

WATER WELL RECORD Form WWC-5

Division of Water Resources App. No.

Well ID **MW-176B**

Original Record Correction Change in Well Use

1 LOCATION OF WATER WELL: County: Wilson	Fraction ¼ SE ¼ SE ¼ SE ¼	Section Number 18	Township Number T 30 S	Range Number R 16 <input checked="" type="checkbox"/> E <input type="checkbox"/> W
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2 WELL OWNER: Last Name: BP Products North America Inc Business: BP Products North America Inc Address: 150 West Warrenville Rd., MC-200-IN Address: City: Naperville State: IL ZIP: 60563	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"/> 1215 N 12th St., Neodesha, KS
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3 LOCATE WELL WITH "X" IN SECTION BOX: N <table style="width: 100%; text-align: center; border-collapse: collapse;"> <tr><td style="border: 1px solid black; width: 25px; height: 25px;"></td><td style="border: 1px solid black; width: 25px; height: 25px;"></td></tr> <tr><td style="border: 1px solid black; width: 25px; height: 25px;"></td><td style="border: 1px solid black; width: 25px; height: 25px;"></td></tr> <tr><td style="border: 1px solid black; width: 25px; height: 25px;"></td><td style="border: 1px solid black; width: 25px; height: 25px;"></td></tr> <tr><td style="border: 1px solid black; width: 25px; height: 25px;"></td><td style="border: 1px solid black; width: 25px; height: 25px;"></td></tr> </table> W E S -----1 mile-----									4 DEPTH OF COMPLETED WELL: 21 ft. Depth(s) Groundwater Encountered: 1) ft. 2) ft. 3) ft., or 4) <input type="checkbox"/> Dry Well WELL'S STATIC WATER LEVEL: ft. <input type="checkbox"/> below land surface, measured on (mo-day-yr)..... <input type="checkbox"/> 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: 8.25 in. to 21 ft. and in. to ft.	5 Latitude: 37.429152° (decimal degrees) Longitude: -95.688410° (decimal degrees) Horizontal Datum: <input checked="" type="checkbox"/> WGS 84 <input type="checkbox"/> NAD 83 <input type="checkbox"/> NAD 27 Source for Latitude/Longitude: <input type="checkbox"/> GPS (unit make/model:) (WAAS enabled? <input type="checkbox"/> Yes <input type="checkbox"/> No) <input type="checkbox"/> Land Survey <input type="checkbox"/> Topographic Map <input checked="" type="checkbox"/> Online Mapper: Google Earth 6 Elevation: 812 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 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-176B 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 PVC Other CASING JOINTS: Glued Clamped Welded Threaded
 Casing diameter **2** in. to **21** ft., Diameter in. to ft., Diameter in. to ft.
 Casing height above land surface **0** in. Weight lbs./ft. Wall 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 **11** ft. to **21** ft., From ft. to ft., From ft. to ft.
GRAVEL PACK INTERVALS: From **10** ft. to **21** ft., From ft. to ft., From ft. to ft.

9 GROUT MATERIAL: Neat cement Cement grout Bentonite Other
 Grout Intervals: From **1** ft. to **8** ft., From **8** ft. to **10** 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?

10 FROM	TO	LITHOLOGIC LOG	FROM	TO	LITHO. LOG (cont.) or PLUGGING INTERVALS
0	0.5	topsoil			
0.5	3	silty clay			
3	6.5	clay			
6.5	12.5	silty clay			
12.5	15	clayey sand			
15	20	gravelly clayey sand			
20	21	clay			
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) **9/30/19**..... and this record is true to the best of my knowledge and belief. Kansas Water Well Contractor's License No. **926**..... This Water Well Record was completed on (mo-day-year) **11/21/19**..... under the business name of **Cascade Technical Services**..... Signature *[Signature]*.....

WILSON SESESE sec 18 T30 R16E



LEGEND

MW-178	⊕	MONITORING WELL
17-22 ft		SCREENED INTERVAL IN FEET BELOW GROUND SURFACE
LIF BORINGS		
LIF-18	◆	NO FLUORESCENCE
LIF-26	◆	5% TO 50% RE
LIF-42	◆	51% - 100% RE
LIF-16	◆	>100% RE
—		TRENCH

Aerial: Kansas NG911 High Resolution Ortholmagery- 2014, Surdex Corporation

Sovereign Consulting Inc.
 111-A North Gold Drive
 Robbinsville, NJ 08691
 (609) 259-8200 Fax (609) 259-8288

Project No. BP052 File: 0120_Neo_F2_PDI_BoringWellLoc.dwg Date: 01/15/2020

FIGURE 2
PDI BORING/WELL LOCATIONS
 FORMER AMOCO REFINERY
 BP PRODUCTS NORTH AMERICA INC.
 NEODESHA, KANSAS