

WATER WELL RECORD Form WWC-5

☒ Original Record ☐ Correction ☐ Change in Well Use

Division of Water
Resources App. No.

Well ID

MW-30D-R

1 LOCATION OF WATER WELL: County: McPherson		Fraction SE 1/4 NE 1/4 SE 1/4 SW 1/4	Section Number 22	Township Number T 19 S	Range Number R 3 <input type="checkbox"/> E <input checked="" type="checkbox"/> W
2 WELL OWNER: Last Name: CHS McPherson Refinery Inc. Business: CHS McPherson Refinery Inc. Address: 1391 Iron Horse Road Address: City: McPherson State: KS ZIP: 67460			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"/> 1901 E. First Street, McPherson		
3 LOCATE WELL WITH "X" IN SECTION BOX: N <div style="border: 1px solid black; width: 100px; height: 100px; margin: 0 auto; position: relative;"> <div style="position: absolute; top: 0; left: 0; width: 50%; height: 50%; border-right: 1px solid black; border-bottom: 1px solid black;"></div> <div style="position: absolute; top: 0; left: 50%; width: 50%; height: 50%; border-right: 1px solid black; border-bottom: 1px solid black;"></div> <div style="position: absolute; top: 50%; left: 0; width: 50%; height: 50%; border-right: 1px solid black; border-bottom: 1px solid black;"></div> <div style="position: absolute; top: 50%; left: 50%; width: 50%; height: 50%; border-right: 1px solid black; border-bottom: 1px solid black;"></div> <div style="position: absolute; top: 25%; left: 25%; width: 20%; height: 20%; text-align: center;">X</div> </div> S W E	4 DEPTH OF COMPLETED WELL: 80 ft. Depth(s) Groundwater Encountered: 1) ft. 2) ft. 3) ft., or 4) <input type="checkbox"/> Dry Well WELL'S STATIC WATER LEVEL: 62.7 ft. <input type="checkbox"/> below land surface, measured on (mo-day-yr) 9/2019 <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 in. to 80 ft. and in. to ft.	5 Latitude: 38.378813 (decimal degrees) Longitude: -97.640299 (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: 1496.17 ft. <input checked="" type="checkbox"/> Ground Level <input type="checkbox"/> TOC Source: <input checked="" 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 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-30D-R 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):					
Was a chemical/bacteriological sample submitted to KDHE? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, date sample was submitted: Water well disinfected? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No					
8 TYPE OF CASING USED: <input type="checkbox"/> Steel <input checked="" type="checkbox"/> PVC <input type="checkbox"/> Other CASING JOINTS: <input type="checkbox"/> Glued <input type="checkbox"/> Clamped <input type="checkbox"/> Welded <input checked="" type="checkbox"/> Threaded Casing diameter 2 in. to 70 ft., Diameter in. to ft., Diameter in. to ft. Casing height above land surface -5.16 in. Weight lbs./ft. Wall thickness or gauge No. Sch. 40 TYPE OF SCREEN OR PERFORATION MATERIAL: <input type="checkbox"/> Steel <input type="checkbox"/> Stainless Steel <input type="checkbox"/> Fiberglass <input checked="" type="checkbox"/> PVC <input type="checkbox"/> Other (Specify) <input type="checkbox"/> Brass <input type="checkbox"/> Galvanized Steel <input type="checkbox"/> Concrete tile <input type="checkbox"/> None used (open hole) SCREEN OR PERFORATION OPENINGS ARE: <input type="checkbox"/> Continuous Slot <input checked="" type="checkbox"/> Mill Slot <input type="checkbox"/> Gauze Wrapped <input type="checkbox"/> Torch Cut <input type="checkbox"/> Drilled Holes <input type="checkbox"/> Other (Specify) <input type="checkbox"/> Louvered Shutter <input type="checkbox"/> Key Punched <input type="checkbox"/> Wire Wrapped <input type="checkbox"/> Saw Cut <input type="checkbox"/> None (Open Hole) SCREEN-PERFORATED INTERVALS: From 70 ft. to 80 ft., From ft. to ft., From ft. to ft. GRAVEL PACK INTERVALS: From 68 ft. to 80 ft., From ft. to ft., From ft. to ft.					
9 GROUT MATERIAL: <input type="checkbox"/> Neat cement <input type="checkbox"/> Cement grout <input checked="" type="checkbox"/> Bentonite <input checked="" type="checkbox"/> Other Concrete Grout Intervals: From 0 ft. to 3 ft., From 3 ft. to 68 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 type="checkbox"/> Fuel Storage <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	10	Clay, silty, Black	55	59	Sand, f, silty, Brownish Gray
10	15	Silt, clayey, Reddish Brown, w/caliche	59	70	Silt, Reddish Brown, caliche fragments
15	20	Silt, clayey, Tan-Gray, caliche frags.	70	77	Silt, clayey, Gray
20	35	Sand, silty, Reddish Brown	77	78	Sand, Gray
35	45	Sand	78	78.5	Clay
45	46	Silt, sandy, Gray, caliche frags.	78.5	80	Sand, Black w/Yellow striations
46	48	Silt, clayey, Reddish Brown	Notes:		
48	53	Silt, clayey and sandy, Reddish Brown			
53	55	Silt, sandy and clayey, Reddish Brown			
11 CONTRACTOR'S OR LANDOWNER'S CERTIFICATION: This water well was <input checked="" type="checkbox"/> constructed, <input type="checkbox"/> reconstructed, or <input type="checkbox"/> plugged under my jurisdiction and was completed on (mo-day-year) 8/29/2019 and this record is true to the best of my knowledge and belief. Kansas Water Well Contractor's License No. 527 This Water Well Record was completed on (mo-day-year) 5/15/2020 under the business name of GeoCore, LLC Signature: <i>GeoCore, LLC</i>					

McPherson

22-T19-R3W



Project Site:

CHS McPherson Refinery, Inc., 1901 E. First St., McPherson

GPS Coordinates:

CMW-2D: 38.379498, -97.640145

CMW-3D: 38.378917, -97.639222

CMW-4D: 38.378353, -97.640415

CMW-7D: 38.378977, -97.689616

CMW-7S: 38.378982, -97.639621

MW-30D-R: 38.378813, -97.640299

Note: MW-30S was installed on a previous occasion.