

WATER WELL RECORD Form WWC-5

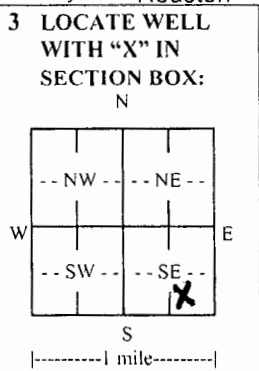
Division of Water Resources App. No.

Well ID MW 13

Original Record Correction Change in Well Use

1 LOCATION OF WATER WELL: County: Wyandotte	Fraction ¼ NW ¼ SE ¼ SE ¼	Section Number 15	Township Number T 11 S	Range Number R 25 <input checked="" type="checkbox"/> E <input type="checkbox"/> W
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2 WELL OWNER: Last Name: Smith First: Jim 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: BP Products North America, Inc. Address: 201 Helios Way; 6th Floor 47-51 Kansas Ave; Kansas City, KS
 Address: City: Houston State: TX ZIP: 77079



4 DEPTH OF COMPLETED WELL: 35 ft.
 Depth(s) Groundwater Encountered: 1) 23 ft.
 2) ft. 3) ft., or 4) Dry Well
 WELL'S STATIC WATER LEVEL: ft.
 below land surface, measured on (mo-day-yr)
 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: 8.5 in. to 35 ft. and
 in. to ft.

5 Latitude: 39.08936 (decimal degrees)
Longitude: -94.61575 (decimal degrees)
 Horizontal Datum: WGS 84 NAD 83 NAD 27
 Source for Latitude/Longitude: etrek
 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: <input type="checkbox"/> Household <input type="checkbox"/> Lawn & Garden <input type="checkbox"/> Livestock 2. <input 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 checked="" type="checkbox"/> Monitoring: well ID MW-13 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):
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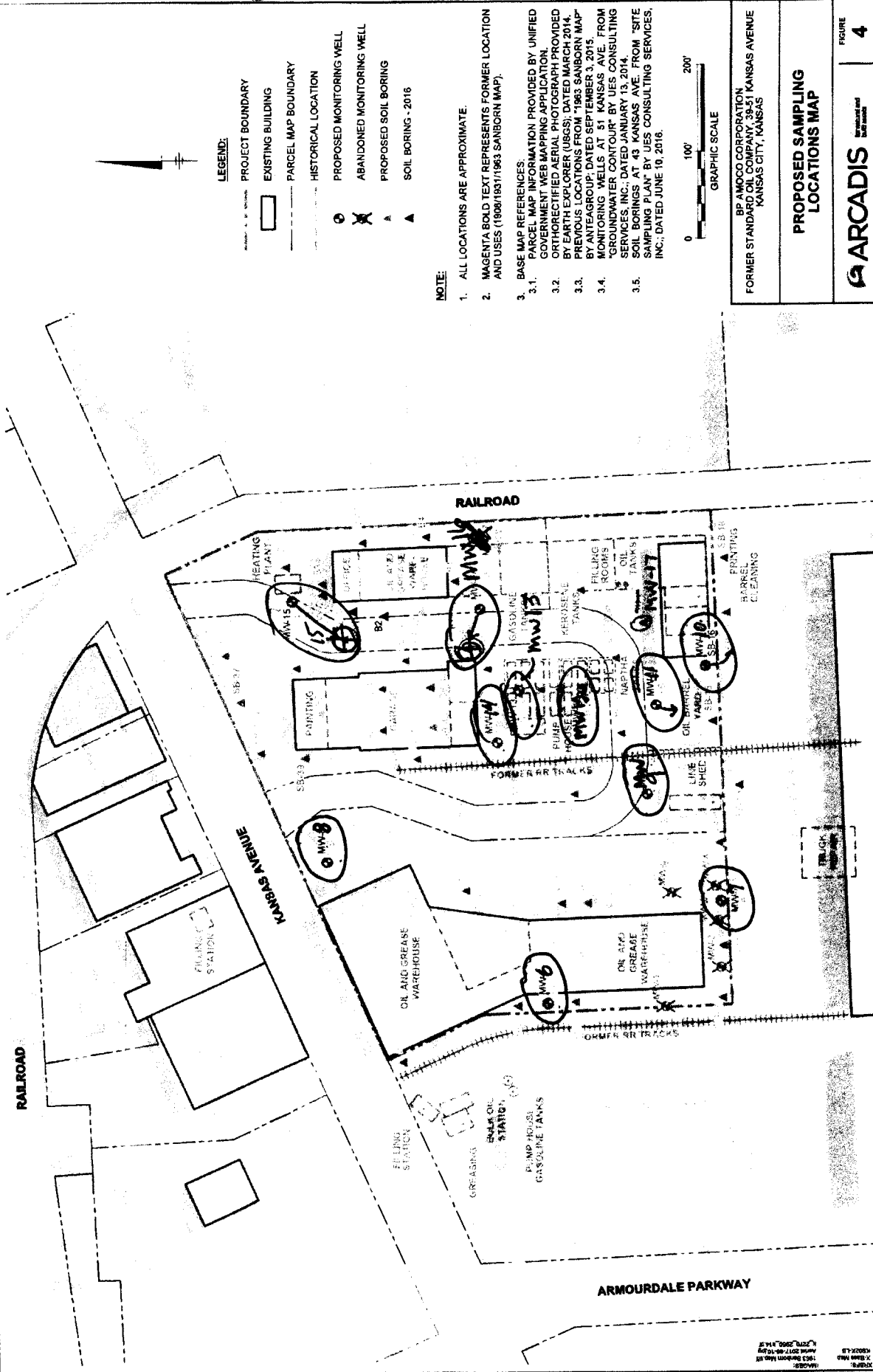
Was a chemical/bacteriological sample submitted to KDHE? Yes No If yes, date sample was submitted:
 Water well disinfected? Yes No

8 TYPE OF CASING USED: Steel 35 PVC Other CASING JOINTS: Glued Clamped Welded Threaded
 Casing diameter 2 in. to 35 ft., Diameter in. to ft., Diameter in. to ft.
 Casing height above land surface -6 in. Weight lbs./ft. Wall thickness or gauge No. 40
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 20 ft. to 35 ft., From ft. to ft., From ft. to ft.
GRAVEL PACK INTERVALS: From 18 ft. to 35 ft., From ft. to ft., From ft. to ft.

9 GROUT MATERIAL: Neat cement Cement grout Bentonite Other
 Grout Intervals: From 2 ft. to 18 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) unknown
 Direction from well? unknown Distance from well? unknown ft.

10 FROM	TO	LITHOLOGIC LOG	FROM	TO	LITHO. LOG (cont.) or PLUGGING INTERVALS
0	0.5	concrete			
0.5	18	Silty clay, brown			
18	35	Sand, fine to coarse grain, gray			
Notes:					

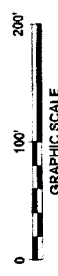
11 CONTRACTOR'S OR LANDOWNER'S CERTIFICATION: This water well was constructed, reconstructed, or plugged under my jurisdiction and was completed on (mo-day-year) 8/13/18 and this record is true to the best of my knowledge and belief. Kansas Water Well Contractor's License No. 710 This Water Well Record was completed on (mo-day-year) 09/01/2018 under the business name of Below Ground Surface, Inc. Signature: *Chris R. [unclear]*



- LEGEND:**
- PROJECT BOUNDARY
 - EXISTING BUILDING
 - PARCEL MAP BOUNDARY
 - HISTORICAL LOCATION
 - PROPOSED MONITORING WELL
 - ABANDONED MONITORING WELL
 - PROPOSED SOIL BORING
 - SOIL BORING - 2016

NOTE:

- ALL LOCATIONS ARE APPROXIMATE.
- MAGENTA BOLD TEXT REPRESENTS FORMER LOCATION AND USES (1908/1931/1963 SANBORN MAP).
- BASE MAP REFERENCES:
 - PARCEL MAP INFORMATION PROVIDED BY UNIFIED GOVERNMENT WEB MAPPING APPLICATION, ORTHORECTIFIED AERIAL PHOTOGRAPH PROVIDED BY EARTH EXPLORER (UBGS); DATED MARCH 2014.
 - PREVIOUS LOCATIONS FROM "1963 SANBORN MAP BY ANTEAGROUP, DATED SEPTEMBER 3, 2015.
 - MONITORING WELLS AT 51 KANSAS AVE. FROM "GROUNDWATER CONTOUR" BY UES CONSULTING SERVICES, INC.; DATED JANUARY 13, 2014.
 - SOIL BORINGS AT 43 KANSAS AVE. FROM "SITE SAMPLING PLAN" BY UES CONSULTING SERVICES, INC.; DATED JUNE 10, 2016.



BY AMOCO CORPORATION
FORMER STANDARD OIL COMPANY, 39-51 KANSAS AVENUE
KANSAS CITY, KANSAS

PROPOSED SAMPLING
LOCATIONS MAP

ARCADIS Environmental & Earth Resources | FIGURE **4**

12 wells total