

WATER WELL RECORD Form WWC-5 KSA 82a-1212 ID No.

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|--|------------|--|--|------------------------------|--|
| 1 LOCATION OF WATER WELL: | | Fraction | Section Number | Township Number | Range Number |
| County: Finney | | NW $\frac{1}{4}$ NE $\frac{1}{4}$ NE $\frac{1}{4}$ | 3 | T 24 S | R 34 W |
| Distance and direction from nearest town or city street address of well if located within city? 9480 W. Highway 50 - Holcomb | | | | | |
| 2 WATER WELL OWNER: Northern Natural Gas | | | | | |
| RR#, St. Address, Box # : 1111 S. 103rd St. | | | Board of Agriculture, Division of Water Resources | | |
| City, State, ZIP Code : Omaha, NE 68124 | | | Application Number: | | |
| 3 LOCATE WELL'S LOCATION WITH AN "X" IN SECTION BOX: | | 4 DEPTH OF COMPLETED WELL 166.5 ft. ELEVATION: 2948.88 (TOC) | | | |
| | | Depth(s) Groundwater Encountered 1 150 ft. 2 _____ ft. 3 _____ ft. | | | |
| | | WELL'S STATIC WATER LEVEL _____ ft. below land surface measured on mo/day/yr | | | |
| | | Pump test data: Well water was _____ ft. after _____ hours pumping _____ gpm | | | |
| | | Est. Yield _____ gpm: Well water was _____ ft. after _____ hours pumping _____ gpm | | | |
| | | Bore Hole Diameter 8.25 in. to 166.5 ft. and _____ in. to _____ ft. | | | |
| WELL WATER TO BE USED AS: 5 Public water supply 8 Air conditioning 11 Injection well | | | | | |
| 1 Domestic 3 Feed lot 6 Oil field water supply 9 Dewatering 12 Other (Specify below) | | | | | |
| 2 Irrigation 4 Industrial 7 Lawn and garden (domestic) 10 Monitoring well | | | | | |
| Was a chemical/bacteriological sample submitted to Department? Yes _____ No X If yes, mo/day/yr sample was submitted _____ | | | | | |
| Water Well Disinfected? Yes _____ No X | | | | | |
| 5 TYPE OF BLANK CASING USED: | | | | | |
| 1 Steel | | 3 RMP (SR) | 5 Wrought Iron | 8 Concrete tile | CASING JOINTS: Glued _____ Clamped _____ |
| 2 PVC | | 4 ABS | 6 Asbestos-Cement | 9 Other (specify below) | Welded _____ |
| | | 7 Fiberglass | Threaded Flush | | |
| Blank casing diameter 2 in. to 141.5 ft. Dia _____ in. to _____ ft. Dia _____ in. to _____ ft. | | | | | |
| Casing height above land surface 26.4 in., weight 0.703 lbs./ft. Wall thickness or gauge No. SCH. 80 | | | | | |
| TYPE OF SCREEN OR PERFORATION MATERIAL: | | | | | |
| 1 Steel | | 3 Stainless steel | 5 Fiberglass | 8 RMP (SR) | 10 Asbestos-cement |
| 2 Brass | | 4 Galvanized steel | 6 Concrete tile | 9 ABS | 11 Other (specify) |
| | | | | | 12 None used (open hole) |
| SCREEN OR PERFORATION OPENINGS ARE: | | | | | |
| 1 Continuous slot | | 3 Mill slot | 5 Gauzed wrapped | 8 Saw cut | 11 None (open hole) |
| 2 Louvered shutter | | 4 Key punched | 6 Wire wrapped | 9 Drilled holes | |
| | | | 7 Torch cut | 10 Other (specify) | |
| SCREEN-PERFORATED INTERVALS: From 141.5 ft. to 166.5 ft. From _____ ft. to _____ ft. | | | | | |
| GRAVEL PACK INTERVALS: From 137 ft. to 166.5 ft. From _____ ft. to _____ ft. | | | | | |
| 6 GROUT MATERIAL: 1 Neat cement 2 Cement grout 3 Bentonite 4 Other _____ | | | | | |
| Grout Intervals From 2 ft. to 137 ft. From _____ ft. to _____ ft. From _____ ft. to _____ ft. | | | | | |
| What is the nearest source of possible contamination: | | | | | |
| 1 Septic tank | | 4 Lateral lines | 7 Pit privy | 10 Livestock pens | 14 Abandoned water well |
| 2 Sewer lines | | 5 Cess pool | 8 Sewage lagoon | 11 Fuel storage | 15 Oil well/ Gas well |
| 3 Watertight sewer lines | | 6 Seepage pit | 9 Feedyard | 12 Fertilizer storage | 16 Other (specify below) |
| | | | | 13 Insecticide storage | |
| Direction from well? _____ How many feet? _____ | | | | | |
| FROM | TO | CODE | LITHOLOGIC LOG | FROM | TO |
| 0 | 0.3 | | Gravel | 59 | 70 |
| 0.3 | 16 | CL | Clay, some silt, trace to some sand, dark yellow brown to brown | 70 | 76 |
| 16 | 20 | ML | Silt, some sand, tr clay, strong brn | 76 | 92 |
| 20 | 30 | SM | Sand, some silt, light yellow brn to brn, very fine to coarse grained | 92 | 95 |
| 30 | 34 | CL | Clay, tr to some sand & silt, dark yllw brn | 95 | 140 |
| 34 | 42 | SW | Sand, vf to c, yllw brn | 140 | 150 |
| 42 | 46 | SM | Sand, some silt & clay, vf to c, yllw brn | 150 | 158 |
| 46 | 54 | CL | Clay, some sand & silt, yllw brn | 158 | 166.5 |
| 54 | 59 | SM | Sand, some silt & clay, yllw brn, vf to c, tr gravel | Survey date: 11/21/13 | |
| | | | | Northing: 1808532.96 | |
| | | | | Easting: 582462.98 | |
| 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/yr) 11/02/13 and this record is true to the best of my knowledge and belief. Kansas | | | | | |
| Water Well Contractor's License No. 531 | | | This Water Well Record was completed on (mo/day/yr) 11/27/13 | | |
| under the business name of GSI Engineering, LLC | | | by signature <i>[Signature]</i> | | |
| INSTRUCTIONS: Please fill in blanks and circle the correct answers. Send three copies to Kansas Department of Health and Environment, Bureau of Water, 1000 S W Jackson St., Ste. 420, Topeka, Kansas 66612-1367. Telephone: 913-296-5545. Send one to WATER WELL OWNER and retain one for your records. | | | | | |

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