

WATER WELL RECORD

Form WWC-5

Division of Water Resources App. No.

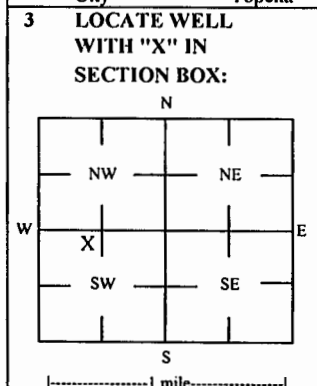
Well ID

MW1

Original Record Correction Change in Well Ust

1 LOCATION OF WATER WELL: County Crawford Fraction SW 1/4 SW 1/4 NW 1/4 NW 1/4 Section Number 8 Township Number T 29 S Range Number R 25 E W

2 WELL OWNER: Last Name: Business: KDHE (Minneman Property) Address: 1000 SW Jackson St City Topeka State: KS ZIP: 66612 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: 321 S West St, Arma, KS



4 DEPTH OF COMPLETED WELL: 13.5 ft Depth(s) Groundwater Encountered: 1) 13.5 ft 2) ft 3) ft, or 4) Dry Well WELL'S STATIC WATER LEVEL: 2.63 ft below land surface, measured on (mo-day-yr) 10/30/18

5 Latitude: (decimal degrees) Longitude: (decimal degrees) Horizontal 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 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 2 Public Water Supply: well ID 3 Dewatering: how many wells? 4 Aquifer Recharge: well ID 5 Monitoring: well ID MW1 6 Environmental Remediation: well ID Air Sparge Soil Vapor Extractor 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 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 2 in. to 3 ft, Diameter in. to ft, Diameter in. to ft, Casing height above land surface in. Weight lbs./ft. Well thickness or gauge No 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 3 ft. to 13.5 ft, From ft. to ft, From ft. to ft, GRAVEL PACK INTERVALS: From 2 ft. to 13.5 ft, From ft. to ft, From ft. to ft,

9 GROUT MATERIAL: Neat cement Cement grout Bentonite Other Concrete: 0-0.5 ft Grout intervals: From 0.5 ft. to 2 ft, From ft. to ft, From ft. to ft,

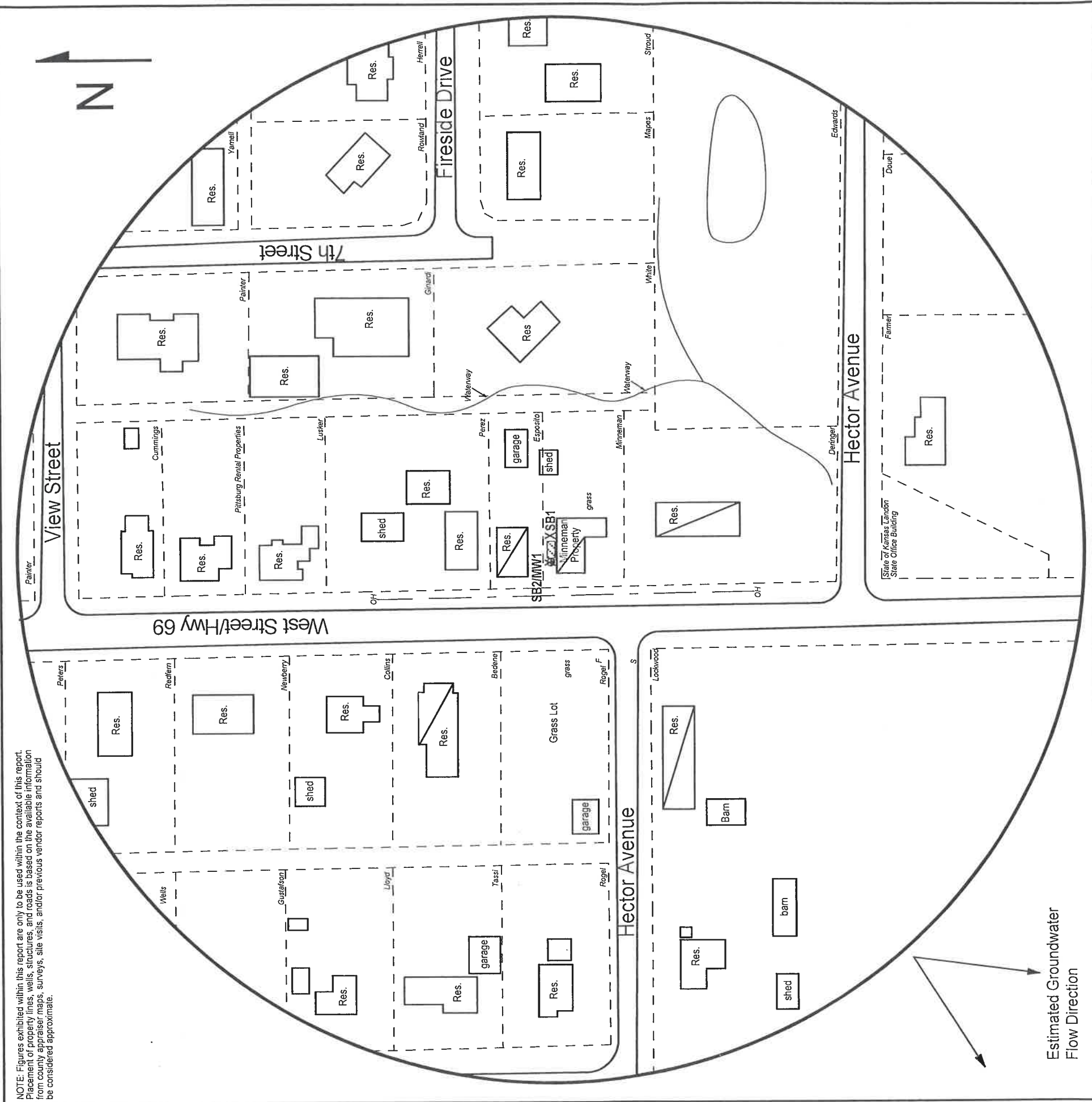
Nearest source of possible contamination: Septic Tank Lateral Lines Pit Privy Livestock Pens Insecticide Storage Sewer Lines Cess Pool Sewage Lagoon Fuel Storage Abandoned Water Well Watertight Sewer Lines Seepage Pit Feedyard Fertilizer Storage Oil Well / Gas Well Other (Specify) Direction from well? E Distance from well? ~3 ft

Table with columns: FROM, TO, LITHOLOGIC LOG, FROM, TO, LITHO. LOG (cont.) or PLUGGING INTERVALS. Rows include Gravel, Silty clay with fine sand, Silty clay, Fine grained sandstone, Fine grained siltstone, Shale.

Notes: KDHE ID: Minneman Property; U3-019-15118 Target of monitoring well is shallow groundwater, <20' of grout was installed at the direction of KDHE.

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) 10/16/18 and this record is true to the best of my knowledge and belief. Kansas Water Well Contractor's License No 757 This Water Well Record was completed on (mo-day-year) 12/18/18 under the business name of Larsen & Associates, Inc. Signature

Mail 1 white copy along with a fee of \$5.00 for each constructed well to: Kansas Department of Health and Environment, Bureau of Water, GW Section, 1000 SW Jackson St., Suite 420, Topeka, Kansas 66612-1367. Mail one to Water Well Owner and retain one for your records. Telephone 785-296-5524.



NOTE: Figures exhibited within this report are only to be used within the context of this report. Placement of property lines, wells, structures, and roads is based on the available information from county appraiser maps, surveys, site visits, and/or previous vendor reports and should be considered approximate.

<h3>FIGURE 2.1 - 500 FT RADIUS AREA BASE MAP</h3>		<p><b>LEGEND:</b></p> <ul style="list-style-type: none"> <li> Approximate Location of Former Fuel Oil Tank</li> <li> Building with Basement</li> <li> Approximate Location of Property Line</li> <li> Monitoring Well (Installed 10/16/18)</li> <li> Soil Boring (Drilled 10/16/18)</li> <li> Fire Hydrant</li> <li> Sewer Inlet</li> <li> Overhead Lines (25-40 ft high)</li> </ul>	
<p><b>PROJECT:</b> Minneman Property 321 S West St. Arma, KS KDHE ID: U3-019-15118 Date: 10/30/18</p>		<p>0 100 feet</p>	
		<p>1311 E 25th St., Suite B (785) 841-8707 office Lawrence, KS 66046 (785) 865-4282 fax</p>	

NOTE: Utility depths, heights and locations are approximate.

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JAN 11 2019  
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