

**WATER WELL RECORD Form WWC-5**

Original Record  Correction  Change in Well Use

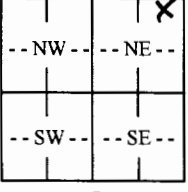
Division of Water Resources App. No.  

Well ID

MW 15

<b>1 LOCATION OF WATER WELL:</b> County: <b>Harvey</b>	Fraction ¼ NE ¼ NE ¼ NE ¼	Section Number <b>20</b>	Township Number <b>T 23 S</b>	Range Number <b>R 1 E W</b>
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<b>2 WELL OWNER:</b> Last Name: <b>First:</b> Business: <b>Total Petroleum Chemicals &amp; Refinery USA, Inc.</b> Address: <b>1201 Louisiana, Suite 1800</b> Address: City: <b>Houston</b> State: <b>TX</b> ZIP: <b>77002</b>	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"/> <b>535 E. 1st St., Newton, KS</b>
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<b>3 LOCATE WELL WITH "X" IN SECTION BOX:</b> N  W E S  -----1 mile-----	<b>4 DEPTH OF COMPLETED WELL:</b> ..... <b>13.5</b> ..... ft. Depth(s) Groundwater Encountered: 1) ..... ft. 2) ..... ft. 3) ..... ft., or 4) <input checked="" type="checkbox"/> <b>Dry Well</b> WELL'S STATIC WATER LEVEL: ..... <b>12.94</b> ..... ft. <input checked="" type="checkbox"/> below land surface, measured on (mo-day-yr)..... <b>7/3/18</b> ..... <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: ..... <b>8.25</b> ..... in. to ..... <b>13.5</b> ..... ft. and ..... in. to ..... ft.	<b>5 Latitude:</b> ..... <b>38.04212</b> ..... (decimal degrees) <b>Longitude:</b> ..... <b>97.33669</b> ..... (decimal degrees) Horizontal Datum: <input checked="" type="checkbox"/> <b>WGS 84</b> <input type="checkbox"/> NAD 83 <input type="checkbox"/> NAD 27 Source for Latitude/Longitude: <input checked="" type="checkbox"/> <b>GPS</b> (unit make/model: <b>garmin c80</b> .....) (WAAS enabled? <input checked="" type="checkbox"/> <b>Yes</b> <input type="checkbox"/> <b>No</b> ) <input type="checkbox"/> Land Survey <input type="checkbox"/> Topographic Map <input type="checkbox"/> Online Mapper: .....
		<b>6 Elevation:</b> ..... 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 type="checkbox"/> Other .....

**7 WELL WATER TO BE USED AS:**

1. Domestic: <input type="checkbox"/> Household <input type="checkbox"/> Lawn & Garden <input type="checkbox"/> Livestock	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"/> <b>Monitoring:</b> well ID ..... <b>MW-15</b> .....	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): .....
2. <input type="checkbox"/> Irrigation	9. Environmental Remediation: well ID ..... <input type="checkbox"/> Air Sparge <input type="checkbox"/> Soil Vapor Extraction <input type="checkbox"/> Recovery <input type="checkbox"/> Injection	
3. <input type="checkbox"/> Feedlot		
4. <input type="checkbox"/> Industrial		

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 ..... **3.5** ..... ft., Diameter ..... in. to ..... ft., Diameter ..... in. to ..... ft.  
Casing height above land surface ..... **-0.3** ..... in. Weight ..... lbs./ft. Wall thickness or gauge No. **Sch. 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 **13.5** ..... ft. to **3.5** ..... ft., From ..... ft. to ..... ft., From ..... ft. to ..... ft.  
GRAVEL PACK INTERVALS: From **13.5** ..... ft. to **2.5** ..... ft., From ..... ft. to ..... ft., From ..... ft. to ..... ft.

**9 GROUT MATERIAL:**  Neat cement  Cement grout  **Bentonite**  Other .....

Grout Intervals: From **2.5** ..... ft. to **1.5** ..... ft., From ..... ft. to ..... ft., From ..... ft. to ..... ft.

**Nearest source of possible contamination:**

<input type="checkbox"/> Septic Tank	<input type="checkbox"/> Lateral Lines	<input type="checkbox"/> Pit Privy	<input type="checkbox"/> Livestock Pens	<input type="checkbox"/> Insecticide Storage
<input type="checkbox"/> Sewer Lines	<input type="checkbox"/> Cess Pool	<input type="checkbox"/> Sewage Lagoon	<input checked="" type="checkbox"/> <b>Fuel Storage</b>	<input type="checkbox"/> Abandoned Water Well
<input type="checkbox"/> Watertight Sewer Lines	<input type="checkbox"/> Seepage Pit	<input type="checkbox"/> Feedyard	<input type="checkbox"/> Fertilizer Storage	<input type="checkbox"/> Oil Well/Gas Well
<input type="checkbox"/> Other (Specify) .....				

Direction from well? ..... Distance from well? ..... ft.

10 FROM	TO	LITHOLOGIC LOG	FROM	TO	LITHO. LOG (cont.) or PLUGGING INTERVALS
0	1	Asphalt/Gravel Base			
1	7	Silty Clay w/ Gypsum layers, Brown			
7	13.5	Weathered Shale, gray			
<b>Notes:</b>					

**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) **7/2/2018** ..... 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) **7/21/2018** ..... under the business name of **Below Ground Surface, Inc.** Signature: *[Signature]*

