemented with _____ sx.
 TOC _____ feet determined by _____
 Hole size _____

Long string

Size _____" Cemented with 100 sx.
 TOC UNKNOWN feet determined by _____
 Hole size 8"
 Total depth 738'

Injection interval

857 feet to 872 feet
 (~~perforated~~ or open-hole, indicate which)

Tubing size _____ lined with _____ set in a
 (material)
 _____ packer at _____ feet.
 (brand and model)

(or describe any other casing-tubing seal).

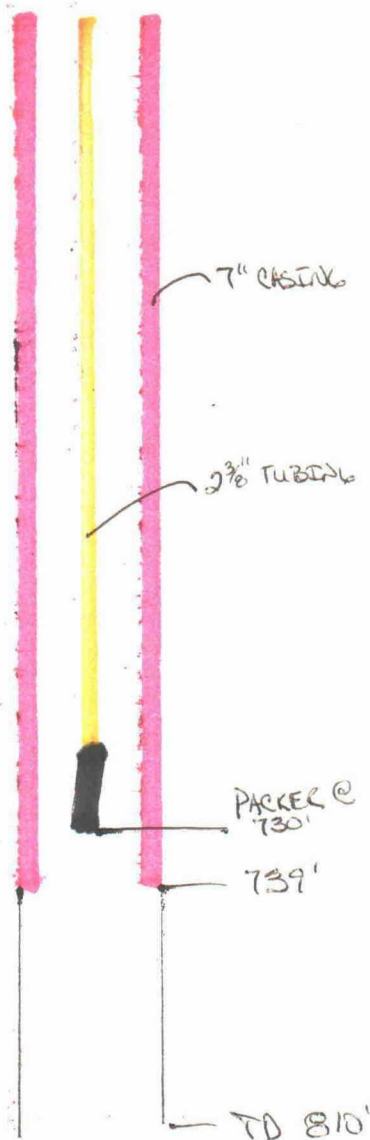
Other Data

- Name of the injection formation YATES
- Name of Field or Pool (if applicable) RUSSELL
- Is this a new well drilled for injection? ☐ Yes ☒ No
If no, for what purpose was the well originally drilled? PRODUCTION
- 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. NONE

INJECTION WELL DATA SHEET

OPERATOR BARBER OIL, Inc LEASE LC-050797 WILLS FEO.
 WELL NO. 10X FOOTAGE LOCATION 2322' FSL And 1005 FWL SECTION 13 TOWNSHIP 20S RANGE 28E

Schematic



Tabular Data

Surface Casing

Size _____" Cemented with _____ sx.
 TOC _____ feet determined by _____
 Hole size _____

Intermediate Casing

Size _____" Cemented with _____ sx.
 TOC _____ feet determined by _____
 Hole size _____

Long string

Size _____" Cemented with 100 sx.
 TOC UNKNOWN feet determined by _____
 Hole size 8"
 Total depth 739'

Injection interval

775 feet to 800 feet
 (~~perforated~~ or open-hole, indicate which)

Tubing size 2 3/8" lined with _____ set in a
 _____ (material)
Centerson 2"x 7" packer at 730 feet.
 (brand and model)

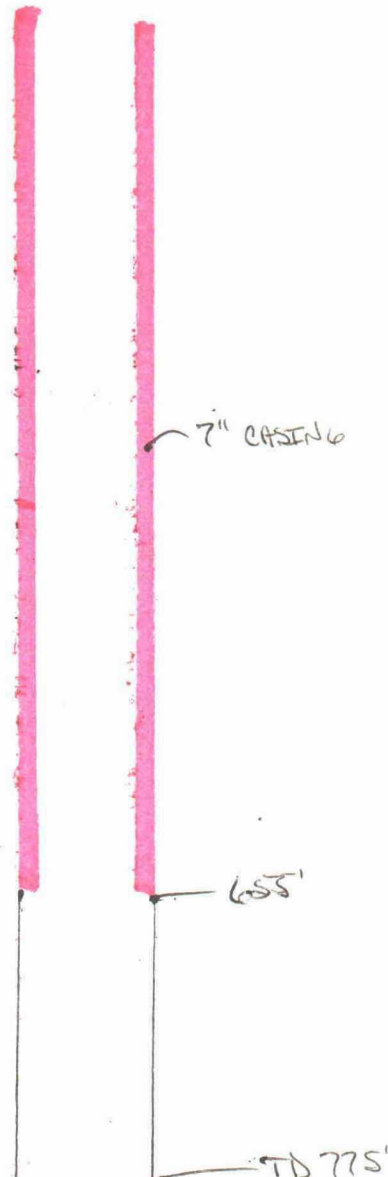
(or describe any other casing-tubing seal).

Other Data

- Name of the injection formation YATES
- Name of Field or Pool (if applicable) RUSSELL
- Is this a new well drilled for injection? ☐ Yes ☒ No
If no, for what purpose was the well originally drilled? PRODUCTION
- 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. NONE

INJECTION WELL DATA SHEET

BARREL OIL, Inc. LC-050797 Waus Fed.
 OPERATOR LEASE
14 330 FSL - 330 FEL 13 20s 28E
 WELL NO. FOOTAGE LOCATION SECTION TOWNSHIP RANGE

SchematicTabular DataSurface Casing

Size _____" Cemented with _____ sx.

TOC _____ feet determined by _____

Hole size _____

Intermediate Casing

Size _____" Cemented with _____ sx.

TOC _____ feet determined by _____

Hole size _____

Long stringSize 7" Cemented with 125 sx.TOC UNKNOWN feet determined by _____Hole size 8"Total depth 655Injection interval
756 feet to 770 feet
 (~~perforated~~ or open-hole, indicate which)

Tubing size _____ lined with _____ set in a
 _____ (material)
 _____ packer at _____ feet.
 _____ (brand and model)

(or describe any other casing-tubing seal).

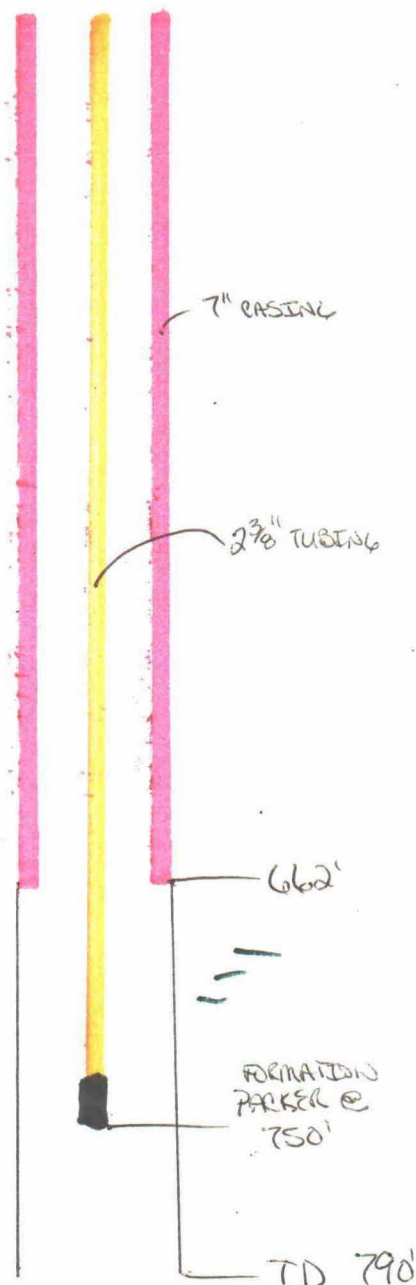
Other Data

- Name of the injection formation YATES
- Name of Field or Pool (if applicable) RUSSELL
- Is this a new well drilled for injection? ☐ Yes ☒ No
If no, for what purpose was the well originally drilled? Production
- 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. NONE

INJECTION WELL DATA SHEET

BARBER OIL, INC.
OPERATORCC-050797
LEASE

WILCOX FED.

15
WELL NO.996' FSL AND 330' FEL
FOOTAGE LOCATION14
SECTION20S
TOWNSHIP28E
RANGESchematicTabular DataSurface Casing

Size _____ " Cemented with _____ sx.

TOC _____ feet determined by _____

Hole size _____

Intermediate Casing

Size _____ " Cemented with _____ sx.

TOC _____ feet determined by _____

Hole size _____

Long stringSize 7 " Cemented with 12S sx.TOC UNKNOWN feet determined by _____Hole size 8 1/2" TO 784 8" TO 784 TO 784Total depth 662Injection interval764 feet to 784 feet
(perforated or open-hole, indicate which)

Tubing size 2 3/8 lined with CEMENT set in a
(material)
COOPERBROOK 2" X 7" packer at 750 feet.
(brand and model)

(or describe any other casing-tubing seal).

Other Data

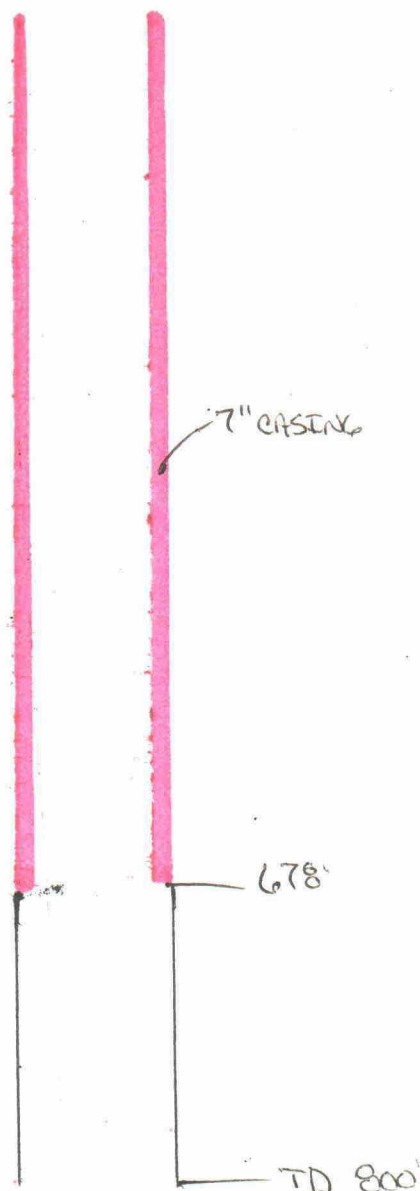
- Name of the injection formation YATES
- Name of Field or Pool (if applicable) RUSSELL
- Is this a new well drilled for injection? ☐ Yes ☒ No
If no, for what purpose was the well originally drilled? Production
- Has the well ever been perforated in any other zone(s)? List all such perforated intervals 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. NONE

INJECTION WELL DATA SHEET

OPERATOR BARREL OIL, Inc.

LEASE CC-050797 Wills Fed.

WELL NO. 17 FOOTAGE LOCATION 13 SECTION 20S TOWNSHIP 28E RANGE

SchematicTabular DataSurface Casing

Size _____" Cemented with _____ sx.

TOC _____ feet determined by _____

Hole size _____

Intermediate Casing

Size _____" Cemented with _____ sx.

TOC _____ feet determined by _____

Hole size _____

Long string

Size 7" Cemented with 12S sx.

TOC unknown feet determined by _____

Hole size 8 1/2"

Total depth 678'

Injection interval

780 feet to 800 feet
(perforated or open-hole, indicate which)

Tubing size _____ lined with _____ set in a
(material)
_____ packer at _____ feet.
(brand and model)

(or describe any other casing-tubing seal).

Other Data

- Name of the injection formation YATES
- Name of Field or Pool (if applicable) RUSSELL
- Is this a new well drilled for injection? ☐ Yes ☒ No
If no, for what purpose was the well originally drilled? Production
- 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. None

INJECTION WELL DATA SHEET

OPERATOR BARBER Oil, Inc

LEASE CC-050797

WILCOX FEO.

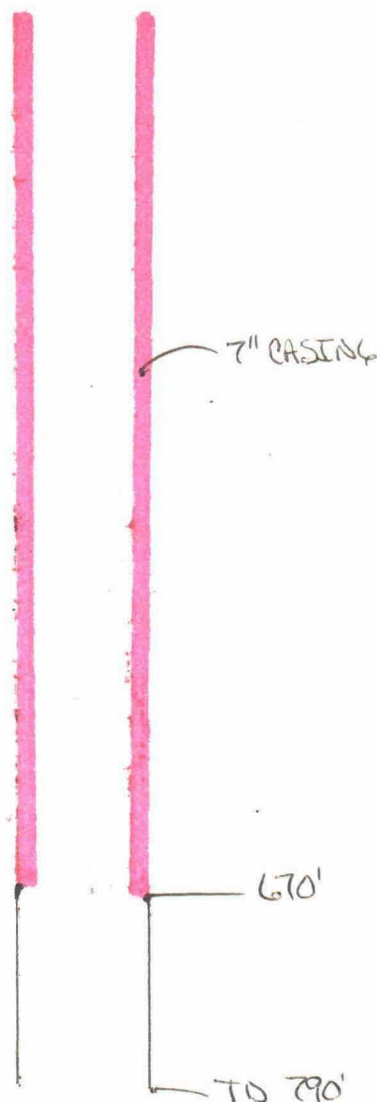
WELL NO. 18

FOOTAGE LOCATION 338' FSL + 350' FWL

SECTION 13

TOWNSHIP 20S

RANGE 28E

SchematicTabular DataSurface Casing

Size _____" Cemented with _____sx.

TOC _____ feet determined by _____

Hole size _____

Intermediate Casing

Size _____" Cemented with _____sx.

TOC _____ feet determined by _____

Hole size _____

Long string

Size 7" Cemented with 150 sx.

TOC UNKNOWN feet determined by _____

Hole size 8 1/2"

Total depth 670'

Injection interval

767 feet to 782 feet
(perforated or open-hole, indicate which)

Tubing size _____ lined with _____ set in a
(material)
_____ packer at _____ feet.
(brand and model)

(or describe any other casing-tubing seal).

Other Data

- Name of the injection formation YATES
- Name of Field or Pool (if applicable) RUSSELL
- Is this a new well drilled for injection? ☐ Yes ☒ No
If no, for what purpose was the well originally drilled? PRODUCTION
- 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. NONE

INJECTION WELL DATA SHEET

- BARBER OIL INC.

LC-050797

WELLS FED.

OPERATOR

LEASE

19

2322' FNL 2333' FEL

13

20s

28E

WELL NO.

FOOTAGE LOCATION

SECTION

TOWNSHIP

RANGE

SchematicTabular DataSurface Casing

Size _____" Cemented with _____sx.

TOC _____ feet determined by _____

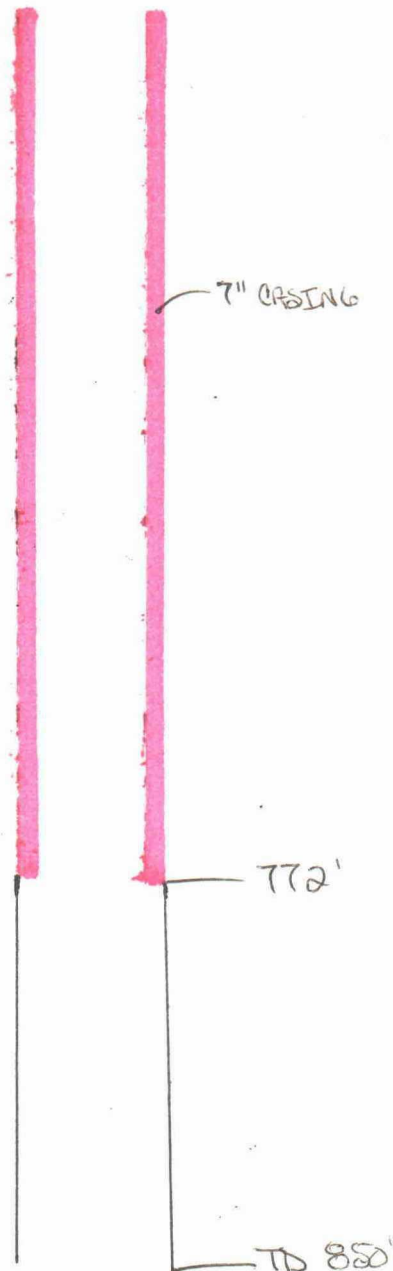
Hole size _____

Intermediate Casing

Size _____" Cemented with _____sx.

TOC _____ feet determined by _____

Hole size _____

Long stringSize _____" Cemented with 150 sx.TOC UNKNOWN feet determined by _____Hole size 8 1/2"Total depth 772'Injection interval829 feet to 849 feet
(perforated or open-hole, indicate which)

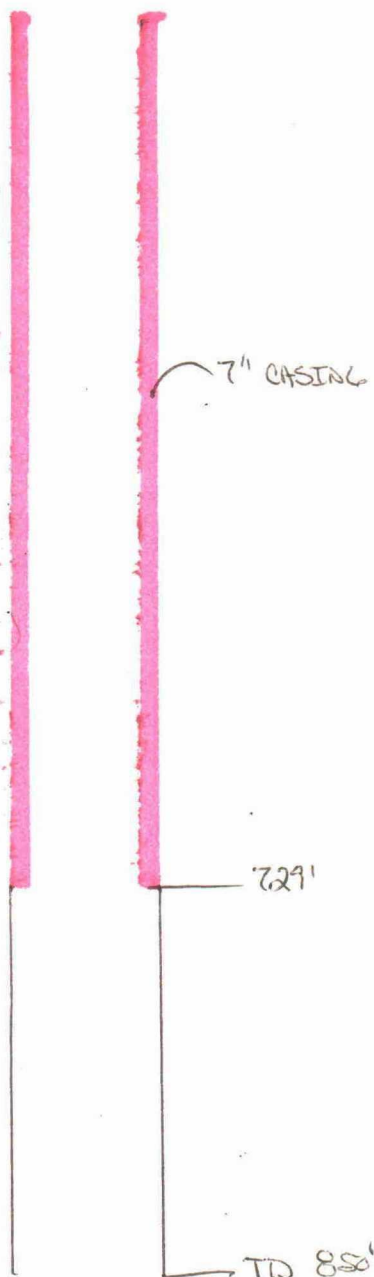
Tubing size _____ lined with _____ set in a
(material)
_____ packer at _____ feet.
(brand and model)

(or describe any other casing-tubing seal).

Other Data1. Name of the injection formation YATES2. Name of Field or Pool (if applicable) RUSSELL3. Is this a new well drilled for injection? ☐ Yes ☒ NoIf no, for what purpose was the well originally drilled? PRODUCTION4. 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) NO5. Give the depth to and name of any overlying and/or underlying oil or gas zones (pools) in this area. NONE

INJECTION WELL DATA SHEET

BARBER OIL INC 11-050797 WILSON FED.
 OPERATOR LEASE
21 1156' FNL + 1165' FEL 13 20S 28E
 WELL NO. FOOTAGE LOCATION SECTION TOWNSHIP RANGE

SchematicTabular DataSurface Casing

Size _____ " Cemented with _____ sx.
 TOC _____ feet determined by _____
 Hole size _____

Intermediate Casing

Size _____ " Cemented with _____ sx.
 TOC _____ feet determined by _____
 Hole size _____

Long string

Size _____ 7" Cemented with 150 sx.
 TOC UNKNOWN feet determined by _____
 Hole size 8 1/2"
 Total depth 729'

Injection interval

832 feet to 848 feet
 (~~perforated~~ or open-hole, indicate which)

Tubing size _____ lined with _____ set in a
 _____ (material)
 _____ packer at _____ feet.
 _____ (brand and model)
 (or describe any other casing-tubing seal).

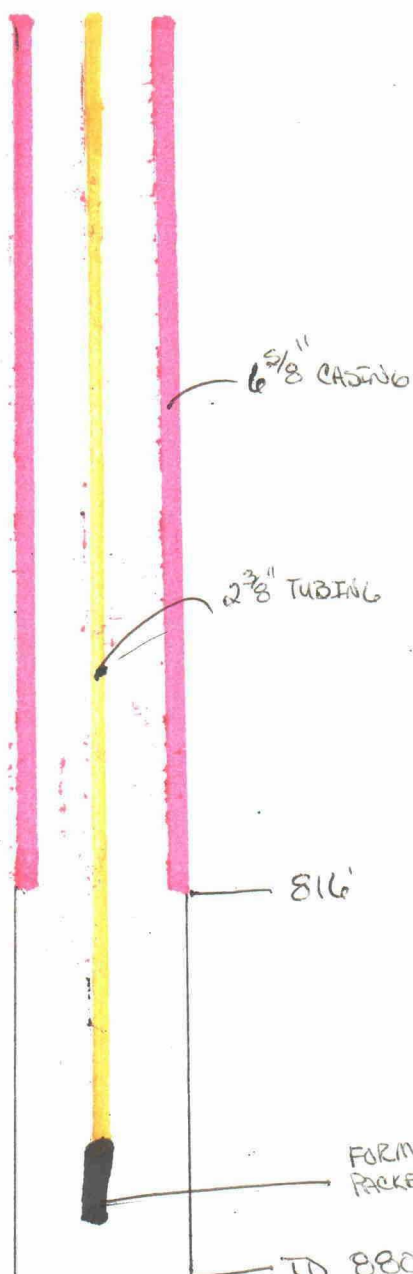
Other Data

- Name of the injection formation YATES
- Name of Field or Pool (if applicable) RUSSELL
- Is this a new well drilled for injection? ☐ Yes ☒ No
If no, for what purpose was the well originally drilled? PRODUCTION
- 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. NONE

INJECTION WELL DATA SHEET

OPERATOR BARREL OIL, Inc. LEASE C-050797 WILLS FED.
 WELL NO. 25 FOOTAGE LOCATION 640' FNL AND 2000' FEL SECTION 13 TOWNSHIP 20S RANGE 28E

Schematic



Tubular Data

Surface Casing

Size _____" Cemented with _____ sx.
 TOC _____ feet determined by _____
 Hole size _____

Intermediate Casing

Size _____" Cemented with _____ sx.
 TOC _____ feet determined by _____
 Hole size _____

Long string

Size 6 5/8" Cemented with 100 sx.
 TOC UNKNOWN feet determined by _____
 Hole size 8 1/2"
 Total depth ~~880~~ 816

Injection interval

850 feet to 873 feet
 (~~perforated~~ or open-hole, indicate which)

Tubing size 2 3/8 lined with _____ set in a _____
 (material)
LYNES 2" X 4 1/4" packer at 845 feet.
 (brand and model)

(or describe any other casing-tubing seal).

Other Data

- Name of the injection formation YATES
- Name of Field or Pool (if applicable) RUSSELL
- Is this a new well drilled for injection? ☐ Yes ☒ No
If no, for what purpose was the well originally drilled? Production
- 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. NONE

INJECTION WELL DATA SHEET

BARBER OIL, INC.

LC-050797 Wells LEASE

OPERATOR

LEASE

26
WELL NO.1305' FNL & 1980' FEL
FOOTAGE LOCATION13
SECTION20S
TOWNSHIP28E
RANGESchematicTabular DataSurface Casing

Size _____" Cemented with _____ sx.

TOC _____ feet determined by _____

Hole size _____

Intermediate Casing

Size _____" Cemented with _____ sx.

TOC _____ feet determined by _____

Hole size _____

Long string

Size _____" Cemented with _____ 100 _____ sx.

TOC unknown feet determined by _____Hole size 8 1/2"Total depth 823'Injection interval826 feet to 846 feet
(~~perforated~~ or open-hole, indicate which)

Tubing size _____ lined with _____ set in a _____
(material)
_____ packer at _____ feet.
(brand and model)

(or describe any other casing-tubing seal).

Other Data1. Name of the injection formation YATES2. Name of Field or Pool (if applicable) RUSSELL3. Is this a new well drilled for injection? ☐ Yes ☒ NoIf no, for what purpose was the well originally drilled? Production4. 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) NO5. Give the depth to and name of any overlying and/or underlying oil or gas zones (pools) in this area. NONE

INJECTION WELL DATA SHEET

BARBER OIL, INC.

LC-050797 Wells LEASE

OPERATOR

LEASE

26
WELL NO.1305' FNL & 1980' FEL
FOOTAGE LOCATION13
SECTION20S
TOWNSHIP28E
RANGESchematicTabular DataSurface Casing

Size _____" Cemented with _____ sx.

TOC _____ feet determined by _____

Hole size _____

Intermediate Casing

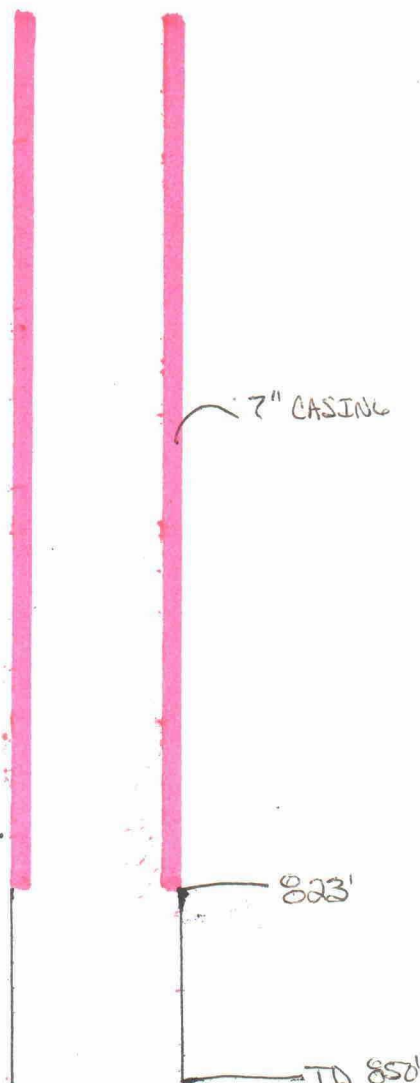
Size _____" Cemented with _____ sx.

TOC _____ feet determined by _____

Hole size _____

Long string

Size _____" Cemented with _____ 100 _____ sx.

TOC unknown feet determined by _____Hole size 8 1/2"Total depth 823'Injection interval826 feet to 846 feet
(~~perforated~~ or open-hole, indicate which)

Tubing size _____ lined with _____ set in a _____
(material)
_____ packer at _____ feet.
(brand and model)

(or describe any other casing-tubing seal).

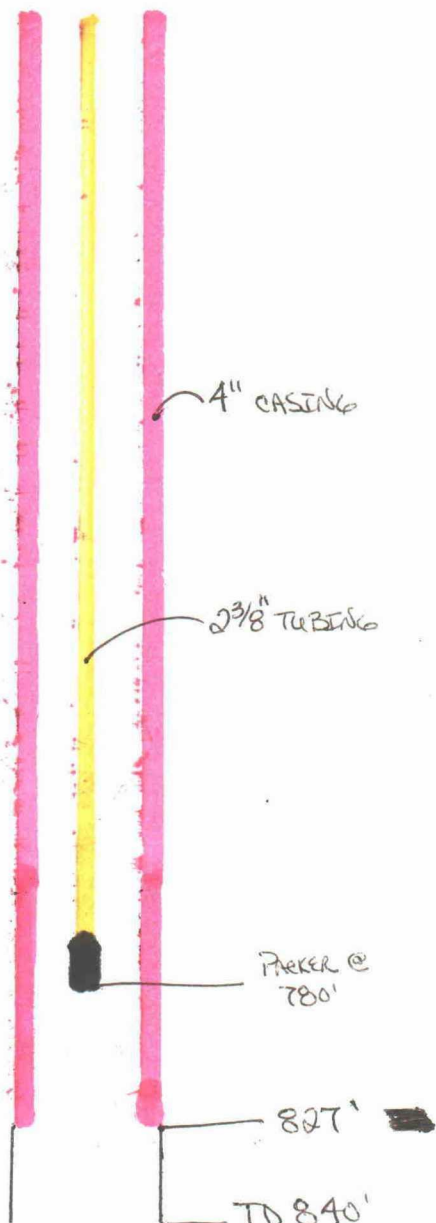
Other Data

- Name of the injection formation YATES
- Name of Field or Pool (if applicable) RUSSELL
- Is this a new well drilled for injection? ☐ Yes ☒ No
If no, for what purpose was the well originally drilled? Production
- 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. NONE

INJECTION WELL DATA SHEET

OPERATOR BARBER DEL TNC. LEASE LC-050797 Wells Fed.
 WELL NO. 27 FOOTAGE LOCATION 1325' FSL & 660' FWL SECTION 13 TOWNSHIP 20s RANGE 28E

Schematic



Tabular Data

Surface Casing

Size _____" Cemented with _____ sx.

TOC _____ feet determined by _____

Hole size _____

Intermediate Casing

Size _____" Cemented with _____ sx.

TOC _____ feet determined by _____

Hole size _____

Long string

Size 4" Cemented with 450 sx.TOC UNKNOWN feet determined by _____Hole size 5 1/2"Total depth 827'

Injection interval

791 feet to 819 feet
 (perforated or ~~open hole~~, indicate which)

Tubing size 2 3/8 lined with CEMENT set in a
 (material)
GUERBERSON 2' X 4" packer at 780 feet.
 (brand and model)

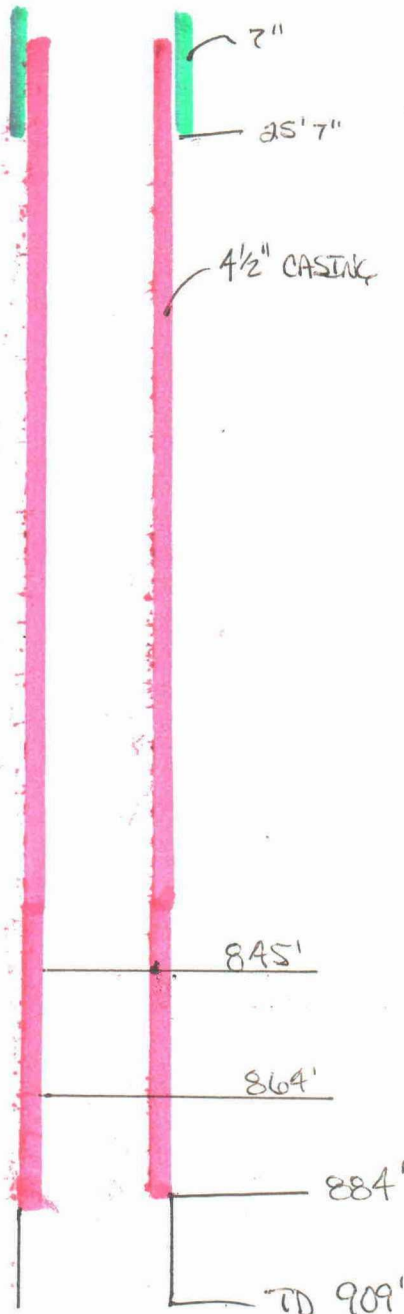
(or describe any other casing-tubing seal).

Other Data

1. Name of the injection formation YATES2. Name of Field or Pool (if applicable) RUSSELL3. Is this a new well drilled for injection? ☐ Yes ☒ NoIf no, for what purpose was the well originally drilled? PRODUCTION4. 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) No5. Give the depth to and name of any overlying and/or underlying oil or gas zones (pools) in this area. NONE

INJECTION WELL DATA SHEET

BARBER OIL, INC CC-050797 WELLS FEO.
OPERATOR LEASE
30 2310' FNL + 990' FEL 13 20S 28E
WELL NO. FOOTAGE LOCATION SECTION TOWNSHIP RANGE

SchematicTabular DataSurface Casing

Size _____ " Cemented with _____ sx.
 TOC _____ feet determined by _____
 Hole size _____

Intermediate Casing 1 JT.

Size 7 " as conductor Cemented with 10 sx.
 TOC _____ feet determined by _____
 Hole size 8 1/2 "

Long string

Size 4 1/2 " Cemented with 287 sx.
 TOC 225' feet determined by TS
 Hole size 6 1/4 "
 Total depth 884

Injection interval

845 feet to 864 feet
 (perforated or ~~open hole~~, indicate which)

Tubing size _____ lined with _____ (material) set in a
 _____ packer at _____ feet.
 (brand and model)

(or describe any other casing-tubing seal).

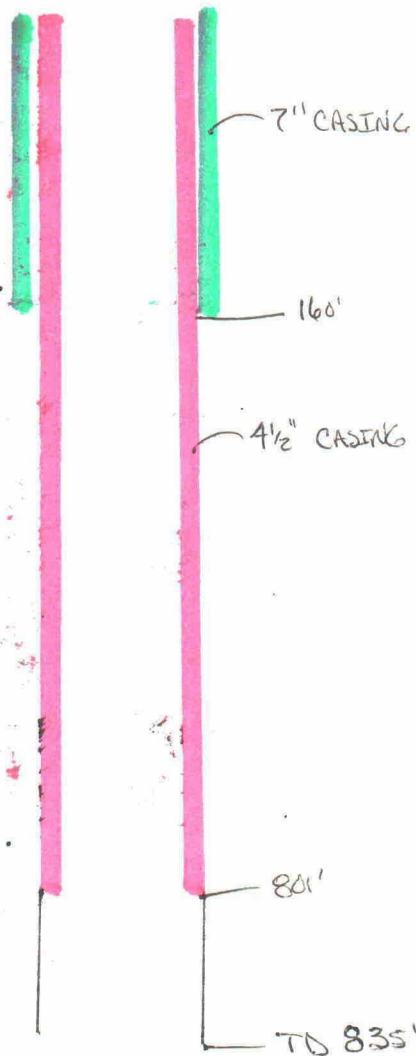
Other Data

- Name of the injection formation YATES
- Name of Field or Pool (if applicable) RUSSELL
- Is this a new well drilled for injection? ☐ Yes ☒ No
If no, for what purpose was the well originally drilled? Production
- 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. NONE

INJECTION WELL DATA SHEET

OPERATOR BARBER OIL, Inc. LEASE CC-050797 Wells Fed.
 WELL NO. 33 FOOTAGE LOCATION 1330' FSL + 1980' FWL SECTION 13 TOWNSHIP 20s RANGE 28E

Schematic



Tabular Data

Surface Casing

Size _____" Cemented with _____ sx.

TOC _____ feet determined by _____

Hole size _____

Intermediate Casing

Size 7" Cemented with 15 sx.

TOC _____ feet determined by _____

Hole size 8 1/2"

Long string

Size 4 1/2" Cemented with 160 sx.TOC unknown feet determined by _____Hole size 6 1/4"Total depth 801

Injection interval

800 feet to 800 feet
 (perforated or open-hole, indicate which)

Tubing size _____ lined with _____ (material) set in a
 _____ packer at _____ feet.
 (brand and model)

(or describe any other casing-tubing seal).

Other Data

- Name of the injection formation YATES
- Name of field or Pool (if applicable) RUSSELL
- Is this a new well drilled for injection? ☐ Yes ☒ No
If no, for what purpose was the well originally drilled? PRODUCTION
- 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. NONE

INJECTION WELL DATA SHEET

OPERATOR BARBER OIL, INC LEASE LC-050797 Wells Fed.
 WELL NO. 34 FOOTAGE LOCATION 2630' FNL + 1980 FWL SECTION 13 TOWNSHIP 20S RANGE 28E

Schematic



Tabular Data

Surface Casing

Size _____ " Cemented with _____ sx.
 TOC _____ feet determined by _____
 Hole size _____

Intermediate Casing

Size 7 " Cemented with 15 sx.
 TOC _____ feet determined by _____
 Hole size 8 1/2 "

Long string

Size 5 " Cemented with 60 sx.
 TOC UNKNOWN feet determined by _____
 Hole size 6 1/4 "
 Total depth 798 '

Injection interval

799 feet to 808 feet
 (perforated or open-hole, indicate which)

Tubing size 2 3/8 " lined with PLASTIC set in a
 (material)
ARROW TYPE SL 2" X 4" packer at 790 feet.
 (brand and model)

(or describe any other casing-tubing seal).

Other Data

- Name of the injection formation YATES
- Name of Field or Pool (if applicable) RUSSELL
- Is this a new well drilled for injection? ☐ Yes ☒ No
If no, for what purpose was the well originally drilled? PRODUCTION
- 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. NONE

INJECTION WELL DATA SHEET

OPERATOR BARBER OIL, Inc.

LEASE LC-050797 NEW FED.

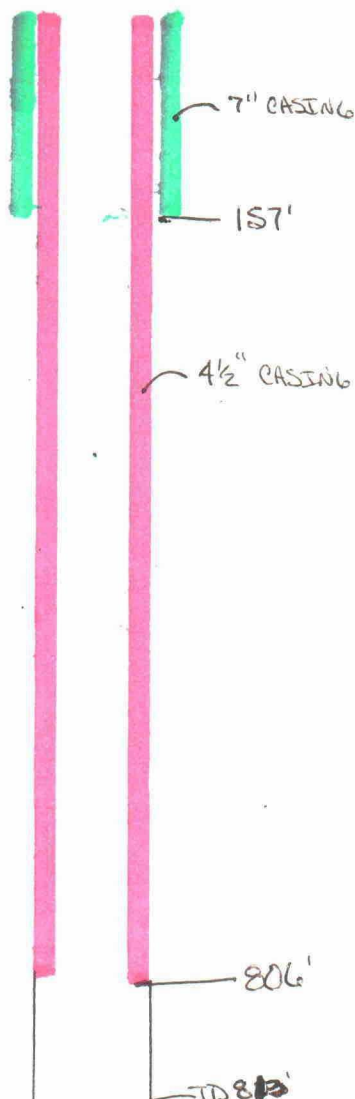
WELL NO. 35

FOOTAGE LOCATION 1980' FNL + 2630 FEL

SECTION 13

TOWNSHIP 20S

RANGE 28E

SchematicTabular DataSurface Casing

Size _____" Cemented with _____ sx.

TOC _____ feet determined by _____

Hole size _____

Intermediate Casing

Size 7" Cemented with 25 sx.

TOC _____ feet determined by _____

Hole size _____

Long string

Size 4 1/2" Cemented with 60 sx.

TOC UNKNOWN feet determined by _____

Hole size 6 1/4"

Total depth 806

Injection interval

767 feet to 806 feet
(perforated or open hole, indicate which)

Tubing size _____ lined with _____ (material) set in a
_____ packer at _____ feet.
(brand and model)

(or describe any other casing-tubing seal).

Other Data

1. Name of the injection formation GATES

2. Name of Field or Pool (if applicable) RUSSELL

3. Is this a new well drilled for injection? ☐ Yes ☒ No

If no, for what purpose was the well originally drilled? PRODUCTION

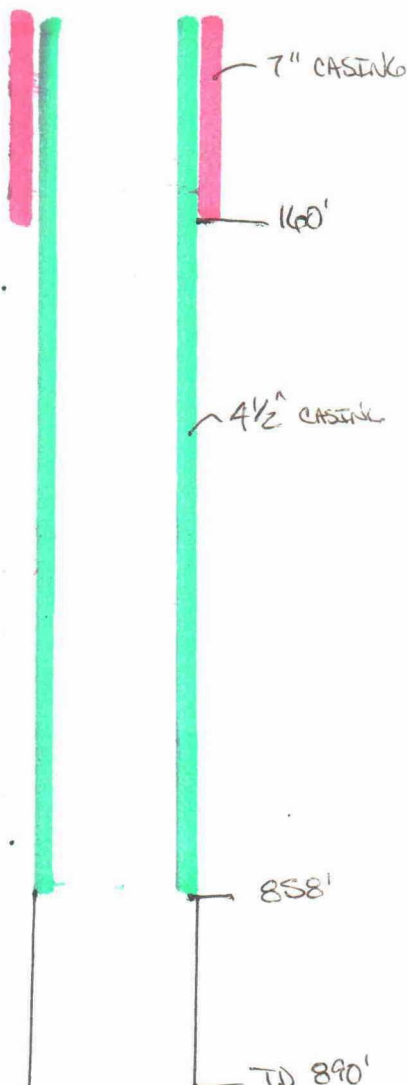
4. Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail (sacks of cement or bridge plug(s) used) NO

5. Give the depth to and name of any overlying and/or underlying oil or gas zones (pools) in this area. NONE

INJECTION WELL DATA SHEET

OPERATOR BARRER OIL INC LEASE LC-050797 WELLS FED. WELLS FED.
 WELL NO. 36 FOOTAGE LOCATION 660' FNL + 1310' FEL SECTION 13 TOWNSHIP 20S RANGE 28E

Schematic



Tabular Data

Surface Casing

Size _____" Cemented with _____ sx.

TOC _____ feet determined by _____

Hole size _____

Intermediate Casing

Size 7" Cemented with 25 sx.

TOC _____ feet determined by _____

Hole size 8 1/2"

Long string

Size 4 1/2" Cemented with 50 sx.TOC unknown feet determined by _____Hole size 6 1/4"Total depth 858'

Injection interval

858 feet to 881 feet
 (perforated or open-hole, indicate which)

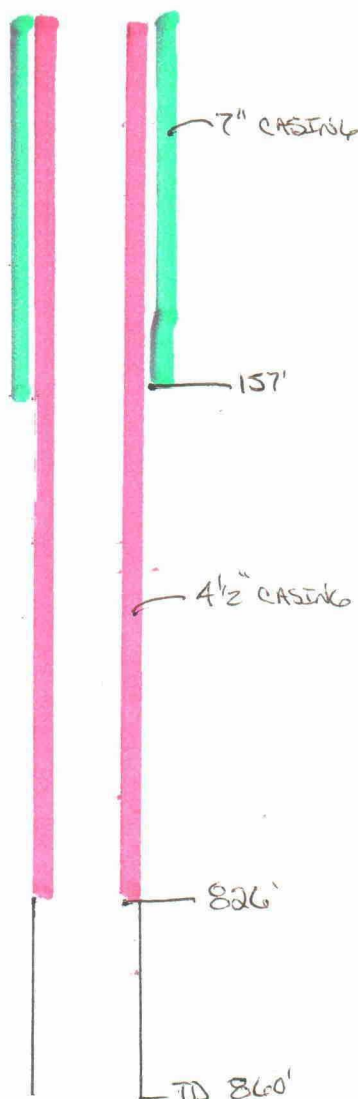
Tubing size _____ lined with _____ (material) set in a
 _____ (brand and model) packer at _____ feet.
 (or describe any other casing-tubing seal).

Other Data

- Name of the injection formation YATES
- Name of Field or Pool (if applicable) RUSSELL
- Is this a new well drilled for injection? ☐ Yes ☒ No
If no, for what purpose was the well originally drilled? Production
- 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. NONE

INJECTION WELL DATA SHEET

OPERATOR BARRER OIL, INC LEASE LC-050797 WELLS FED
 WELL NO. 37 FOOTAGE LOCATION 660' FNL + 2630' FEL SECTION 13 TOWNSHIP 20S RANGE 28E

SchematicTabular DataSurface Casing

Size _____" Cemented with _____ sx.

TOC _____ feet determined by _____

Hole size _____

Intermediate CasingSize _____" Cemented with 26 sx.

TOC _____ feet determined by _____

Hole size 8 1/2"Long stringSize 4 1/2" Cemented with 100 sx.TOC UNKNOWN feet determined by _____Hole size 6 1/4"Total depth 826'Injection interval
832 feet to 854 feet
 (~~perforated~~ or open-hole, indicate which)

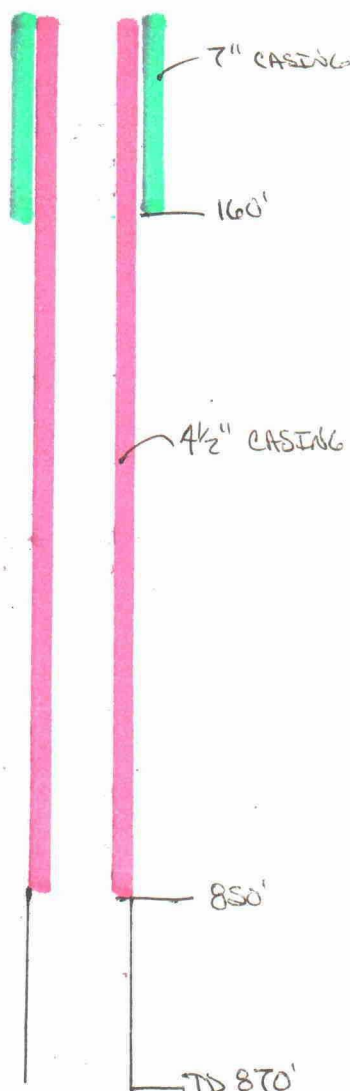
Tubing size _____ lined with _____ set in a
 _____ (material)
 _____ (brand and model) packer at _____ feet.

(or describe any other casing-tubing seal).

Other Data1. Name of the injection formation YATES2. Name of Field or Pool (if applicable) RUSSELL3. Is this a new well drilled for injection? ☐ Yes ☒ NoIf no, for what purpose was the well originally drilled? PRODUCTION4. 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) NO5. Give the depth to and name of any overlying and/or underlying oil or gas zones (pools) in this area. NONE

INJECTION WELL DATA SHEET

OPERATOR BARBER OIL INC LEASE CC-050797 WELLS FED. WELLS FED.
 WELL NO. 39 FOOTAGE LOCATION 2630' FNL + 1980 FEL SECTION 13 TOWNSHIP 20S RANGE 28E

SchematicTabular DataSurface Casing

Size _____" Cemented with _____ sx.

TOC _____ feet determined by _____

Hole size _____

Intermediate CasingSize 7" Cemented with 15 sx.

TOC _____ feet determined by _____

Hole size 8 1/2"Long stringSize 4 1/2" Cemented with 60 sx.TOC UNKNOWN feet determined by _____Hole size 6 1/4"Total depth 850'Injection interval
850 feet to 863 feet
 (~~perforated~~ or open-hole, indicate which)

Tubing size _____ lined with _____ set in a
 _____ (material)
 _____ packer at _____ feet.
 _____ (brand and model)

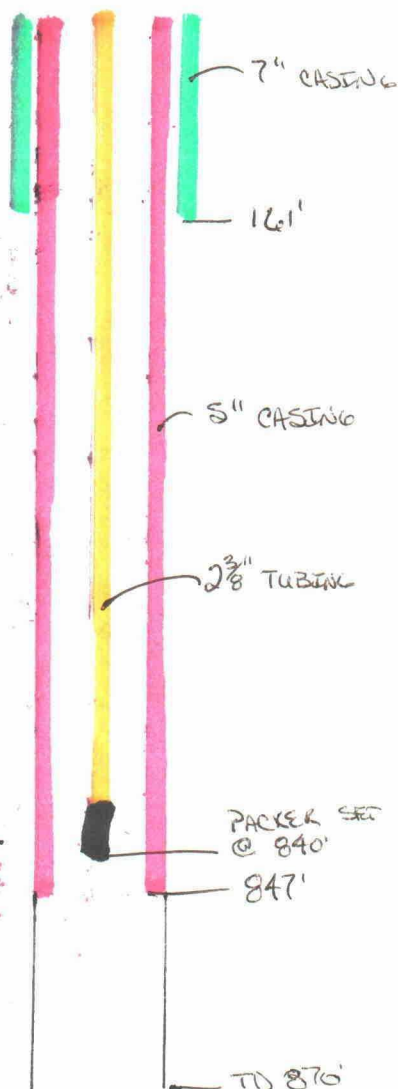
(or describe any other casing-tubing seal).

Other Data1. Name of the injection formation YATES2. Name of Field or Pool (if applicable) RUSSELL3. Is this a new well drilled for injection? ☐ Yes ☒ NoIf no, for what purpose was the well originally drilled? Production4. 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) NO5. Give the depth to and name of any overlying and/or underlying oil or gas zones (pools) in this area. NONE

INJECTION WELL DATA SHEET

OPERATOR BARBER OIL, INC. LEASE CC-050797 WELLS FED.
 WELL NO. 41 FOOTAGE LOCATION 1310' FNL 1310' FEL SECTION 13 TOWNSHIP 20S RANGE 28E

Schematic



Tabular Data

Surface Casing

Size _____" Cemented with _____ sx.
 TOC _____ feet determined by _____
 Hole size _____

Intermediate Casing

Size 7" Cemented with 1S sx.
 TOC _____ feet determined by _____
 Hole size 8 1/2"

Long string

Size 5" Cemented with 60 sx.
 TOC UNKNOWN feet determined by _____
 Hole size 6 3/8"
 Total depth 847'

Injection interval

844 feet to 866 feet
 (perforated or open-hole, indicate which)

Tubing size 2 3/8 lined with PLASTIC (material) set in a
ARROW 2' X 4" packer at 840 feet.
 (brand and model)

(or describe any other casing-tubing seal).

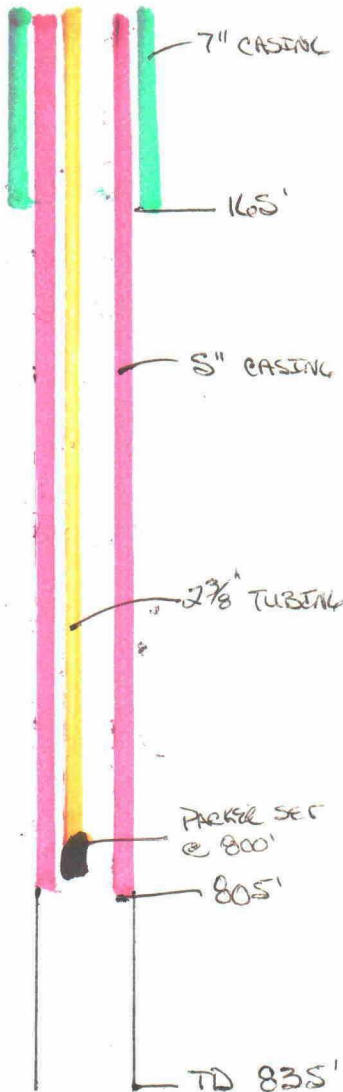
Other Data

- Name of the injection formation YATES
- Name of Field or Pool (if applicable) RUSSELL
- Is this a new well drilled for injection? ☐ Yes ☒ No
If no, for what purpose was the well originally drilled? PRODUCTION
- 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. NONE

INJECTION WELL DATA SHEET

OPERATOR BARBER OIL, Inc. LEASE CC-050797 WILCOX FED.
 WELL NO. 42 FOOTAGE LOCATION 1330' FSL + 1330 FWL SECTION 13 TOWNSHIP 20S RANGE 28E

Schematic



Tabular Data

Surface Casing

Size _____" Cemented with _____ sx.
 TOC _____ feet determined by _____
 Hole size _____

Intermediate Casing

Size 7" Cemented with 15 sx.
 TOC _____ feet determined by _____
 Hole size 8 1/2"

Long string

Size 5" Cemented with 75 sx.
 TOC UNKNOWN feet determined by _____
 Hole size 6 3/8"
 Total depth 805'

Injection interval

802 feet to 826 feet
 (perforated or open-hole, indicate which)

Tubing size 2 3/8" lined with PLASTIC set in a
 (material)
ARROW 2" X 4" packer at 800 feet.
 (brand and model)

(or describe any other casing-tubing seal).

Other Data

- Name of the injection formation YATES
- Name of Field or Pool (if applicable) RUSSELL
- Is this a new well drilled for injection? ☐ Yes ☒ No
If no, for what purpose was the well originally drilled? PRODUCTION
- 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. NONE

INJECTION WELL DATA SHEET

BARKER OIL INC.

CC-050797

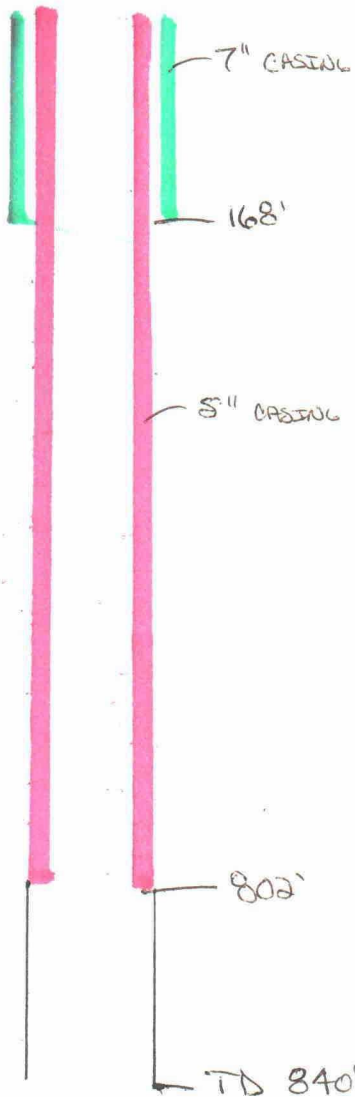
WILLS FLD.

OPERATOR

LEASE

4S
WELL NO.1328 FNL + 2635' FEL
FOOTAGE LOCATION13
SECTION20S
TOWNSHIP28E
RANGE

Schematic



Tabular Data

Surface Casing

Size _____" Cemented with _____ sx.

TOC _____ feet determined by _____

Hole size _____

Intermediate Casing

Size _____" Cemented with _____ 15 _____ sx.

TOC _____ feet determined by _____

Hole size _____ 8 1/2" _____

Long string

Size _____ 5" Cemented with _____ 50 _____ sx.

TOC _____ UNKNOWN _____ feet determined by _____

Hole size _____ 6 3/8" _____

Total depth _____ 802 _____

Injection interval

810 feet to 834 feet
 (perforated or open-hole, indicate which)

Tubing size _____ lined with _____ (material) set in a
 _____ packer at _____ feet.
 (brand and model)

(or describe any other casing-tubing seal).

Other Data

- Name of the injection formation YATES
- Name of Field or Pool (if applicable) RUSSELL
- Is this a new well drilled for injection? ☐ Yes ☒ No
 If no, for what purpose was the well originally drilled? PRODUCTION
- 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. None



STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT
OIL CONSERVATION DIVISION

BRUCE KING
GOVERNOR
LARRY KEHOE
SECRETARY

March 24, 1982

POST OFFICE BOX 2088
STATE LAND OFFICE BUILDING
SANTA FE, NEW MEXICO 87501
(505) 827-2434

Barber Oil, Inc.
P.O. Box 1658
Carlsbad, NM 88220

ATTENTION: Robert S. Light

RE: Exception to Rule 705-A
for Injection Wells

Dear Sir:

Pursuant to your letter of March 4, 1982, requesting exception to Rule 705-A for your injection wells; the Oil Conservation Division (OCD) needs further information to be submitted. The information requested is as follows:

WELL DATA

The following well data must be submitted for each injection well covered by this application. The data must be both in tabular and schematic form and shall include:

- (a) Lease name: Well No.; location by Section, Township, and Range; and footage location within the section.
- (b) Each casing string used with its size and weight setting depth, sacks of cement used, hole size, top of cement, and how such top was determined.
- (c) A description of the tubing to be used including its size, lining material, and setting depth.
- (d) The name, model, and setting depth of the packer used or a description of any other seal system or assembly used.
- (e) The name of the injection formation and, if applicable, the field or pool name. Also list each formation penetrated and tops thereof.
- (f) The injection interval and whether it is perforated or open-hole.
- (g) State if the well was drilled for injection or, if not, the original purpose of the well.
- (h) Give the depths of any other perforated intervals and detail on the sacks of cement or bridge plugs used to seal off such perforations.

-2-

March 24, 1982

- (i) Give the depth to and name of the next higher and next lower oil or gas zone in the area of the well, if any.
- (j) Attach appropriate logs and test data that were run that would substantiate mechanical integrity.
- (k) Submit the date when each injection well was shut-in.
- (l) Specify for each well, anticipated dates for resuming re-injection.
- (m) Relate each injection well to corresponding Division Orders, Case Numbers, and administrative approval (WFX, PMX, SWD, and Storage), where applicable.

Enclosed is a Memo concerning Rule 705-A which might help. If you have any questions regarding this matter, please call me at (505) 827-2533.

Sincerely,

Oscar Simpson
Water Resource Specialist

OS/dp

cc: Hobbs District Office
Artesia District Office

BARBER OIL, INC.
111 West Mermod
Post Office Box 1658
CARLSBAD, NEW MEXICO 88220
(505) 887-2566

March 4, 1982

New Mexico Oil Conservation Division
Energy & Minerals Department
P. O. Box 2088
Santa Fe, NM 87501

Attn: Joe D. Ramey

Re: Federal Oil & Gas Lease
LC-050797 - Russell Pool
Eddy County, New Mexico
Sec. 12, T20S, R28E N.M.P.M.

Gentlemen:

Under your Memo of September 30, 1981 as provided under Division Rule 705A whereby no injection well may be temporarily abandoned for more than six months; this company hereby requests an exception to Rule 705A on the following wells:

Under Crosby Federal - Well Nos. 1, 2, & 4
Under Turner Federal - Well Nos. 2, 3, 6, 12, 13, 15, 18, 21, & 22
Under Wills Federal - Well Nos. 2, 5, 6, 8, 10, 14, 15, 17, 18, 19, 21, 23, 25, 26, 27, 29, 30, 33, 34, 35, 36, 37, 39, 41, 42, & 45

The above wells are considered to be viable injection wells, not taking water at this time, yet valuable to a tertiary recovery program in the not too distant future. We feel these wells in no way damage the underground sources of drinking water as there is no drinking water in this interval in this area.

I enclose a copy of a letter from our consulting engineering firm, Stephens Engineering, under the signature of Joe L. Johnson, Jr. where he supports this request.

As captioned above this is a Federal oil & gas lease and comes under your jurisdiction through a ruling in the Federal Register/Vol. 47, No. 25/Friday, February 5, 1982/40CFR Part 123 and made effective that same date.

We would appreciate the OCD's concurrence with our request to retain these wells for a future recovery program.

Very truly yours,

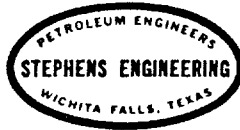
Robert S. Light

9 1982
CONSERVATION DIVISION
SANTA FE

CC: George H. Hunker, Jr.
Michael Stubblefield, OCD-Artesia
Joe L. Johnson, Jr.

Encl: 1

TELEPHONE - 817-723-2166



POST OFFICE BOX-2249

WICHITA FALLS, TEXAS
76307

December 30, 1981

RECEIVED
DEC 31 9 10 AM '81
OIL CONSERVATION DIVISION
SANTA FE

Barber Oil, Inc.
P. O. Box 1658
Carlsbad, New Mexico 88220

Attn: Mr. Bob Light

Re: Injection Well Status
Barber Oil, Inc.
Russell Pool Project
Eddy County, New Mexico

Dear Mr. Light:

Reference is made to our conversation concerning the necessity to plug and abandon several of the inactive injection wells in the Barber Oil, Inc., Russell Pool Water Flood, Eddy County, New Mexico.

It is our understanding that the State of New Mexico requires that an injection well be plugged after a six month shut-in period. There are also other means in which the well can be maintained, these include returning the well to active operation, filing a workover or plugging plan, and/or filing a request for an exception to Rule 705A with the Division Director in Santa Fe.

We are of the opinion that this project is a prime prospect for tertiary development in the not too distant future. Its shallow depth and remaining oil in place are extremely important in the use of this anticipated process. In view of this, it is extremely important that all wells be maintained and not plugged and abandoned since this would require a rather large expenditure in redrilling should such a process be undertaken in the future. For these reasons, we are of the opinion that a request for an exception to Rule 705A be filed with the Division Director in Santa Fe at the earliest possible date. We remain of the opinion that this project would be an excellent prospect for tertiary development but feel that the loss of any well in the project

area would make the installation of a tertiary project more difficult and therefore possibly force a long delay period for the installation of such a project.

Should there be any questions, please do not hesitate to contact us.

Yours very truly,

STEPHENS ENGINEERING


Joe L. Johnson, Jr.

JLJjr/dk