

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: Jette Fraction NE 1/4 SE 1/4 SW 1/4 SW 1/4 Section Number 26 Township Number T 31 S Range Number R 20 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: Former Kansas Army Ammunition Plant (KSAAP) Scott Road and Road 22000

3 LOCATE WELL WITH "X" IN SECTION BOX: N W E S |-----1 mile-----|

4 DEPTH OF COMPLETED WELL: 25 ft. Depth(s) Groundwater Encountered: 1) DRY ft. 2) ft. 3) ft. or 4) Dry Well WELL'S STATIC WATER LEVEL: DRY ft. below land surface, measured on (mo-day-yr) 11-20-19 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: 6 in. to 25 ft. and in. to ft.

5 Latitude: 37.312087 (decimal degrees) Longitude: 95.190451 (decimal degrees) Horizontal Datum: WGS 84 NAD 83 NAD 27 Source for Latitude/Longitude: GPS (unit make/model: Iohone) (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 Dewatering: how many wells? Aquifer Recharge: well ID Monitoring: well ID 34-26 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? Closed Loop Horizontal Vertical 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 2 in. to 15 ft., Diameter in. to ft., Diameter in. to ft. Casing height above land surface 24 in. Weight 70 lbs./ft. Wall thickness or gauge No. SCH 40 TYPE OF SCREEN OR PERFORATION MATERIAL: Steel Stainless Steel Fiberglass PVC Brass Galvanized Steel Concrete tile None used (open hole) 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 25 ft. to 15 ft., From ft. to ft., From ft. to ft. GRAVEL PACK INTERVALS: From 25 ft. to 13 ft., From ft. to ft., From ft. to ft.

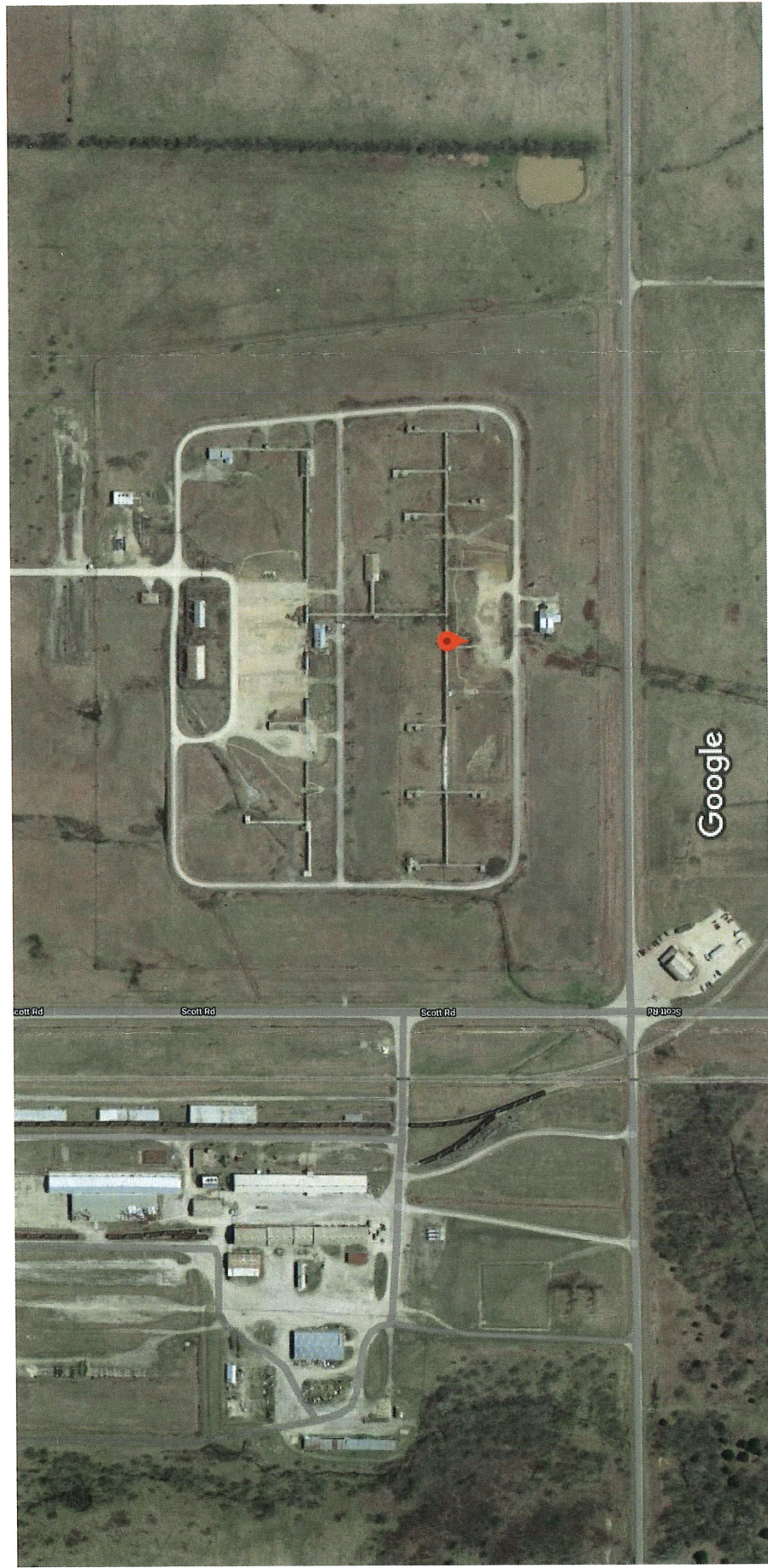
9 GROUT MATERIAL: Neat cement Cement grout Bentonite Other Grout Intervals: From 13 ft. to 0 ft., From ft. to ft., From ft. to ft. Nearest source of possible contamination: Septic Tank Lateral Lines Pit Privy Livestock Pens Insecticide Storage Sewer Lines Cess Pool Sewage Lagoon Fuel Storage Abandoned 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: 0-12 Sandy Clay, 12-25 Shale, Notes:

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) 11-20-19 and this record is true to the best of my knowledge and belief. Kansas Water Well Contractor's License No. 595 This Water Well Record was completed on (mo-day-year) 12-20-19 under the business name of Steven Johnson Signature Steven Johnson

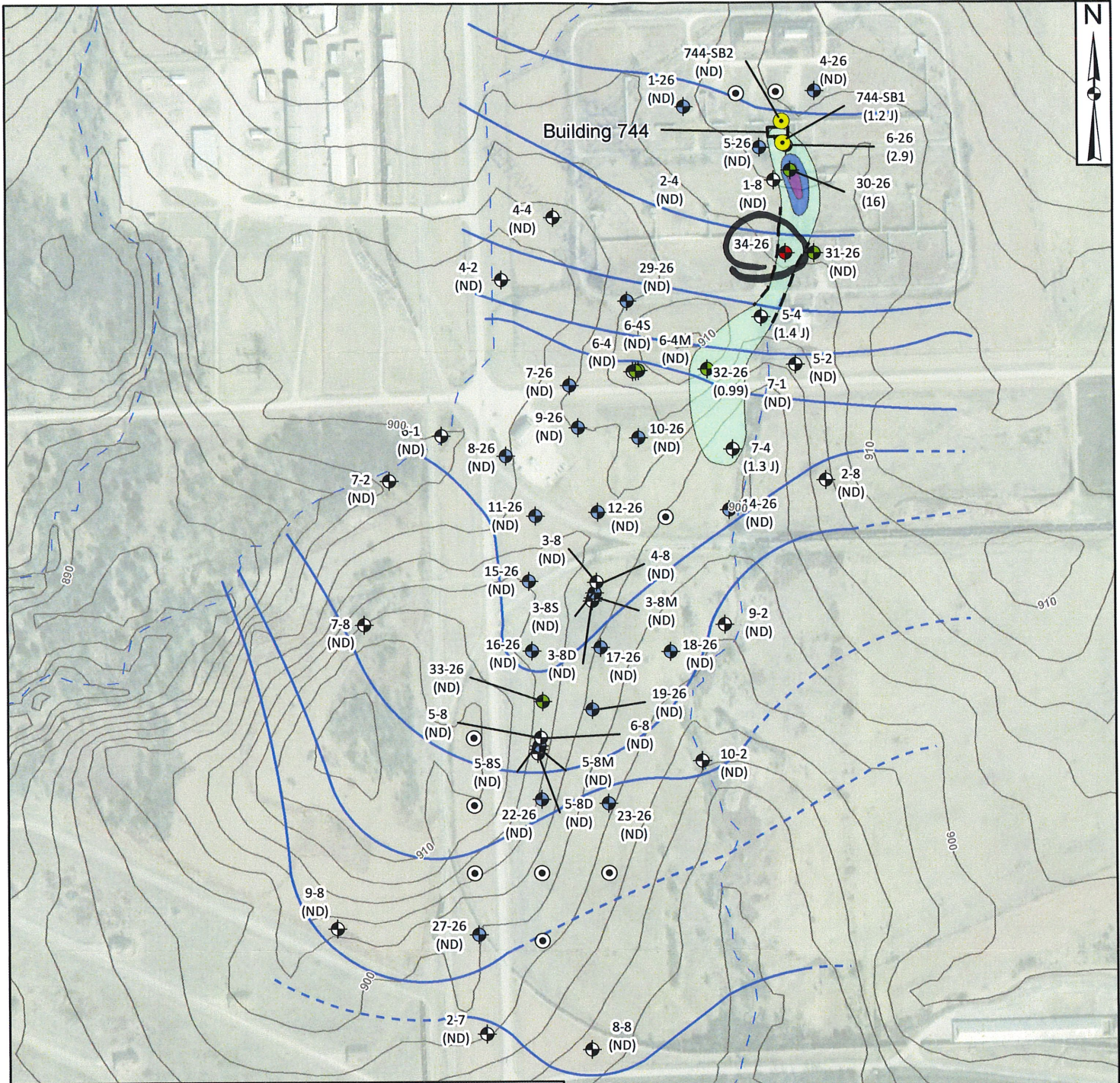


Google Maps 37°18'43.5"N 95°11'25.6"W



Imagery ©2020 Maxar Technologies, USDA Farm Service Agency, Map data ©2020 200 ft

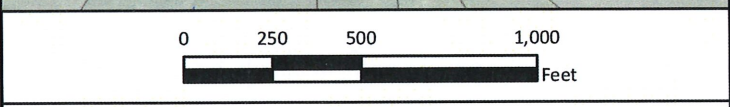




- ◆ Proposed Investigation Well
  - ◆ Long-Term Monitoring (LTM) Well - March 2019 Result (1,2,3-TCP concentration µg/L)
  - ◆ Remediation Investigation Well - February 2018 Resampling Result (1,2,3-TCP concentration µg/L)
  - ◆ Remediation Investigation Well - March 2019 Result (1,2,3 TCP Concentration (µg/L)
  - Phase 2 Boring (dry; no monitoring well)
  - Grab Sample from December 2018 Boring
- |  |  |
|--|--|
| <ul style="list-style-type: none"> <li><span style="color: blue;">—</span> Plume Boundary Inferred</li> <li><span style="color: blue;">—</span> Groundwater Contours (ft am sl) (dashed where inferred)</li> <li><span style="color: grey;">—</span> Topographic Contour (ft amsl)</li> <li><span style="color: blue;">—</span> Stream</li> <li><span style="border: 1px solid black; display: inline-block; width: 15px; height: 10px;"></span> Building 744</li> </ul> | <p><b>1,2,3-TCP Plume</b></p> <ul style="list-style-type: none"> <li><span style="background-color: lightblue; border: 1px solid black; display: inline-block; width: 15px; height: 10px;"></span> 0.5 - 1.5 µg/L</li> <li><span style="background-color: blue; border: 1px solid black; display: inline-block; width: 15px; height: 10px;"></span> 3 - 10 µg/L</li> <li><span style="background-color: purple; border: 1px solid black; display: inline-block; width: 15px; height: 10px;"></span> &gt;10 µg/L</li> </ul> |
|--|--|

Notes:

- 1,2,3-TCP: 1,2,3-trichloropropane, SWMU: solid waste management unit; KSAAP: Kansas Army Ammunition Plant, µg/L: micrograms per liter
- 1,2,3-TCP Action Level is 0.5 µg/L
- Aerial imagery accessed from ArcGIS Online on 4 October 2019; image dates 22 July 2014 and provided by the United States Department of Agriculture Farm Service Agency.
- Dashed plume contours represent less certain areas.



**2018-2019 1,2,3-TCP Plume**

**Groundwater Remediation Pilot Study Additional Pre-Design Investigation Technical Memorandum, 700 Area (SWMU Group 25) Remedial Action, Former Kansas Army Ammunition Plant, Parsons, Kansas**



**Figure**

**3**

FILE: G:\gpa\_projects\kansas\_AAP15\_476\476\Figure2\_TCPResults2019.mxd; 10/4/2019; Resampl\_Plot.mxd