

Permit #1021BW

WATER WELL RECORD Form WWC-5

Division of Water Resources App. No.

Well ID

Original Record Correction Change in Well Use

1 LOCATION OF WATER WELL: County: DICKINSON Fraction NW 1/4 SW 1/4 Section Number 10 Township Number T 11 S Range Number R 3 E W

2 WELL OWNER: Last Name: Hill First: Dean Street or Rural Address where well is located (if unknown, distance and direction from nearest town or intersection): From Upland to North 2 miles to 3600 Rd then go 5 west to Nail Rd. & then 6 1/2 south

3 LOCATE WELL WITH "X" IN SECTION BOX: N, W, E, S grid with X in SW quadrant

4 DEPTH OF COMPLETED WELL: 120 ft. Depth(s) Groundwater Encountered: 1) 72 ft. 2) ... ft. 3) ... ft., or 4) Dry Well WELL'S STATIC WATER LEVEL: 60' ft. below land surface, measured on (mo-day-yr) ...

5 Latitude: N 39° 06.610 (decimal degrees) Longitude: W 097° 05.559 (decimal degrees) Horizontal Datum: WGS 84 NAD 83 NAD 27 Source for Latitude/Longitude: GPS (unit make/model: Garmin ETrex 20) (WAAS enabled? Yes No) Land Survey Topographic Map Online Mapper

6 Elevation: 1,231 ft. Ground Level TOC Source: Land Survey GPS Topographic Map Other

7 WELL WATER TO BE USED AS: 1. Domestic: Household Lawn & Garden Livestock Irrigation Feedlot Industrial 5. Public Water Supply: well ID 6. Dewatering: how many wells? 7. Aquifer Recharge: well ID 8. Monitoring: well ID 9. Environmental Remediation: well ID Air Sparge Soil Vapor Extraction Recovery Injection 10. Oil Field Water Supply: lease 11. Test Hole: well ID Cased Uncased Geotechnical 12. Geothermal: how many bores? a) Closed Loop Horizontal Vertical b) Open Loop Surface Discharge Inj. of Water 13. Other (specify):

Was a chemical/bacteriological sample submitted to KDHE? Yes No If yes, date sample was submitted: Water well disinfected? Yes No

8 TYPE OF CASING USED: Steel PVC Other CASING JOINTS: Glued Clamped Welded Threaded Casing diameter: 5" in. to 100 ft. Diameter: 31 in. to ... ft. Diameter: ... in. to ... ft. Casing height above land surface: 31 in. Weight: 6540 lbs./ft. Wall thickness or gauge No. TYPE OF SCREEN OR PERFORATION MATERIAL: Steel Stainless Steel Fiberglass PVC Brass Galvanized Steel Concrete tile None used (open hole) SCREEN OR PERFORATION OPENING SIZE: Continuous Slot Mill Slot Gauze Wrapped Torch Cut Drilled Holes Other (Specify) Louvered Shutter Key Punched Wire Wrapped Saw Cut None (Open Hole) SCREEN-PERFORATED INTERVALS: From 100 ft. to 120 ft. From ... ft. to ... ft. From ... ft. to ... ft. GRAVEL PACK INTERVALS: From 37 ft. to 120 ft. From ... ft. to ... ft. From ... ft. to ... ft.

9 GROUT MATERIAL: Neat cement Cement grout Bentonite Other Grout Intervals: From 5' ft. to 37' ft. From ... ft. to ... ft. From ... ft. to ... ft. Nearest source of possible contamination: Septic Tank Lateral Lines Pit Privy Livestock Pens Insecticide Storage Sewer Lines Cess Pool Sewage Lagoon Fuel Storage Abandoned Water Well Watertight Sewer Lines Seepage Pit Feedyard Fertilizer Storage Oil Well/Gas Well Other (Specify) Direction from well? Distance from well? ft.

10 FROM TO LITHOLOGIC LOG FROM TO LITHO. LOG (cont.) or PLUGGING INTERVALS

0	1	Top Soil	57	72	Yellow Shale
1	4	Brown Clay	72	90	Limstone (MATTAN)
4	7	Limstone	90	104	Brown Shale
7	12	Yellow Shale	104	115	Limstone
12	17	Limstone	115	120	Gray Shale
17	37	Brown Shale			
37	51	Limstone			
51	54	Tan Shale			
54	57	Limstone			

11 CONTRACTOR'S OR LANDOWNER'S CERTIFICATION: This water well was constructed, reconstructed, or plugged under my jurisdiction and was completed on (mo-day-year) 10/18/2018 and this record is true to the best of my knowledge and belief. Kansas Water Well Contractor's License No. 451 This Water Well Record was completed on (mo-day-year) 10/18/2018 under the business name of Waldman Well Drilling Craig H. Culp/PT