

COLLECTED

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WATER WELL RECORD Form WWC-5 1294842 Division of Water Resources App. No. Well ID

1 LOCATION OF WATER WELL: County: Seward Fraction SW 1/4 SE 1/4 NW 1/4 SE 1/4 Section Number 34 Township Number T 32 S Range Number R 33 E W

2 WELL OWNER: Last Name: BLACKWOOD First: SHANE Business: Lemert, Rex Address: 701 S Tyler Suite 400 City: Liberal State: Kansas ZIP: 67964 Street or Rural Address where well is located (if unknown, distance and direction from nearest town or intersection): LIBERAL: HWY 83 & RD 14, 2 N NE ON 83 TO GREEN MARKER SIGN ON N SIDE, MARKED 15380, N ON WINDING

3 LOCATE WELL WITH 'X' IN SECTION BOX: N W E S [Diagram showing section box with 'X' in SE] 4 DEPTH OF COMPLETED WELL: 420 ft. Depth(s) Groundwater Encountered: 1) 110 ft. 2) ... 3) ... 4) Dry Well WELL'S STATIC WATER LEVEL: 110 ft. below land surface, measured on (mo-day-yr) 03/02/2016 Pump test data: Well water was 120 ft. after 1 hours pumping 100 gpm Well water was ... ft. after ... hours pumping ... gpm Estimated Yield: 100 gpm Bore Hole Diameter: 9.750 in. to 420 ft. and ... in. to ... ft. 5 Latitude: 37.21766 (decimal degrees) Longitude: 100.89363 (decimal degrees) Datum: WGS 84 NAD 83 NAD 27 Source for Latitude/Longitude: GPS (unit make/modcl: ... (WAAS enabled? Yes No) Land Survey Topographic Map Online Mapper: ... 6 Elevation: 2710 ft. Ground Level TOC Source: Land Survey GPS Topographic Map Other KOLAR

7 WELL WATER TO BE USED AS: 1. Domestic: Household Lawn & Garden Livestock Irrigation Feedlot Industrial 2. Public Water Supply: well ID 3. Dewatering: how many wells? 4. Aquifer Recharge: well ID 5. Monitoring: well ID 6. Environmental Remediation: well ID Air Sparge Soil Vapor Extraction Recovery Injection 7. Oil Field Water Supply: lease 8. Test Hole: well ID Cased Uncased Geotechnical 9. Geothermal: how many bores? a) Closed Loop Horizontal Vertical b) Open Loop Surface Discharge Inj. of Water 10. 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 420 ft. Diameter in. to ... ft. Diameter in. to ... ft. Casing height above land surface 24 in. Weight lbs./ft. Wall thickness or gauge No. SDR17 TYPE OF SCREEN OR PERFORATION MATERIAL: Steel Stainless Steel Fiberglass PVC Other (Specify) SCREEN OR PERFORATION OPENINGS ARE: 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 360 ft. to 420 ft. From ... ft. to ... ft. From ... ft. to ... ft. GRAVEL PACK INTERVALS: From 160 ft. to 420 ft. From ... ft. to ... ft. From ... ft. to ... ft.

9 GROUT MATERIAL: Neat cement Cement grout Bentonite Other Grout Intervals: From 0 ft. to 25 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.

Table with 6 columns: 10 FROM, TO, LITHOLOGIC LOG, FROM, TO, LITHO. LOG (cont.) or PLUGGING INTERVALS. Rows include TOP SOIL, TAN & LIGHT BROWN CLAY, SANDY TAN CLAY, MEDIUM & COURSE SAND, SMALL GRAVEL, SANDSTONE & CLAY STRIPS, SAND, SANDY CLAY, MEDIUM SAND.

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) 03/01/2016 and this record is true to the best of my knowledge and belief. Kansas Water Well Contractor's License No. 430 This Water Well Record was completed on (mo-day-year) 03/03/2016 under the business name of Howard Drilling Co.