

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

| | | | | |
|---------------------------|----------------------|----------------|-----------------|--------------|
| 1 LOCATION OF WATER WELL: | Fraction | Section Number | Township Number | Range Number |
| 2 COUNTY: 041 HASKELL | SW 1/4 SW 1/4 SW 1/4 | 34 | T 29 S | R 33 W |

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: Distance and direction from nearest town or city street address of well if located within city?
: APPROX. 4 MILES WEST OF SUBLETTE

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|-----------------------------|----------------------|---|
| 12 WATER WELL OWNER: | SWARTZ, DR. WARREN | |
| 1 RR#, St. Address, Box # : | 2401 SCARBOROUGH | Board of Agriculture, Division of Water Resources |
| 1 City, State, ZIP code : | ANCHORAGE, KS 99504- | Application Number: 16,985 |

| | | | | | | | |
|--------------------------------|----------------------------------|-----|------------|----|-------|----|-------|
| 13 LOCATE WELL'S LOCATION WITH | 4 DEPTH OF COMPLETED WELL | 662 | ELEVATION: | 0 | | | |
| AN "X" IN SECTION BOX: | Depth(s) Groundwater Encountered | 1. | 0 ft. | 2. | 0 ft. | 3. | 0 ft. |

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1/  \      :      :      :      :      :      : WELL'S STATIC WATER LEVEL 348 ft. below land surface measured on mo/day/yr 01/16/96 !
1/  \      :      :      :      :      :      : Pump testdata: Well water was 645 ft. after 4 hours pumping 425 gpm!

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| | | | | | | | | |
|---|----|----|--|-----------------|-------------------------|-------------|-----------------|--------|
| 1 | NW | NE | | Estimated Yield | 350 gpm: Well water was | 0 ft. after | 0 hours pumping | 0 gpm! |
|---|----|----|--|-----------------|-------------------------|-------------|-----------------|--------|

| | | | | | | | | | | | |
|---|-------|-------|-------|-------|---|--------------------|----|--------|--------------|--------|-------|
| W | ----- | ----- | ----- | ----- | E | Bore Hole Diameter | 24 | in. to | 662 ft., and | in. to | 0 ft. |
|---|-------|-------|-------|-------|---|--------------------|----|--------|--------------|--------|-------|

[illegible]

| | | |
|----|----|---|
| SW | SE | Was a chemical/bacteriological sample submitted to department? No ; |
|----|----|---|

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|---|---|---|---|---|---|---|---|---|----|----|----|------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|-----|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 | 51 | 52 | 53 | 54 | 55 | 56 | 57 | 58 | 59 | 60 | 61 | 62 | 63 | 64 | 65 | 66 | 67 | 68 | 69 | 70 | 71 | 72 | 73 | 74 | 75 | 76 | 77 | 78 | 79 | 80 | 81 | 82 | 83 | 84 | 85 | 86 | 87 | 88 | 89 | 90 | 91 | 92 | 93 | 94 | 95 | 96 | 97 | 98 | 99 | 100 |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 | 51 | 52 | 53 | 54 | 55 | 56 | 57 | 58 | 59 | 60 | 61 | 62 | 63 | 64 | 65 | 66 | 67 | 68 | 69 | 70 | 71 | 72 | 73 | 74 | 75 | 76 | 77 | 78 | 79 | 80 | 81 | 82 | 83 | 84 | 85 | 86 | 87 | 88 | 89 | 90 | 91 | 92 | 93 | 94 | 95 | 96 | 97 | 98 | 99 | 100 |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 | 51 | 52 | 53 | 54 | 55 | 56 | 57 | 58 | 59 | 60 | 61 | 62 | 63 | 64 | 65 | 66 | 67 | 68 | 69 | 70 | 71 | 72 | 73 | 74 | 75 | 76 | 77 | 78 | 79 | 80 | 81 | 82 | 83 | 84 | 85 | 86 | 87 | 88 | 89 | 90 | 91 | 92 | 93 | 94 | 95 | 96 | 97 | 98 | 99 | 100 |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 | 51 | 52 | 53 | 54 | 55 | 56 | 57 | 58 | 59 | 60 | 61 | 62 | 63 | 64 | 65 | 66 | 67 | 68 | 69 | 70 | 71 | 72 | 73 | 74 | 75 | 76 | 77 | 78 | 79 | 80 | 81 | 82 | 83 | 84 | 85 | 86 | 87 | 88 | 89 | 90 | 91 | 92 | 93 | 94 | 95 | 96 | 97 | 98 | 99 | 100 |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 | 51 | 52 | 53 | 54 | 55 | 56 | 57 | 58 | 59 | 60 | 61 | 62 | 63 | 64 | 65 | 66 | 67 | 68 | 69 | 70 | 71 | 72 | 73 | 74 | 75 | 76 | 77 | 78 | 79 | 80 | 81 | 82 | 83 | 84 | 85 | 86 | 87 | 88 | 89 | 90 | 91 | 92 | 93 | 94 | 95 | 96 | 97 | 98 | 99 | 100 |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13</ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

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15 TYPE OF BLANK CASING USED: 01 STEEL          CASING JOINTS: WELDED
| Blank casing diameter      16   in. to 662 ft., Dia      in. to   0 ft., Dia      in. to   0 ft.
| Casing height above land surface 12 in., weight 42 lbs/ft. Wall thickness or gauge No. .250
| TYPE OF SCREEN OR PERFORATION MATERIAL: 01 STEEL
| SCREEN OR PERFORATION OPENINGS ARE: 01 CONT. SLOT

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| | | | |
|------------------------------|--------------------------|----------------------|----------------------|
| SCREEN PERFORATED INTERVALS: | From 356 ft. to 476 ft., | From 0 ft. to 0 ft., | From 0 ft. to 0 ft., |
| | From 562 ft. to 662 ft., | From 0 ft. to 0 ft., | From 0 ft. to 0 ft., |
| GRAVEL PACK INTERVALS: | From 20 ft. to 662 ft., | From 0 ft. to 0 ft., | From 0 ft. to 0 ft., |
| | From 0 ft. to 0 ft., | From 0 ft. to 0 ft., | From 0 ft. to 0 ft., |

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:6 GROUT MATERIAL 03 BENTONITE
: Grout Intervals: From 0 ft. to 20 ft., From 0 ft. to 0 ft., From 0 ft. to 0 ft.
: What is the nearest source of possible contamination: 14 ABAND. WELL
: Direction from well? SOUTH/SOUTHEAST
: How many feet? 175

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| FROM | TO | LITHOLOGIC LOG | FROM | TO | PLUGGING INTERVALS |
|------|-----|--|------|----|--------------------|
| 0 | 1 | 02 SILT | | | |
| 1 | 6 | 01 CLAY 31 CALICHE | | | |
| 6 | 62 | 04 SANDY CLAY 01 CLAY 31 CALICHE | | | |
| 62 | 72 | 04 SANDY CLAY 05 SAND | | | |
| 72 | 95 | 07 FINE SAND 08 MEDIUM SAND 09 COARSE SAND | | | |
| 95 | 105 | 01 CLAY 31 CALICHE | | | |
| 105 | 125 | 07 FINE SAND 08 MEDIUM SAND 09 COARSE SAND | | | |
| 125 | 136 | 04 SANDY CLAY 31 CALICHE | | | |
| 136 | 175 | 05 SAND 01 CLAY | | | |
| 175 | 177 | 01 CLAY | | | |

17 CONTRACTOR'S OR LANDOWNER'S CERTIFICATION: This water well was Constructed under my jurisdiction and was
: completed on (mo/day/year) 01/12/96 and this record is true to the best of my knowledge and belief. Kansas
: Water Well Contractor's License No. 145 This Water Well Record was completed on (mo/day/yr) 02/05/96
: under the business name of HENKLE DRILLING & SUPPLY by (signature)

(Continued)

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| 1 LOCATION OF WATER WELL: | Fraction | Section Number | Township Number | Range Number |
|---------------------------|----------------------|----------------|-----------------|--------------|
| COUNTY: 041 HASKELL | SW 1/4 SW 1/4 SW 1/4 | 34 | T 20 S | R 33 W |

| 2 WATER WELL OWNER: | SWARTZ, DR. WARREN | Board of Agriculture, Division of Water Resources |
|---------------------------|----------------------|---|
| RR#, St. Address, Box # : | 2401 SCARBOROUGH | Application Number: 16,995 |
| City, State, ZIP code : | ANCHORAGE, KS 99504- | |

| FROM | TO | LITHOLOGIC LOG |
|------|-----|--|
| 177 | 204 | 07 FINE SAND 08 MEDIUM SAND 09 COARSE SAND |
| 204 | 212 | 04 SANDY CLAY 05 SAND 20 LIMESTONE |
| 212 | 236 | 01 CLAY |
| 236 | 281 | 05 SAND 11 GRAVEL 01 CLAY |
| 281 | 283 | 20 LIMESTONE |
| 283 | 304 | 07 FINE SAND 08 MEDIUM SAND 09 COARSE SAND |
| 304 | 320 | 05 SAND 01 CLAY |
| 320 | 346 | 05 SAND 01 CLAY |
| 346 | 358 | 01 CLAY 05 SAND |
| 358 | 391 | 05 SAND 31 CALICHE 20 LIMESTONE |
| 391 | 402 | 05 SAND 20 LIMESTONE |
| 402 | 423 | 01 CLAY 20 LIMESTONE |
| 423 | 430 | 19 SHALE 23 SANDSTONE 20 LIMESTONE |
| 430 | 455 | 23 SANDSTONE 19 SHALE |
| 455 | 475 | 19 SHALE 23 SANDSTONE 20 LIMESTONE |
| 475 | 520 | 19 SHALE 20 LIMESTONE |
| 520 | 559 | 19 SHALE 23 SANDSTONE 20 LIMESTONE |
| 559 | 654 | 23 SANDSTONE 19 SHALE |
| 654 | 659 | 19 SHALE |
| 659 | 680 | 19 SHALE |

| 7 CONTRACTOR'S OR LANDOWNER'S CERTIFICATION: | This water well was Constructed under my jurisdiction and was completed on (mo/day/year) 01/12/96 and this record is true to the best of my knowledge and belief. Kansas Water Well Contractor's License No. 145 This Water Well Record was completed on (mo/day/yr) 02/05/96 by (signature) <i>Bruce J. Reichmuth</i> |
|---|--|
| under the business name of HENKLE DRILLING & SUPPLY | |