| 1 LOCATION OF V  | •  |   |  | orm WWC-5         |  | 1414  |                                    |   |
|--|--|---|--|-------------------|--|---|------------------------------------|---|
| <b></b>  | VATER WELL:  |   | Near Center of                           |                   | tion Number  | Township Numb                                       | li li                              | Range Number                                      |
| County: Gray   |  |   | 4 1/4 SW                                 | 1/4               | 32   | т 26  | S R                                | 30 <b>E/(0)</b>                                   |
|  |  | , -   | address of well if located               | =                 |  |   |                                    |   |
|  |  |   | 11 miles south                           | , and 3           | 1/2 mile   | s east  |                                    |   |
| 2 WATER WELL   |  |   | :s                                       |                   |  |   |                                    |   |
| RR#, St. Address,  |  |   |  |                   |  | •   | -                                  | on of Water Resources                             |
| City, State, ZIP Cod   |  | eland, KS 6                                   |  |                   |  |   |                                    | <u>, 1490, 17,93</u>                              |
| LOCATE WELL'S AN "X" IN SECT   | LOCATION WIT   |   | COMPLETED WELL                           |                   |  |   |                                    |   |
| AN A IN SECT   | N BOX:   |   | dwater Encountered 1                     |                   |  |   |                                    |   |
| ī !  | ı ı  |   | C WATER LEVEL 94.                        |                   |  |   |                                    |   |
| _ \w _   | NE   |   | np test data: Well water                 |                   |  |   |                                    |   |
|  |  | Est. Yield 140                                | 00 gpm: Well water                       | was?              | 2 <u>.0.6</u> ft. af   | ter 2 h   | ours pumping                       | ı1387 gpm   |
| <u> </u>   | F  | Bore Hole Diam                                | neter2.4in. to                           | 513               | ft., a   | and   | in. to .                           |   |
| * W   1  | !!!  | WELL WATER                                    | TO BE USED AS: 5                         | Public water      | r supply   | 8 Air conditioning                                  | 11 Injecti                         |   |
| Ī w _  | SE   | 1 Domestic                                    | c 3 Feedlot 6                            | Oil field wa      | ter supply   | 9 Dewatering  | 12 Other                           | (Specify below)                                   |
| % -  | 7 - 7  | 2 Irrigation                                  |  |                   |  |   |                                    |   |
|  |  | Was a chemical                                | l/bacteriological sample sul             | bmitted to D      | -  |   | -                                  |   |
| <u> </u>   | S  | mitted  |  |                   |  | er Well Disinfected?                                |                                    | No X  |
| 5 TYPE OF BLAN   | K CASING USED  | <b>)</b> :                                    | 5 Wrought iron                           | 8 Concre          | ete tile   | CASING JOINT  | S: Glued                           | Clamped   |
| 1 Steel  | 3 RMP  | (SR)  | 6 Asbestos-Cement                        |                   | (specify below   |   |                                    | X   |
| 2 PVC  | 4 ABS  |   | 7 Fiberglass                             |                   |  |   | Threaded.                          |   |
|  |  |   | 3 ft., Dia                               |                   |  |   |                                    |   |
| Casing height abov   | e land surface   | 12  | in., weight42.                           | 0.5               | lbs./f   | t. Wall thickness or g                              | auge No                            | 24250w  |
| TYPE OF SCREEN   | OR PERFORAT  | ION MATERIAL:                                 |  | 7 PV              | -  | 10 Asbest   | os-cement                          |   |
| 1 Steel  | 3 Stainl   | ess steel                                     | 5 Fiberglass                             | 8 RM              | IP (SR)  | 11 Other (  | specify)                           |   |
| 2 Brass  | 4 Galva  | nized steel                                   | 6 Concrete tile                          | 9 AB              | S  | 12 None ι   | sed (open ho                       | le)   |
| SCREEN OR PERF   | ORATION OPEN   | INGS ARE:                                     | 5 Gauzed                                 | wrapped           |  | 8 Saw cut   | 11 1                               | None (open hole)                                  |
| 1 Continuous   |  | Mill slot                                     | 6 Wire wr                                | apped             |  | 9 Drilled holes                                     |                                    |   |
| 2 Louvered s   |  | Key punched                                   | 7 Torch c                                |                   |  |   |                                    |   |
| SCREEN-PERFOR  | ATED INTERVAL  |   | .135 ft. to                              |                   |  |   |                                    |   |
|  |  |   | 9.–239 ft. to                            |                   |  |   |                                    |   |
| GRAVEL   | PACK INTERVAL  |   | $\dots 1^{1}0\dots\dots$ ft. to $\dots$  | 5.13              | ,  |   |                                    |   |
|  |  | From  | ft. to                                   |                   | ft., Fron  |   |                                    | ft.   |
| 6 GROUT MATER  |  | at cement                                     | _  |                   |  |   |                                    |   |
|  |  |   | ft., From                                | ft.               |  |   |                                    |   |
| What is the nearest  | •  |   |  |                   | 10 Livest  | •   |                                    | oned water well                                   |
| 1 Septic tank  |  |   | 7 Pit privy                              |                   |  | •   | 15 Oil well                        |   |
| 2 Sewer lines  |  | ess pool                                      | 8 Sewage lagoo                           | n                 | 12 Fertiliz  | zer storage   | 16 Other (                         | specify below)                                    |
| _  | ewer lines 6 Se  |   |  |                   |  | •   | 37                                 |   |
|  |  | epage pit                                     | 9 Feedyard                               |                   | 13 Insect  | icide storage                                       | None obs                           | erved   |
| Direction from well'   | <u> </u>   |   | •  |                   | 13 Insect<br>How mar   | icide storage                                       |                                    |   |
| FROM TO  |  | eepage pit                                    | •  | FROM              | 13 Insect  | icide storage                                       | None. obs                          |   |
|  |  |   | •  |                   | 13 Insect<br>How mar   | icide storage                                       |                                    |   |
|  |  |   | •  |                   | 13 Insect<br>How mar   | icide storage                                       |                                    |   |
|  |  |   | •  |                   | 13 Insect<br>How mar   | icide storage                                       |                                    |   |
|  |  | LITHOLOGIC                                    | CLOG                                     |                   | 13 Insect<br>How mar   | icide storage                                       |                                    |   |
|  |  |   | CLOG                                     |                   | 13 Insect<br>How mar   | icide storage                                       |                                    |   |
|  |  | LITHOLOGIC                                    | CLOG                                     |                   | 13 Insect<br>How mar   | icide storage                                       |                                    |   |
|  |  | LITHOLOGIC                                    | CLOG                                     |                   | 13 Insect<br>How mar   | icide storage                                       |                                    |   |
|  |  | LITHOLOGIC                                    | CLOG                                     |                   | 13 Insect<br>How mar   | icide storage                                       |                                    |   |
|  |  | LITHOLOGIC                                    | CLOG                                     |                   | 13 Insect<br>How mar   | icide storage                                       |                                    |   |
|  |  | LITHOLOGIC                                    | CLOG                                     |                   | 13 Insect<br>How mar   | icide storage                                       |                                    |   |
|  |  | LITHOLOGIC                                    | CLOG                                     |                   | 13 Insect<br>How mar   | icide storage                                       |                                    |   |
|  |  | LITHOLOGIC                                    | CLOG                                     |                   | 13 Insect<br>How mar   | icide storage                                       |                                    |   |
|  |  | LITHOLOGIC                                    | CLOG                                     |                   | 13 Insect<br>How mar   | icide storage                                       |                                    |   |
|  |  | LITHOLOGIC                                    | CLOG                                     |                   | 13 Insect<br>How mar   | icide storage                                       |                                    |   |
| FROM TO  | See  | LITHOLOGIC  Attached Lo                       | Dig                                      | FROM              | 13 Insect How mar TO   | icide storage ny feet?  LIT                         | HOLOGIC LC                         | OG .  |
| FROM TO  | See<br>S OR LANDOWN  | LITHOLOGIC  Attached Lo                       | Dig TION: This water well was            | FROM              | 13 Insect How man TO  cted, (2) reco                                       | icide storage ny feet?  LIT  nstructed, or (3) plug | HOLOGIC LC                         | y jurisdiction and was                            |
| FROM TO  | See See  | LITHOLOGIC  Attached Lo                       | Dig<br>DION: This water well was         | FROM              | 13 Insect How mar TO  cted, (2) reco and this recor                        | nstructed, or (3) plug                              | ged under my                       | y jurisdiction and was ge and belief. Kansas      |
| 7 CONTRACTOR completed on (mo/c) Water Well Contract                                     | S OR LANDOWN lay/year) A tor's License No.                               | LITHOLOGIC  Attached Lo                       | C LOG  Dig  TION: This water well was 35 | FROM  (1) constru | 13 Insect How mar TO  cted, (2) reco and this recois completed of          | nstructed, or (3) plug                              | ged under my f my knowled          | y jurisdiction and was ge and belief. Kansas      |
| T CONTRACTOR' completed on (mo/c) Water Well Contract under the business                 | S OR LANDOWN lay/year) A tor's License No. name of Hen                   | NER'S CERTIFICAT pril:11,.198145              | CLOG  Dig  TION: This water well was 35  | FROM  (1) constru | ted, (2) reco  | nstructed, or (3) plug or (mo/day/yr)               | ged under my f my knowled pril 19, | y jurisdiction and was ge and belief. Kansas      |
| 7 CONTRACTOR' completed on (mo/c) Water Well Contract under the business INSTRUCTIONS: U | S OR LANDOWN lay/year)A tor's License No. name of Hen se typewriter or b | NER'S CERTIFICAT pril:11, 198145 kle Drilling | C LOG  Dig  TION: This water well was 35 | FROM  (1) constru | ted, (2) reco and this recoils completed to by (signative). Please fill in | nstructed, or (3) plug or (mo/day/yr)               | ged under my f my knowled pril 19, | y jurisdiction and was ge and belief. Kansas 1985 |

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## DRILLERS TEST LOG

| CUSTO | MERS N | JAME   | Lawre                                 | nce Withers DATE 1-9-84  |
|-------|--------|--------|---------------------------------------|--|
|       | T ADDI |        |                                       | TEST # 1 E. LOG yes  |
|       |        |        |                                       |  |
| CITY  | & STAT | 'E     | Copel                                 | and, Kansas 67830 DRILLER Livingston  R SW SECTION 32 TOWNSHIP 26 RANGE 30 |
| COUNT | Y Gray | Q      | UARTE                                 | R SW SECTION 32 TOWNSHIP 26 RANGE 30                                       |
|       |        | _      |                                       |  |
| LOCAT | .TON   | _18'   | NE of                                 | 'pivot   |
|       |        |        |                                       | Well Location Static Water Level   |
| 8     | F      | 'ootag | e                                     |  |
|       | From   | Pay    | То                                    | DESCRIPTION OF STRATA Proposed Well Depth 513'                             |
|       | 0      |        | 3                                     | Top soil sandy   |
| ļ     | 3_     |        |                                       | Brown clay & sand stks.  |
|       | 10     |        |                                       | Sand fine to med & clay stks.  |
| ļ     | 26     |        |                                       | Brown sandy clay caliche   |
|       | 39     |        | 90                                    | Sand fine to med small to large gravel few cobble                          |
|       |        |        | <u> </u>                              | stones & few clay stks.  |
| -     | 90     |        |                                       | Brown sandy clay caliche   |
| 80    | 96     | 33     |                                       | Sand fine to med. coarse small to large gravel                             |
|       | 129    |        | 136                                   | Brown clay   |
| 70    | 136    | 12     | 148                                   | Sand fine to med. coarse small to med & very few clay st                   |
|       | 148    |        | 153                                   | Brown sandy clay   |
| 60    | 153    | 07     | 160                                   | Sand fine to med coarse small gravel                                       |
|       | 160    |        | 191                                   | Brown sandy clay & few fine sand stks.                                     |
| 60    | 191    | 13     |                                       | Sand fine to med. coarse small gravel                                      |
|       | 204    |        | 211                                   | Brown sandy clay   |
| 15    | 211    | 09     | 220                                   |  |
|       | 220    |        |                                       | Brown clay limerock  |
| 40    | 226    | 05     | 231                                   | Sand fine small few coarse & small gravel limerock &                       |
|       | ļ      |        |                                       | Brown clay .   |
| 50    | 231    | 08     | 239                                   | Sand fine to med coarse small gravel                                       |
|       | 239    |        | 269                                   | Brown clay & fine sand stks.   |
|       | 269    |        | 280                                   | Soapstone  |
| 2.    | 280    |        | 340                                   | Weathered shale  |
|       | 340    |        | 358                                   | Shale - Limestone & few Dakota stks. Very hard in                          |
|       |        |        |                                       | places Iron Pyrite   |
|       | 358    |        | 367                                   | Shale soapstone & limestone ledges   |
| 25    | 367    | 22     | 389                                   | Dakota few ledges  |
|       | 389    |        | 446                                   |  |
| 20    | 446    | 21     | 467                                   | Dakota & soapstone stks.   |
|       | 467    |        | 487                                   | Shale & soapstone & limestone ledges                                       |
| 20    | 487    | 23     | 510                                   | Dakota & few soapstone stks. changed bits at 500'                          |
|       | 510    |        | 565                                   | Gray shale & soapstone few Dakota stks.                                    |
|       | 565    | 03     | 568                                   | Dakota   |
|       | 568    |        | 615                                   | Gray shale soapstone few Dakota stks. few iron pyrite st                   |
|       | 615    |        | 700                                   | Shale & iron pyrite ledges very hard                                       |
|       |        |        | 133                                   | Well Location TD-513'  |
|       |        |        |                                       | Set up west - Pit on the north   |
| -     |        |        |                                       |  |
|       |        |        |                                       |  |
|       |        |        |                                       |  |
|       |        |        |                                       |  |
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|       |        |        |                                       |  |