

INJECTION WELL DATA SHEET

(Post Conversion)

OPERATOR:

Apache Corp

WELL NAME & NUMBER:

Harry Leonard NCT E #4 (WBDU #57)

WELL LOCATION:

FOOTAGE LOCATION

UNIT LETTER

SECTION

TOWNSHIP

RANGE

WELLBORE SCHEMATIC

WELL CONSTRUCTION DATA

Surface Casing

Hole Size: _____ Casing Size: _____

Cemented with: _____ sx. or _____ ft³

Top of Cement: _____ Method Determined: _____

Intermediate Casing

Hole Size: _____ Casing Size: _____

Cemented with: _____ sx. or _____ ft³

Top of Cement: _____ Method Determined: _____

Production Casing

Hole Size: _____ Casing Size: _____

Cemented with: _____ sx. or _____ ft³

Top of Cement: _____ Method Determined: _____

Total Depth: _____

Injection Interval

5793 feet to 6690

(Perforated or Open Hole; indicate which)

INJECTION WELL DATA SHEET

Tubing Size: 2 3/8 Lining Material: Plastic

Type of Packer: Coated dual grip

Packer Setting Depth: ± 5500'

Other Type of Tubing/Casing Seal (if applicable): _____

Additional Data

1. Is this a new well drilled for injection? Yes No

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

2. Name of the Injection Formation: _____

3. Name of Field or Pool (if applicable): _____

4. Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail, i.e. sacks of cement or plug(s) used. _____

5. Give the name and depths of any oil or gas zones underlying or overlying the proposed injection zone in this area: _____

297'

TOC surface

2800'

TOC surface

TOC 2522' * change from original

(sq ft 8/65)

5565-5722

= 5793-5888

(sq ft during conversion)

6180-6290

= 6565-6624

Blinberry

Tubb

Drinkard

See "current" schematics in original C-108 exhibit #32 case # 14126

Oil Conservation Division

Case No. 32B

Exhibit No. 32B

INJECTION WELL DATA SHEET

(Post Conversion)

OPERATOR: Apache Corp

WELL NAME & NUMBER: Hawk A #2 (WBDU #20)

WELL LOCATION: FOOTAGE LOCATION UNIT LETTER SECTION TOWNSHIP RANGE

WELLBORE SCHEMATIC

WELL CONSTRUCTION DATA

Surface Casing

Hole Size: _____ Casing Size: _____

Cemented with: _____ sx. or _____ ft³

Top of Cement: _____ Method Determined: _____

Intermediate Casing

Hole Size: _____ Casing Size: _____

Cemented with: _____ sx. or _____ ft³

Top of Cement: _____ Method Determined: _____

Production Casing

Hole Size: _____ Casing Size: _____

Cemented with: _____ sx. or _____ ft³

Top of Cement: _____ Method Determined: _____

Total Depth: _____

Injection Interval

5785 feet to 6643

(Perforated or Open Hole; indicate which)

INJECTION WELL DATA SHEET

Tubing Size: 2 3/8 Lining Material: Plastic

Type of Packer: Coated dual grip

Packer Setting Depth: ± 5700'

Other Type of Tubing/Casing Seal (if applicable): _____

Additional Data

1. Is this a new well drilled for injection? Yes No
If no, for what purpose was the well originally drilled? _____

2. Name of the Injection Formation: _____

3. Name of Field or Pool (if applicable): _____

4. Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail, i.e. sacks of cement or plug(s) used. _____

5. Give the name and depths of any oil or gas zones underlying or overlying the proposed injection zone in this area: _____

220'
TOC Surface

2859'
TOC 1190'
TOC 2438'
* Change from original

Grayburg
3507'-3685'
(sqz w/ 300 sx)
10/65

Blinberry
≡ 5785-6050

Tubb
(sqz during conversion)
6298-6432

Drinkard
≡ 6553-6643

6664-6720
(sqz'd 5/50)

See "Current" schematics in original C-108 exhibit #32 case # 14126

INJECTION WELL DATA SHEET (Post Conversion)

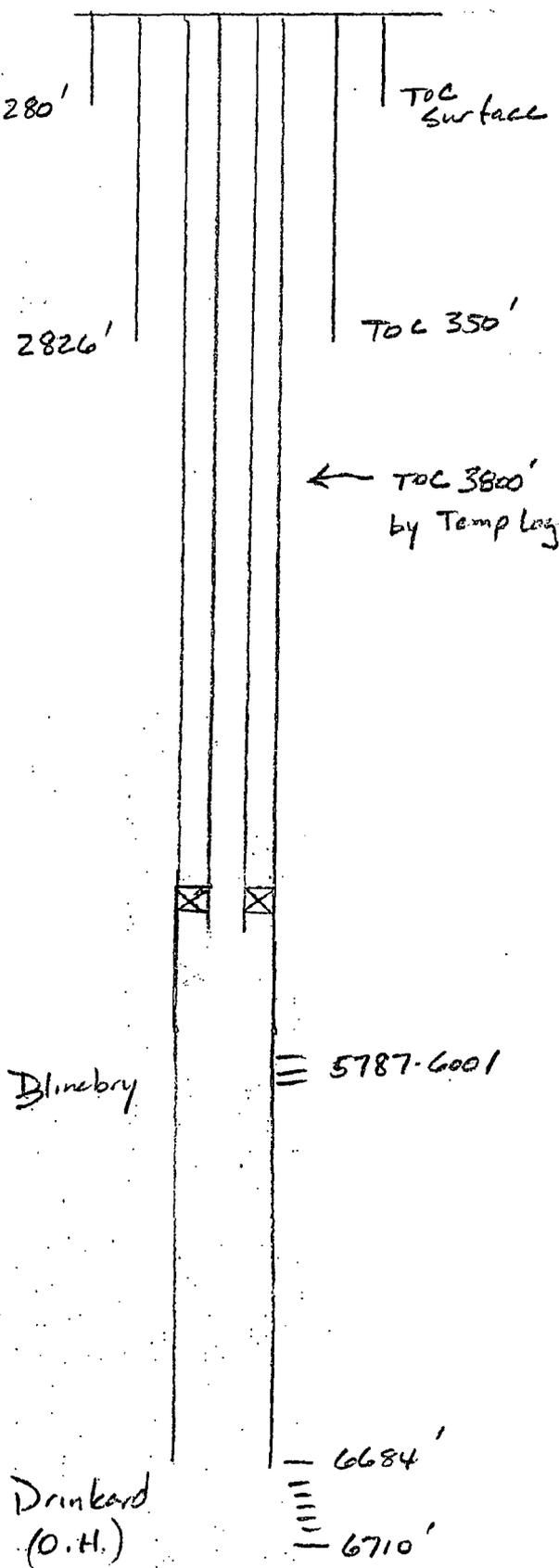
OPERATOR: Apache Corp

WELL NAME & NUMBER: Hawk A #3 (WBDU #21)

WELL LOCATION: FOOTAGE LOCATION UNIT LETTER SECTION TOWNSHIP RANGE

WELLBORE SCHEMATIC

WELL CONSTRUCTION DATA



Hole Size: _____ Casing Size: _____
 Cemented with: _____ sx. or _____ ft³
 Top of Cement: _____ Method Determined: _____

Intermediate Casing

Hole Size: _____ Casing Size: _____
 Cemented with: _____ sx. or _____ ft³
 Top of Cement: _____ Method Determined: _____

Production Casing

Hole Size: _____ Casing Size: _____
 Cemented with: _____ sx. or _____ ft³
 Top of Cement: _____ Method Determined: _____

Total Depth: _____

Injection Interval

5787 feet to 6710

(Perforated or Open Hole; indicate which)

See "current" schematics in original C-108 exhibit #32 case # 14126

INJECTION WELL DATA SHEET

Tubing Size: 2 3/8 Lining Material: Plastic

Type of Packer: Coated dual grip

Packer Setting Depth: ± 5750'

Other Type of Tubing/Casing Seal (if applicable): _____

Additional Data

1. Is this a new well drilled for injection? Yes No
If no, for what purpose was the well originally drilled? _____
2. Name of the Injection Formation: _____
3. Name of Field or Pool (if applicable): _____
4. Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail, i.e. sacks of cement or plug(s) used. _____
5. Give the name and depths of any oil or gas zones underlying or overlying the proposed injection zone in this area: _____

Blinbry

≡ 5787-6001

Drinkard (O.H.)

— 6684'

— 6710'

INJECTION WELL DATA SHEET

(Post Conversion)

OPERATOR: Apache Corp

WELL NAME & NUMBER: Hawk A #5 (WBDU #23)

WELL LOCATION: FOOTAGE LOCATION UNIT LETTER SECTION TOWNSHIP RANGE

WELLBORE SCHEMATIC

WELL CONSTRUCTION DATA

Surface Casing

Hole Size: _____ Casing Size: _____

Cemented with: _____ sx. or _____ ft³

Top of Cement: _____ Method Determined: _____

Intermediate Casing

Hole Size: _____ Casing Size: _____

Cemented with: _____ sx. or _____ ft³

Top of Cement: _____ Method Determined: _____

Production Casing

Hole Size: _____ Casing Size: _____

Cemented with: _____ sx. or _____ ft³

Top of Cement: _____ Method Determined: _____

Total Depth: _____

Injection Interval

5760 feet to 6781

(Perforated or Open Hole; indicate which)

INJECTION WELL DATA SHEET

Tubing Size: 2 3/8 Lining Material: Plastic

Type of Packer: Coated dual grip

Packer Setting Depth: ± 5700'

Other Type of Tubing/Casing Seal (if applicable): _____

Additional Data

1. Is this a new well drilled for injection? Yes No
If no, for what purpose was the well originally drilled? _____

2. Name of the Injection Formation: _____

3. Name of Field or Pool (if applicable): _____

4. Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail, i.e. sacks of cement or plug(s) used. _____

5. Give the name and depths of any oil or gas zones underlying or overlying the proposed injection zone in this area: _____

See "Current" schematics in original C-108 exhibit #32 case # 14126

1325'

(NA)

TOC surface

TOC 1300' by Temp Log

Queen
Purcell

≡ 3000'-3333
≡ 3394-3770
(592-wl 3055x)
10/07

Blindbry

≡ 5760-6019

Tubb

(592 during conversion)
≡ 6198-6400

Drinkard

≡ 6586-6781

INJECTION WELL DATA SHEET (Post Conversion)

OPERATOR: Apache Corp

WELL NAME & NUMBER: Hawk A #8 (WBDU #26)

WELL LOCATION: FOOTAGE LOCATION UNIT LETTER SECTION TOWNSHIP RANGE

WELLBORE SCHEMATIC

WELL CONSTRUCTION DATA

Surface Casing

Hole Size: Casing Size:

Cemented with: sx. or ft³

Top of Cement: Method Determined:

Intermediate Casing

Hole Size: Casing Size:

Cemented with: sx. or ft³

Top of Cement: Method Determined:

Production Casing

Hole Size: Casing Size:

Cemented with: sx. or ft³

Top of Cement: Method Determined:

Total Depth:

Injection Interval

5673 feet to 6775

(Perforated or Open Hole; indicate which)

INJECTION WELL DATA SHEET

Tubing Size: 2 3/8 Lining Material: Plastic

Type of Packer: Coated dual grip

Packer Setting Depth: ± 5000'

Other Type of Tubing/Casing Seal (if applicable):

Additional Data

1. Is this a new well drilled for injection? Yes No
If no, for what purpose was the well originally drilled?

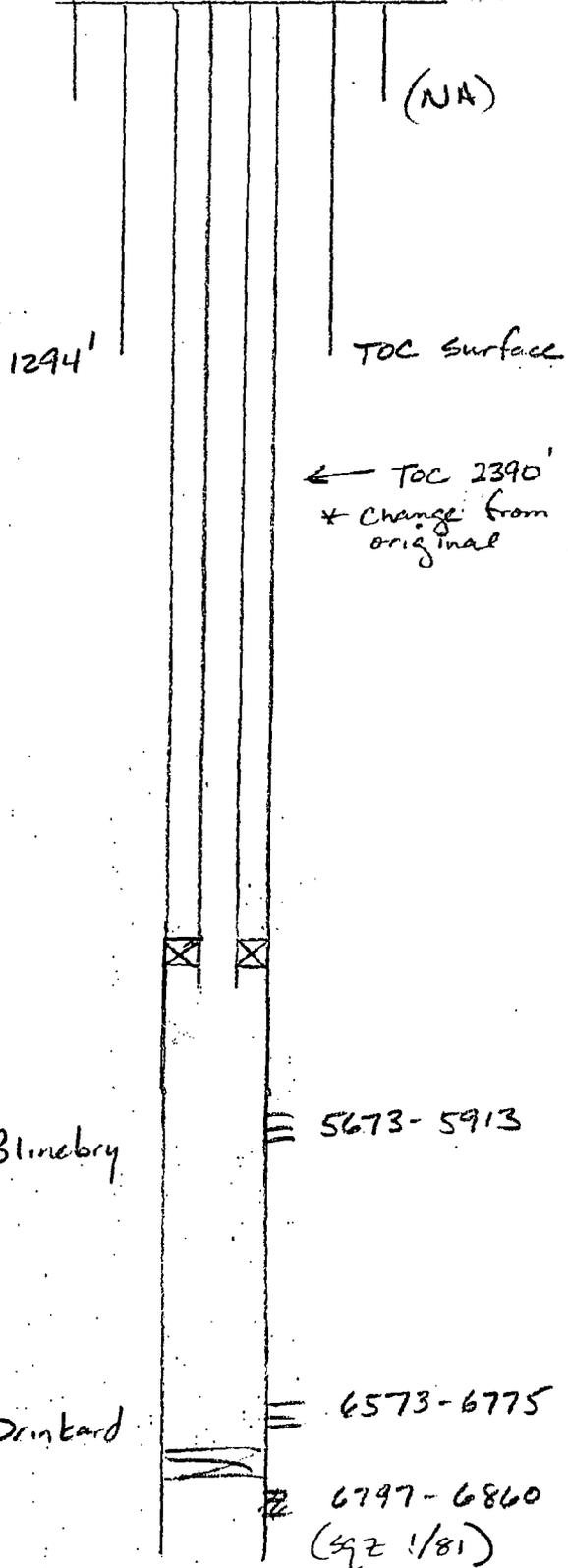
2. Name of the Injection Formation:

3. Name of Field or Pool (if applicable):

4. Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail, i.e. sacks of cement or plug(s) used.

5. Give the name and depths of any oil or gas zones underlying or overlying the proposed injection zone in this area:

See current schematics in original C-108 exhibit #32 case # 14126



1294'

Blinobry

Drinkard

INJECTION WELL DATA SHEET

(Post Conversion)

OPERATOR:

Apache Corp

WELL NAME & NUMBER:

Hawk B-1 A/C 1 #1 (WBDU #32)

WELL LOCATION:

FOOTAGE LOCATION UNIT LETTER SECTION TOWNSHIP RANGE

WELLBORE SCHEMATIC

WELL CONSTRUCTION DATA

Surface Casing

Hole Size: Casing Size:

Cemented with: sx. or ft³

Top of Cement: Method Determined:

Intermediate Casing

Hole Size: Casing Size:

Cemented with: sx. or ft³

Top of Cement: Method Determined:

Production Casing

Hole Size: Casing Size:

Cemented with: sx. or ft³

Top of Cement: Method Determined:

Total Depth:

Injection Interval

5645 feet to 6674

(Perforated or Open Hole; indicate which)

INJECTION WELL DATA SHEET

Tubing Size: 2 3/8 Lining Material: Plastic

Type of Packer: Coated dual grip

Packer Setting Depth: ± 5600'

Other Type of Tubing/Casing Seal (if applicable):

Additional Data

1. Is this a new well drilled for injection? Yes No

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

2. Name of the Injection Formation:

3. Name of Field or Pool (if applicable):

4. Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail, i.e. sacks of cement or plug(s) used.

5. Give the name and depths of any oil or gas zones underlying or overlying the proposed injection zone in this area:

225'

TOC Surface

2796'

TOC 1628'

← TOC 2922' * Change from original

See "current" schematics in original C-108 exhibit #32 case # 14126

Blinberry

5645-5837

Drinkard

6588-6674

INJECTION WELL DATA SHEET (Post Conversion)

OPERATOR: Apache Corp

WELL NAME & NUMBER: Hawk B-1 # 2 (WBDU # 33)

WELL LOCATION: FOOTAGE LOCATION UNIT LETTER SECTION TOWNSHIP RANGE

WELLBORE SCHEMATIC

WELL CONSTRUCTION DATA

Surface Casing

Hole Size: Casing Size:

Cemented with: sx. or ft³

Top of Cement: Method Determined:

Intermediate Casing

Hole Size: Casing Size:

Cemented with: sx. or ft³

Top of Cement: Method Determined:

Production Casing

Hole Size: Casing Size:

Cemented with: sx. or ft³

Top of Cement: Method Determined:

Total Depth:

Injection Interval

5844 feet to 6735

(Perforated or Open Hole; indicate which)

INJECTION WELL DATA SHEET

Tubing Size: 2 3/8 Lining Material: Plastic

Type of Packer: Coated dual grip

Packer Setting Depth: ± 5600' (change from original) *

Other Type of Tubing/Casing Seal (if applicable):

Additional Data

- 1. Is this a new well drilled for injection? Yes No
If no, for what purpose was the well originally drilled?
2. Name of the Injection Formation:
3. Name of Field or Pool (if applicable):
4. Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail, i.e. sacks of cement or plug(s) used.
5. Give the name and depths of any oil or gas zones underlying or overlying the proposed injection zone in this area:

200'

TOC surface

2789'

TOC 1410'

← TOC 2942'

(492 12/63)

≡ 5652-5895

≡ 5844-5994

Blinzbry

≡ 6501

≡ 6735

Drinkard (Perf. O.H.)

See "Current" schematics in original C-108 exhibit # 32 case # 14126

INJECTION WELL DATA SHEET

(Post Conversion)

OPERATOR: Apache Corp

WELL NAME & NUMBER: Hawk B-1 #3 (WBDU #34)

WELL LOCATION: FOOTAGE LOCATION UNIT LETTER SECTION TOWNSHIP RANGE

WELLBORE SCHEMATIC

WELL CONSTRUCTION DATA

Surface Casing

Hole Size: _____ Casing Size: _____

Cemented with: _____ sx. or _____ ft³

Top of Cement: _____ Method Determined: _____

Intermediate Casing

Hole Size: _____ Casing Size: _____

Cemented with: _____ sx. or _____ ft³

Top of Cement: _____ Method Determined: _____

Production Casing

Hole Size: _____ Casing Size: _____

Cemented with: _____ sx. or _____ ft³

Top of Cement: _____ Method Determined: _____

Total Depth: _____

Injection Interval

5776 feet to 6676

(Perforated or Open Hole; indicate which)

INJECTION WELL DATA SHEET

Tubing Size: 2 3/8 Lining Material: Plastic

Type of Packer: Coated Dual grip

Packer Setting Depth: ± 5700

Other Type of Tubing/Casing Seal (if applicable): _____

Additional Data

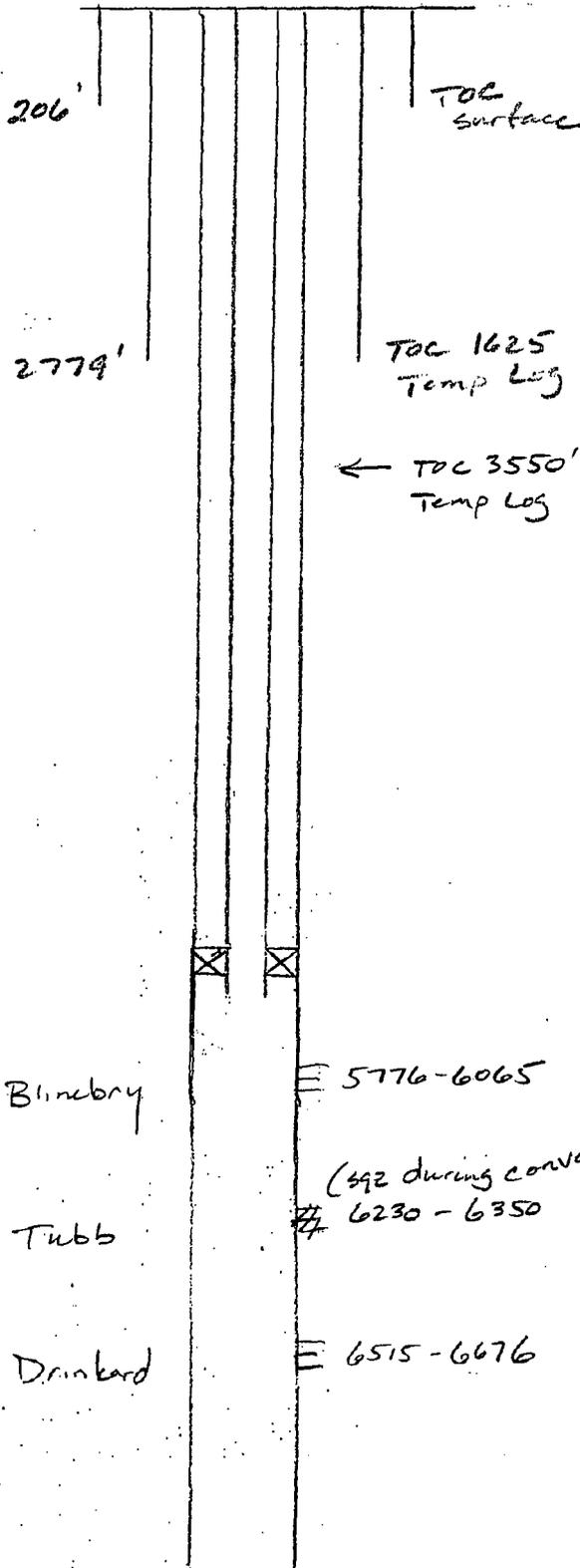
1. Is this a new well drilled for injection? Yes No
If no, for what purpose was the well originally drilled? _____

2. Name of the Injection Formation: _____

3. Name of Field or Pool (if applicable): _____

4. Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail, i.e. sacks of cement or plug(s) used. _____

5. Give the name and depths of any oil or gas zones underlying or overlying the proposed injection zone in this area: _____



See "Current" schematics in original C-108 exhibit #32 case # 14126

INJECTION WELL DATA SHEET

(Post Conversion)

OPERATOR: Apache Corp

WELL NAME & NUMBER: Hawk B-1 #4 (WBDU #35)

WELL LOCATION: FOOTAGE LOCATION UNIT LETTER SECTION TOWNSHIP RANGE

WELLBORE SCHEMATIC

WELL CONSTRUCTION DATA

Surface Casing

Hole Size: _____ Casing Size: _____

Cemented with: _____ sx. or _____ ft³

Top of Cement: _____ Method Determined: _____

Intermediate Casing

Hole Size: _____ Casing Size: _____

Cemented with: _____ sx. or _____ ft³

Top of Cement: _____ Method Determined: _____

Production Casing

Hole Size: _____ Casing Size: _____

Cemented with: _____ sx. or _____ ft³

Top of Cement: _____ Method Determined: _____

Total Depth: _____

Injection Interval

5799 feet to 6577

(Perforated or Open Hole; indicate which)

INJECTION WELL DATA SHEET

Tubing Size: 2 3/8 Lining Material: plastic

Type of Packer: Coated Dual Grip

Packer Setting Depth: ± 5700'

Other Type of Tubing/Casing Seal (if applicable): _____

Additional Data

1. Is this a new well drilled for injection? _____ Yes _____ No

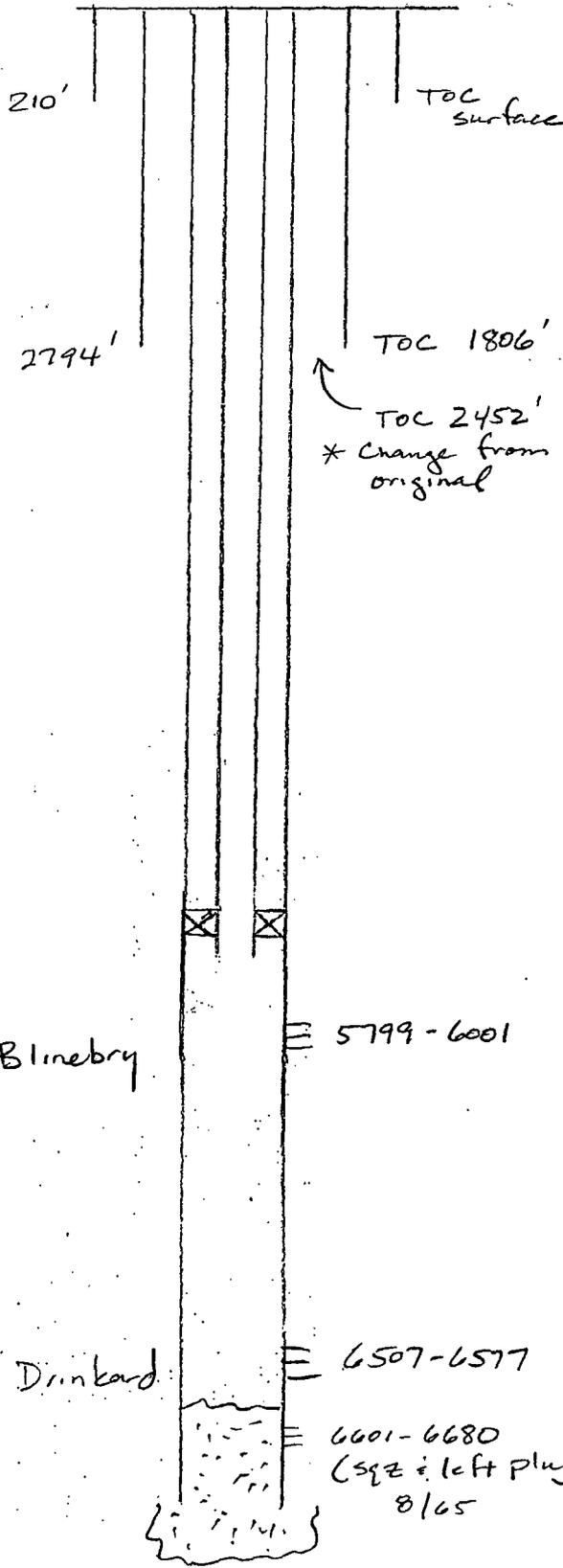
If no, for what purpose was the well originally drilled? _____

2. Name of the Injection Formation: _____

3. Name of Field or Pool (if applicable): _____

4. Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail, i.e. sacks of cement or plug(s) used. _____

5. Give the name and depths of any oil or gas zones underlying or overlying the proposed injection zone in this area: _____



See "Current" schematics in original C-108 exhibit #32 case # 14126

TOC surface
TOC 1806'
TOC 2452'
* Change from original

Blinebry

5799-6601

Drinkard

6507-6577

6601-6680
(3 1/2\"/>

INJECTION WELL DATA SHEET

(Post Conversion)

OPERATOR: Apache Corp

WELL NAME & NUMBER: Hawk B-1 #5 (WBDL #36)

WELL LOCATION: FOOTAGE LOCATION UNIT LETTER SECTION TOWNSHIP RANGE

WELLBORE SCHEMATIC

WELL CONSTRUCTION DATA

Surface Casing

Hole Size: _____ Casing Size: _____

Cemented with: _____ sx. or _____ ft³

Top of Cement: _____ Method Determined: _____

Intermediate Casing

Hole Size: _____ Casing Size: _____

Cemented with: _____ sx. or _____ ft³

Top of Cement: _____ Method Determined: _____

Production Casing

Hole Size: _____ Casing Size: _____

Cemented with: _____ sx. or _____ ft³

Top of Cement: _____ Method Determined: _____

Total Depth: _____

Injection Interval

5674 feet to 6706

(Perforated or Open Hole; indicate which)

INJECTION WELL DATA SHEET

Tubing Size: 2 3/8 Lining Material: Plastic

Type of Packer: Coated Dual grip

Packer Setting Depth: ± 5600

Other Type of Tubing/Casing Seal (if applicable): _____

Additional Data

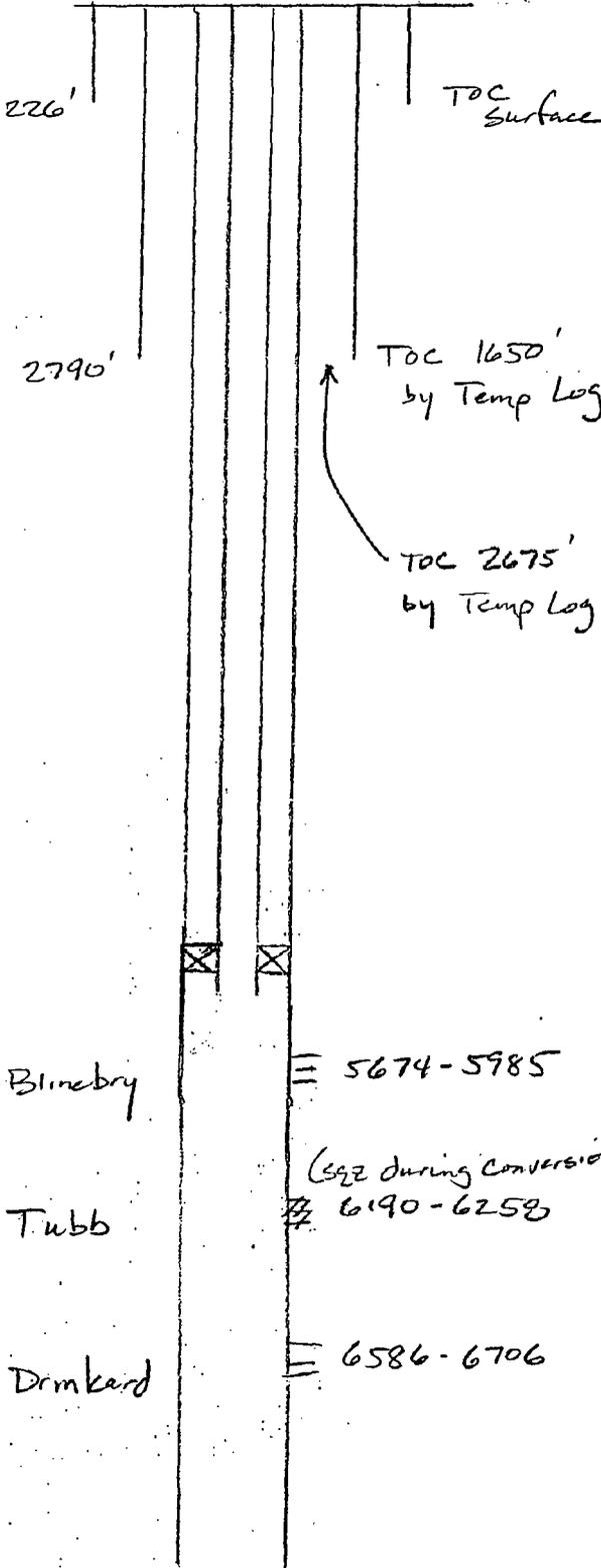
1. Is this a new well drilled for injection? Yes No
If no, for what purpose was the well originally drilled? _____

Name of the Injection Formation: _____

3. Name of Field or Pool (if applicable): _____

4. Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail, i.e. sacks of cement or plug(s) used. _____

5. Give the name and depths of any oil or gas zones underlying or overlying the proposed injection zone in this area: _____



See "Current" schematics in original C-108 exhibit #32 case # 14126

≡ 5674-5985
(see during conversion)
≡ 6190-6258
≡ 6586-6706

INJECTION WELL DATA SHEET

(Post Conversion)

OPERATOR: Apache Corp

WELL NAME & NUMBER: Hawk B-1 #B (WBDU #38)

WELL LOCATION: FOOTAGE LOCATION UNIT LETTER SECTION TOWNSHIP RANGE

WELLBORE SCHEMATIC

WELL CONSTRUCTION DATA

Surface Casing

Hole Size: _____ Casing Size: _____

Cemented with: _____ sx. or _____ ft³

Top of Cement: _____ Method Determined: _____

Intermediate Casing

Hole Size: _____ Casing Size: _____

Cemented with: _____ sx. or _____ ft³

Top of Cement: _____ Method Determined: _____

Production Casing

Hole Size: _____ Casing Size: _____

Cemented with: _____ sx. or _____ ft³

Top of Cement: _____ Method Determined: _____

Total Depth: _____

Injection Interval

5620 feet to 6736

(Perforated or Open Hole; indicate which)

INJECTION WELL DATA SHEET

Tubing Size: 2 3/8 Lining Material: Plastic

Type of Packer: Coated Dual Grip

Packer Setting Depth: ± 5550

Other Type of Tubing/Casing Seal (if applicable): _____

Additional Data

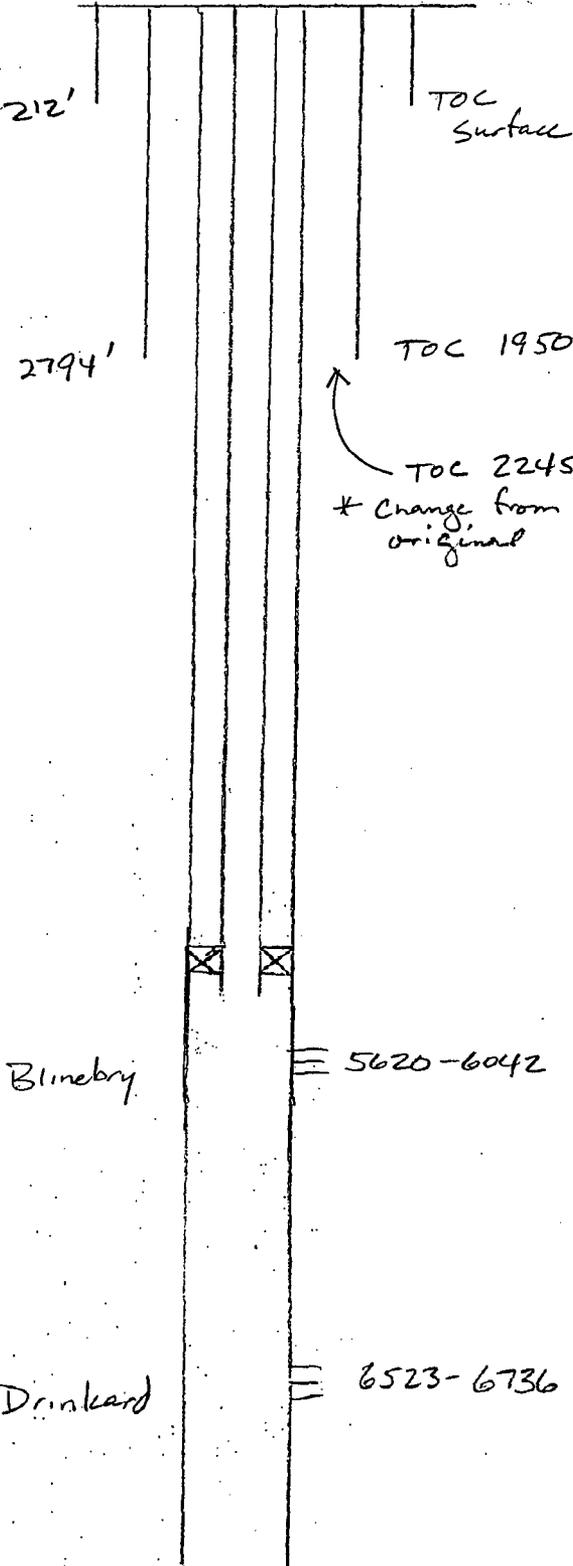
1. Is this a new well drilled for injection? Yes No
If no, for what purpose was the well originally drilled? _____

2. Name of the Injection Formation: _____

3. Name of Field or Pool (if applicable): _____

4. Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail, i.e. sacks of cement or plug(s) used. _____

5. Give the name and depths of any oil or gas zones underlying or overlying the proposed injection zone in this area: _____



See "Current" schematics in original C-108 exhibit #32 case # 14126

INJECTION WELL DATA SHEET (Post Conversion)

OPERATOR: Apache Corp

WELL NAME & NUMBER: Hawk B-1 #9 (WBDU #39)

WELL LOCATION: FOOTAGE LOCATION UNIT LETTER SECTION TOWNSHIP RANGE

WELLBORE SCHEMATIC

WELL CONSTRUCTION DATA

Surface Casing

Hole Size: _____ Casing Size: _____

Cemented with: _____ sx. or _____ R³

Top of Cement: _____ Method Determined: _____

Intermediate Casing

Hole Size: _____ Casing Size: _____

Cemented with: _____ sx. or _____ R³

Top of Cement: _____ Method Determined: _____

Production Casing

Hole Size: _____ Casing Size: _____

Cemented with: _____ sx. or _____ R³

Top of Cement: _____ Method Determined: _____

Total Depth: _____

Injection Interval

5636 feet to 6583 Change from origin *

(Perforated or Open Hole; indicate which)

INJECTION WELL DATA SHEET

Tubing Size: 2 3/8 Lining Material: Plastic

Type of Packer: Coated Dual Grip

Packer Setting Depth: ± 5600

Other Type of Tubing/Casing Seal (if applicable): _____

Additional Data

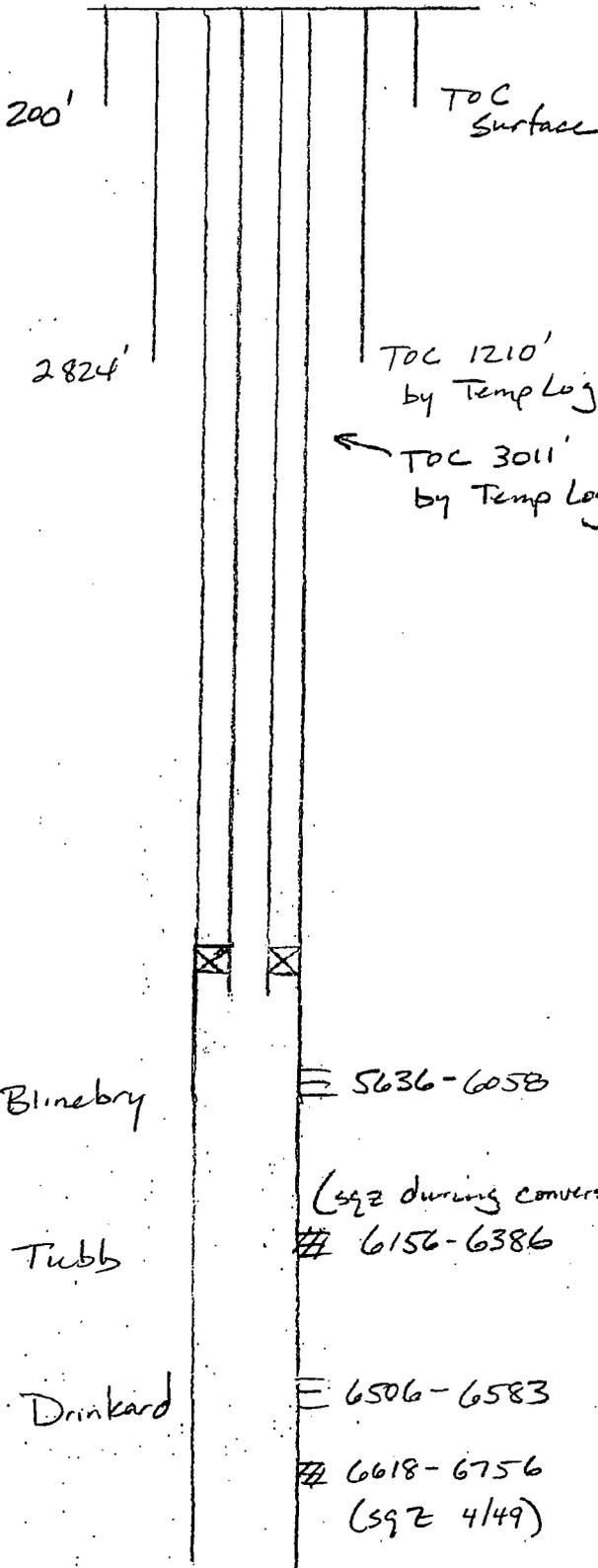
1. Is this a new well drilled for injection? Yes _____ No _____
If no, for what purpose was the well originally drilled? _____

2. Name of the Injection Formation: _____

3. Name of Field or Pool (if applicable): _____

4. Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail, i.e. sacks of cement or plug(s) used. _____

5. Give the name and depths of any oil or gas zones underlying or overlying the proposed injection zone in this area: _____



See "Current" schematics in original C-108 exhibit #32 case # 14126

INJECTION WELL DATA SHEET

(Post Conversion)

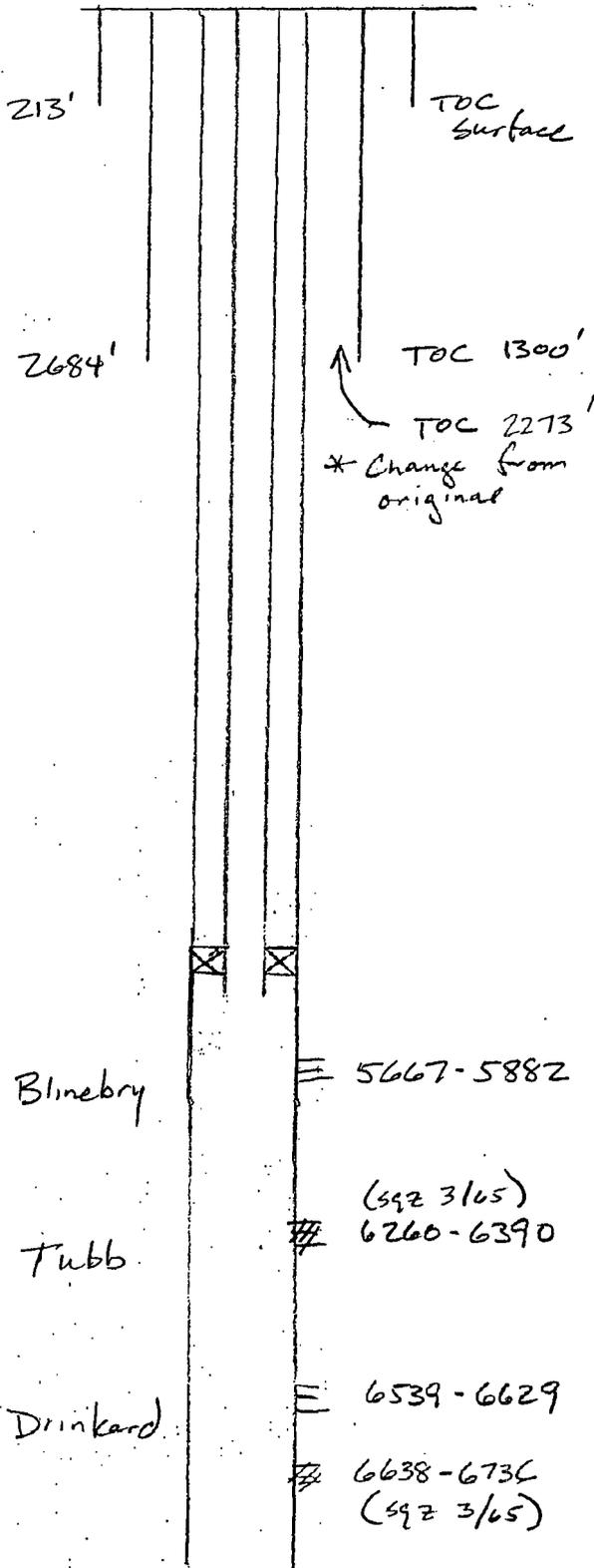
OPERATOR: Apache Corp

WELL NAME & NUMBER: Hawk B-1 #11 (WBDL #41)

WELL LOCATION: FOOTAGE LOCATION UNIT LETTER SECTION TOWNSHIP RANGE

WELLSBORE SCHEMATIC

WELL CONSTRUCTION DATA



Hole Size: _____ Casing Size: _____

Cemented with: _____ sx. or _____ ft³

Top of Cement: _____ Method Determined: _____

Intermediate Casing

Hole Size: _____ Casing Size: _____

Cemented with: _____ sx. or _____ ft³

Top of Cement: _____ Method Determined: _____

Production Casing

Hole Size: _____ Casing Size: _____

Cemented with: _____ sx. or _____ ft³

Top of Cement: _____ Method Determined: _____

Total Depth: _____

Injection Interval

5667 feet to 6629

(Perforated or Open Hole; indicate which)

INJECTION WELL DATA SHEET

Tubing Size: 2 3/8 Lining Material: Plastic

Type of Packer: Coated Dual Grip

Packer Setting Depth: ± 5600

Other Type of Tubing/Casing Seal (if applicable): _____

Additional Data

1. Is this a new well drilled for injection? Yes No
If no, for what purpose was the well originally drilled? _____

2. Name of the Injection Formation: _____

3. Name of Field or Pool (if applicable): _____

4. Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail, i.e. sacks of cement or plug(s) used. _____

5. Give the name and depths of any oil or gas zones underlying or overlying the proposed injection zone in this area: _____

See "Current" schematics in original C-108 exhibit #32 case # 14126

Blinebry = 5667-5882
(sgz 3/65)
Tubb # 6260-6390
Drinkard = 6539-6629
6638-6736 (sgz 3/65)

INJECTION WELL DATA SHEET

(Post Conversion)

OPERATOR: Apache Corp

WELL NAME & NUMBER: Hawk B-1 #13 (WBDL #42)

WELL LOCATION: _____

FOOTAGE LOCATION

UNIT LETTER

SECTION

TOWNSHIP

RANGE

WELLBORE SCHEMATIC

WELL CONSTRUCTION DATA

Surface Casing

Hole Size: _____ Casing Size: _____

Cemented with: _____ sx. or _____ ft³

Top of Cement: _____ Method Determined: _____

Intermediate Casing

Hole Size: _____ Casing Size: _____

Cemented with: _____ sx. or _____ ft³

Top of Cement: _____ Method Determined: _____

Production Casing

Hole Size: _____ Casing Size: _____

Cemented with: _____ sx. or _____ ft³

Top of Cement: _____ Method Determined: _____

Total Depth: _____

Injection Interval

5781 feet to 6710

(Perforated or Open Hole; indicate which)

INJECTION WELL DATA SHEET

Tubing Size: 2 3/8 Lining Material: Plastic

Type of Packer: Coated Dual Grip

Packer Setting Depth: ± 5700

Other Type of Tubing/Casing Seal (if applicable): _____

Additional Data

1. Is this a new well drilled for injection? Yes No

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

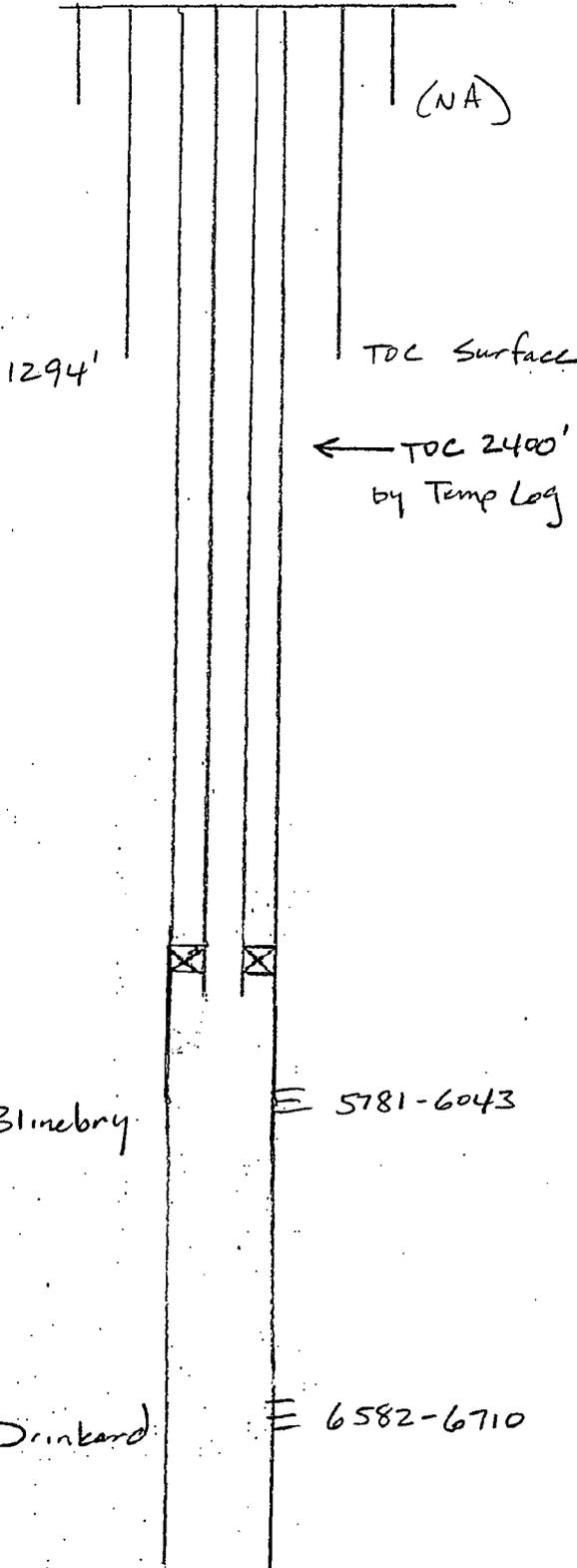
2. Name of the Injection Formation: _____

3. Name of Field or Pool (if applicable): _____

4. Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail, i.e. sacks of cement or plug(s) used. _____

5. Give the name and depths of any oil or gas zones underlying or overlying the proposed injection zone in this area: _____

See "Current" schematics in original C-108 exhibit #32 case # 14126



INJECTION WELL DATA SHEET

(Post Conversion)

OPERATOR: Apache Corp

WELL NAME & NUMBER: Hawk B-1 #14 (WBDU #43)

WELL LOCATION: FOOTAGE LOCATION UNIT LETTER SECTION TOWNSHIP RANGE

WELLBORE SCHEMATIC

WELL CONSTRUCTION DATA

Surface Casing

Hole Size: _____ Casing Size: _____

Cemented with: _____ sx. or _____ ft³

Top of Cement: _____ Method Determined: _____

Intermediate Casing

Hole Size: _____ Casing Size: _____

Cemented with: _____ sx. or _____ ft³

Top of Cement: _____ Method Determined: _____

Production Casing

Hole Size: _____ Casing Size: _____

Cemented with: _____ sx. or _____ ft³

Top of Cement: _____ Method Determined: _____

Total Depth: _____

Injection Interval

5666 feet to 6700

(Perforated or Open Hole; indicate which)

INJECTION WELL DATA SHEET

Tubing Size: 2 3/8 Lining Material: Plastic

Type of Packer: Coated Dual Grip

Packer Setting Depth: ± 5600'

Other Type of Tubing/Casing Seal (if applicable): _____

Additional Data

1. Is this a new well drilled for injection? Yes No

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

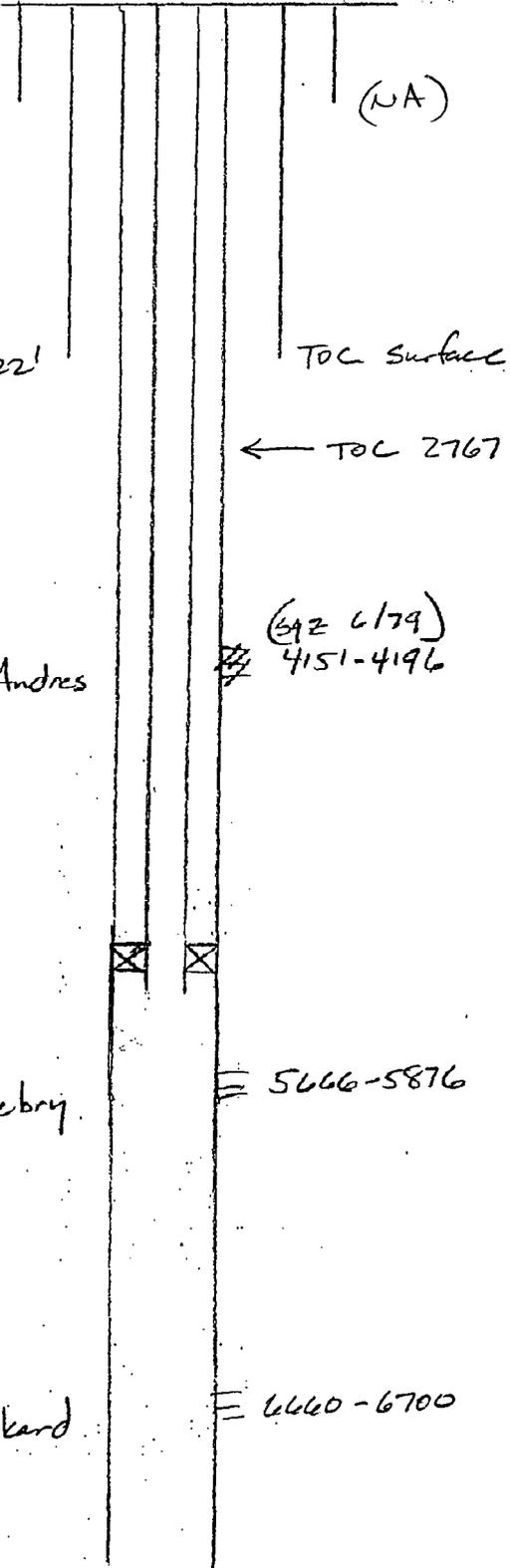
2. Name of the Injection Formation: _____

3. Name of Field or Pool (if applicable): _____

4. Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail, i.e. sacks of cement or plug(s) used. _____

5. Give the name and depths of any oil or gas zones underlying or overlying the proposed injection zone in this area: _____

See "current" schematics in original C-108 exhibit #32 case # 14126



1322'

(NA)

TOC surface

← TOC 2767'

San Andres

(92 6179)
4151-4196

Bluegray

= 5666-5876

Drinkard

= 6660-6700

INJECTION WELL DATA SHEET

(Post Conversion)

OPERATOR: Apache Corp

WELL NAME & NUMBER: Lockhart A-17 #4 (WBDU #67)

WELL LOCATION: FOOTAGE LOCATION UNIT LETTER SECTION TOWNSHIP RANGE

WELLBORE SCHEMATIC

WELL CONSTRUCTION DATA

Surface Casing

Hole Size: _____ Casing Size: _____

Cemented with: _____ sx. or _____ ft³

Top of Cement: _____ Method Determined: _____

Intermediate Casing

Hole Size: _____ Casing Size: _____

Cemented with: _____ sx. or _____ ft³

Top of Cement: _____ Method Determined: _____

Production Casing

Hole Size: _____ Casing Size: _____

Cemented with: _____ sx. or _____ ft³

Top of Cement: _____ Method Determined: _____

Total Depth: _____

Injection Interval

(Log during conversion) 5646 feet to 6697

(Perforated or Open Hole; indicate which)

INJECTION WELL DATA SHEET

Tubing Size: 2 3/8 Lining Material: Plastic

Type of Packer: Coated Dual Grip

Packer Setting Depth: ± 5600

Other Type of Tubing/Casing Seal (if applicable): _____

Additional Data

1. Is this a new well drilled for injection? Yes No
If no, for what purpose was the well originally drilled? _____

2. Name of the Injection Formation: _____

3. Name of Field or Pool (if applicable): _____

4. Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail, i.e. sacks of cement or plug(s) used. _____

5. Give the name and depths of any oil or gas zones underlying or overlying the proposed injection zone in this area: _____

219'

TOC surface

2829'

TOC 675' by Temp Log

← TOC 3325' by Temp Log

Pemrose

3749-3793

(Log during conversion)

5646

feet to

6697

Blimebry

≡ 5646-6668 (subject to perf log)

Tubb

6220-6314 (Log during conversion)

Drinkard

≡ 6611-6697

≡ 6701-6748

See "current" schematics in original C-108 exhibit #32 case # 14126

INJECTION WELL DATA SHEET (Post Conversion)

OPERATOR: Apache Corp

WELL NAME & NUMBER: Southland Royalty A #1 (WBDU #5)

WELL LOCATION: FOOTAGE LOCATION UNIT LETTER SECTION TOWNSHIP RANGE

WELLBORE SCHEMATIC

WELL CONSTRUCTION DATA

Surface Casing

Hole Size: Casing Size: Cemented with: Top of Cement: Method Determined:

Intermediate Casing

Hole Size: Casing Size: Cemented with: Top of Cement: Method Determined:

Production Casing

Hole Size: Casing Size: Cemented with: Top of Cement: Method Determined:

Total Depth:

Injection Interval

5664 feet to 6675

(Perforated or Open Hole; indicate which)

INJECTION WELL DATA SHEET

Tubing Size: 2 3/8 Lining Material: Plastic

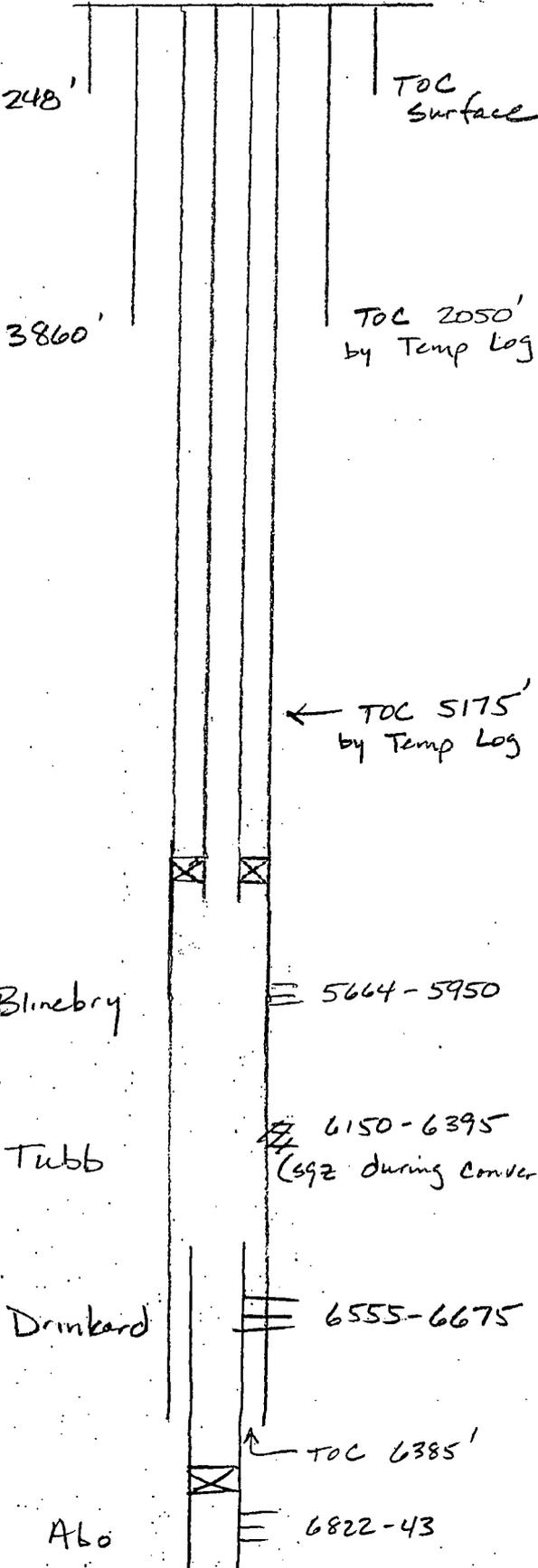
Type of Packer: Coated Dual Grip

Packer Setting Depth: ± 5600

Other Type of Tubing/Casing Seal (if applicable):

Additional Data

- 1. Is this a new well drilled for injection? Yes No
If no, for what purpose was the well originally drilled?
2. Name of the Injection Formation:
3. Name of Field or Pool (if applicable):
4. Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail, i.e. sacks of cement or plug(s) used.
5. Give the name and depths of any oil or gas zones underlying or overlying the proposed injection zone in this area:



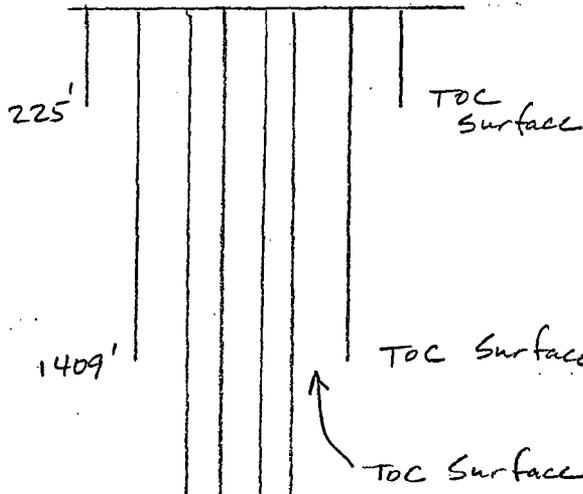
See "current" schematics in original C-108 exhibit #32 case # 14126

INJECTION WELL DATA SHEET (Post Conversion)

OPERATOR: Apache Corp
WELL NAME & NUMBER: Southland Royalty A #2 (WBDU #6)
WELL LOCATION: FOOTAGE LOCATION UNIT LETTER SECTION TOWNSHIP RANGE

WELLBORE SCHEMATIC

WELL CONSTRUCTION DATA
Surface Casing



Hole Size: _____ Casing Size: _____
Cemented with: _____ sx. or _____ ft³
Top of Cement: _____ Method Determined: _____

Intermediate Casing

Hole Size: _____ Casing Size: _____
Cemented with: _____ sx. or _____ ft³
Top of Cement: _____ Method Determined: _____

Production Casing

Hole Size: _____ Casing Size: _____
Cemented with: _____ sx. or _____ ft³
Top of Cement: _____ Method Determined: _____

Total Depth: _____

Injection Interval

5750 feet to 6685

(Perforated or Open Hole; indicate which)

See "current" schematics in original C-108 exhibit #32 case # 14126

INJECTION WELL DATA SHEET

Tubing Size: 2 3/8 Lining Material: Plastic
Type of Packer: Coated Dual Grip
Packer Setting Depth: ± 5700
Other Type of Tubing/Casing Seal (if applicable): _____

Additional Data

- 1. Is this a new well drilled for injection? Yes No
If no, for what purpose was the well originally drilled? _____
- 2. Name of the Injection Formation: _____
- 3. Name of Field or Pool (if applicable): _____
- 4. Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail, i.e. sacks of cement or plug(s) used. _____
- 5. Give the name and depths of any oil or gas zones underlying or overlying the proposed injection zone in this area: _____

Blincyry = 5750-5936

(SZ during conversion)

Tubb = 6200-6495

Drinkard = 6595-6685

OPERATOR:

Apache Corp

WELL NAME & NUMBER:

Southland Royalty A #4 (WBDU #97)

WELL LOCATION:

FOOTAGE LOCATION UNIT LETTER SECTION TOWNSHIP RANGE

WELLBORE SCHEMATIC

WELL CONSTRUCTION DATA

Surface Casing

Hole Size: _____ Casing Size: _____

Cemented with: _____ sx. or _____ ft³

Top of Cement: _____ Method Determined: _____

Intermediate Casing

Hole Size: _____ Casing Size: _____

Cemented with: _____ sx. or _____ ft³

Top of Cement: _____ Method Determined: _____

Production Casing

Hole Size: _____ Casing Size: _____

Cemented with: _____ sx. or _____ ft³

Top of Cement: _____ Method Determined: _____

Total Depth: _____

Injection Interval

5692 feet to 6655 * Change from original

(Perforated or Open Hole; indicate which)

* Change from original

INJECTION WELL DATA SHEET

Tubing Size: 2 3/8 Lining Material: Plastic

Type of Packer: Coated Dual Grip

Packer Setting Depth: ± 5600 * Change from original

Other Type of Tubing/Casing Seal (if applicable): _____

Additional Data

1. Is this a new well drilled for injection? Yes No

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

2. Name of the Injection Formation: _____

3. Name of Field or Pool (if applicable): _____

4. Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail, i.e. sacks of cement or plug(s) used. _____

5. Give the name and depths of any oil or gas zones underlying or overlying the proposed injection zone in this area: _____

See "Current" schematics in original C-10B exhibit #32 Case # 14126

305'

TOC Surface

2905'

TOC 1750' by Temp Log

TOC Surface by circulation during 11/2000 sqz

(sqz during conversion)

Grayburg

3891-4000'

sqz holes @ 4150' (11/2000)

Blinberry

≡ 5692-5960 (subject to perf log)

Tubb

6176-6392 (sqz during conversion)

Drinkard

≡ 6519-6655

INJECTION WELL DATA SHEET

(Post Conversion)

OPERATOR: Apache Corp

WELL NAME & NUMBER: Southland Royalty A #5 (WBDU #8)

WELL LOCATION: FOOTAGE LOCATION UNIT LETTER SECTION TOWNSHIP RANGE

WELLBORE SCHEMATIC

WELL CONSTRUCTION DATA

Surface Casing

Hole Size: _____ Casing Size: _____

Cemented with: _____ sx. or _____ ft³

Top of Cement: _____ Method Determined: _____

Intermediate Casing

Hole Size: _____ Casing Size: _____

Cemented with: _____ sx. or _____ ft³

Top of Cement: _____ Method Determined: _____

Production Casing

Hole Size: _____ Casing Size: _____

Cemented with: _____ sx. or _____ ft³

Top of Cement: _____ Method Determined: _____

Total Depth: _____

Injection Interval

5702 feet to 6652

(Perforated or Open Hole; indicate which)

INJECTION WELL DATA SHEET

Tubing Size: 2 3/8 Lining Material: Plastic

Type of Packer: Coated Dual Grip

Packer Setting Depth: ± 5650

Other Type of Tubing/Casing Seal (if applicable): _____

Additional Data

1. Is this a new well drilled for injection? Yes No
If no, for what purpose was the well originally drilled? _____

2. Name of the Injection Formation: _____

3. Name of Field or Pool (if applicable): _____

4. Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail, i.e. sacks of cement or plug(s) used. _____

5. Give the name and depths of any oil or gas zones underlying or overlying the proposed injection zone in this area: _____

312'

TOC Surface

2895'

TOC 1365
by Temp Log

← TOC 5425'
by Temp Log

Blinebry

≡ 5702-5970

Drinkard

≡ 6640-6652

See "current" schematics in original C-108 exhibit #32 case # 14126

INJECTION WELL DATA SHEET

(Post Conversion)

OPERATOR:

Apache Corp

WELL NAME & NUMBER:

Southland Royalty A #6

(WBDL #9)

WELL LOCATION:

FOOTAGE LOCATION

UNIT LETTER

SECTION

TOWNSHIP

RANGE

WELLBORE SCHEMATIC

WELL CONSTRUCTION DATA

Surface Casing

Hole Size: _____ Casing Size: _____
 Cemented with: _____ sx. or _____ ft³
 Top of Cement: _____ Method Determined: _____

Intermediate Casing

Hole Size: _____ Casing Size: _____
 Cemented with: _____ sx. or _____ ft³
 Top of Cement: _____ Method Determined: _____

Production Casing

Hole Size: _____ Casing Size: _____
 Cemented with: _____ sx. or _____ ft³
 Top of Cement: _____ Method Determined: _____

Total Depth: _____

Injection Interval

5642 feet to 6635

(Perforated or Open Hole; indicate which)

INJECTION WELL DATA SHEET

Tubing Size: 2 3/8 Lining Material: Plastic

Type of Packer: Coated Dual Grip

Packer Setting Depth: ± 5600

Other Type of Tubing/Casing Seal (if applicable): _____

Additional Data

1. Is this a new well drilled for injection? Yes No
If no, for what purpose was the well originally drilled? _____
2. Name of the Injection Formation: _____
3. Name of Field or Pool (if applicable): _____
4. Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail, i.e. sacks of cement or plug(s) used. _____
5. Give the name and depths of any oil or gas zones underlying or overlying the proposed injection zone in this area: _____

252

TOC surface

2856

TOC surface

← TOC 5325' by Temp Log

Blinberry

5642-6108

Drinkard

6595-6635

See "Current" schematics in original C-108 exhibit #32 case # 14126

INJECTION WELL DATA SHEET (Post Conversion)

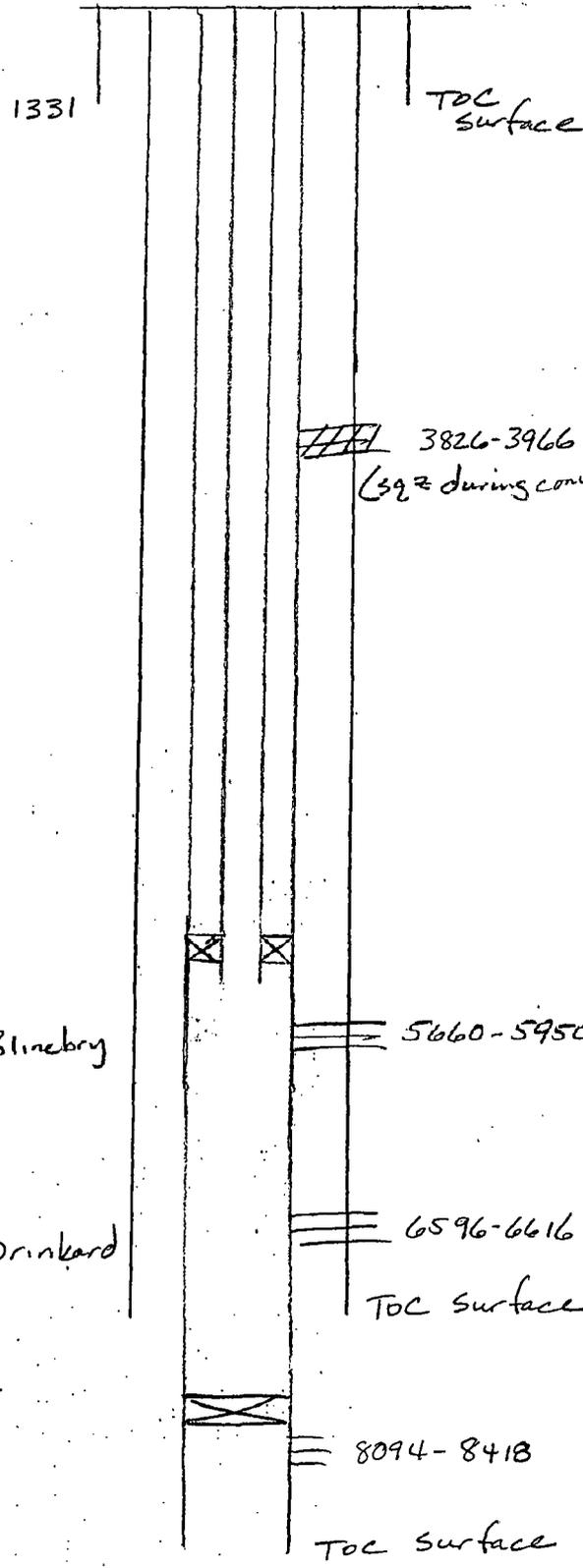
OPERATOR: Apache Corp

WELL NAME & NUMBER: Southland Royalty A #7 (WBDU #10)

WELL LOCATION: FOOTAGE LOCATION UNIT LETTER SECTION TOWNSHIP RANGE

WELLBORE SCHEMATIC

WELL CONSTRUCTION DATA



Hole Size: _____ Casing Size: _____
 Cemented with: _____ sx. or _____ ft³
 Top of Cement: _____ Method Determined: _____

Intermediate Casing

Hole Size: _____ Casing Size: _____
 Cemented with: _____ sx. or _____ ft³
 Top of Cement: _____ Method Determined: _____

Production Casing

Hole Size: _____ Casing Size: _____
 Cemented with: _____ sx. or _____ ft³
 Top of Cement: _____ Method Determined: _____

Total Depth: _____

Injection Interval

5660 feet to 6616

(Perforated or Open Hole; indicate which)

INJECTION WELL DATA SHEET

Tubing Size: 2 3/8 Lining Material: Plastic

Type of Packer: Coated Dual Grip

Packer Setting Depth: ± 5600

Other Type of Tubing/Casing Seal (if applicable): _____

Additional Data

- Is this a new well drilled for injection? Yes _____ No _____
If no, for what purpose was the well originally drilled? _____
- Name of the Injection Formation: _____
- Name of Field or Pool (if applicable): _____
- Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail, i.e. sacks of cement or plug(s) used. _____
- Give the name and depths of any oil or gas zones underlying or overlying the proposed injection zone in this area: _____

See "Current" schematics in original C-108 exhibit #32 case # 14126

Blinbery

Drinkard

5660-5950

6596-6616

8094-8418

INJECTION WELL DATA SHEET (Post Conversion)

OPERATOR:

Apache Corp

WELL NAME & NUMBER:

Southland Royalty A #8 (WBDU #11)

WELL LOCATION:

FOOTAGE LOCATION UNIT LETTER SECTION TOWNSHIP RANGE

WELLBORE SCHEMATIC

WELL CONSTRUCTION DATA

Surface Casing

Hole Size: Casing Size:

Cemented with: sx. or ft³

Top of Cement: Method Determined:

Intermediate Casing

Hole Size: Casing Size:

Cemented with: sx. or ft³

Top of Cement: Method Determined:

Production Casing

Hole Size: Casing Size:

Cemented with: sx. or ft³

Top of Cement: Method Determined:

Total Depth:

Injection Interval

5686 feet to 6649

(Perforated or Open Hole; indicate which)

INJECTION WELL DATA SHEET

Tubing Size: 2 3/8 Lining Material: Plastic

Type of Packer: Coated Dual Grip

Packer Setting Depth: 5600

Other Type of Tubing/Casing Seal (if applicable):

Additional Data

1. Is this a new well drilled for injection? Yes No

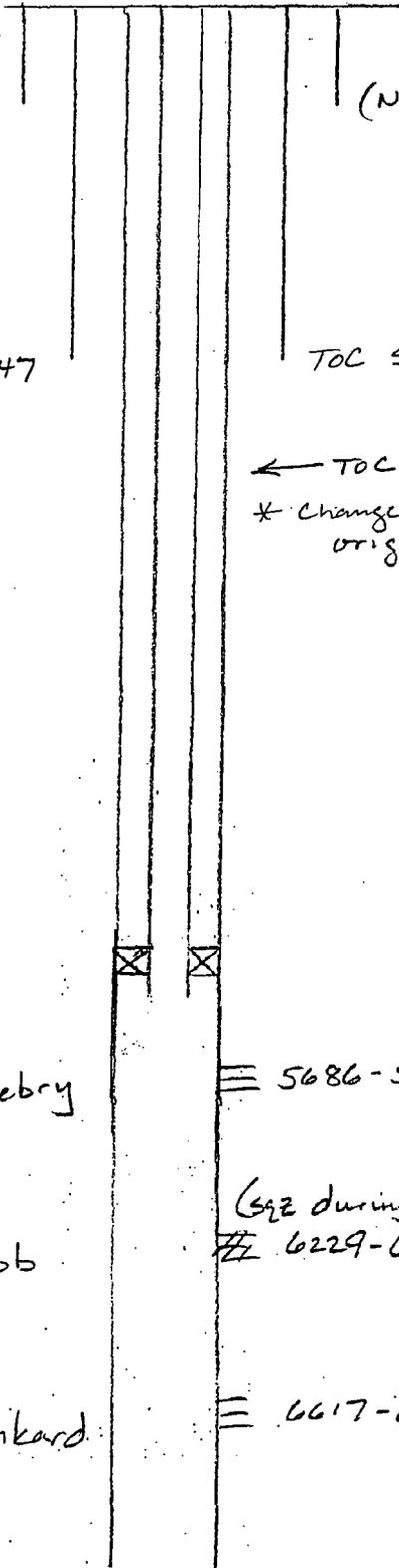
If no, for what purpose was the well originally drilled?

2. Name of the Injection Formation:

3. Name of Field or Pool (if applicable):

4. Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail, i.e. sacks of cement or plug(s) used.

5. Give the name and depths of any oil or gas zones underlying or overlying the proposed injection zone in this area:



(NA)

TOC Surface

← TOC 2951' * change from original

1347

Blinebry

≡ 5686-5984

Tubb

(gas during conversion) # 6229-6327

Drinkard

≡ 6617-6649

See "Current" schematics in original C-108 exhibit #32 case # 14126

INJECTION WELL DATA SHEET

(Post Conversion)

OPERATOR:

Apache Corp

WELL NAME & NUMBER:

State C Tract 12 #3 (WBDU #58)

WELL LOCATION:

FOOTAGE LOCATION UNIT LETTER SECTION TOWNSHIP RANGE

WELLBORE SCHEMATIC

WELL CONSTRUCTION DATA

Surface Casing

Hole Size: _____ Casing Size: _____

Cemented with: _____ sx. or _____ ft³

Top of Cement: _____ Method Determined: _____

Intermediate Casing

Hole Size: _____ Casing Size: _____

Cemented with: _____ sx. or _____ ft³

Top of Cement: _____ Method Determined: _____

Production Casing

Hole Size: _____ Casing Size: _____

Cemented with: _____ sx. or _____ ft³

Top of Cement: _____ Method Determined: _____

Total Depth: _____

Injection Interval

5835 feet to 6658 * Change from original

(Perforated or Open Hole; indicate which)

INJECTION WELL DATA SHEET

Tubing Size: 2 3/8 Lining Material: Plastic

Type of Packer: Coated Dual Grip

Packer Setting Depth: ± 5750

Other Type of Tubing/Casing Seal (if applicable): _____

Additional Data

1. Is this a new well drilled for injection? Yes No
If no, for what purpose was the well originally drilled?

2. Name of the Injection Formation:

3. Name of Field or Pool (if applicable):

4. Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail, i.e. sacks of cement or plug(s) used.

5. Give the name and depths of any oil or gas zones underlying or overlying the proposed injection zone in this area:

322'

TOC Surface

2900'

TOC 1560'

TOC 2494'

* Change from original

(592 during conversion)

3721-3774

Penrose

Blinebry

= 5835-5975

Drinkard

= 6615-6658

See "current" schematics in original C-108 exhibit #32 case # 14126

INJECTION WELL DATA SHEET (Post Conversion)

OPERATOR:

Apache Corp

WELL NAME & NUMBER:

State C Tract 12 #64 (WBDU #60)

WELL LOCATION:

FOOTAGE LOCATION UNIT LETTER SECTION TOWNSHIP RANGE

WELLBORE SCHEMATIC

WELL CONSTRUCTION DATA

Surface Casing

Hole Size: Casing Size:

Cemented with: sx. or ft³

Top of Cement: Method Determined:

Intermediate Casing

Hole Size: Casing Size:

Cemented with: sx. or ft³

Top of Cement: Method Determined:

Production Casing

Hole Size: Casing Size:

Cemented with: sx. or ft³

Top of Cement: Method Determined:

Total Depth:

Injection Interval

5602 feet to 6670

(Perforated or Open Hole; indicate which)

INJECTION WELL DATA SHEET

Tubing Size: 2 3/8 Lining Material: Plastic

Type of Packer: Coated Dual Grip

Packer Setting Depth: ± 5550

Other Type of Tubing/Casing Seal (if applicable):

Additional Data

1. Is this a new well drilled for injection? Yes No
If no, for what purpose was the well originally drilled?

2. Name of the Injection Formation:

3. Name of Field or Pool (if applicable):

4. Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail, i.e. sacks of cement or plug(s) used.

5. Give the name and depths of any oil or gas zones underlying or overlying the proposed injection zone in this area:

297'

TOC Surface

2853'

TOC Surface

TOC Surface

Blinebry

5602-5862

Tubb

(592 during conversion)
6185-6285

Drinkard

6578-6670

See "Current" schematics in original C-108 exhibit #32 case # 14126

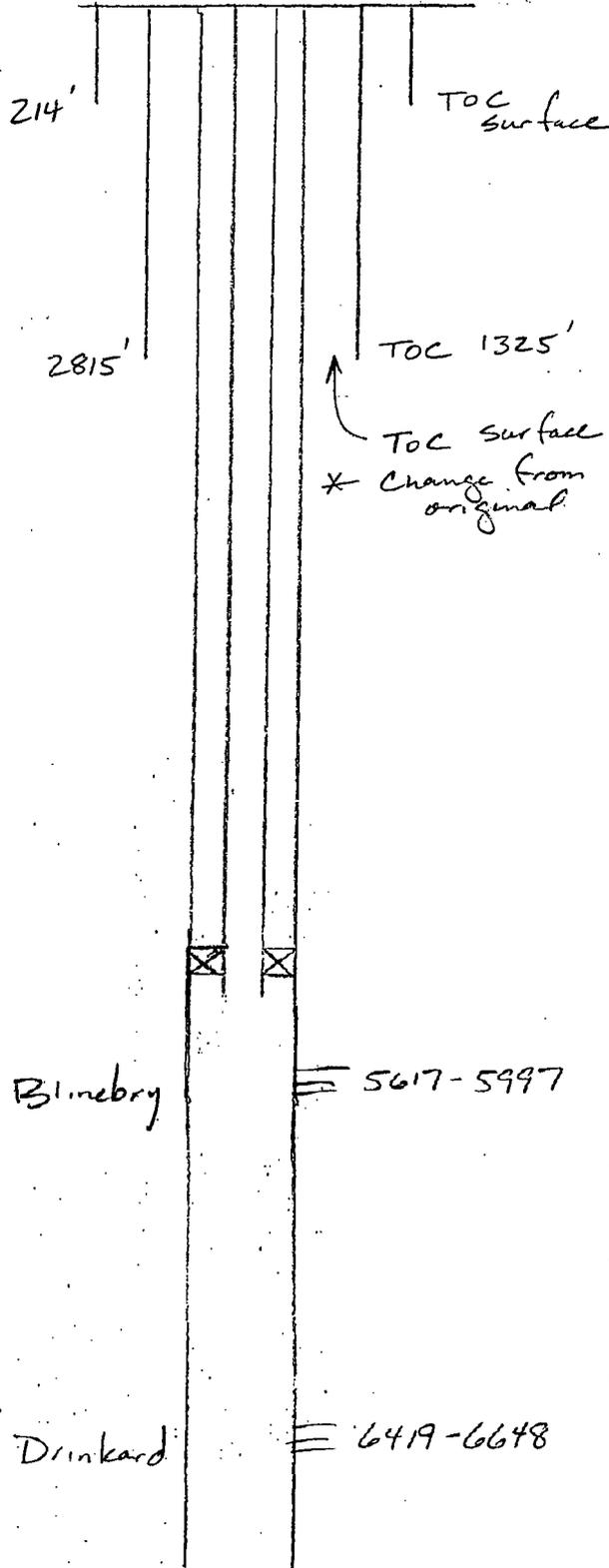
INJECTION WELL DATA SHEET (Post Conversion)

OPERATOR: Apache Corp

WELL NAME & NUMBER: State DA #2 (WBDU # 76)

WELL LOCATION: FOOTAGE LOCATION UNIT LETTER SECTION TOWNSHIP RANGE

WELLBORE SCHEMATIC



WELL CONSTRUCTION DATA

Surface Casing

Hole Size: _____ Casing Size: _____

Cemented with: _____ sx. or _____ ft³

Top of Cement: _____ Method Determined: _____

Intermediate Casing

Hole Size: _____ Casing Size: _____

Cemented with: _____ sx. or _____ ft³

Top of Cement: _____ Method Determined: _____

Production Casing

Hole Size: _____ Casing Size: _____

Cemented with: _____ sx. or _____ ft³

Top of Cement: _____ Method Determined: _____

Total Depth: _____

Injection Interval

_____ 5617 feet to _____ 6648 * Change from original

(Perforated or Open Hole; indicate which)

INJECTION WELL DATA SHEET

Tubing Size: 2 3/8 Lining Material: Plastic

Type of Packer: Coated Dual Grip

Packer Setting Depth: ± 5550

Other Type of Tubing/Casing Seal (if applicable): _____

Additional Data

1. Is this a new well drilled for injection? Yes No
If no, for what purpose was the well originally drilled? _____
2. Name of the Injection Formation: _____
3. Name of Field or Pool (if applicable): _____
4. Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail, i.e. sacks of cement or plug(s) used. _____
5. Give the name and depths of any oil or gas zones underlying or overlying the proposed injection zone in this area: _____

See "Current" schematics in original C-108 exhibit # 32 case # 14126

INJECTION WELL DATA SHEET (Post Conversion)

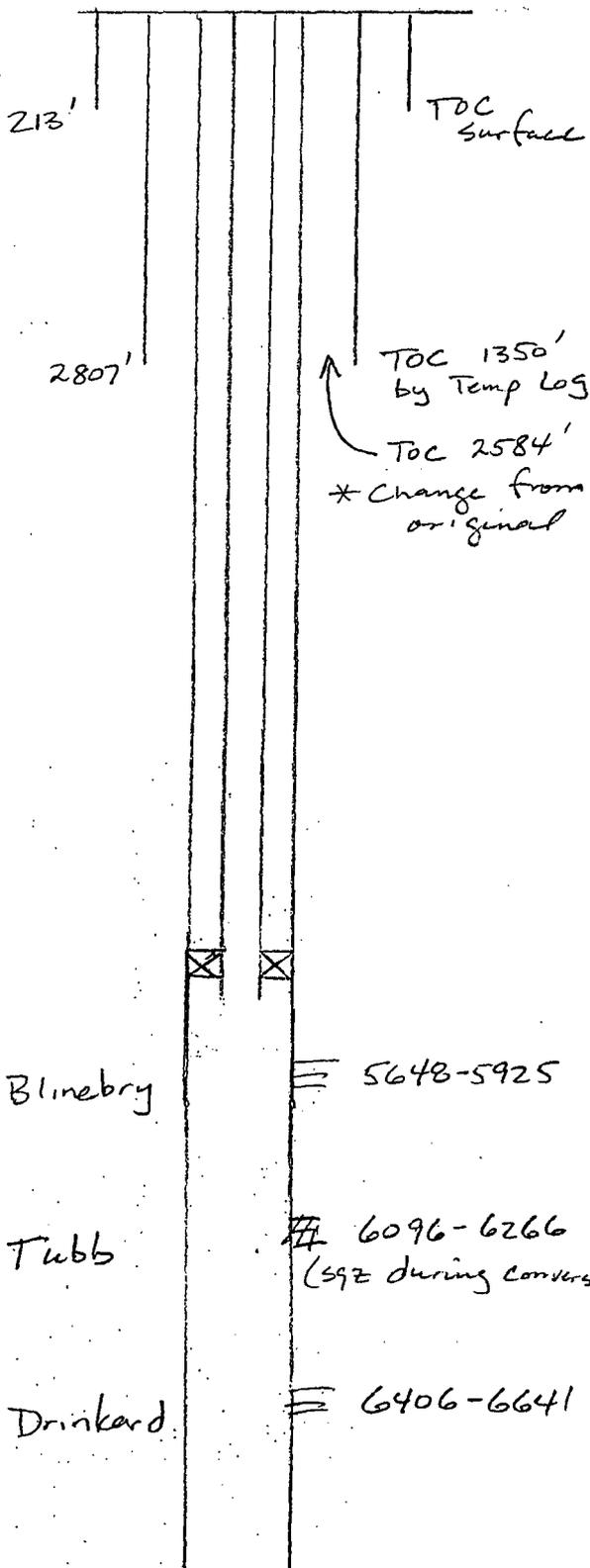
OPERATOR: Apache Corp

WELL NAME & NUMBER: State DA # 4 (WBDU # 7B)

WELL LOCATION: _____

FOOTAGE LOCATION UNIT LETTER SECTION TOWNSHIP RANGE

WELLBORE SCHEMATIC



WELL CONSTRUCTION DATA

Surface Casing

Hole Size: _____ Casing Size: _____

Cemented with: _____ sx. or _____ ft³

Top of Cement: _____ Method Determined: _____

Intermediate Casing

Hole Size: _____ Casing Size: _____

Cemented with: _____ sx. or _____ ft³

Top of Cement: _____ Method Determined: _____

Production Casing

Hole Size: _____ Casing Size: _____

Cemented with: _____ sx. or _____ ft³

Top of Cement: _____ Method Determined: _____

Total Depth: _____

Injection Interval

5648 feet to 6641

(Perforated or Open Hole; indicate which)

INJECTION WELL DATA SHEET

Tubing Size: 2 3/8 Lining Material: Plastic

Type of Packer: Coated Dual Grip

Packer Setting Depth: ± 5600'

Other Type of Tubing/Casing Seal (if applicable): _____

Additional Data

1. Is this a new well drilled for injection? Yes No

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

2. Name of the Injection Formation: _____

3. Name of Field or Pool (if applicable): _____

4. Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail, i.e. sacks of cement or plug(s) used. _____

5. Give the name and depths of any oil or gas zones underlying or overlying the proposed injection zone in this area: _____

See "Current" schematics in original C-108 exhibit #32 case # 14126