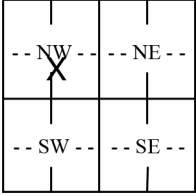


WATER WELL RECORD Form WWC-5
☒ Original Record ☐ Correction ☐ Change in Well Use
Division of Water
Resources App. No.Well ID
MW-9DR

1 LOCATION OF WATER WELL: County: Wyandotte		Fraction SW ¼ NW ¼ SE ¼ NW ¼	Section Number 13	Township Number T 11 S	Range Number R 24 ☒ E ☐ W																																																												
2 WELL OWNER: Last Name: _____ Business: T H Agriculture & Nutrition LLC Address: 15313 W. 95th St. Address: _____ City: Lenexa State: KS ZIP: 66219		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: ☐ 5200 Speaker Rd., Kansas City, KS																																																															
3 LOCATE WELL WITH "X" IN SECTION BOX: N  W E S -----1 mile-----	4 DEPTH OF COMPLETED WELL: <u>77</u> ft. Depth(s) Groundwater Encountered: 1) <u>43</u> ft. 2) _____ ft. 3) _____ ft., or 4) ☐ Dry Well WELL'S STATIC WATER LEVEL: <u>41.48</u> ft. ☒ below land surface, measured on (mo-day-yr) <u>07/23/2018</u> ☐ above land surface, measured on (mo-day-yr) _____ Pump test data: Well water was _____ ft. after _____ hours pumping _____ gpm Well water was _____ ft. after _____ hours pumping _____ gpm Estimated Yield: _____ gpm Bore Hole Diameter: <u>8.25</u> in. to <u>77</u> ft. and _____ in. to _____ ft.		5 Latitude: <u>39.0969386</u> (decimal degrees) Longitude: <u>94.7005435</u> (decimal degrees) Datum: ☐ WGS 84 ☒ NAD 83 ☐ NAD 27 Source for Latitude/Longitude: _____ ☐ GPS (unit make/model: _____) (WAAS enabled? ☐ Yes ☐ No) ☐ Land Survey ☐ Topographic Map ☐ Online Mapper: _____																																																														
	6 Elevation: <u>767</u> 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 2. ☐ Irrigation 3. ☐ Feedlot 4. ☐ Industrial 5. ☐ Public Water Supply: well ID _____ 6. ☐ Dewatering: how many wells? _____ 7. ☐ Aquifer Recharge: well ID _____ 8. ☒ Monitoring: well ID MW-9DR 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 <u>2</u> in. to <u>73</u> ft., Diameter _____ in. to _____ ft., Diameter _____ in. to _____ ft. Casing height above land surface <u>0</u> in. Weight _____ lbs./ft. Wall thickness or gauge No. <u>40</u> 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 <u>73</u> ft. to <u>77</u> ft., From _____ ft. to _____ ft., From _____ ft. to _____ ft. GRAVEL PACK INTERVALS: From <u>69.5</u> ft. to <u>77</u> ft., From _____ ft. to _____ ft., From _____ ft. to _____ ft.																																																																	
9 GROUT MATERIAL: ☐ Neat cement ☐ Cement grout ☒ Bentonite ☐ Other _____ Grout Intervals: From <u>1</u> ft. to <u>69.5</u> 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? East Distance from well? <u>50</u> ft.																																																																	
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>10 FROM</th> <th>TO</th> <th>LITHOLOGIC LOG</th> <th>FROM</th> <th>TO</th> <th>LITHO. LOG (cont.) or PLUGGING INTERVALS</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>1</td> <td>Topsoil</td> <td></td> <td></td> <td></td> </tr> <tr> <td>1</td> <td>10</td> <td>Silty fine sand</td> <td></td> <td></td> <td></td> </tr> <tr> <td>10</td> <td>15</td> <td>Fine sand, gravel</td> <td></td> <td></td> <td></td> </tr> <tr> <td>15</td> <td>43</td> <td>Silty fine sand, some m sand</td> <td></td> <td></td> <td></td> </tr> <tr> <td>43</td> <td>53</td> <td>Sand, m, w/ silty clay layer</td> <td></td> <td></td> <td></td> </tr> <tr> <td>53</td> <td>61</td> <td>Silty fine sand, some m sand</td> <td></td> <td></td> <td></td> </tr> <tr> <td>61</td> <td>77</td> <td>Silt and fine sand</td> <td></td> <td></td> <td></td> </tr> <tr> <td colspan="3"></td> <td colspan="3" rowspan="3">Notes:</td> </tr> <tr> <td colspan="3"></td> </tr> <tr> <td colspan="3"></td> </tr> </tbody> </table>						10 FROM	TO	LITHOLOGIC LOG	FROM	TO	LITHO. LOG (cont.) or PLUGGING INTERVALS	0	1	Topsoil				1	10	Silty fine sand				10	15	Fine sand, gravel				15	43	Silty fine sand, some m sand				43	53	Sand, m, w/ silty clay layer				53	61	Silty fine sand, some m sand				61	77	Silt and fine sand							Notes:								
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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) 06/28/2018 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-year) 07/23/2018 under the business name of GSI Engineering, LLC

Send one copy to WATER WELL OWNER and retain one for your records. Fee of \$5.00 for each constructed well.

KS Department of Health and Environment, Bureau of Water, Geology Section, 1000 SW Jackson St., Suite 420, Topeka, Kansas 66612-1367. Telephone 785-296-3565.

Visit us at <http://www.kdheks.gov/waterwell/index.html>

KSA 82a-1212

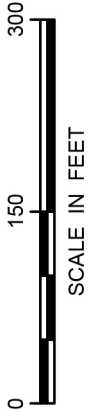


LEGEND

- Groundwater Monitoring Well
- Proposed Groundwater Monitoring Well Location
- Base Feature
- Sanitary Sewer Line
- Restricted Zone
- Listed Waste Excavation Area
- Anticipated Construction Area

NOTES:

1. Facility mapping based on aerial photography taken by Western Air Maps (August 8, 1990).
2. Facility mapping revised by George Butler and Associates (March 13, 2002).
3. Base adapted from URS drawing "2-18 10/23/2002".
4. SVE Expansion Survey (Anderson Survey, October 21, 2005).
5. Rail Construction Areas adapted from URS drawing Harcros PROPOSED 10.dgn (November 2014).



PROJECTION: NAD83 State Plane Kansas North Feet

HARCROS CHEMICALS INC.
5200 SPEAKER ROAD
KANSAS CITY, KANSAS

MONITORING WELL MODIFICATIONS

MONITORING WELL SITE MAP

FIGURE