

WATER WELL RECORD Form WWC-5

Division of Water
Resources App. No.

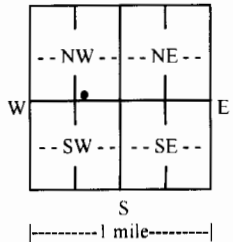
Well ID

Original Record Correction Change in Well Use

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

2 WELL OWNER: Last Name: First: Street or Rural Address where well is located (if unknown, distance and direction from nearest town or intersection): If at owner's address, check here:
 Business: BERGEN FARM LLC
 Address: P O BOX 721200
 Address: 4 1/2 MILES SOUTH OF DELPHOS ON 90TH ROAD
 City: NORMAN State: OK ZIP: 73070-4916 **3 WELLS IN A SERIES - MIDDLE WELL**

3 LOCATE WELL WITH "X" IN SECTION BOX:



4 DEPTH OF COMPLETED WELL: 120 ft.
 Depth(s) Groundwater Encountered: 1) ft.
 2) ft. 3) ft. or 4) Dry Well
 WELL'S STATIC WATER LEVEL: 23 ft.
 below land surface, measured on (mo-day-yr) 03/02/2016
 above land surface, measured on (mo-day-yr)
 Pump test data: Well water was 62 ft.
 after 8 hours pumping 430 gpm
 Well water was ft.
 after hours pumping gpm
 Estimated Yield: 430 gpm
 Bore Hole Diameter: 28 in. to 120 ft. and
 in. to ft.

5 Latitude: 39.198375 (decimal degrees)
Longitude: -97.755630 (decimal degrees)
 Horizontal Datum: WGS 84 NAD 83 NAD 27
 Source for Latitude/Longitude:
 GPS (unit make/model: GARMIN)
 (WAAS enabled? Yes No)
 Land Survey Topographic Map
 Online Mapper:

6 Elevation: 1276 ft. Ground Level TOC
 Source: Land Survey GPS Topographic Map
 Other: GOOGLE EARTH

7 WELL WATER TO BE USED AS:

| | | | | | | | | | | | | | | | | | |
|--|---|-------------------------------------|--|--|---|---|---|---|--|--|--|------------------------------|---|---------------------------------------|--|--|---|
| 1. Domestic: <input type="checkbox"/> Household <input type="checkbox"/> Lawn & Garden <input type="checkbox"/> Livestock | 2. <input checked="" type="checkbox"/> Irrigation | 3. <input type="checkbox"/> Feedlot | 4. <input type="checkbox"/> Industrial | 5. <input type="checkbox"/> Public Water Supply: well ID | 6. <input type="checkbox"/> Dewatering: how many wells? | 7. <input type="checkbox"/> Aquifer Recharge: well ID | 8. <input type="checkbox"/> Monitoring: well ID | 9. Environmental Remediation: well ID | <input type="checkbox"/> Air Sparge <input type="checkbox"/> Soil Vapor Extraction | <input type="checkbox"/> Recovery <input type="checkbox"/> Injection | 10. <input type="checkbox"/> Oil Field Water Supply: lease | 11. Test Hole: well ID | <input type="checkbox"/> Cased <input type="checkbox"/> Uncased <input type="checkbox"/> Geotechnical | 12. Geothermal: how many bores? | a) Closed Loop <input type="checkbox"/> Horizontal <input type="checkbox"/> Vertical | b) Open Loop <input type="checkbox"/> Surface Discharge <input type="checkbox"/> Inj. of Water | 13. <input type="checkbox"/> 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: 16 in. to 60 ft., Diameter: in. to ft., Diameter: in. to ft.
 Casing height above land surface: 12 in. Weight: 15.853 lbs./ft. Wall thickness or gauge No.: 500

TYPE OF SCREEN OR PERFORATION MATERIAL:
 Steel Stainless Steel Fiberglass PVC Other (Specify)
 Brass Galvanized Steel Concrete tile None used (open hole)

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 60 ft. to 120 ft., From ft. to ft., From ft. to ft.
 GRAVEL PACK INTERVALS: From 25 ft. to 120 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) .NONE.....
 Direction from well? Distance from well? ft.

| 10 FROM | TO | LITHOLOGIC LOG | FROM | TO | LITHO. LOG (cont.) or PLUGGING INTERVALS |
|---------|-----|---------------------------------|------|----|--|
| 0 | 5 | TOP SOIL | | | |
| 5 | 17 | MIXED CLAY | | | |
| 17 | 27 | DARK BROWN CLAY | | | |
| 27 | 34 | GRAY CLAY | | | |
| 34 | 36 | GREEN COARSE SAND | | | |
| 36 | 50 | GRAY CLAY | | | |
| 50 | 108 | WHITE SAND STONE | | | Notes: |
| 108 | 112 | GRAY CLAY | | | |
| 112 | 120 | WHITE SAND STONE WITH PYRITE LA | | | |

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) 06/14/2016 and this record is true to the best of my knowledge and belief. Kansas Water Well Contractor's License No. 480. This Water Well Record was completed on (mo-day-year) 07/12/2017 under the business name of WILLIAMS DRILLING CO INC. Signature: [Signature]