



|   |                         |                                     |            |              |         |  |                 |         |         |  |         |         |         |         |         |  |         |         |         |         |         |         |          |       |         |               |   |     |       |           |         |               |    |        |        |   |       |          |    |         |         |         |         |         |         |         |         |         |         |         |         |         |          |         |         |     |   |      |      |         |       |   |    |     |   |   |              |          |    |    |     |   |      |    |         |  |  |  |  |  |  |  |  |  |  |  |  |     |    |           |   |       |   |    |     |   |  |              |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |    |           |     |       |    |    |     |   |  |                 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |    |           |   |       |    |    |     |   |  |                 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |    |           |
|---|-------------------------|-------------------------------------|------------|--------------|---------|--|-----------------|---------|---------|--|---------|---------|---------|---------|---------|--|---------|---------|---------|---------|---------|---------|----------|-------|---------|---------------|---|-----|-------|-----------|---------|---------------|----|--------|--------|---|-------|----------|----|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|----------|---------|---------|-----|---|------|------|---------|-------|---|----|-----|---|---|--------------|----------|----|----|-----|---|------|----|---------|--|--|--|--|--|--|--|--|--|--|--|--|-----|----|-----------|---|-------|---|----|-----|---|--|--------------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|-----|----|-----------|-----|-------|----|----|-----|---|--|-----------------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|-----|----|-----------|---|-------|----|----|-----|---|--|-----------------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|-----|----|-----------|
| File No. <b>50,157</b>  | 15. Formation Code: 550 | Drainage Basin: <b>NEOSHO RIVER</b> | County: LY | Special Use: | Stream: |  |                 |         |         |  |         |         |         |         |         |  |         |         |         |         |         |         |          |       |         |               |   |     |       |           |         |               |    |        |        |   |       |          |    |         |         |         |         |         |         |         |         |         |         |         |         |         |          |         |         |     |   |      |      |         |       |   |    |     |   |   |              |          |    |    |     |   |      |    |         |  |  |  |  |  |  |  |  |  |  |  |  |     |    |           |   |       |   |    |     |   |  |              |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |    |           |     |       |    |    |     |   |  |                 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |    |           |   |       |    |    |     |   |  |                 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |    |           |
| <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td colspan="10" style="width:50%; vertical-align: top;"> <b>16. Points of Diversion</b><br/>           T<br/>           MOD<br/>           DEL<br/>           ENT<br/>           PDIV<br/>           Qualifier<br/>           S<br/>           T<br/>           R<br/>           ID<br/>           'N<br/>           'W         </td> <td colspan="5" style="width:50%; vertical-align: top;"> <b>17. Rate and Quantity MOD ADDL RATE AND QTY</b><br/>           Authorized<br/>           Additional<br/>           Rate<br/>           gpm<br/>           Quantity<br/>           mgy<br/>           Rate<br/>           gpm<br/>           Quantity<br/>           mgy<br/>           Overlap PD Files         </td> </tr> <tr> <td>√</td><td>76164</td><td>NE SW SW</td><td>9</td><td>16</td><td>11E</td><td>2</td><td>680</td><td>4512</td><td>Well #1</td><td>80</td><td>20</td><td>18</td><td>15.968</td><td>47,208</td> </tr> <tr> <td>√</td><td>76165</td><td>NE NW NW</td><td>16</td><td>16</td><td>11E</td><td>1</td><td>5129</td><td>4242</td><td>Well #2</td><td></td><td></td><td></td><td></td><td></td> </tr> <tr> <td>√</td><td>76166</td><td>NW NE NW</td><td>16</td><td>16</td><td>11E</td><td>2</td><td>5016</td><td>3653</td><td>Well #3</td><td></td><td></td><td></td><td></td><td></td> </tr> <tr> <td>√</td><td>77157</td><td>NE NE NE</td><td>17</td><td>16</td><td>11E</td><td>1</td><td>5157</td><td>40</td><td>Well #4</td><td></td><td></td><td></td><td></td><td></td> </tr> <tr> <td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td> </tr> <tr> <td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td> </tr> </table>                                    |                         |                                     |            |              |         | <b>16. Points of Diversion</b><br>T<br>MOD<br>DEL<br>ENT<br>PDIV<br>Qualifier<br>S<br>T<br>R<br>ID<br>'N<br>'W |                 |         |         |  |         |         |         |         |         | <b>17. Rate and Quantity MOD ADDL RATE AND QTY</b><br>Authorized<br>Additional<br>Rate<br>gpm<br>Quantity<br>mgy<br>Rate<br>gpm<br>Quantity<br>mgy<br>Overlap PD Files |         |         |         |         | √       | 76164   | NE SW SW | 9     | 16      | 11E           | 2 | 680 | 4512  | Well #1   | 80      | 20            | 18 | 15.968 | 47,208 | √ | 76165 | NE NW NW | 16 | 16      | 11E     | 1       | 5129    | 4242    | Well #2 |         |         |         |         |         | √       | 76166   | NW NE NW | 16      | 16      | 11E | 2 | 5016 | 3653 | Well #3 |       |   |    |     |   | √ | 77157        | NE NE NE | 17 | 16 | 11E | 1 | 5157 | 40 | Well #4 |  |  |  |  |  |  |  |  |  |  |  |  |     |    |           |   |       |   |    |     |   |  |              |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |    |           |     |       |    |    |     |   |  |                 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |    |           |   |       |    |    |     |   |  |                 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |    |           |
| <b>16. Points of Diversion</b><br>T<br>MOD<br>DEL<br>ENT<br>PDIV<br>Qualifier<br>S<br>T<br>R<br>ID<br>'N<br>'W  |                         |                                     |            |              |         |  |                 |         |         | <b>17. Rate and Quantity MOD ADDL RATE AND QTY</b><br>Authorized<br>Additional<br>Rate<br>gpm<br>Quantity<br>mgy<br>Rate<br>gpm<br>Quantity<br>mgy<br>Overlap PD Files |         |         |         |         |         |  |         |         |         |         |         |         |          |       |         |               |   |     |       |           |         |               |    |        |        |   |       |          |    |         |         |         |         |         |         |         |         |         |         |         |         |         |          |         |         |     |   |      |      |         |       |   |    |     |   |   |              |          |    |    |     |   |      |    |         |  |  |  |  |  |  |  |  |  |  |  |  |     |    |           |   |       |   |    |     |   |  |              |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |    |           |     |       |    |    |     |   |  |                 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |    |           |   |       |    |    |     |   |  |                 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |    |           |
| √   | 76164                   | NE SW SW                            | 9          | 16           | 11E     | 2  | 680             | 4512    | Well #1 | 80   | 20      | 18      | 15.968  | 47,208  |         |  |         |         |         |         |         |         |          |       |         |               |   |     |       |           |         |               |    |        |        |   |       |          |    |         |         |         |         |         |         |         |         |         |         |         |         |         |          |         |         |     |   |      |      |         |       |   |    |     |   |   |              |          |    |    |     |   |      |    |         |  |  |  |  |  |  |  |  |  |  |  |  |     |    |           |   |       |   |    |     |   |  |              |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |    |           |     |       |    |    |     |   |  |                 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |    |           |   |       |    |    |     |   |  |                 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |    |           |
| √   | 76165                   | NE NW NW                            | 16         | 16           | 11E     | 1  | 5129            | 4242    | Well #2 |  |         |         |         |         |         |  |         |         |         |         |         |         |          |       |         |               |   |     |       |           |         |               |    |        |        |   |       |          |    |         |         |         |         |         |         |         |         |         |         |         |         |         |          |         |         |     |   |      |      |         |       |   |    |     |   |   |              |          |    |    |     |   |      |    |         |  |  |  |  |  |  |  |  |  |  |  |  |     |    |           |   |       |   |    |     |   |  |              |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |    |           |     |       |    |    |     |   |  |                 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |    |           |   |       |    |    |     |   |  |                 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |    |           |
| √   | 76166                   | NW NE NW                            | 16         | 16           | 11E     | 2  | 5016            | 3653    | Well #3 |  |         |         |         |         |         |  |         |         |         |         |         |         |          |       |         |               |   |     |       |           |         |               |    |        |        |   |       |          |    |         |         |         |         |         |         |         |         |         |         |         |         |         |          |         |         |     |   |      |      |         |       |   |    |     |   |   |              |          |    |    |     |   |      |    |         |  |  |  |  |  |  |  |  |  |  |  |  |     |    |           |   |       |   |    |     |   |  |              |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |    |           |     |       |    |    |     |   |  |                 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |    |           |   |       |    |    |     |   |  |                 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |    |           |
| √   | 77157                   | NE NE NE                            | 17         | 16           | 11E     | 1  | 5157            | 40      | Well #4 |  |         |         |         |         |         |  |         |         |         |         |         |         |          |       |         |               |   |     |       |           |         |               |    |        |        |   |       |          |    |         |         |         |         |         |         |         |         |         |         |         |         |         |          |         |         |     |   |      |      |         |       |   |    |     |   |   |              |          |    |    |     |   |      |    |         |  |  |  |  |  |  |  |  |  |  |  |  |     |    |           |   |       |   |    |     |   |  |              |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |    |           |     |       |    |    |     |   |  |                 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |    |           |   |       |    |    |     |   |  |                 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |    |           |
|   |                         |                                     |            |              |         |  |                 |         |         |  |         |         |         |         |         |  |         |         |         |         |         |         |          |       |         |               |   |     |       |           |         |               |    |        |        |   |       |          |    |         |         |         |         |         |         |         |         |         |         |         |         |         |          |         |         |     |   |      |      |         |       |   |    |     |   |   |              |          |    |    |     |   |      |    |         |  |  |  |  |  |  |  |  |  |  |  |  |     |    |           |   |       |   |    |     |   |  |              |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |    |           |     |       |    |    |     |   |  |                 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |    |           |   |       |    |    |     |   |  |                 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |    |           |
|   |                         |                                     |            |              |         |  |                 |         |         |  |         |         |         |         |         |  |         |         |         |         |         |         |          |       |         |               |   |     |       |           |         |               |    |        |        |   |       |          |    |         |         |         |         |         |         |         |         |         |         |         |         |         |          |         |         |     |   |      |      |         |       |   |    |     |   |   |              |          |    |    |     |   |      |    |         |  |  |  |  |  |  |  |  |  |  |  |  |     |    |           |   |       |   |    |     |   |  |              |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |    |           |     |       |    |    |     |   |  |                 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |    |           |   |       |    |    |     |   |  |                 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |    |           |
| <b>18. Storage:</b> Rate _____ NF Quantity _____ ac/ft Additional Rate _____ NF Additional Quantity _____ ac/ft   |                         |                                     |            |              |         |  |                 |         |         |  |         |         |         |         |         |  |         |         |         |         |         |         |          |       |         |               |   |     |       |           |         |               |    |        |        |   |       |          |    |         |         |         |         |         |         |         |         |         |         |         |         |         |          |         |         |     |   |      |      |         |       |   |    |     |   |   |              |          |    |    |     |   |      |    |         |  |  |  |  |  |  |  |  |  |  |  |  |     |    |           |   |       |   |    |     |   |  |              |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |    |           |     |       |    |    |     |   |  |                 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |    |           |   |       |    |    |     |   |  |                 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |    |           |
| <b>19. Limitation:</b> <u>112.42</u> MG/yr at _____ gpm (_____ cfs) when combined with file number(s) <b>44,071; 47,208; and 49,697</b><br>Limitation: _____ af/yr at <u>80</u> gpm (_____ cfs) when combined with file number(s) <b>47,208 (20 gpm per well)</b>   |                         |                                     |            |              |         |  |                 |         |         |  |         |         |         |         |         |  |         |         |         |         |         |         |          |       |         |               |   |     |       |           |         |               |    |        |        |   |       |          |    |         |         |         |         |         |         |         |         |         |         |         |         |         |          |         |         |     |   |      |      |         |       |   |    |     |   |   |              |          |    |    |     |   |      |    |         |  |  |  |  |  |  |  |  |  |  |  |  |     |    |           |   |       |   |    |     |   |  |              |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |    |           |     |       |    |    |     |   |  |                 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |    |           |   |       |    |    |     |   |  |                 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |    |           |
| <b>20. Meter Required?</b> <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No To be installed by <u>12/31/2020</u> Date Acceptable Meter Installed _____   |                         |                                     |            |              |         |  |                 |         |         |  |         |         |         |         |         |  |         |         |         |         |         |         |          |       |         |               |   |     |       |           |         |               |    |        |        |   |       |          |    |         |         |         |         |         |         |         |         |         |         |         |         |         |          |         |         |     |   |      |      |         |       |   |    |     |   |   |              |          |    |    |     |   |      |    |         |  |  |  |  |  |  |  |  |  |  |  |  |     |    |           |   |       |   |    |     |   |  |              |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |    |           |     |       |    |    |     |   |  |                 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |    |           |   |       |    |    |     |   |  |                 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |    |           |
| <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td colspan="7" style="width:25%; vertical-align: top;"> <b>21. Place of Use</b><br/>           T<br/>           MOD<br/>           DEL<br/>           ENT<br/>           PUSE<br/>           S<br/>           T<br/>           R<br/>           ID         </td> <td colspan="4" style="width:12.5%; text-align: center;">NE¼</td> <td colspan="4" style="width:12.5%; text-align: center;">NW¼</td> <td colspan="4" style="width:12.5%; text-align: center;">SW¼</td> <td colspan="4" style="width:12.5%; text-align: center;">SE¼</td> <td style="width:5%;">Total</td> <td style="width:10%;">Owner</td> <td style="width:10%;">Chg? NO</td> <td style="width:10%;">Overlap Files</td> </tr> <tr> <td></td><td></td><td></td><td></td><td></td><td></td><td></td> <td>NE<br/>¼</td><td>NW<br/>¼</td><td>SW<br/>¼</td><td>SE<br/>¼</td> <td>NE<br/>¼</td><td>NW<br/>¼</td><td>SW<br/>¼</td><td>SE<br/>¼</td> <td>NE<br/>¼</td><td>NW<br/>¼</td><td>SW<br/>¼</td><td>SE<br/>¼</td> <td>NE<br/>¼</td><td>NW<br/>¼</td><td>SW<br/>¼</td><td>SE<br/>¼</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>√</td><td>53084</td><td>8</td><td>16</td><td>11E</td><td>1</td><td></td> <td colspan="20">FEEDLOT (SE)</td> <td></td> <td>7a.</td> <td>No</td> <td>see below</td> </tr> <tr> <td>√</td><td>53085</td><td>9</td><td>16</td><td>11E</td><td>1</td><td></td> <td colspan="20">FEEDLOT (SW)</td> <td></td> <td>7a.</td> <td>No</td> <td>see below</td> </tr> <tr> <td>MOD</td><td>60148</td><td>16</td><td>16</td><td>11E</td><td>1</td><td></td> <td colspan="20">FEEDLOT (N2 N2)</td> <td></td> <td>7a.</td> <td>No</td> <td>see below</td> </tr> <tr> <td>√</td><td>60297</td><td>17</td><td>16</td><td>11E</td><td>1</td><td></td> <td colspan="20">FEEDLOT (N2 NE)</td> <td></td> <td>7a.</td> <td>No</td> <td>see below</td> </tr> </table> |                         |                                     |            |              |         | <b>21. Place of Use</b><br>T<br>MOD<br>DEL<br>ENT<br>PUSE<br>S<br>T<br>R<br>ID                                 |                 |         |         |  |         |         | NE¼     |         |         |  | NW¼     |         |         |         | SW¼     |         |          |       | SE¼     |               |   |     | Total | Owner     | Chg? NO | Overlap Files |    |        |        |   |       |          |    | NE<br>¼ | NW<br>¼ | SW<br>¼ | SE<br>¼ | NE<br>¼ | NW<br>¼ | SW<br>¼ | SE<br>¼ | NE<br>¼ | NW<br>¼ | SW<br>¼ | SE<br>¼ | NE<br>¼ | NW<br>¼  | SW<br>¼ | SE<br>¼ |     |   |      |      | √       | 53084 | 8 | 16 | 11E | 1 |   | FEEDLOT (SE) |          |    |    |     |   |      |    |         |  |  |  |  |  |  |  |  |  |  |  |  | 7a. | No | see below | √ | 53085 | 9 | 16 | 11E | 1 |  | FEEDLOT (SW) |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 7a. | No | see below | MOD | 60148 | 16 | 16 | 11E | 1 |  | FEEDLOT (N2 N2) |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 7a. | No | see below | √ | 60297 | 17 | 16 | 11E | 1 |  | FEEDLOT (N2 NE) |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 7a. | No | see below |
| <b>21. Place of Use</b><br>T<br>MOD<br>DEL<br>ENT<br>PUSE<br>S<br>T<br>R<br>ID  |                         |                                     |            |              |         |  | NE¼             |         |         |  | NW¼     |         |         |         | SW¼     |  |         |         | SE¼     |         |         |         | Total    | Owner | Chg? NO | Overlap Files |   |     |       |           |         |               |    |        |        |   |       |          |    |         |         |         |         |         |         |         |         |         |         |         |         |         |          |         |         |     |   |      |      |         |       |   |    |     |   |   |              |          |    |    |     |   |      |    |         |  |  |  |  |  |  |  |  |  |  |  |  |     |    |           |   |       |   |    |     |   |  |              |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |    |           |     |       |    |    |     |   |  |                 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |    |           |   |       |    |    |     |   |  |                 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |    |           |
|   |                         |                                     |            |              |         |  | NE<br>¼         | NW<br>¼ | SW<br>¼ | SE<br>¼  | NE<br>¼ | NW<br>¼ | SW<br>¼ | SE<br>¼ | NE<br>¼ | NW<br>¼  | SW<br>¼ | SE<br>¼ | NE<br>¼ | NW<br>¼ | SW<br>¼ | SE<br>¼ |          |       |         |               |   |     |       |           |         |               |    |        |        |   |       |          |    |         |         |         |         |         |         |         |         |         |         |         |         |         |          |         |         |     |   |      |      |         |       |   |    |     |   |   |              |          |    |    |     |   |      |    |         |  |  |  |  |  |  |  |  |  |  |  |  |     |    |           |   |       |   |    |     |   |  |              |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |    |           |     |       |    |    |     |   |  |                 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |    |           |   |       |    |    |     |   |  |                 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |    |           |
| √   | 53084                   | 8                                   | 16         | 11E          | 1       |  | FEEDLOT (SE)    |         |         |  |         |         |         |         |         |  |         |         |         |         |         |         |          |       |         |               |   | 7a. | No    | see below |         |               |    |        |        |   |       |          |    |         |         |         |         |         |         |         |         |         |         |         |         |         |          |         |         |     |   |      |      |         |       |   |    |     |   |   |              |          |    |    |     |   |      |    |         |  |  |  |  |  |  |  |  |  |  |  |  |     |    |           |   |       |   |    |     |   |  |              |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |    |           |     |       |    |    |     |   |  |                 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |    |           |   |       |    |    |     |   |  |                 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |    |           |
| √   | 53085                   | 9                                   | 16         | 11E          | 1       |  | FEEDLOT (SW)    |         |         |  |         |         |         |         |         |  |         |         |         |         |         |         |          |       |         |               |   | 7a. | No    | see below |         |               |    |        |        |   |       |          |    |         |         |         |         |         |         |         |         |         |         |         |         |         |          |         |         |     |   |      |      |         |       |   |    |     |   |   |              |          |    |    |     |   |      |    |         |  |  |  |  |  |  |  |  |  |  |  |  |     |    |           |   |       |   |    |     |   |  |              |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |    |           |     |       |    |    |     |   |  |                 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |    |           |   |       |    |    |     |   |  |                 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |    |           |
| MOD   | 60148                   | 16                                  | 16         | 11E          | 1       |  | FEEDLOT (N2 N2) |         |         |  |         |         |         |         |         |  |         |         |         |         |         |         |          |       |         |               |   | 7a. | No    | see below |         |               |    |        |        |   |       |          |    |         |         |         |         |         |         |         |         |         |         |         |         |         |          |         |         |     |   |      |      |         |       |   |    |     |   |   |              |          |    |    |     |   |      |    |         |  |  |  |  |  |  |  |  |  |  |  |  |     |    |           |   |       |   |    |     |   |  |              |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |    |           |     |       |    |    |     |   |  |                 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |    |           |   |       |    |    |     |   |  |                 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |    |           |
| √   | 60297                   | 17                                  | 16         | 11E          | 1       |  | FEEDLOT (N2 NE) |         |         |  |         |         |         |         |         |  |         |         |         |         |         |         |          |       |         |               |   | 7a. | No    | see below |         |               |    |        |        |   |       |          |    |         |         |         |         |         |         |         |         |         |         |         |         |         |          |         |         |     |   |      |      |         |       |   |    |     |   |   |              |          |    |    |     |   |      |    |         |  |  |  |  |  |  |  |  |  |  |  |  |     |    |           |   |       |   |    |     |   |  |              |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |    |           |     |       |    |    |     |   |  |                 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |    |           |   |       |    |    |     |   |  |                 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |    |           |
| <b>Comments:</b> File Nos. 44,071; 47,208; 49,697; 50,157; and 50,158 overlap in STK place of Use.  |                         |                                     |            |              |         |  |                 |         |         |  |         |         |         |         |         |  |         |         |         |         |         |         |          |       |         |               |   |     |       |           |         |               |    |        |        |   |       |          |    |         |         |         |         |         |         |         |         |         |         |         |         |         |          |         |         |     |   |      |      |         |       |   |    |     |   |   |              |          |    |    |     |   |      |    |         |  |  |  |  |  |  |  |  |  |  |  |  |     |    |           |   |       |   |    |     |   |  |              |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |    |           |     |       |    |    |     |   |  |                 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |    |           |   |       |    |    |     |   |  |                 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |    |           |

**KANSAS DEPARTMENT OF AGRICULTURE**  
**Division of Water Resources**  
**MEMORANDUM**

**TO:** Files

**DATE:** February 12, 2019

**FROM:** Doug Schemm

**RE:** Applications, File Nos. 50,157 and 50,158

2 I Feeders LLC has filed the above referenced applications proposing to appropriate additional water for stockwatering use. File No. 50,157 is requesting 20 million gallons (61.38 acre-feet) of groundwater per calendar year at a diversion rate not to exceed 80 gallons per minute. File No. 50,158 is requesting 32.585 million gallons (100 acre-feet) of storage and the redirection of 32.585 million gallons (100 acre-feet) of surface water from an existing reservoir. The feedlot is located in Sections 8, 9, 16 and 17, all in Township 16 South, Range 11 East, in Lyon County, within the Neosho River Drainage Basin. The applicant is the owner of the place of use, and a representative has signed the applications stating they have access to the points of diversion. Note that both overlapping Water Right, File Nos. 44,071 and 47,208 exceeded their authorized quantity of water in 2017. These new applications will ensure the owner has adequate water authorized for future years. Note that File Nos. 44,071; 47,208; and 49,697 will all overlap in Place of Use after approval of pending change applications.

**APPLICATION, FILE NO. 50,157**

File No. 50,157 will overlap in point of diversion with File No. 47,208, which authorizes 4 wells, per K.A.R. 5-3-4, wherein a single application can include "Not more than four wells within a circle with a quarter-mile radius in the same local source of supply that do not exceed a maximum diversion rate of 20 gallons per minute per well." Therefore, this pending application must have a rate of diversion limitation of 80 gallons per minute and not to exceed 20 gallons per minute per well, with the senior file. File No. 47,208 is authorized 62 gpm, so this new application will provide for 18 gpm additional rate.

The applicant did not identify any other wells within one-half ( $\frac{1}{2}$ ) mile of the proposed point of diversion, other than his own stockwatering and domestic wells. Therefore, no notification letters are required. The application complies with minimum well spacing criteria of 1,320 feet to all other existing non-domestic wells and 660 to any domestic wells. There are no other permitted wells within a 2-mile radius circle.

A review of the applicant's well logs shows alternating shales and limestones, with water encountered in the limestone layers at depths of 40 feet to 50 feet, with static water levels from 25 feet to 35 feet. Based on the senior file, and well logs, it appears the source of water is the Permian system (more specifically the Council Grove group). Total depths of the wells range from 80 to 100 feet. With water encountered at depths below where static water levels, this indicates that the bedrock aquifer is under confined conditions. Again, this is also typical for wells in this area where the limestone strata are believed to be the water source for the wells. Since the aquifer is likely confined, K.A.R. 5-3-14 describes the methodology to determine safe yield, as follows:

- (a) Each application to appropriate water from a confined aquifer shall be processed on a case by case basis so that the safe yield of the source of water supply is not exceeded.
- (b) Until a specific regulation is adopted by the chief engineer for the confined source of water supply, the analysis shall be made using the best information reasonably available to the chief engineer.

No specific regulation has been adopted by the chief engineer for the Permian bedrock aquifer; therefore the best information available should be utilized. The potential annual recharge established for this area for unconfined aquifers (5.2 inches) would provide a maximum quantity of recharge possible. Although it is likely that the confined bedrock aquifer system would receive somewhat less recharge than a near-surface, unconfined aquifer, this safe yield value for unconfined aquifers per K.A.R. 5-3-11 provides a maximum quantity of water available in the area of consideration.

If there is a significant quantity of water still remaining, then even with significant reduced recharge to the confined aquifer (in this case it would require only 4% of the maximum recharge value or 0.2 inches of recharge) there would still be sufficient water available. Therefore, based on the above discussion, it appears that this application can be approved per K.A.R. 5-3-14, using the best information reasonably available to the chief engineer. Also in keeping with the senior file, safe yield was evaluated using the extent of the bedrock aquifer, which is also consistent with other applications completed in this area of the state. Using the extent of the bedrock aquifer as the area of consideration provides a total of 8,042 acres. Based on a potential recharge of 5.2 inches, with 75% available for appropriation, safe yield was determined to be 2,613.8 acre-feet. With only 11.32 acre-feet previously appropriated in this area, there is sufficient quantity of water available for appropriation, and this application meets safe yield criteria.

**APPLICATION, FILE NO. 50,158**

File No. 50,158 will overlap in point of diversion with File No. 44,071, which authorizes one dam and reservoir. Documentation in the senior file shows that the capacity of the reservoir is 32 acre-feet, and the drainage area will provide for 203 acre-feet of runoff in 1 out of every five (5) years (a 20% chance). The dam is already permitted under the structures program under File No. DLY-151. The senior file storage quantity was based on 1 year of direct use (84 AF) + capacity (32 AF) + 1 year of evaporation (8.2 AF) for a total of 124 acre-feet. File No. 44,071 is certified with 75 acre-feet of storage, and 11.498 million gallons of direct use. The pending application is requesting 100 acre-feet of storage for a combined total of 175 acre-feet of storage, which is less than the basin runoff potential. The storage and rediversion quantity requested under the pending application (100 acre-feet) is to supply additional water from this reservoir and is significantly less than one year of direct use of 345 acre-feet (112.42 million gallons). Upstream and downstream landowners were notified of both the new application and change application for File No. 44,071. No responses of any kind were received. As noted, this is an existing reservoir that has been in place for many years, and the applicant owns all of the property for over a mile below the dam. The applicant also owns the property upstream for one-half mile, and the stream only extends into the upstream property for a few hundred feet. There will be no impairment of senior water rights with approval of this application.

Finally, File No. 49,697 also overlaps in place of use. It is authorized to divert 96.452 million gallons from a proposed reservoir, which is owned by Allen Creek Watershed District No. 89.

File No. 44,071 is authorized 11.498 million gallons (direct use), File No. 47,208 is authorized 3.692 million gallons (limited to 13.295 million gallons with senior file), and File No. 49,697 is authorized 96.452 million gallons (limited to 96.452 million gallons direct use with the senior files). The applicant has provided information with the new application, to justify the requested quantity of water, as follows: 17,600 head of cattle x 15.0 gallons per head per day x 365 days = 96.4 million gallons. However, similar stockwatering facilities typically request additional water for cooling and sanitation, as follows:

|   |          |                               |
|---|----------|-------------------------------|
| Drinking water  | =        | 96.4 million gallons          |
| Cooling = 80 gpm x 60 min/hr x 10 hrs/day x 240 Days/year | =        | 11.52 million gallons         |
| Sanitation, pen cleaning, etc.                            | =        | 3.5 million gallons           |
| Other (Misc.)   | =        | <u>1.0 million gallons</u>    |
| <b>Total</b>  | <b>=</b> | <b>112.42 million gallons</b> |

These pending applications will be limited to 112.42 million gallons when combined with the senior files, with File No. 50,157 providing 15.968 million gallons additional water (112.42 mgy – 96.452 mgy). File No. 50,158 will not provide any additional water when combined with the senior files, however, these new applications will provide greater flexibility in management of water for stockwatering use.

The applicant has submitted a signed and notarized Minimum Desirable Streamflow (MDS) statement for each application. By completing these statements, the applicant affirms his knowledge that there could be times when the diversion of water may not be allowed under these permits.

In accordance with K.S.A. 82a-706c, the Chief Engineer retains full authority to require any water user to install meters, gages, or other measuring devices, which devices he or she or his or her agents may read at any time. Water flowmeter requirements are further described in K.A.R. 5-1-4 through K.A.R. 5-1-12. The applications indicate that no chemicals will be injected into the water pumped under these permits, therefore check valves will not be required. A diversion rate of less than 100 gallons per minute has been proposed, so a water level measurement tube is not required by regulation for File No. 50,157.

In a February 11, 2019 discussion, Katie Tietsort, Water Commissioner, Topeka Field Office, recommended approval of the referenced applications. Based on the above discussion, well spacing and safe yield criteria are met for File No. 50,157, approval gives the applicant adequate water for this facility, and approval of the applications will not impair senior water rights nor prejudicially or unreasonably affect the public interest, it is recommended that the referenced applications be approved.

Douglas W. Schemm  
Environmental Scientist  
Topeka Field Office

1320 Research Park Drive  
Manhattan, KS 66502  
785-564-6700  
www. agriculture.ks.gov



900 SW Jackson, Room 456  
Topeka, KS 66612  
785-296-3556

Mike Beam, Secretary

Laura Kelly, Governor

April 19, 2019

2 I FEEDERS LLC  
884 RD 350  
ALLEN KS 66833

**FILE COPY**

Re: Appropriation of Water, File Nos. 50,157 and 50,158

Dear Sir or Madam:

There are enclosed permits to appropriate water authorizing you to proceed with construction of the proposed diversion works (except those dams and stream obstructions regulated by K.S.A. 82a-301 through 305a), to divert such unappropriated water as may be available from the source and at the locations specified in these permits, and to use it for the purpose and at the location described in these permits.

Your attention is directed to the enclosures and to the terms, conditions, and limitations specified in these approval documents. Water meters are required on the proposed diversion works and you must install them prior to water being put to beneficial use in order for you to maintain accurate records of water use. The meters should be used to provide the information required on the annual water use reports.

Failure to notify the Chief Engineer of the Division of Water Resources of the completion of the diversion works within the time allowed, or within any authorized extension of time thereof, will result in the dismissal of these permits. Enclosed are forms which may be used to notify the Chief Engineer that the proposed diversion works have been completed. All requests for extensions of time to complete diversion works, or to perfect appropriations, must be submitted to the Chief Engineer before the expiration of time originally set forth in these permits to complete diversion works or to perfect an appropriation. If for any reason, you require an extension of time, you must request it before the expiration of time set forth in these permits. Failure to comply with this regulation will result in the dismissal of your permits or your water rights. Any request for an extension of time shall be accompanied by the required statutory fee, which is currently \$100.00 per file number. There is also enclosed an information sheet setting forth the procedure to obtain a Certificate of Appropriation which will establish the extent of your water rights.

Sincerely,

Kristen A. Baum  
New Application Unit Supervisor  
Water Appropriation Program

KAB:dws

Enclosures

pc: Topeka Field Office

THE STATE OF KANSAS



KANSAS DEPARTMENT OF AGRICULTURE  
Mike Beam, Secretary of Agriculture

DIVISION OF WATER RESOURCES  
David W. Barfield, Chief Engineer

APPROVAL OF APPLICATION  
and  
PERMIT TO PROCEED

(This Is Not a Certificate of Appropriation)

This is to certify that I have examined Application, File No. 50,157 of the applicant

2 I FEEDERS LLC  
884 RD 350  
ALLEN KS 66833

for a permit to appropriate water for beneficial use, together with the maps, plans and other submitted data, and that the application is hereby approved and the applicant is hereby authorized, subject to vested rights and prior appropriations, to proceed with the construction of the proposed diversion works (except those dams and stream obstructions regulated by K.S.A. 82a-301 through 305a, as amended), and to proceed with all steps necessary for the application of the water to the approved and proposed beneficial use and otherwise perfect the proposed appropriation subject to the following terms, conditions and limitations:

1. That the priority date assigned to such application is **November 8, 2018**.
2. That the water sought to be appropriated shall be used for stockwatering use at a cattle feedlot located in the Southeast Quarter (SE $\frac{1}{4}$ ) of Section 8, the Southwest Quarter (SW $\frac{1}{4}$ ) of Section 9, the North Half of the North Half (N $\frac{1}{2}$  N $\frac{1}{2}$ ) of Section 16, and the North Half of the Northeast Quarter (N $\frac{1}{2}$  NE $\frac{1}{4}$ ) of Section 17, all in Township 16 South, Range 11 East, Lyon County, Kansas.
3. That the authorized source from which the appropriation shall be made is groundwater, to be withdrawn by means of four (4) wells located as follows:

One (1) well in the Northeast Quarter of the Southwest Quarter of the Southwest Quarter (NE $\frac{1}{4}$  SW $\frac{1}{4}$  SW $\frac{1}{4}$ ) of Section 9, more particularly described as being near a point 680 feet North and 4,512 feet West of the Southeast corner of said section,

One (1) well in the Northeast Quarter of the Northwest Quarter of the Northwest Quarter (NE $\frac{1}{4}$  NW $\frac{1}{4}$  NW $\frac{1}{4}$ ) of Section 16, more particularly described as being near a point 5,129 feet North and 4,242 feet West of the Southeast corner of said section,

One (1) well in the Northwest Quarter of the Northeast Quarter of the Northwest Quarter (NW $\frac{1}{4}$  NE $\frac{1}{4}$  NW $\frac{1}{4}$ ) of Section 16, more particularly described as being near a point 5,016 feet North and 3,653 feet West of the Southeast corner of said section, and

One (1) well in the Northeast Quarter of the Northeast Quarter of the Northeast Quarter (NE $\frac{1}{4}$  NE $\frac{1}{4}$  NE $\frac{1}{4}$ ) of Section 17, more particularly described as being near a point 5,157 feet North and 40 feet West of the Southeast corner of said section,

all in Township 16 South, Range 11 East, Lyon County, Kansas, located substantially as shown on the topographic map accompanying the application.

4. That the appropriation sought shall be limited to a maximum diversion rate not in excess of **80 gallons per minute (0.18 c.f.s.)** and to a quantity not to exceed **20.0 million gallons** (61.38 acre-feet) of water for any calendar year.

5. That installation of works for diversion of water shall be completed on or before **December 31, 2020** or within any authorized extension thereof. The applicant shall notify the Chief Engineer and pay the statutorily required field inspection fee of \$400.00 when construction of the works has been completed. Failure to timely submit the notice and the fee will result in revocation of the permit. Any request for an extension of time shall be submitted prior to the expiration of the deadline and shall be accompanied by the required statutory fee of \$100.00.

6. That the proposed appropriation shall be perfected by the actual application of water to the proposed beneficial use on or before **December 31, 2024** or any authorized extension thereof. Any request for an extension of time shall be submitted prior to the expiration of the deadline and shall be accompanied by the required statutory fee of \$100.00.

7. That the applicant shall not be deemed to have acquired a water appropriation for a quantity in excess of the amount approved herein nor in excess of the amount found by the Chief Engineer to have been actually used for the approved purpose during one calendar year subsequent to approval of the application and within the time specified for perfection or any authorized extension thereof.

8. That the use of water herein authorized shall not be made so as to impair any use under existing water rights nor prejudicially and unreasonably affect the public interest.

9. That the right of the appropriator shall relate to a specific quantity of water and such right must allow for a reasonable raising or lowering of the static water level and for the reasonable increase or decrease of the streamflow at the appropriator's point of diversion.

10. That this permit does not constitute authority under K.S.A. 82a-301 through 305a to construct any dam or other obstruction; nor does it grant any right-of-way, or authorize entry upon or injury to, public or private property.

11. That all diversion works constructed under the authority of this permit into which any type of chemical or other foreign substance will be injected into the water pumped from the diversion works shall be equipped with an in-line, automatic quick-closing, check valve capable of preventing pollution of the source of the water supply. The type of valve installed shall meet specifications adopted by the Chief Engineer and shall be maintained in an operating condition satisfactory to the Chief Engineer.

12. That an acceptable water flow meter shall be installed and maintained on the diversion works authorized by this permit in accordance with Kansas Administrative Regulations 5-1-4 through 5-1-12 adopted by the Chief Engineer. This water flow meter shall be used to provide an accurate quantity of water diverted as required for the annual water use report (including the meter reading at the beginning and end of the report year).

13. That the applicant shall maintain accurate and complete records from which the quantity of water diverted during each calendar year may be readily determined and the applicant shall file an annual water use report with the Chief Engineer by March 1 following the end of each calendar year. Failure to file the annual water use report by the due date shall cause the applicant to be subject to a civil penalty.



14. That no water user shall engage in nor allow the waste of any water diverted under the authority of this permit.

15. That failure without cause to comply with provisions of the permit and its terms, conditions and limitations will result in the forfeiture of the priority date, revocation of the permit and dismissal of the application.

16. That the right to appropriate water under authority of this permit is subject to any minimum desirable streamflow requirements identified and established pursuant to K.S.A. 82a-703c for the source of supply to which this water right applies.

17. That this permit is limited such that all four (4) wells shall be located within a  $\frac{1}{4}$  mile (1,320 feet) radius circle, in the same local source of supply, that do not exceed a **maximum diversion rate of 20 gallons per minute per well**.

18. That the rate of diversion of water approved under this permit is further limited to the rate which combined with Water Right, File No. 47,208, will provide a **total not to exceed 80 gallons per minute** (0.178 c.f.s.) from the authorized points of diversion.

19. That the quantity of water approved under this permit is further limited to the quantity which combined with Water Right, File Nos. 44,071 and 47,208, and Appropriation of Water, File No. 49,697, will provide a total not to exceed **112.42 million gallons** (345 acre-feet) of water per calendar year for stockwatering use as described herein.

#### **RIGHT TO A HEARING AND TO ADMINISTRATIVE REVIEW**

If you are aggrieved by this Order, then pursuant to K.S.A. 82a-1901, you may:

- 1) request an evidentiary hearing before the Chief Engineer, or
- 2) request administrative review by the Secretary of Agriculture.

Failure to request an evidentiary hearing before the Chief Engineer does not preclude your right to administrative review by the Secretary. To obtain an evidentiary hearing before the Chief Engineer, a written request for hearing must be filed within 15 days after service of this Order as provided in K.S.A. 77-531 (**i.e., within a total of 18 days after this Order was mailed to you**), with: Kansas Department of Agriculture, Attn: Legal Section, 1320 Research Park Drive, Manhattan, Kansas 66502, FAX (785) 564-6777.

If you do not file a request for an evidentiary hearing before the Chief Engineer, you may petition for administrative review of the Order by the Secretary of Agriculture. A petition for review shall be in writing and state the basis for requesting administrative review. The request for hearing may be denied if the request fails to clearly establish factual or legal issues for review. See K.S.A. 77-527. The petition must be filed within 30 days after service of this Order as provided in K.S.A. 77-531 (**i.e., within a total of 33 days after this Order was mailed to you**), and be filed with: Secretary of Agriculture, Attn: Legal Division, Kansas Department of Agriculture, 1320 Research Park Drive, Manhattan, Kansas 66502, FAX (785) 564-6777.



THE STATE OF KANSAS



KANSAS DEPARTMENT OF AGRICULTURE  
Jackie McClaskey, Secretary of Agriculture

DIVISION OF WATER RESOURCES  
David W. Barfield, Chief Engineer

File Number 50157

This item to be completed by the Division of Water Resources.

WATER RESOURCES RECEIVED

NOV 08 2018

11:50

APPLICATION COMPLETE  
4/18/19  
Reviewer KAB

**APPLICATION FOR PERMIT TO APPROPRIATE WATER FOR BENEFICIAL USE**  
Filing Fee Must Accompany the Application  
(Please refer to Fee Schedule attached to this application form.)

KS DEPT OF AGRICULTURE

To the Chief Engineer of the Division of Water Resources, Kansas Department of Agriculture,  
1320 Research Park Drive, Manhattan, KS 66502:

1. Name of Applicant (Please Print): 2 I FEEDERS LLC  
Address: 884 RD 350  
City: ALLEN State KS Zip Code: 66833  
Telephone Number: (785) 289-0042

2. The source of water is:  surface water in \_\_\_\_\_ (stream)  
OR  groundwater in NEOSHO RIVER (drainage basin)

Certain streams in Kansas have minimum target flows established by law or may be subject to administration when water is released from storage for use by water assurance district members. If your application is subject to these regulations on the date we receive your application, you will be sent the appropriate form to complete and return to the Division of Water Resources.

3. The maximum quantity of water desired is 61.38 acre-feet OR 20 million gallons per calendar year, to be diverted at a maximum rate of 80 gallons per minute OR \_\_\_\_\_ cubic feet per second.

Once your application has been assigned a priority, the requested maximum rate of diversion and maximum requested quantity of water under that priority number can **NOT** be increased. Please be certain your requested maximum rate of diversion and maximum quantity of water are appropriate and reasonable for your proposed project and are in agreement with the Division of Water Resources' requirements.

4. The water is intended to be appropriated for (Check use intended):  
(a)  Artificial Recharge (b)  Irrigation (c)  Recreational (d)  Water Power  
(e)  Industrial (f)  Municipal (g)  Stockwatering (h)  Sediment Control  
(i)  Domestic (j)  Dewatering (k)  Hydraulic Dredging (l)  Fire Protection  
(m)  Thermal Exchange (n)  Contamination Remediation

YOU **MUST** COMPLETE AND ATTACH ADDITIONAL DIVISION OF WATER RESOURCES FORM(S) PROVIDING INFORMATION TO SUBSTANTIATE YOUR REQUEST FOR THE AMOUNT OF WATER FOR THE INTENDED USE REFERENCED ABOVE.

|                      |            |  |  |
|----------------------|------------|--|--|
| For Office Use Only: |            | F.O. <u>1</u> GMD <u>0</u> Meets K.A.R. 5-3-1 (YES/NO) Use <u>STK</u> Source <u>G/S</u> County <u>24</u> By <u>DAW</u> Date <u>11/8/18</u> |  |
| Code                 | <u>REG</u> | Fee \$ <u>200</u>  | TR # _____ Receipt Date <u>11/8/18</u> Check # <u>CC</u> |

11/15/2018 LM

5. The location of the proposed wells, pump sites or other works for diversion of water is:

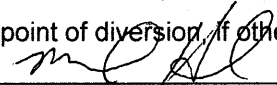
**Note:** For the application to be accepted, the point of diversion location must be described to at least a 10 acre tract, unless you specifically request a 60 day period of time in which to locate the site within a specifically described, minimal legal quarter section of land.

- (A) One in the NE of the SW quarter of the SW quarter of Section 9, more particularly described as being near a point 680 feet North and 4,512 feet West of the Southeast corner of said section, in Township 16 South, Range 11 EAST, LYON County, Kansas. (PDIV: 76164- WELL #1)
- (B) One in the NE of the NW quarter of the NW quarter of Section 16, more particularly described as being near a point 5,129 feet North and 4,242 feet West of the Southeast corner of said section, in Township 16 South, Range 11 EAST, LYON County, Kansas. (PDIV: 76165 – WELL #2)
- (C) One in the NW of the NE quarter of the NW quarter of Section 16, more particularly described as being near a point 5,016 feet North and 3,653 feet West of the Southeast corner of said section, in Township 16 South, Range 11 EAST, LYON County, Kansas. (PDIV: 76166 – WELL #3)
- (D) One in the NE of the NE quarter of the NE quarter of Section 17, more particularly described as being near a point 5,157 feet North and 40 feet West of the Southeast corner of said section, in Township 16 South, Range 11 EAST, LYON County, Kansas. (PDIV: 77157 – WELL #4)

If the source of supply is groundwater, a separate application shall be filed for each proposed well or battery of wells, except that a single application may include up to four wells within a circle with a quarter (1/4) mile radius in the same local source of supply which do not exceed a maximum diversion rate of 20 gallons per minute per well.

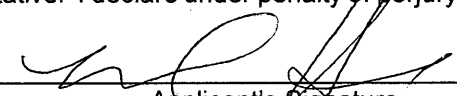
A battery of wells is defined as two or more wells connected to a common pump by a manifold; or not more than four wells in the same local source of supply within a 300 foot radius circle which are being operated by pumps not to exceed a total maximum diversion rate of 800 gallons per minute and which supply water to a common distribution system.

6. The owner of the point of diversion, if other than the applicant is (please print):

APPLICANT  Michael Hurler 884 Rd 350 Allen KS  
(name, address and telephone number)

You must provide evidence of legal access to, or control of, the point of diversion from the landowner or the landowner's authorized representative. Provide a copy of a recorded deed, lease, easement or other document with this application. In lieu thereof, you may sign the following sworn statement:

I have legal access to, or control of, the point of diversion described in this application from the landowner or the landowner's authorized representative. I declare under penalty of perjury that the foregoing is true and correct.

Executed on 11-8, 2018.   
Applicant's Signature

7. The proposed project for diversion of water will consist of 4 WELLS IN 1/4 MILE CIRCLE  
(number of wells, pumps or dams, etc.)  
and (was)(will be) completed (by) EXISTING  
(Month/Day/Year - each was or will be completed)

8. The first actual application of water for the proposed beneficial use was or is estimated to be Fall 2018  
(Mo/Day/Year)

9. Will pesticide, fertilizer, or other foreign substance be injected into the water pumped from the diversion works?  
 Yes  No If "yes", a check valve shall be required.

All chemigation safety requirements must be met including a chemigation permit and reporting requirements.

10. If you are planning to impound water, please contact the Division of Water Resources for assistance, prior to submitting the application. Please attach a reservoir area capacity table and inform us of the total acres of surface drainage area above the reservoir.

Have you also made an application for a permit for construction of this dam and reservoir with the Division of Water Resources?  Yes  No

- If yes, show the Water Structures permit number here \_\_\_\_\_
- If no, explain here why a Water Structures permit is not required \_\_\_\_\_  
Not building impoundment.

11. The application must be supplemented by a U.S.G.S. topographic map, aerial photograph or a detailed plat showing the following information. On the topographic map, aerial photograph, or plat, identify the center of the section, the section lines or the section corners and show the appropriate section, township and range numbers. Also, please show the following information:

- (a) The location of the proposed point(s) of diversion (wells, stream-bank installations, dams, or other diversion works) should be plotted as described in Paragraph No. 5 of the application, showing the North-South distance and the East-West distance from a section line or southeast corner of section.
- (b) If the application is for groundwater, please show the location of any existing water wells of any kind within 1/2 mile of the proposed well or wells. Identify each existing well as to its use and furnish the name and mailing address of the property owner or owners. If there are no wells within 1/2 mile, please advise us.
- (c) If the application is for surface water, the names and addresses of the landowner(s) 1/2 mile downstream and 1/2 mile upstream from your property lines must be shown.
- (d) The location of the proposed place of use should be shown by crosshatching on the topographic map, aerial photograph or plat.
- (e) Show the location of the pipelines, canals, reservoirs or other facilities for conveying water from the point of diversion to the place of use.

A 7.5 minute U.S.G.S. topographic map may be obtained by providing the section, township and range numbers to: Kansas Geological Survey, 1930 Constant, Campus West, University of Kansas, Lawrence, Kansas 66047.

12. List any application, appropriation of water, water right, or vested right file number that covers the same diversion points or any of the same place of use described in this application. Also list any other recent modifications made to existing permits or water rights in conjunction with the filing of this application.

Water Right File No. 47,208 overlaps in Place of Use and Point of Diversion. File Nos. 44,071 and 49,697 overlap in Place of Use. This application is for 4 wells in a 1/4 mile circle. Limited to 80 gpm with File No. 47,208 and 20 gpm per well.

WATER RESOURCES  
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SCANNED

13. Furnish the following well information if the proposed appropriation is for the use of groundwater. If the well has not been completed, give information obtained from test holes, if available.

Information below is from:  Test holes  Well as completed  Drillers log attached

| Well location as shown in paragraph No. | (A)        | (B)   | (C)   | (D)   |
|---|------------|-------|-------|-------|
| Date Drilled (Well #4)                  | 10/13/2009 | _____ | _____ | _____ |
| Total depth of well                     | 100 feet   | _____ | _____ | _____ |
| Depth to water bearing formation        | _____ feet | _____ | _____ | _____ |
| Depth to static water level             | 35 feet    | _____ | _____ | _____ |
| Depth to bottom of pump intake pipe     | _____      | _____ | _____ | _____ |

14. The relationship of the applicant to the proposed place where the water will be used is that of

Owner  
(owner, tenant, agent or otherwise)


15. The owner(s) of the property where the water is used, if other than the applicant, is (please print):

\_\_\_\_\_  
(name, address and telephone number)

\_\_\_\_\_  
(name, address and telephone number)

x 16. The undersigned states that the information set forth above is true to the best of his/her knowledge and that this application is submitted in good faith.

Dated at \_\_\_\_\_, Kansas, this \_\_\_\_\_ day of \_\_\_\_\_, 2018  
(month) (year)

  
\_\_\_\_\_  
(Applicant Signature)

512 88 9920  
\_\_\_\_\_  
APPLICANT(S) SOCIAL SECURITY IDENTIFICATION NUMBER(S)

By \_\_\_\_\_  
(Agent or Officer Signature)

and/or  
APPLICANT(S) TAXPAYER I.D. NO.(S)

\_\_\_\_\_  
(Agent or Officer - Please Print)

**STOCKWATER USE  
SUPPLEMENTAL SHEET**

File No. 50,157

Name of Applicant (Please Print): 2 I FEEDERS LLC

1. Please indicate type of livestock (cattle, hogs, etc.): Cattle

2. Please complete the following table showing past and present water requirements:

**PAST NUMBER OF HEAD AND WATER DIVERTED, IF APPLICABLE**

| LAST 5 YEARS | NUMBER OF HEAD | WATER DIVERTED (GALLONS) | GALLONS PER HEAD PER DAY |
|--------------|----------------|--------------------------|--------------------------|
| 5 years ago  |                |                          |                          |
| Last year    |                |                          |                          |
| Present Year |                |                          |                          |

3. Please complete the following table showing estimated future water requirements:

**ESTIMATED FUTURE NUMBER OF HEAD AND WATER DIVERTED**

| NEXT 5 YEARS | NUMBER OF HEAD | WATER TO BE DIVERTED (GALLONS) | GALLONS PER HEAD PER DAY |
|--------------|----------------|--------------------------------|--------------------------|
| Year 1       | 17,600         | 112.42 million gallons         | 15 gphd + other uses     |
| Year 2       | 17,600         | 112.42 million gallons         | 15 gphd + other uses     |
| Year 3       | 17,600         | 112.42 million gallons         | 15 gphd + other uses     |
| Year 4       | 17,600         | 112.42 million gallons         | 15 gphd + other uses     |
| Year 5       | 17,600         | 112.42 million gallons         | 15 gphd + other uses     |

Please attach any additional information, tables, or curves showing past, present and estimated future water requirements to substantiate the amount of water requested.

4. Please designate the legal description of the location where the water is to be used. Show in the space provided below the Section (S), Township (T), and Range (R), and the number of acres in each forty acre tract or fractional portion thereof.

| S  | T  | R   | NE¼                 |    |    |    | NW¼ |    |    |    | SW¼ |    |    |    | SE¼ |    |    |    | TOTAL |
|----|----|-----|---------------------|----|----|----|-----|----|----|----|-----|----|----|----|-----|----|----|----|-------|
|    |    |     | NE                  | NW | SW | SE | NE  | NW | SW | SE | NE  | NW | SW | SE | NE  | NW | SW | SE |       |
| 8  | 16 | 11E | Feedlot (SE)        |    |    |    |     |    |    |    |     |    |    |    |     |    |    |    |       |
| 9  | 16 | 11E | Feedlot (SW)        |    |    |    |     |    |    |    |     |    |    |    |     |    |    |    |       |
| 16 | 16 | 11E | Feedlot (N1/2 N1/2) |    |    |    |     |    |    |    |     |    |    |    |     |    |    |    |       |
| 17 | 16 | 11E | Feedlot (N1/2 NE)   |    |    |    |     |    |    |    |     |    |    |    |     |    |    |    |       |

5. Show quantities of water used and all associated water uses at the feedlot such as water used in feed mills, cooling of animals, washing, flushing of wastes, etc.:

**DRINKING**

17600 head of CATTLE x 15 gallons/head (avg.) x 365 days = 96.4 MILLION gallons

\_\_\_\_\_ head of \_\_\_\_\_ x \_\_\_\_\_ gallons/head (avg.) x \_\_\_\_\_ days = \_\_\_\_\_ gallons

\_\_\_\_\_ head of \_\_\_\_\_ x \_\_\_\_\_ gallons/head (avg.) x \_\_\_\_\_ days = \_\_\_\_\_ gallons

**COOLING**

80 \_\_\_\_\_ gpm x 60 min/hr x 10 hours/day x 240 days = 11.52 Million \_\_\_\_\_ gallons

**SANITATION**

80 \_\_\_\_\_ g.p.m. x 60 min/hr x 14 hr/wk x 52 wks/yr = 3.5 Million \_\_\_\_\_ gallons

**OTHER USE** (Explain) Keep waterers from freezing, etc. = 1 Million \_\_\_\_\_ gallons

**TOTAL** ----- **112.42 Million** \_\_\_\_\_ gallons

6. Show location of present and future location of confinement pens on your attached maps or photographs.

7. Total feed bunk space for cattle or livestock is \_\_\_\_\_ linear feet.

8. Total size of stock pens for confinement area of cattle, hogs, etc. is \_\_\_\_\_ square feet.

You may attach any additional information you believe will assist in informing the Division of Water Resources of the need for your request.



# 50,157  
meets safe yield

## Analysis Results

The selected PD is in an area OPEN to new appropriations.

The safe yield based on the variables listed below is 2,613.81 AF.

Total prior appropriations in the circle is 66.89 AF.  $-61.38 + 5.81 \text{ AF} = 11.32 \text{ AF}$

Total quantity of water available for appropriation is ~~2,546.91~~ AF.

2602.49 AF

## Safe Yield Variables

The area used for the analysis is set at 8,042 acres.

The potential annual recharge at the circle center is estimated to be 5.2 inches.

The percent of recharge available for appropriation is 75%.

Authorized Quantity values are as of 16-JAN-2019 and are based on Appropriated and Vested ground water right and possible stream nodes for GMD #2. Domestic, Term and Temporary water rights have been excluded.

There are 2 water rights and 4 points of diversion within the circle.

| File Number | Use | ST | SR | Q4 | Q3 | Q2 | Q1 | FeetN | FeetW | Sec | Twp | Rng | ID | Qind | Auth Quant       | Add Quant        | Tot Acres | Net Acres |
|-------------|-----|----|----|----|----|----|----|-------|-------|-----|-----|-----|----|------|------------------|------------------|-----------|-----------|
| A 47208 00  | STK | NK | G  |    | NE | SW | SW | 680   | 4512  | 09  | 16  | 11E | 2  | WR   | 11.33            | 5.52 + 5.81      |           |           |
| Same        | STK | NK | G  |    | NE | NW | NW | 5129  | 4242  | 16  | 16  | 11E | 1  | WR   |                  |                  |           |           |
| Same        | STK | NK | G  |    | NW | NE | NW | 5016  | 3653  | 16  | 16  | 11E | 2  | WR   |                  |                  |           |           |
| Same        | STK | NK | G  |    | NE | NE | NE | 5157  | 40    | 17  | 16  | 11E | 1  | WR   |                  |                  |           |           |
| A 50157 00  | STK | AY | G  |    | NE | SW | SW | 680   | 4512  | 09  | 16  | 11E | 2  | WR   | <del>61.38</del> | <del>61.38</del> |           |           |
| Same        | STK | AY | G  |    | NE | NW | NW | 5129  | 4242  | 16  | 16  | 11E | 1  | WR   |                  |                  |           |           |
| Same        | STK | AY | G  |    | NW | NE | NW | 5016  | 3653  | 16  | 16  | 11E | 2  | WR   |                  |                  |           |           |
| Same        | STK | AY | G  |    | NE | NE | NE | 5157  | 40    | 17  | 16  | 11E | 1  | WR   |                  |                  |           |           |

## Limitations

| File Number | Seq Num | Limitations                  |
|-------------|---------|------------------------------|
| A 47208 00  | 1       | EACH WELL LIMITED TO 20 GPM  |
| Same        | 2       | 13.295 MGY COM/W #44071 (SW) |



AMOUNT STATISTICS REPORT FOR POINTS OF DIVERSION UNDER A 50157 00

#####

AMOUNT STATISTICS REPORT FOR POINTS OF DIVERSION UNDER A 50157 00 STK

Water Right and Points of Diversion Within 2.00 miles of point defined as:

680 Feet North and 4512 Feet West of the Southeast Corner of Section 9 T 16S R 11E

GROUNDWATER ONLY

| File Number  | Use | ST | SR | Dist (ft) | Q4 | Q3 | Q2 | Q1 | FeetN | FeetW | Sec | Twp | Rng | ID | Batt | Auth_Quan | Add_Quan | Unit |
|--------------|-----|----|----|-----------|----|----|----|----|-------|-------|-----|-----|-----|----|------|-----------|----------|------|
| A__ 47208 00 | STK | NK | G* | 0         | -- | NE | SW | SW | 680   | 4512  | 9   | 16  | 11E | 2  |      | 11.33     | 5.52     | AF   |
| Same         |     |    |    | 929       | -- | NE | NW | NW | 5129  | 4242  | 16  | 16  | 11E | 1  |      |           |          |      |
| Same         |     |    |    | 1317      | -- | NW | NE | NW | 5016  | 3653  | 16  | 16  | 11E | 2  |      |           |          |      |
| Same         |     |    |    | 1151      | -- | NE | NE | NE | 5157  | 40    | 17  | 16  | 11E | 1  |      |           |          |      |
| A__ 50157 00 | STK | AY | G  | 0         | -- | NE | SW | SW | 680   | 4512  | 9   | 16  | 11E | 2  |      | 61.38     | 61.38    | AF   |
| Same         |     |    |    | 929       | -- | NE | NW | NW | 5129  | 4242  | 16  | 16  | 11E | 1  |      |           |          |      |
| Same         |     |    |    | 1317      | -- | NW | NE | NW | 5016  | 3653  | 16  | 16  | 11E | 2  |      |           |          |      |
| Same         |     |    |    | 1151      | -- | NE | NE | NE | 5157  | 40    | 17  | 16  | 11E | 1  |      |           |          |      |

| Total Net Quantities Authorized: | Direct | Storage |
|----------------------------------|--------|---------|
| Total Requested Amount (AF) =    | 61.38  | .00     |
| Total Permitted Amount (AF) =    | .00    | .00     |
| Total Inspected Amount (AF) =    | .00    | .00     |
| Total Pro_Cert Amount (AF) =     | .00    | .00     |
| Total Certified Amount (AF) =    | 5.52   | .00     |
| Total Vested Amount (AF) =       | .00    | .00     |
| TOTAL AMOUNT (AF) =              | 66.89  | .00     |

An \* after the source of supply indicates a pending application for change under the file number.  
 An \* after the ID indicates a 15 AF exemption was granted under the file number.  
 A "G" in the Batt column indicates the GEO CTR of a battery. A "B" indicates a well in the battery.  
 The number in the Batt column is the number of wells in the battery.

Water Rights and Points of Diversion Within 2.00 miles of point defined as:

680 Feet North and 4512 Feet West of the Southeast Corner of Section 9 T 16S R 11E

GROUNDWATER ONLY

WATER USE CORRESPONDENTS:

| File Number  | Use             | ST | SR |
|--------------|-----------------|----|----|
| A__ 47208 00 | STK             | NK | G  |
| >            | 2 I FEEDERS LLC |    |    |
| >            |                 |    |    |
| >            | 884 RD 350      |    |    |
| >            | ALLEN KS 66833  |    |    |
| >            | -----           |    |    |
| A__ 50157 00 | STK             | AY | G  |
| >            | 2 I FEEDERS LLC |    |    |
| >            |                 |    |    |
| >            | 884 RD 350      |    |    |
| >            | ALLEN KS 66833  |    |    |
| >            | -----           |    |    |

#####

AMOUNT STATISTICS REPORT FOR POINTS OF DIVERSION UNDER A 50157 00 STK

Water Right and Points of Diversion Within 2.00 miles of point defined as:

5129 Feet North and 4242 Feet West of the Southeast Corner of Section 16 T 16S R 11E

GROUNDWATER ONLY

```

=====
File Number   Use ST SR Dist (ft) Q4 Q3 Q2 Q1 FeetN FeetW Sec Twp Rng ID Batt Auth_Quan Add_Quan Unit
A__ 47208 00 STK NK G*      929 -- NE SW SW 680 4512 9 16 11E 2          11.33    5.52 AF
Same          0 -- NE NW NW 5129 4242 16 16 11E 1
Same          600 -- NW NE NW 5016 3653 16 16 11E 2
Same          1073 -- NE NE NE 5157    40 17 16 11E 1
A__ 50157 00 STK AY G      929 -- NE SW SW 680 4512 9 16 11E 2          61.38    61.38 AF
Same          0 -- NE NW NW 5129 4242 16 16 11E 1
Same          600 -- NW NE NW 5016 3653 16 16 11E 2
Same          1073 -- NE NE NE 5157    40 17 16 11E 1
=====
    
```

```

=====
Total Net Quantities Authorized:   Direct           Storage
Total Requested Amount (AF) =      61.38             .00
Total Permitted Amount (AF) =         .00             .00
Total Inspected Amount (AF) =         .00             .00
Total Pro_Cert Amount (AF) =          .00             .00
Total Certified Amount (AF) =         5.52             .00
Total Vested Amount (AF) =            .00             .00
TOTAL AMOUNT (AF) =                 66.89             .00
=====
    
```

An \* after the source of supply indicates a pending application for change under the file number.  
 An \* after the ID indicates a 15 AF exemption was granted under the file number.  
 A "G" in the Batt column indicates the GEO CTR of a battery. A "B" indicates a well in the battery.  
 The number in the Batt column is the number of wells in the battery.

Water Rights and Points of Diversion Within 2.00 miles of point defined as:

5129 Feet North and 4242 Feet West of the Southeast Corner of Section 16 T 16S R 11E

GROUNDWATER ONLY

WATER USE CORRESPONDENTS:

```

=====
File Number   Use ST SR
A__ 47208 00 STK NK G
> 2 I FEEDERS LLC
>
> 884 RD 350
> ALLEN KS 66833
>-----
A__ 50157 00 STK AY G
> 2 I FEEDERS LLC
>
> 884 RD 350
> ALLEN KS 66833
>-----
=====
    
```

#####

AMOUNT STATISTICS REPORT FOR POINTS OF DIVERSION UNDER A 50157 00 STK

Water Right and Points of Diversion Within 2.00 miles of point defined as:

5016 Feet North and 3653 Feet West of the Southeast Corner of Section 16 T 16S R 11E

GROUNDWATER ONLY

**WATER WELL RECORD**

**Form WWC-5**

Division of Water Resources App. No.  

|  |                                 |  |                        |   |
|--|---------------------------------|--|------------------------|---|
| <b>1 LOCATION OF WATER WELL:</b><br>County: Lyon   | Fraction<br>NE ¼ NE ¼ NE ¼ NE ¼ | Section Number<br>17   | Township No.<br>T 16 S | Range Number<br>R 11 <input checked="" type="checkbox"/> E <input type="checkbox"/> W |
| Street/Rural Address of Well Location; if unknown, distance & direction from nearest town or intersection: If at owner's address, check here <input type="checkbox"/><br>From the intersection of Road H2/Road 350 and 50 ft south |                                 | <b>Global Positioning System (GPS) information:</b><br>Latitude: ..... (in decimal degrees)<br>Longitude: ..... (in decimal degrees)<br>Elevation: .....<br>Datum: <input type="checkbox"/> WGS 84, <input type="checkbox"/> NAD 83, <input type="checkbox"/> NAD 27<br>Collection Method:<br><input type="checkbox"/> GPS unit (Make/Model: .....)<br><input type="checkbox"/> Digital Map/Photo, <input type="checkbox"/> Topographic Map, <input type="checkbox"/> Land Survey<br>Est. Accuracy: <input type="checkbox"/> <3 m, <input type="checkbox"/> 3-5 m, <input type="checkbox"/> 5-15 m, <input type="checkbox"/> >15 m |                        |   |
| <b>2 WATER WELL OWNER:</b> 2-1 Feeders<br>RR#, Street Address, Box #: Box 98<br>City, State, ZIP Code : Allen, KS 66833  |                                 |  |                        |   |

|  |    |    |    |   |  |    |    |  |  |    |    |  |  |    |    |  |  |   |  |  |  |
|--|----|----|----|---|--|----|----|--|--|----|----|--|--|----|----|--|--|---|--|--|--|
| <p><b>3 LOCATE WELL WITH AN "X" IN SECTION BOX:</b><br/>N</p> <div style="text-align: center;"> <table border="1" style="border-collapse: collapse; width: 80px; height: 80px; margin: auto;"> <tr> <td style="width: 20px; text-align: center;">W</td> <td style="width: 20px; text-align: center;">NW</td> <td style="width: 20px; text-align: center;">NE</td> <td style="width: 20px; text-align: center;">E</td> </tr> <tr> <td></td> <td style="text-align: center;">--</td> <td style="text-align: center;">--</td> <td></td> </tr> <tr> <td></td> <td style="text-align: center;">SW</td> <td style="text-align: center;">SE</td> <td></td> </tr> <tr> <td></td> <td style="text-align: center;">--</td> <td style="text-align: center;">--</td> <td></td> </tr> <tr> <td></td> <td style="text-align: center;">S</td> <td></td> <td></td> </tr> </table> <p style="text-align: center;"> -----1 mile----- </p> </div> | W  | NW | NE | E |  | -- | -- |  |  | SW | SE |  |  | -- | -- |  |  | S |  |  | <p><b>4 DEPTH OF COMPLETED WELL</b> 100 ..... ft.<br/>Depth(s) Groundwater Encountered (1)..... ft. (2)..... ft. (3)..... ft.<br/>WELL'S STATIC WATER LEVEL 35 .....ft. below land surface measured on mo/day/yr. 10/13/09<br/>Pump test data: Well water was .....ft. after ..... hours pumping ..... gpm<br/>EST. YIELD .....gpm. Well water was .....ft. after ..... hours pumping ..... gpm<br/>Bore Hole Diameter 10.5/8 .....in. to 100 .....ft., and .....in. to .....ft.<br/>WELL WATER TO BE USED AS: <input type="checkbox"/> Public water supply <input type="checkbox"/> Geothermal <input type="checkbox"/> Injection well<br/><input type="checkbox"/> Domestic <input checked="" type="checkbox"/> Feedlot <input type="checkbox"/> Oil field water supply <input type="checkbox"/> Dewatering <input type="checkbox"/> Other (Specify below)<br/><input type="checkbox"/> Irrigation <input type="checkbox"/> Industrial <input type="checkbox"/> Domestic-lawn &amp; garden <input type="checkbox"/> Monitoring well .....<br/>Was a chemical/bacteriological sample submitted to Department? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No<br/>If yes, mo/day/yr sample was submitted.....<br/>Water well disinfected? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</p> |
| W  | NW | NE | E  |   |  |    |    |  |  |    |    |  |  |    |    |  |  |   |  |  |  |
|  | -- | -- |    |   |  |    |    |  |  |    |    |  |  |    |    |  |  |   |  |  |  |
|  | SW | SE |    |   |  |    |    |  |  |    |    |  |  |    |    |  |  |   |  |  |  |
|  | -- | -- |    |   |  |    |    |  |  |    |    |  |  |    |    |  |  |   |  |  |  |
|  | S  |    |    |   |  |    |    |  |  |    |    |  |  |    |    |  |  |   |  |  |  |

**5 TYPE OF CASING USED:**  Steel  PVC  Other .....

CASING JOINTS:  Glued  Clamped  Welded  Threaded  
Casing diameter 6 ..... in. to 73 ..... ft., Diameter ..... in. to ..... ft., Diameter ..... in. to ..... ft.  
Casing height above land surface 36 ..... in., Weight ..... lbs./ft., Wall thickness or gauge No. ....

**TYPE OF SCREEN OR PERFORATION MATERIAL:**  
 Steel  Stainless Steel  PVC  Other (Specify) .....  
 Brass  Galvanized Steel  None used (open hole)

**SCREEN OR PERFORATION OPENINGS ARE:**  
 Continuous slot  Mill slot  Gauze wrapped  Torch cut  Drilled holes  None (open hole)  
 Louvered shutter  Key punched  Wire wrapped  Saw cut  Other (specify) .....

**SCREEN-PERFORATED INTERVALS:** From 100 ..... ft. to 70 ..... ft., From ..... ft. to ..... ft.  
From ..... ft. to ..... ft., From ..... ft. to ..... ft.

**GRAVEL PACK INTERVALS:** From 100 ..... ft. to 45 ..... ft., From ..... ft. to ..... ft.  
From ..... ft. to ..... ft., From ..... ft. to ..... ft.

**6 GROUT MATERIAL:**  Neat cement  Cement grout  Bentonite  Other .....

Grout Intervals: From 45 ..... ft. to 4 ..... ft., From ..... ft. to ..... ft., From ..... ft. to ..... ft.

What is the nearest source of possible contamination:  
 Septic tank  Lateral lines  Pit privy  Livestock pens  Insecticide storage  Other (specify below)  
 Sewer lines  Cesspool  Sewage lagoon  Fuel storage  Abandoned water well  
 Watertight sewer lines  Seepage pit  Feedyard  Fertilizer storage  Oil well/gas well .....

Direction from well North ..... Distance from well 200 ft. ....

| FROM  | TO    | LITHOLOGIC LOG                       | FROM | TO   | LITHO. LOG (cont.) or PLUGGING INTERVALS |
|-------|-------|--------------------------------------|------|------|--|
| 0'    | 3.5'  | T.S. Clay, silty brown               | 34'  | 43'  | Shale, hard, green-gray green w/dep      |
| 3.5'  | 6'    | Shale, tan, weathered                | 43'  | 55'  | Shale, gray-brn w/hard brn LS layers     |
| 6'    | 10.5' | LS, white gray hard                  | 55'  | 60'  | Shale, multicolored w/hard LS layer      |
| 10.5' | 14'   | Shale tan                            | 60'  | 80'  | LS tan-gry w/shale layers harder         |
| 14'   | 16'   | Shale, gray-tan (making water)       |      |      | w/depth                                  |
| 16'   | 23'   | Shale, dark gray                     | 80'  | 87'  | Shale drk gray-blk. hard w/LS layers     |
| 23'   | 24'   | Shale, dark gray-blk, sandy cemented | 87'  | 96'  | Shale, gray-black                        |
| 24'   | 28'   | LS, shaley, tan-gry, hard granular   | 96'  | 99'  | LS, hard crystalline white tan           |
| 28'   | 33'   | Shale, gray                          | 99'  | 105' | Shale gray                               |
| 33'   | 34'   | LS, gray, very hard                  |      |      | Shop Well #4                             |

**7 CONTRACTOR'S OR LANDOWNER'S CERTIFICATION:** This water well was  constructed,  reconstructed, or  plugged under my jurisdiction and was completed on (mo/day/year) 10/13/09 ..... and this record is true to the best of my knowledge and belief.  
Kansas Water Well Contractor's License No. 665 ..... This Water Well Record was completed on (mo/day/year) 10/21/09 .....  
under the business name of Pratt Well Service, Inc. .... by (signature) *[Signature]* .....

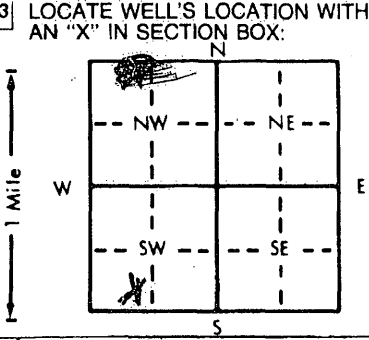
**INSTRUCTIONS:** Use typewriter or ball point pen. PLEASE PRESS FIRMLY and PRINT clearly. Please fill in blanks and check the correct answers. Send three copies (white, blue, pink) to Kansas Department of Health and Environment, Bureau of Water, Geology Section, 1000 SW Jackson St., Suite 420, Topeka, Kansas 66612-1367. Telephone 785-296-5522. Send one copy to WATER WELL OWNER and retain one for your records. Include fee of \$5.00 for each constructed well. Visit us at <http://www.kdheks.gov/waterwell/index.html>.

WATER WELL RECORD Form WW-5 KSA 82a-1212

1 LOCATION OF WATER WELL: Fraction SE 1/4 SW 1/4 SW 1/4 Section Number 9 Township Number T 18 S Range Number R 11 E  
 County: LYON

Distance and direction from nearest town or city street address of well if located within city? From Allam, KS 6 1/2 Miles North & 1.5 Miles West

2 WATER WELL OWNER: Richard K. Davidson  
 RR#, St. Address, Box #: 9752 ASCOT DRIVE  
 City, State, ZIP Code: OMAHA, Neb 68114  
 Board of Agriculture, Division of Water Resources  
 Application Number:



4 DEPTH OF COMPLETED WELL: 80 ft. ELEVATION: .....  
 Depth(s) Groundwater Encountered 1. 53 ft. 2. .... ft. 3. .... ft.  
 WELL'S STATIC WATER LEVEL 20 ft. below land surface measured on mo/day/yr .....  
 Pump test data: Well water was ..... ft. after ..... hours pumping ..... gpm  
 Est. Yield 25 gpm: Well water was ..... ft. after ..... hours pumping ..... gpm  
 Bore Hole Diameter 9 in. to 80 ft., and ..... in. to ..... ft.  
 WELL WATER TO BE USED AS:  
 1 Domestic  2 Irrigation  3 Feedlot  4 Industrial  5 Public water supply  6 Oil field water supply  7 Lawn and garden only  8 Air conditioning  9 Dewatering  10 Monitoring well  11 Injection well  12 Other (Specify below)  
 Was a chemical/bacteriological sample submitted to Department? Yes.....No..... If yes, mo/day/yr sample was submitted  
 Water Well Disinfected:  Yes  No

5 TYPE OF BLANK CASING USED:  
 1 Steel  2 PVC  3 RMP (SR)  4 ABS  5 Wrought iron  6 Asbestos-Cement  7 Fiberglass  8 Concrete tile  9 Other (specify below)  
 Blank casing diameter 5 in. to 60 ft., Dia ..... in. to ..... ft., Dia ..... in. to ..... ft.  
 Casing height above land surface 2 in., weight Sch. 40 lbs./ft. Wall thickness or gauge No. ....  
 TYPE OF SCREEN OR PERFORATION MATERIAL:  
 1 Steel  2 Brass  3 Stainless steel  4 Galvanized steel  5 Fiberglass  6 Concrete tile  7 PVC  8 RMP (SR)  9 ABS  10 Asbestos-cement  11 Other (specify)  12 None used (open hole)  
 SCREEN OR PERFORATION OPENINGS ARE:  
 1 Continuous slot  2 Mill slot 25/1000  3 Gauzed wrapped  4 Wire wrapped  5 Drilled holes  6 Other (specify)  7 None (open hole)  
 SCREEN-PERFORATED INTERVALS: From 60 ft. to 80 ft., From ..... ft. to ..... ft.  
 GRAVEL PACK INTERVALS: From 25 ft. to 80 ft., From ..... ft. to ..... ft.

6 GROUT MATERIAL:  1 Neat cement  2 Cement grout  3 Bentonite  4 Other .....  
 Grout intervals: From 0 ft. to 25 ft., From ..... ft. to Finally ft., From ..... ft. to ..... ft.  
 What is the nearest source of possible contamination:  
 1 Septic tank  2 Sewer lines  3 Watertight sewer lines  4 Lateral lines  5 Cess pool  6 Seepage pit  7 Pit privy  8 Sewage lagoon  9 Feedyard  10 Livestock pens  11 Fuel storage  12 Fertilizer storage  13 Insecticide storage  14 Abandoned water well  15 Oil well/Gas well  16 Other (specify below)  
 Direction from well? None Close How many feet?

| FROM | TO  | LITHOLOGIC LOG    | FROM | TO | PLUGGING INTERVALS |
|------|-----|-------------------|------|----|--------------------|
| 0    | 1.5 | Top Soil          |      |    |                    |
| 1.5  | 3   | Limestone         |      |    |                    |
| 3    | 11  | Yellow Shale      |      |    |                    |
| 11   | 16  | Grey Shale        |      |    |                    |
| 16   | 17  | Limestone         |      |    |                    |
| 17   | 18  | Grey Shale        |      |    |                    |
| 18   | 21  | Limestone         |      |    |                    |
| 21   | 28  | Grey Shale        |      |    |                    |
| 28   | 37  | Greenish Shale    |      |    |                    |
| 37   | 46  | Grey Shale        |      |    |                    |
| 46   | 58  | Brown Shale       |      |    |                    |
| 58   | 64  | Limestone (WATER) |      |    |                    |
| 64   | 80  | Grey Shale        |      |    |                    |

7 CONTRACTOR'S OR LANDOWNER'S CERTIFICATION: This water well was  (1) constructed,  (2) reconstructed, or  (3) plugged under my jurisdiction and was completed on (mo/day/year) 10/9/91 and this record is true to the best of my knowledge and belief. Kant Water Well Contractor's License No. 451 This Water Well Record was completed on (mo/day/yr) 10/4/91 under the business name of Holden Well Drilling by (signature) [Signature]

INSTRUCTIONS: Use typewriter or ball point pen. PLEASE PRESS FIRMLY and PRINT clearly. Please fill in blanks, underline or circle the correct answers. Send top three copies to Kansas Department of Health and Environment, Bureau of Water, Topeka, Kansas 66620-0001. Telephone: 913-296-5545. Send one to WATER WELL OWNER and retain one for your records.







STATE OF KANSAS

DEPARTMENT OF AGRICULTURE  
1320 RESEARCH PARK DRIVE  
MANHATTAN, KS 66502  
PHONE: (785) 564-6700  
FAX: (785) 564-6777



900 SW JACKSON, ROOM 456  
TOPEKA, KS 66612  
PHONE: (785) 296-3556  
www.agriculture.ks.gov

GOVERNOR JEFF COLYER, M.D.  
JACKIE McCLASKEY, SECRETARY OF AGRICULTURE

November 15, 2018

2i FEEDERS, LLC  
884 RD 350  
ALLEN, KS 66833

RE: Application, File No. **50157**

Dear Sir or Madam:

The Division of Water Resources (Division) has received your application for a permit to appropriate water for beneficial use. Your application has been assigned the file number referenced above. Please be aware that the Division may have a large number of pending applications on hand at times and makes every attempt to process them in the order in which they are received. You will be contacted if additional information is required.

Please note, this letter only acknowledges receipt of your application and does not guarantee approval. In accordance with the provisions of the Kansas Water Appropriation Act, the use of water as proposed prior to approval of the application is unlawful.

Additional information about the process may be found on our website at [agriculture.ks.gov/divisions-programs/dwr](http://agriculture.ks.gov/divisions-programs/dwr). If you have any other questions, please contact our office at 785-564-6640 or your local Topeka Field Office at 785-296-5733. If you call, please reference the file number so we can help you more efficiently.

Sincerely,

A handwritten signature in cursive script that reads "Kristen A. Baum".

Kristen A. Baum  
New Application Unit Supervisor  
Division of Water Resources

SCANNED

1:18,000

2 I FEEDERS - FILE NOS. 44,071; 47,208; & 49,697  
AUTHORIZED PLACE OF USE SITE MAP

50157



Authorized Place of Use

WATER RESOURCES  
RECEIVED

NOV 08 2018

KS DEPT OF AGRICULTURE

*[Handwritten signature]*  
CEO Zi feeders

SCANNED



1:18,000

2 I FEEDERS - FILE NOS. 44,071; 47,208; & 49,697  
PROPOSED PLACE OF USE SITE MAP

50157



Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community



Proposed Place of Use

All Known Landowners and Well Owners within 1/2 mile have been identified.

WATER RESOURCES RECEIVED

NOV 08 2018

*Michael*  
CEO 2i feeders

KS DEPT OF AGRICULTURE

SCANNED



1:18,000

2 I FEEDERS - FILE NOS. 50,157 & 50,158  
PROPOSED PLACE OF USE SITE MAP



Southeast Corner of Section 17  
Township 16 South  
Range 11 East

Southeast Corner of Section 16  
Township 16 South  
Range 11 East

Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community



Proposed Place of Use

All Known Landowners and Well Owners within  
1/2 mile have been identified.