

WATER WELL RECORD Form WWC-5

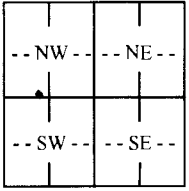
Division of Water Resources App. No.

Well ID

Original Record Correction Change in Well Use

1 LOCATION OF WATER WELL: County: OTTAWA	Fraction SE 1/4 SE 1/4 SW 1/4 NW 1/4	Section Number 10	Township Number T 10 S	Range Number R 4 <input type="checkbox"/> E <input checked="" type="checkbox"/> W
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2 WELL OWNER: Last Name: BERGEN FARM LLC Business: BERGEN FARM LLC Address: P O BOX 721200 Address: City: NORMAN State: OK ZIP: 73070-4916	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: <input type="checkbox"/> 4 1/2 MILES SOUTH OF DELPHOS ON 90TH ROAD 3 WELLS IN A SERIES - WEST WELL
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3 LOCATE WELL WITH "X" IN SECTION BOX: N W E S ----- 1 mile ----- 	4 DEPTH OF COMPLETED WELL: 120 ft. Depth(s) Groundwater Encountered: 1) ft. 2) ft. 3) ft. or 4) <input type="checkbox"/> Dry Well WELL'S STATIC WATER LEVEL: 22 ft. <input checked="" type="checkbox"/> below land surface, measured on (mo-day-yr) 08/15/2016 <input type="checkbox"/> above land surface, measured on (mo-day-yr) Pump test data: Well water was 63 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: 39.198024 (decimal degrees) Longitude: -97.758159 (decimal degrees) Horizontal Datum: <input type="checkbox"/> WGS 84 <input checked="" type="checkbox"/> NAD 83 <input type="checkbox"/> NAD 27 Source for Latitude/Longitude: <input checked="" type="checkbox"/> GPS (unit make/model: GARMIN) (WAAS enabled? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No) <input type="checkbox"/> Land Survey <input type="checkbox"/> Topographic Map <input type="checkbox"/> Online Mapper:
6 Elevation: 1275 ft. <input type="checkbox"/> Ground Level <input type="checkbox"/> TOC Source: <input type="checkbox"/> Land Survey <input type="checkbox"/> GPS <input type="checkbox"/> Topographic Map <input checked="" type="checkbox"/> 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	5. <input type="checkbox"/> Public Water Supply: well ID	10. <input type="checkbox"/> Oil Field Water Supply: lease
2. <input checked="" type="checkbox"/> Irrigation	6. <input type="checkbox"/> Dewatering: how many wells?	11. Test Hole: well ID
3. <input type="checkbox"/> Feedlot	7. <input type="checkbox"/> Aquifer Recharge: well ID	<input type="checkbox"/> Cased <input type="checkbox"/> Uncased <input type="checkbox"/> Geotechnical
4. <input type="checkbox"/> Industrial	8. <input type="checkbox"/> Monitoring: well ID	12. Geothermal: how many bores?
	9. Environmental Remediation: well ID	a) Closed Loop <input type="checkbox"/> Horizontal <input type="checkbox"/> Vertical
	<input type="checkbox"/> Air Sparge <input type="checkbox"/> Soil Vapor Extraction	b) Open Loop <input type="checkbox"/> Surface Discharge <input type="checkbox"/> Inj. of Water
	<input type="checkbox"/> Recovery <input type="checkbox"/> Injection	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	68	73	GRAY CLAY
5	17	TAN CLAY	73	120	WHITE SAND STONE AND PYRITE
17	28	BROWN CLAY			
28	32	FINE TO MED SAND			
35	37	SAND AND GRAVEL			
37	40	GRAY CLAY			
40	49	GREEN SAND AND GRAVEL	Notes:		
49	67	GRAY CLAY			
67	68	PYRITE AND WHITE SAND STONE			

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) **07/28/2016** 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) **07/21/2017** under the business name of **WILLIAMS DRILLING CO. INC.** Signature *[Signature]*