

**WATER WELL RECORD Form WWC-5**

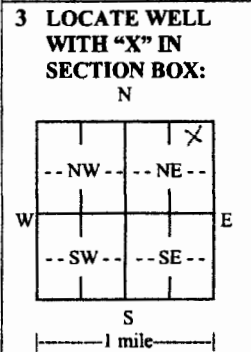
Division of Water Resources App. No.  

Well ID NKMW01D

Original Record  Correction  Change in Well Use

|   |                                 |                     |                           |  |
|---|---------------------------------|---------------------|---------------------------|--|
| <b>1 LOCATION OF WATER WELL:</b><br>County: Sedwick | Fraction<br>NW ¼ NE ¼ NE ¼ NE ¼ | Section Number<br>1 | Township Number<br>T 28 S | Range Number<br>R 1 <input type="checkbox"/> E <input checked="" type="checkbox"/> W |
|---|---------------------------------|---------------------|---------------------------|--|

|   |   |
|---|---|
| <b>2 WELL OWNER:</b> Last Name: KDHE - BER Curtis State Office Building<br>Address: 1000 SW Jackson St. Suite 410<br>Address:<br>City: Topeka State: KS ZIP: 66612-1367 | First: Building<br>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"/><br>KDHE - West Pawnee Site, 2559 West Pawnee, Wichita, Ks. |
|---|---|



**4 DEPTH OF COMPLETED WELL:** ..... 50 ..... ft.

Depth(s) Groundwater Encountered: 1) ..... ft.  
 2) ..... ft. 3) ..... ft., or 4)  Dry Well

**WELL'S STATIC WATER LEVEL:** ..... 7.90 ..... 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 ..... ft. and  
 ..... in. to ..... ft.

**5 Latitude:** ..... 37.65124 ..... (decimal degrees)  
**Longitude:** ..... 97.37238 ..... (decimal degrees)  
**Horizontal Datum:**  WGS 84  NAD 83  NAD 27  
**Source for Latitude/Longitude:**  
 GPS (unit make/model: .....)  
 (WAAS enabled?  Yes  No)  
 Land Survey  Topographic Map  
 Online Mapper: .....

**6 Elevation:** 1289.97 ..... ft.  Ground Level  TOC  
**Source:**  Land Survey  GPS  Topographic Map  
 Other .....

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

|   |  |   |
|---|--|---|
| 1. Domestic:<br><input type="checkbox"/> Household<br><input type="checkbox"/> Lawn & Garden<br><input type="checkbox"/> Livestock<br>2. <input type="checkbox"/> Irrigation<br>3. <input type="checkbox"/> Feedlot<br>4. <input type="checkbox"/> Industrial | 5. <input type="checkbox"/> Public Water Supply: well ID .....                                 | 10. <input type="checkbox"/> Oil Field Water Supply: lease .....                                      |
| 6. <input type="checkbox"/> Dewatering: how many wells? .....   | 11. Test Hole: well ID .....   | <input type="checkbox"/> Cased <input type="checkbox"/> Uncased <input type="checkbox"/> Geotechnical |
| 7. <input type="checkbox"/> Aquifer Recharge: well ID .....   | 12. Geothermal: how many bores? .....  | a) Closed Loop <input type="checkbox"/> Horizontal <input type="checkbox"/> Vertical                  |
| 8. <input checked="" type="checkbox"/> Monitoring: well ID NKMW-01D   | b) Open Loop <input type="checkbox"/> Surface Discharge <input type="checkbox"/> Inj. of Water | 13. <input type="checkbox"/> Other (specify): .....   |
| 9. Environmental Remediation: well ID .....   | <input type="checkbox"/> Air Sparge <input type="checkbox"/> Soil Vapor Extraction             |   |
| <input type="checkbox"/> Recovery <input type="checkbox"/> Injection  |  |   |

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 ..... 37.76 ..... 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  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 ..... 37.76 ..... ft. to ..... 47.76 ..... ft., From ..... ft. to ..... ft., From ..... ft. to ..... ft.  
**GRAVEL PACK INTERVALS:** From ..... 35 ..... ft. to ..... 50.45 ..... ft., From ..... ft. to ..... ft., From ..... ft. to ..... ft.

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

Grout Intervals: From ..... 0 ..... ft. to ..... 35 ..... 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 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       | 8  | Clay, brown-yellow brown, damp, stiff, plastic | 49   | 50 | Shale, black, weathered                  |
| 8       | 12 | Clay, dark gray brown, silty, moist            |      |    |  |
| 12      | 16 | Sand, gray brown, fine, wet                    |      |    |  |
| 16      | 18 | Sand, gray brown, fine to coarse, loose        |      |    |  |
| 18      | 32 | Sand, gray brown, fine to medium, wet          |      |    |  |
| 32      | 39 | Sand, yellow brown, fine to coarse, wet        |      |    |  |
| 39      | 49 | Sand, dark gray, fine to medium, poorly graded |      |    |  |

**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) 8-25-2016 ..... 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) 11/19/16 ..... under the business name of Environmental Priority Service, Inc. Signature *[Signature]*

Mail 1 white copy along with a fee of \$5.00 for each constructed well to: Kansas Department of Health and Environment, Bureau of Water, GWTS Section, 1000 SW Jackson St., Suite 420, Topeka, Kansas 66612-1367. Mail one to Water Well Owner and retain one for your records. Telephone 785-296-5524.

Visit us at [www.kdheks.gov/waterwell/index.html](http://www.kdheks.gov/waterwell/index.html) KSA 82a-1212 Revised 7/10/2015

**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

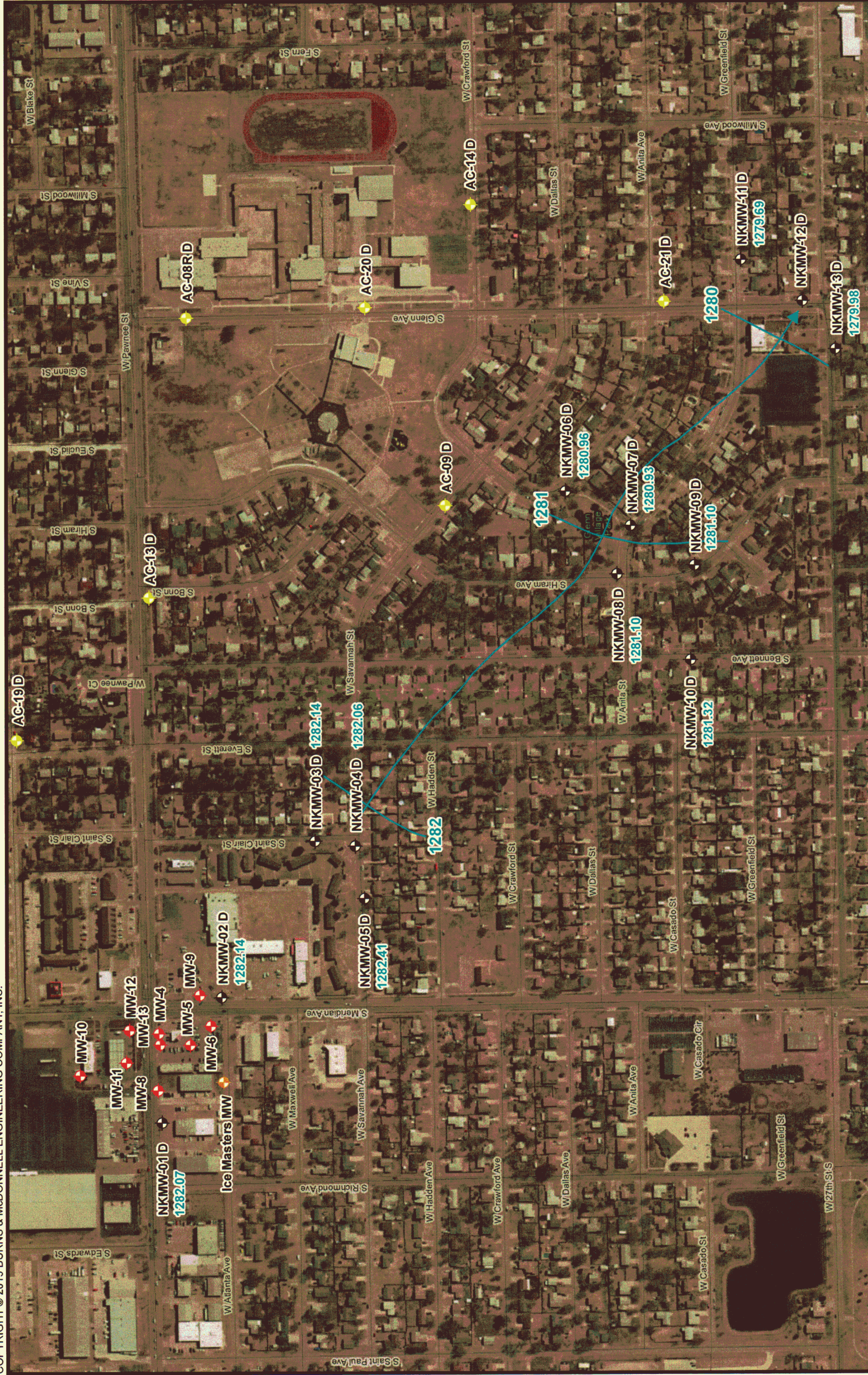
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





| <b>Well ID</b>                | <b>NORTHING<br/>(NAD83 KS S)<br/>Latitude DD</b> | <b>EASTING<br/>(NAD83 KS S)<br/>Longitude DD</b> | <b>ELEV<br/>(NAVD88)</b> |              |
|-------------------------------|--|--|--------------------------|--------------|
| Site BM #1<br>City Brass Disk | 1670256.59<br>N37.64421                          | 1639299.19<br>W97.37069                          | 1287.49                  | Site Control |
| Site BM #2<br>City Brass Disk | 1672995.97<br>N37.65150                          | 1646064.63<br>W97.34721                          | 1292.74                  | Site Control |
| NKMW-01S                      | 1672811.37<br>N37.65124                          | 1638789.04<br>W97.37235                          | 1289.87<br>1290.17       | TOC<br>Bolt  |
| NKMW-01I                      | 1672811.10<br>N37.65124                          | 1638784.85<br>W97.37236                          | 1289.75<br>1290.18       | TOC<br>Bolt  |
| NKMW-01D                      | 1672810.97<br>N37.65124                          | 1638780.31<br>W97.37238                          | 1289.97<br>1290.24       | TOC<br>Bolt  |
| NKMW-02S                      | 1672584.27<br>N37.65060                          | 1639262.63<br>W97.37072                          | 1289.55<br>1289.95       | TOC<br>Bolt  |
| NKMW-02I                      | 1672580.83<br>N37.65059                          | 1639262.46<br>W97.37072                          | 1289.60<br>1289.97       | TOC<br>Bolt  |
| NKMW-02D                      | 1672576.95<br>N37.65058                          | 1639261.69<br>W97.37073                          | 1289.56<br>1290.02       | TOC<br>Bolt  |
| NKMW-03S                      | 1672227.57<br>N37.64960                          | 1639854.76<br>W97.36869                          | 1288.11<br>1288.46       | TOC<br>Bolt  |
| NKMW-03D                      | 1672232.45<br>N37.64961                          | 1639854.71<br>W97.36869                          | 1288.14<br>1288.41       | TOC<br>Bolt  |

Sec. 6 T28S R1E  
 Sec. 1 T28S R1W

DRAFT

Path: \\bmod\dfs\clients\EN\KDH\93671\_WestPawnee\GIS\Studies\Geospatial\ArcDocs\Figure4\_5\_Piezo\_Deep\_Wells\_Map\_103.mxd  
 COPYRIGHT © 2015 BURNS & McDONNELL ENGINEERING COMPANY, INC.



|  |  |  |  |
|--|--|--|--|
| <p><b>Legend</b></p> <ul style="list-style-type: none"> <li> West Pawnee Monitoring Well</li> <li> Air Capitol Monitoring Well</li> <li> LUST Monitoring Well</li> <li> Ice Masters Monitoring Well</li> <li> Groundwater Flow Direction</li> <li> 1281 Piezometric Contour</li> </ul> | <p>0 250 500 Feet</p> <p style="text-align: center;">N</p>  <p style="text-align: right; font-size: small;">Source: ESRI and Burns &amp; McDonnell Engineering.</p> | <p style="text-align: center;"><b>BURNS<br/>       &amp; McDONNELL</b></p> | <p style="text-align: center;">Figure 4-5<br/>       Piezometric Surface Map (Deep)<br/>       West Pawnee Site<br/>       ISL C2-087-73372<br/>       S. Meridian Ave &amp; W. Pawnee Ave.<br/>       Wichita, Kansas</p> |
|--|--|--|--|

Issued: October, 13 2016