WELL ID

KOLAR DOC ID

(785) 296-3565 | K.S.A. 82a-1212 | v2022c

## **WATER WELL RECORD** (WWC-5)

| Lantande   Longitude   Datum   Dievation   Section   Township   Range   P   Fraction   % % % % % NET WEEK   District   Source   District   Di   | OCATION OF WATER WE          | LL           |        |          |              |                   | Original Reco      | ord Co        | rrection     | Chang          | e in Wel    | ll Use   |
|--|------------------------------|--------------|--------|----------|--------------|-------------------|--------------------|---------------|--------------|----------------|-------------|----------|
| Marke Well Lowers   Mell Water US   Means   Source   So   |                              |              |        |          | Section      | Township          | Range              | E             | Fraction     | 1/4            | 1/4         | 1/4      |
| Name   Same   Sa |                              |              |        |          |              | 1                 | 8                  | VV            |              |                |             |          |
| Source   Depth of completed well:  |                              |              |        |          | ,            | =                 |                    | NEADECT       | SOURCE OF    | DOTENTIAL C    | ONITAMIN    | LATION   |
| Distance   Direction   Depth of completed well:   Depth of completed well   |                              |              |        | WELL     | WATER US     | =                 |                    |               |              |                |             | IATION   |
| Address    Commercial  |                              |              |        |          |              |                   |                    |               |              |                |             |          |
| Depth(s) groundwater encountered:  (1)   | Business                     |              |        | COMP     | LETION       |                   |                    | from well     | :            | from wel       |             |          |
| Depth(s) groundwater encountereds   10   | Address                      |              |        | Depth    | of comple    | ted well:         | ft.                | Source        |              |                |             |          |
| Salick water level in well:  | Address                      |              |        | Depth    | n(s) ground  | water encountered |                    |               | on:          |                |             |          |
| Satic water level in well:   |                              |              |        | (1)      | ft.;         | (2) ft.;          |                    | Source:       |              |                |             |          |
| Source description:    Static water level in well:   | Well location                |              |        | (3)      | ft.;         | (4) dry well      |                    |               |              |                | n           |          |
| measured below land surface on (mm/dd/yy):  measured above land surface on (mm/dd/yy):  Estimated yield: gpm  Water level was: fl. after hours pumping gpm  Pump installed! Yes No  Variance not required for monitoring or environmental remediation wells  Casing type:  Blank casing interval: fl. to fl.  Casing joints:  Weight: lbs/fl.  Wall thickness or gauge no:  Blank casing interval: fl. to fl.  Grout interval: fl. to fl.  Grout interval: fl. to fl.  Grout interval: fl. to fl.  Soreen / perforation material:  Soreen / perforation material:  Crout interval: fl. to fl.  Soreen / perforation material:  Crout interval: fl. to fl.  Soreen / perforation material:  Crout interval: fl. to fl.  Grout interval: fl. to fl.  Soreen / perforation material:  Crout interval: fl. to fl.  Soreen / perforation material:  Crout interval: fl. to fl.  Grout interval: fl. to fl.  Soreen / perforation material:  Crout interval: fl. to fl.  Soreen / perforation material:  Crout interval: fl. to fl.  Sore y perforation in |                              |              |        | Static   | water level  | in well:          | t.                 |               | l:           | from wel       | l:          |          |
| messured above land surface on (mm/dd/yy):   Dorbole interval:   fit to   fit.   fit   |                              |              |        | me       | easured bel  | ow land surface   |                    |               | on:          |                |             |          |
| Borehole interval:   Borehole diameter:   fromtoft   | CONSTRUCTION                 |              |        |          |              |                   |                    |               |              | ce of contami  | nation      |          |
| Fromft oft  in  ininininin   | Borehole interval:           | Borehole dia | meter: |          |              |                   |                    |               |              |                |             |          |
| from to ft. in.  Casing height above land surface: in.  If casing height is less than 12 in.  Variance not required for monitoring or environmental remediation wells  Casing type:  Blank casing diameter: in.  Casing joints:  Weight:   Ibs/ft.  Wall thickness or gauge no:  Blank casing interval:   ft. to   ft.  Blank casing diameter:   in.  Casing joints:   Weight:   Ibs/ft.  Wall thickness or gauge no:  Grout interval:   ft. to   ft.  Grout material:  Crout interval:   ft. to   ft.  Soreen / perforation material:  Crout interval:   ft. to   ft.  Slot size   unit    From   ft. to   ft.  Slot size   unit    Gravel pack not used:   Gravel size   in    From   ft. to   ft.  Gravel pack not used:   Gravel size   in    From   ft. to   ft.  Gravel pack not used:   Gravel size   in    From   ft. to   ft.  Sean one copy to WATRAPPIRIEN   Down Repair   Down Repair   State   State Name:    Water well distinfected? Yes No    County Permit: Ves No Permit ID:    Lease Name & Well #: #of boveholes: # of dewatering wells.    Water well distinfected? Yes No    County Permit: Ves No Permit ID:    Lease Name & Well #: #of boveholes: # of dewatering wells.    ## of boveholes: # of |                              |              |        |          |              |                   |                    | PERMIT &      | ID NUMBER    | RS (AS REQUI   | RED)        |          |
| Casing height above land surface:  |                              |              |        |          |              |                   | houre              | DWR An        | plication No | :              |             |          |
| If casing height is less than 12 in. has a variance been approved? Yes No 'variance not required for monitoring or environmental remediation wells  Casing type:  Blank casing interval:  fi. toft.  Blank casing interval:  min.  Casing joints:  Weight:lbs/ft.  Wall thickness or gauge no:  Blank casing interval:ft. toft.  Grout interval:ft. toft.  Grout material:  Grout material:  Grout material:  Screen / perforation openings:  Screen / perforation intervals:  Fromft. toft.  Sol stize unit  Fromft. toft.  Sol stize unit  Fromft. toft.  Sol stize unit  Fromft. toft.  Gravel pack not used:Gravel size in   |                              |              |        | vvalel   |              |                   |                    |               |              |                |             |          |
| Mas a variance been approved!* Yes No *variance not required for monitoring or environmental remediation wells Casing type: Blank casing diameter: in. Casing joints: Weight:   lbs/ft. Wall thickness or gauge no: Blank casing idameter: in. Casing joints:   weight:   lbs/ft. Wall thickness or gauge no: Grout interval:   ft. to   ft. Grout material: Grout material:  Screen / perforation openings: Screen / perforation intervals: From   ft. to   ft. Slot size   unit   From   ft. to   ft. Slot size   unit   Gravel size   in   From   ft. to   ft. Gravel pack not used:   Gravel size   in   From   f |                              |              | in.    | Pumn     |              |                   | \$P <sup>111</sup> |               |              |                |             |          |
| Variance not required for monitoring or environmental remediation wells  Casing type:  Blank casing interval:  |                              | s No         | - ump  | motunea. | 103 110      |                   |                    |               |              |                | No          |          |
| or environmental remediation wells Casing type: Blank casing interval: fi. to fi. Blank casing idiameter: in. Casing joints: Weight: lbs/fi. Wall thickness or gauge no: Blank casing idiameter: in. Casing joints: Weight: lbs/fi. Wall thickness or gauge no: Blank casing idiameter: in. Casing joints: Weight: lbs/fi. Wall thickness or gauge no: Crout interval: fi. to fi. Grout material: Grout material: Grout material:  Screen / perforation material: Screen / perforation intervals: From fi. to fi. Slot size unit From fi. to fi. Slot size unit Gravel pack not used: Gravel size in From fi. to fi. Gravel pack not used: Gravel size in Form fi. to fi. Gravel pack not used: Gravel size in From fi. to fi. Gravel pack not us |                              |              |        | Water    | well disinf  | ected? Yes N      | o                  | County P      | ermit: Yes   | No Permi       | it ID:      |          |
| Casing type: Blank casing interval: ft. to ft. Blank casing diameter: in.  Casing joints:  Weight: lbs/ft. Weight interval: ft. to ft. Blank casing diameter: in.  Casing joints:  Weight: lbs/ft. Wall thickness or gauge no:  Blank casing diameter: in.  Casing joints:  Weight: lbs/ft. Wall thickness or gauge no:  Crout interval: ft. to ft. Grout material:  Grout interval: ft. to ft. Grout material:  Screen / perforation openings:  Screen / perforation intervals:  From ft. to ft. Slot size unit From ft. to ft. Slot size unit Gravel pack not used: Gravel size in From ft. to ft. Gravel pack not used: Gravel size  |                              |              |        | Date o   | disinfected  | (mm/dd/yy):       |                    | 1             |              |                |             |          |
| Blank casing diameter:in.  Casing joints:  |                              |              |        | 4 :0     |              |                   |                    | I             |              |                |             |          |
| Casing joints:   |                              |              | ft.    |          |              |                   |                    |               |              |                |             |          |
| Weight:lbs/ft. Wall thickness or gauge no.: Blank casing interval:ft. toft. Blank casing interval:in. Casing joints: Weight:lbs/ft. Wall thickness or gauge no.: Grout interval:ft. toft. Grout material: Grout material:  Screen / perforation material:  Screen / perforation openings:  Screen / perforation intervals: Fromft. toft. Slot sizeunit Fromft. toft. Slot sizeunit Gravel pack intervals: Gravel pack intervals: Gravel pack not used: Gravel sizein Fromft. toft. Gravel pack not used: Gravel sizein From  |                              |              |        |          |              |                   |                    |               |              |                |             |          |
| Wall thickness or gauge no: Blank casing interval: Blank casing diameter: in. Casing joints: Weight: Wall thickness or gauge no: Weight: Ibs/ft. Wall thickness or gauge no: Grout interval: ft. to ft. Grout material: Grout material:  Screen / perforation material: Screen / perforation openings: Screen / perforation intervals: From ft. to ft. Slot size unit From ft. to ft. Slot size unit Gravel pack not used: Gravel pack intervals: Gravel pack intervals: Gravel pack not used: Gravel pack intervals: Gravel pack not used: Grav |                              |              |        | FROI     | м то         | LITHOLOGY         | NTERVALS           |               |              |                |             |          |
| Blank casing interval: ft. to ft. Blank casing diameter: in.  Casing joints: Weight:lbs/ft. Wall thickness or gauge no.:  Grout interval: ft. toft. Grout material:  | -                            |              |        |          |              |                   |                    |               |              |                |             |          |
| Blank casing diameter:in.  Casing joints:  | 0 0                          |              |        |          |              |                   |                    |               |              |                |             |          |
| Casing joints: Weight:lbs/ft. Wall thickness or gauge no:  Grout interval:ft. toft. Grout material:  Grout material:   |                              |              | ft.    |          |              |                   |                    |               |              |                |             |          |
| Weight:lbs/ft. Wall thickness or gauge no.:  |                              |              |        |          |              |                   |                    |               |              |                |             |          |
| Wall thickness or gauge no:  Grout interval:   | · -                          |              |        |          |              |                   |                    |               |              |                |             |          |
| Grout interval:  |                              |              |        |          |              |                   |                    |               |              |                |             |          |
| Grout interval: ft. to ft. Grout material: COMMENTS  CCOMMENTS  CCOMMENTS  CCOMMENTS  CCOMMENTS  CCOMMENTS  CCOMMENTS  CONTRACTOR'S OR LANDOWNERS CERTIFICATION  This water well was constructed reconstructed pursuant to the stated water well contractor's license and was completed on I certify that this record is true to the best of my knowledge and belief. This water well record was completed on Intervals:  Gravel pack intervals:  Gravel pack not used: Gravel size in From ft. to ft.  Gravel pack not used: Gravel size in From ft. to ft.  Gravel pack not used: Gravel size in From ft. to ft.  Gravel pack not used: Gravel size in From ft. to ft.  Gravel pack not used: Gravel size in From ft. to ft.  Gravel pack not used: Gravel size in From ft. to ft.  Gravel pack not used: Gravel size in From ft. to ft.  Gravel pack not used: Gravel size in From ft. to ft.  Gravel pack not used: Gravel size in From ft. to ft.  Gravel pack not used: Gravel size in From ft. to ft.  Gravel pack not used: Gravel size in From ft. to ft.  Gravel pack not used: Gravel size in From ft. to ft.  Gravel pack not used: Gravel size in From ft. to ft.  Gravel pack not used: Gravel size in From ft. to ft. to ft.  Gravel pack not used: Gravel size in From ft. to ft. to ft. to ft. to ft. to  | Wall thickness or gauge      | e no.:       |        |          |              |                   |                    |               |              |                |             |          |
| Grout interval:ft. toft.  Grout material:  | Grout interval: ft.          | toft.        |        |          |              |                   |                    |               |              |                |             |          |
| Grout material:  Screen / perforation material:  Screen / perforation openings:  Screen / perforation intervals:  Fromft. toft.  Slot sizeunit  Fromft. toft.  Slot sizeunit  Gravel pack intervals:  Gravel pack not used: Gravel sizein  | Grout material:              |              |        |          |              |                   |                    |               |              |                |             |          |
| Screen / perforation material:  Screen / perforation openings:  Screen / perforation openings:  Screen / perforation intervals:  Fromft. toft. Slot sizeunit Fromft. toft. Slot sizeunit Gravel pack intervals:  Gravel pack not used: Gravel sizein Fromft. toft. Gravel pack not used: Gravel sizein Fromft. toft. Gravel pack not used: Gravel sizein KANSAS DEPARTMENT OF HEALTH AND ENVIRONMENT   | Grout interval: ft.          | toft.        |        |          |              |                   |                    |               |              |                |             |          |
| Screen / perforation openings:  Screen / perforation intervals:  Fromft. toft.  Slot sizeunit  Fromft. toft.  Slot sizeunit  Gravel pack not used: Gravel sizein  Fromft. toft.  Gravel pack not used: Gravel sizein  KANSAS DEPARTMENT OF HEALTH AND ENVIRONMENT  | Grout material:              |              |        | COMM     | IENIS        |                   |                    |               |              |                |             |          |
| Screen / perforation openings:  Screen / perforation intervals:  Fromft. toft.  Slot sizeunit  Fromft. toft.  Slot sizeunit  Gravel pack not used: Gravel sizein  Fromft. toft.  Gravel pack not used: Gravel sizein  KANSAS DEPARTMENT OF HEALTH AND ENVIRONMENT  |                              |              |        |          |              |                   |                    |               |              |                |             |          |
| Screen / perforation intervals:  Fromft. toft.  Slot sizeunit  Fromft. toft.  Slot sizeunit  Gravel pack not used: Gravel sizein   | Screen / perforation materia | al:          |        |          |              |                   |                    |               |              |                |             |          |
| Fromft. toft.  Slot sizeunit  Fromft. toft.  Slot sizeunit  Gravel pack intervals:  Gravel pack not used: Gravel sizeinft. toft.  Gravel pack not used: Gravel sizeininft. toft.  Gravel pack not used: Gravel sizeininin  | Screen / perforation opening | ngs:         |        | CONTI    | RACTOR'S     | OR LANDOWNER      | S CERTIFICATION    | N             |              |                |             |          |
| Slot size unit the best of my knowledge and belief. This water well record was completed on the best of my knowledge and belief. This water well record was completed on under the business name of, Kansas Water Well Contractor's License No under the authority of the designated person as defined in K.A.R. 28-30-2(j) and signed and certified by the electronic signature of the designated person at its submittal:  Send one copy to WATER WELL OWNER and retain one for your records. Fee of \$5.00 for each constructed well.  KANSAS DEPARTMENT OF HEALTH AND ENVIRONMENT  | Screen / perforation interva | ıls:         |        | This     | water well   | was constructe    | d reconstr         | ucted         | pursuant to  | the stated w   | ater well   |          |
| Fromft. toft.  Slot sizeunit  Gravel pack intervals:  Gravel pack not used: Gravel sizein Fromft. toft.  Gravel pack not used: Gravel sizein KANSAS DEPARTMENT OF HEALTH AND ENVIRONMENT  Send one copy to WATER WELL OWNER and retain one for your records. Fee of \$5.00 for each constructed well. KANSAS DEPARTMENT OF HEALTH AND ENVIRONMENT  | Fromft. to                   | ft.          |        | contr    | actor's lice | ense and was con  | npleted on         |               | I certify th | at this record | d is true 1 | to       |
| Fromft. toft.  Slot sizeunit  Gravel pack intervals:  Gravel pack not used: Gravel sizein Fromft. toft.  Gravel pack not used: Gravel sizein ft. toft.  Gravel pack not used: Gravel sizein ft. toft.  Gravel pack not used: Gravel sizein   | Slot size unit               | :            |        | the b    | est of my l  | knowledge and b   | elief. This water  | well record   | was comple   | eted on        |             |          |
| Slot size unit Gravel pack intervals:  Gravel pack not used: Gravel size in From ft. to ft.  Gravel pack not used: Gravel size in From ft. to ft.  Send one copy to WATER WELL OWNER and retain one for your records. Fee of \$5.00 for each constructed well.  KANSAS DEPARTMENT OF HEALTH AND ENVIRONMENT   | From ft. to                  | ft.          |        |          | •            |                   |                    |               | •            |                |             |          |
| Gravel pack intervals:  Gravel pack not used:  Gravel size in From ft. to ft.  Gravel pack not used:  Gravel size in Gravel size in From ft. to ft.  Gravel pack not used:  Gravel size in KANSAS DEPARTMENT OF HEALTH AND ENVIRONMENT   | Slot size unit               | i            |        |          |              |                   |                    |               |              |                |             |          |
| Gravel pack not used: Gravel sizein  | Gravel pack intervals:       |              |        |          |              |                   |                    |               |              | •              | _           |          |
| Gravel pack not used: Gravel size in Send one copy to WATER WELL OWNER and retain one for your records. Fee of \$5.00 for each constructed well.  KANSAS DEPARTMENT OF HEALTH AND ENVIRONMENT  | Gravel pack not used:        | Gravel size  | in     | -        |              |                   | -                  | eu and certii | nea by the 6 | eiectronic sig | ;nature o   | ı tne    |
| From ft to ft to ft KANSAS DEPARTMENT OF HEALTH AND ENVIRONMENT  | From ft. to                  | ft.          |        |          |              |                   |                    |               | ·            |                |             |          |
| From the to the second  | Gravel pack not used:        | Gravel size  | in     | Send or  | ne copy to V |                   |                    | •             |              |                | constructe  | ed well. |
|  | From ft. to                  | ft.          |        |          | Bureau       |                   |                    |               |              |                | 2-1367      |          |

| Form       | WWC5.2 - Water Well Record               |  |  |  |
|------------|--|--|--|--|
| Doc ID     | 1849683                                  |  |  |  |
| Well Owner | TRL Land Co LLC                          |  |  |  |
| Contractor | Hydro Resources Mid Continent, Inc. #145 |  |  |  |

## Lithology

| From | То  | Lithology Intervals                                   |
|------|-----|---|
| 0    | 1   | sand,very fine  |
| 1    | 40  | sand,fine,clayey                                      |
| 40   | 139 | sand,fine to medium,gravelly                          |
| 139  | 189 | sand,fine to<br>medium,gravelly,weakly<br>cemented    |
| 189  | 216 | clay,brown,with limerock and few clay                 |
| 216  | 236 | sand,fine to coarse,gravelly                          |
| 236  | 255 | sand,fine,clayey                                      |
| 255  | 268 | sand,fine to coarse                                   |
| 268  | 297 | clay,brown,few limerock                               |
| 297  | 307 | shale,highly weathered,with Limstone                  |
| 307  | 320 | shale,slightly<br>weathered,blueish,with<br>limestone |