

WATER WELL RECORD Form WWC-5

Division of Water Resources App. No.

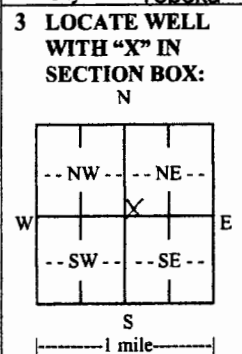
Well ID

NKMW 115

Original Record [X] Correction [] Change in Well Use []

1 LOCATION OF WATER WELL: County: Sedgwick Fraction SW 1/4 SW 1/4 SW 1/4 NE 1/4 Section Number 6 Township Number T 28 S Range Number R 1 [X] E [] W

2 WELL OWNER: Last Name: Business: KDHE - BER Curtis State Building Address: 1000 SW Jackson St., Suite 410 City: Topeka State: KS ZIP: 66612-1367 Street or Rural Address where well is located (if unknown, distance and direction from nearest town or intersection): Approximately 100' E. of intersection of W. Greenfield St. & S. Glenn Ave. on S. side of Greenfield



3 LOCATE WELL WITH 'X' IN SECTION BOX: 4 DEPTH OF COMPLETED WELL: 20 ft. Depth(s) Groundwater Encountered: 1) ... ft. 2) ... ft. 3) ... ft., or 4) [] Dry Well WELLS STATIC WATER LEVEL: 5.80 ft. [] below land surface, measured on (mo-day-yr) 9-12-16. [] 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: 8.75 in. to 20 ft. and ... in. to ... ft.

5 Latitude: N37.64506 (decimal degrees) Longitude: W97.36115 (decimal degrees) Horizontal Datum: [] WGS 84 [X] NAD 83 [] NAD 27 Source for Latitude/Longitude: [] GPS (unit make/model: ... (WAAS enabled? [] Yes [] No) [] Land Survey [] Topographic Map [] Online Mapper: ... 6 Elevation: 1285.45 ft. [] Ground Level [] TOC Source: [X] Land Survey [] GPS [] Topographic Map [] Other ...

7 WELL WATER TO BE USED AS: 1. Domestic: [] Household [] Lawn & Garden [] Livestock 2. [] Irrigation 3. [] Feedlot 4. [] Industrial 5. [] Public Water Supply: well ID ... 6. [] Dewatering: how many wells? ... 7. [] Aquifer Recharge: well ID ... 8. [X] Monitoring: well ID NKMW-115 9. 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? ... a) Closed Loop [] Horizontal [] Vertical b) Open Loop [] Surface Discharge [] Inj. of Water 13. [] Other (specify): ...

Was a chemical/bacteriological sample submitted to KDHE? [] Yes [X] No If yes, date sample was submitted: ... Water well disinfected? [] Yes [X] No

8 TYPE OF CASING USED: [] Steel [X] PVC [] Other CASING JOINTS: [] Glued [] Clamped [] Welded [X] Threaded Casing diameter 2 in. to 9.76 ft., Diameter ... in. to ... ft., Diameter ... in. to ... ft. Casing height above land surface 0 in. Weight ... lbs./ft. Wall thickness or gauge No. Sch 40

TYPE OF SCREEN OR PERFORATION MATERIAL: [] Steel [] Stainless Steel [] Fiberglass [X] PVC [] Brass [] Galvanized Steel [] Concrete tile [] None used (open hole) [] Other (Specify) ... SCREEN OR PERFORATION OPENINGS ARE: [] Continuous Slot [X] 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 9.76 ft. to 19.76 ft., From ... ft. to ... ft., From ... ft. to ... ft. GRAVEL PACK INTERVALS: From 7 ft. to 20 ft., From ... ft. to ... ft., From ... ft. to ... ft.

9 GROUT MATERIAL: [] Neat cement [] Cement grout [X] Bentonite [] Other Grout intervals: From 0 ft. to 7 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 columns: 10 FROM, TO, LITHOLOGIC LOG, FROM, TO, LITHO. LOG (cont.) or PLUGGING INTERVALS. Row 1: 0, 10, Silty Clay, dark gray brown, damp. Row 2: 10, 20, Sandy clay, brown, wet. Notes: ...

11 CONTRACTOR'S OR LANDOWNER'S CERTIFICATION: This water well was [X] constructed, [] reconstructed, or [] plugged under my jurisdiction and was completed on (mo-day-year) 8-31-16 and this record is true to the best of my knowledge and belief. Kansas Water Well Contractor's License No. 604. This Water Well Record was completed on (mo-day-year) 11/18/16 under the business name of Environmental Priority Service, Inc. Signature [Handwritten]



Burns & McDonnell
9400 Ward Parkway
Kansas City, MO 64114

October 6, 2016
Job # 16-09-240
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**SURVEYING OF MONITORING WELLS
KDHE - West Pawnee Site - 93671
2559 W. Pawnee
WICHITA, SEDGWICK COUNTY, KANSAS**

The above site is located in Section 1 of T28S, R1W & Sections 5 & 6 of T28S, R1E of the Sixth Principal Meridian, Sedgwick County, Kansas.

Horizontal Coordinates are in Nad83 State Plane Kansas South Zone 1502.
Coordinates are derived from the City of Wichita CORS Network.

Vertical Control #1: COW Brass Disk located in the East Right-of-Way of Meridian Ave. and the North Right-of-Way of 27th St. South NGVD29 Datum Elevation of 1287.02'....Utilizing NGS's "VERTCON" elevations were adjusted to NAVD88 Datum elevation of 1287.49'

Vertical Control #2: COW Brass Disk located on the Hubguard at the Southwest corner of the bridge over the Arkansas River on Pawnee Ave NGVD29 Datum Elevation of 1292.27'....Utilizing NGS's "VERTCON" elevations were adjusted to NAVD88 Datum elevation of 1292.74'

The coordinates and elevations for the requested wells are listed on the following page of this report.



Brian L. Peltier
Kansas PS#1517



Burns & McDonnell
 9400 Ward Parkway
 Kansas City, MO 64114

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SURVEYING OF MONITORING WELLS
KDHE - West Pawnee Site - 93671
2559 W. Pawnee
WICHITA, SEDGWICK COUNTY, KANSAS

Well ID	NORTHING (NAD83 KS S) Latitude DD	EASTING (NAD83 KS S) Longitude DD	ELEV (NAVD88)	
NKMW-04S	1672074.76 N37.64918	1639837.66 W97.36876	1288.69 1289.06	TOC Bolt
NKMW-04D	1672074.93 N37.64918	1639842.52 W97.36874	1288.56 1288.96	TOC Bolt
NKMW-05S	1672037.73 N37.64909	1639638.21 W97.36945	1288.70 1289.00	TOC Hex Bolt
NKMW-05D	1672037.78 N37.64909	1639633.62 W97.36946	1288.66 1288.92	TOC Hex Bolt
NKMW-06S	1671271.63 N37.64693	1641180.74 W97.36415	1286.67 1286.99	TOC Bolt
NKMW-06D	1671268.92 N37.64692	1641182.44 W97.36415	1286.72 1287.01	TOC Bolt
NKMW-07S	1671021.53 N37.64625	1641051.65 W97.36461	1286.67 1287.07	TOC Bolt
NKMW-07D	1671019.35 N37.64624	1641054.20 W97.36460	1286.64 1287.08	TOC Bolt
NKMW-08S	1671075.81 N37.64640	1640869.03 W97.36524	1286.28 1286.56	TOC Bolt

Merestone Surveying
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 Andover, KS 67002
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Sec. 6 T28S R1E
 Sec. 1 T28S R1W

DRAFT

Path: \\bmcd\dfs\Clients\ENV\KDH\93671_WestPawnee\GIS\Studies\Geospatial\ArcDocs\Figure4_4_Piezo_Shallow_Wells_Map_103.mxd
 COPYRIGHT © 2015 BURNS & MCDONNELL ENGINEERING COMPANY, INC.



<p>Legend</p> <ul style="list-style-type: none"> ◆ West Pawnee Monitoring Well ◆ Air Capitol Monitoring Well ◆ LUST Monitoring Well ◆ Ice Masters Monitoring Well → Groundwater Flow Direction 1281 Piezometric Contour 	<p>0 250 500 Feet</p> <p>N</p>		<p>Figure 4-4 Piezometric Surface Map (Shallow) West Pawnee Site ISL C2-087-73372 S. Meridian Ave & W. Pawnee Ave. Wichita, Kansas</p>
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Issued: October, 13 2016

Source: ESRI and Burns & McDonnell Engineering.