

WATER WELL RECORD MW 21C Form WWC-5

Division of Water Resources App. No.

1 LOCATION OF WATER WELL: County: <u>SALINE</u>		Fraction <u>SE 1/4 SW 1/4 NW 1/4</u> 1/4		Section Number <u>12</u>	Township No. <u>T 14 S</u>	Range Number <u>R 3 E</u> <input checked="" type="checkbox"/> W																																																																								
Street/Rural Address of Well Location; if unknown, distance & direction from nearest town or intersection: If at owner's address, check here <input type="checkbox"/> <u>501 N. Santa Fe</u> <u>Salina KS 67401</u>				Global Positioning System (GPS) information: Latitude: <u>38° 50' 56" N</u> (in decimal degrees) Longitude: <u>97° 36' 35" W</u> (in decimal degrees) Elevation: <u>1222'</u> Datum: <input type="checkbox"/> WGS 84, <input type="checkbox"/> NAD 83, <input type="checkbox"/> NAD 27 Collection Method: <input type="checkbox"/> GPS unit (Make/Model: <u>I-Phone</u>) <input type="checkbox"/> Digital Map/Photo, <input type="checkbox"/> Topographic Map, <input type="checkbox"/> Land Survey Est. Accuracy: <input type="checkbox"/> <3 m, <input type="checkbox"/> 3-5 m, <input type="checkbox"/> 5-15 m, <input type="checkbox"/> >15 m																																																																										
2 WATER WELL OWNER: RR#, Street Address, Box #: <u>MATAPON CATTLE CO.</u> City, State, ZIP Code: <u>411 E. 37th St. North</u> <u>Wichita KS 67220</u>																																																																														
3 LOCATE WELL WITH AN "X" IN SECTION BOX: N <div style="display: flex; align-items: center; justify-content: center;"> <div style="text-align: center; margin-right: 10px;">W</div> <table border="1" style="border-collapse: collapse; text-align: center;"> <tr> <td style="width: 20px;">NW</td> <td style="width: 20px;">NE</td> </tr> <tr> <td style="font-size: 2em;">X</td> <td></td> </tr> <tr> <td style="width: 20px;">SW</td> <td style="width: 20px;">SE</td> </tr> </table> <div style="text-align: center; margin-left: 10px;">E</div> </div> <div style="text-align: center; margin-top: 10px;">S 1 mile</div>		NW	NE	X		SW	SE	4 DEPTH OF COMPLETED WELL <u>58'</u> ft. Depth(s) Groundwater Encountered (1)..... ft. (2)..... ft. (3)..... ft. WELL'S STATIC WATER LEVEL <u>32'</u> ft. below land surface measured on mo/day/yr. <u>9/13/2014</u> Pump test data: Well water was..... ft. after..... hours pumping..... gpm EST. YIELD..... gpm. Well water was..... ft. after..... hours pumping..... gpm Bore Hole Diameter <u>6"</u> in. to <u>58'</u> ft. and..... in. to..... ft. WELL WATER TO BE USED AS: <input type="checkbox"/> Public water supply <input type="checkbox"/> Geothermal <input type="checkbox"/> Injection well <input type="checkbox"/> Domestic <input type="checkbox"/> Feedlot <input type="checkbox"/> Oil field water supply <input type="checkbox"/> Dewatering <input type="checkbox"/> Other (Specify below) <input type="checkbox"/> Irrigation <input type="checkbox"/> Industrial <input type="checkbox"/> Domestic-lawn & garden <input checked="" type="checkbox"/> Monitoring well Was a chemical/bacteriological sample submitted to Department? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, mo/day/yr sample was submitted..... Water well disinfected? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No																																																																						
NW	NE																																																																													
X																																																																														
SW	SE																																																																													
5 TYPE OF CASING USED: <input checked="" type="checkbox"/> Steel <input 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 <u>2"</u> in. to <u>53'</u> ft., Diameter..... in. to..... ft., Diameter..... in. to..... ft. Casing height above land surface <u>0'</u> in., Weight..... lbs./ft., Wall thickness or gauge No. TYPE OF SCREEN OR PERFORATION MATERIAL: <input type="checkbox"/> Steel <input checked="" type="checkbox"/> Stainless Steel <input type="checkbox"/> PVC <input type="checkbox"/> Other (Specify)..... <input type="checkbox"/> Brass <input type="checkbox"/> Galvanized Steel <input type="checkbox"/> None used (open hole) SCREEN OR PERFORATION OPENINGS ARE: <input checked="" type="checkbox"/> Continuous slot <input type="checkbox"/> Mill slot <input type="checkbox"/> Gauze wrapped <input type="checkbox"/> Torch cut <input type="checkbox"/> Drilled holes <input type="checkbox"/> None (open hole) <input type="checkbox"/> Louvered shutter <input type="checkbox"/> Key punched <input type="checkbox"/> Wire wrapped <input type="checkbox"/> Saw cut <input type="checkbox"/> Other (specify)..... SCREEN-PERFORATED INTERVALS: From..... <u>53'</u> ft. to..... <u>58'</u> ft., From..... ft. to..... ft. From..... ft. to..... ft., From..... ft. to..... ft. GRAVEL PACK INTERVALS: From..... <u>50'</u> ft. to..... <u>58'</u> ft., From..... ft. to..... ft. From..... ft. to..... ft., From..... ft. to..... ft.																																																																														
6 GROUT MATERIAL: <input checked="" type="checkbox"/> Neat cement <input type="checkbox"/> Cement grout <input type="checkbox"/> Bentonite <input type="checkbox"/> Other..... Grout Intervals: From..... <u>0'</u> ft. to..... <u>50'</u> ft., From..... ft. to..... ft., From..... ft. to..... ft. What is the 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 checked="" type="checkbox"/> Other (specify below) <input type="checkbox"/> Sewer lines <input type="checkbox"/> Cesspool <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 <u>N/A</u> Direction from well..... Distance from well.....																																																																														
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:10%;">FROM</th> <th style="width:10%;">TO</th> <th style="width:40%;">LITHOLOGIC LOG</th> <th style="width:10%;">FROM</th> <th style="width:10%;">TO</th> <th style="width:20%;">LITHO. LOG (cont.) or PLUGGING INTERVALS</th> </tr> </thead> <tbody> <tr> <td><u>0'</u></td> <td><u>6"</u></td> <td><u>concrete</u></td> <td></td> <td></td> <td></td> </tr> <tr> <td><u>6'</u></td> <td><u>27'</u></td> <td><u>Brown silty clay / clay</u></td> <td></td> <td></td> <td></td> </tr> <tr> <td><u>27'</u></td> <td><u>58'</u></td> <td><u>sand</u></td> <td></td> <td></td> <td></td> </tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> </tbody> </table>							FROM	TO	LITHOLOGIC LOG	FROM	TO	LITHO. LOG (cont.) or PLUGGING INTERVALS	<u>0'</u>	<u>6"</u>	<u>concrete</u>				<u>6'</u>	<u>27'</u>	<u>Brown silty clay / clay</u>				<u>27'</u>	<u>58'</u>	<u>sand</u>																																																			
FROM	TO	LITHOLOGIC LOG	FROM	TO	LITHO. LOG (cont.) or PLUGGING INTERVALS																																																																									
<u>0'</u>	<u>6"</u>	<u>concrete</u>																																																																												
<u>6'</u>	<u>27'</u>	<u>Brown silty clay / clay</u>																																																																												
<u>27'</u>	<u>58'</u>	<u>sand</u>																																																																												
7 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) <u>9/13/2014</u> and this record is true to the best of my knowledge and belief. Kansas Water Well Contractor's License No. <u>793</u> This Water Well Record was completed on (mo/day/year) <u>9/24/14</u> under the business name of <u>Canoy Pump Service</u> by (signature) <u>[Signature]</u>																																																																														
INSTRUCTIONS: Use typewriter or ball point pen. PLEASE PRESS FIRMLY and PRINT clearly. Please fill in blanks and check the correct answers. Send three copies (white, blue, pink) to Kansas Department of Health and Environment, Bureau of Water, Geology Section, 1000 SW Jackson St., Suite 420, Topeka, Kansas 66612-1367. Telephone 785-296-5524. Send one copy to WATER WELL OWNER and retain one for your records. Include fee of \$5.00 for each constructed well. Visit us at http://www.kdheks.gov/waterwell/index.html .																																																																														

July 15 2014



APEGA Permit to Practice P08178

GENERAL NOTES:

1. SURFACE EQUIPMENT LOCATIONS APPROXIMATE
2. ELECTRODES REQUIRE 25 CM [10"] BORE
3. EXTRACTORS REQUIRE 15 CM [6"] BORE
4. SENSOR WELLS REQUIRE 5 CM [2"] DROP TUBE, MIN. BORE SIZE 10 CM [4"]
5. THIS DRAWING REPLACES THE FIGURE OF 08/25/2014 USED FOR SURVEYING
6. FIFTEEN LOCATIONS HAVE CHANGED SINCE THE SURVEY WAS COMPLETED
7. T-82, X0-B1, X0-A2, X0-B1, X0-B2, X0-C1, X0-C4, X0-C5, X0-D1, X0-D4, X0-D5, X0-D6, X0-D7, X0-E4, X0-E6 (REFER TO TABLE ON SHEET)

PREPARED UNDER THE SUPERVISION AND CONTROL OF

LEGEND

- ET-DSP ELECTRODE LOCATION [26]
- TEMPERATURE SENSOR WELLS [6]
- TEMPERATURE/ PRESSURE/ VACUUM SENSOR WELLS [2]
- SHALLOW EXTRACTION WELLS [30]
- DEEP EXTRACTION WELLS [22]
- UPGRADED EXTRACTION WELLS [1]
- EXISTING WELLS/VACUUM MONITORING POINTS [3]
- EXISTING WELLS/PRESSURE SENSOR WELLS [3]

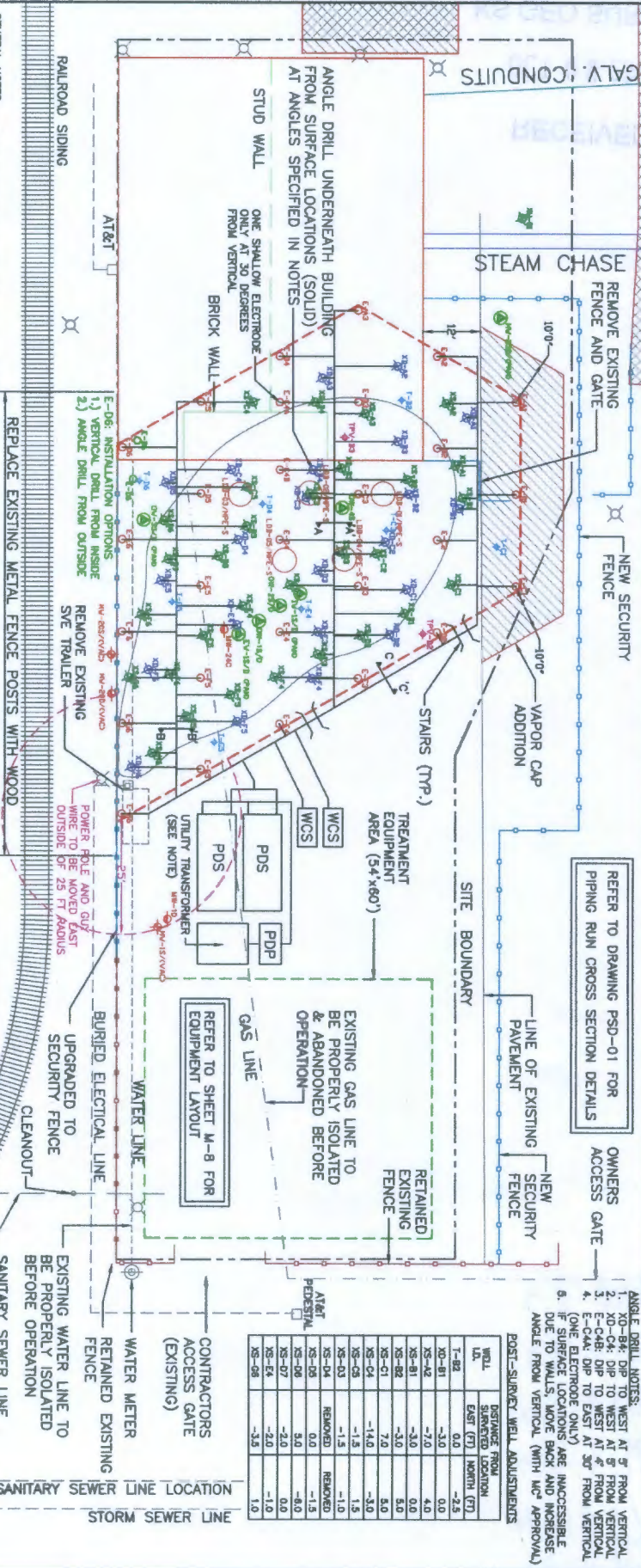
LEGEND

- TARGET CONTAMINATED AREA (3,386 FT²)
- ET-DSP (TW) TREATMENT AREA (3,039 FT²)
- ANGLE DRILL FROM LOCATION AT SURFACE (SOLID)
- ANGLE DRILL FROM BOTTOM OF BOREHOLE (DASHED)
- TELEPHONE POLE
- GW - GROUND WATER
- PS - POWER DISTRIBUTION SYSTEM
- PP - POWER DISTRIBUTION PANEL
- WCS - WATER CONTROL SYSTEM
- WATER LINE
- STORM SEWER LINE
- GAS LINE
- BURIED ELECTRICAL LINE
- SANITARY SEWER
- SITE BOUNDARY

WELL FIELD LAYOUT

ARCADIS
501 North Santa Fe Site
SALINA, KANSAS

WFL-01



REFER TO DRAWING PSD-01 FOR
PIPING RUN CROSS SECTION DETAILS

OWNERS
ACCESS GATE

- ANGLE DRILL NOTES:
1. X0-B4 DIP TO WEST AT 5° FROM VERTICAL
 2. X0-C4 DIP TO WEST AT 5° FROM VERTICAL
 3. X0-D4 DIP TO WEST AT 5° FROM VERTICAL
 4. X0-E4 DIP TO WEST AT 5° FROM VERTICAL
 5. IF SURFACE LOCATIONS ARE INACCESSIBLE DUE TO WALLS, MOVE BACK AND INCREASE ANGLE FROM VERTICAL (WITH MGR APPROVAL)

POST-SURVEY WELL ADJUSTMENTS

WELL	DATE	DISTANCE FROM	LOCATION
WELL	DATE	EAST (FT)	NORTH (FT)
T-82	0.0	-2.5	-2.5
X0-B1	-3.0	0.0	0.0
X0-B2	-7.0	0.0	0.0
X0-B3	-3.0	0.0	0.0
X0-B4	-3.0	0.0	0.0
X0-B5	-3.0	0.0	0.0
X0-B6	-3.0	0.0	0.0
X0-B7	-3.0	0.0	0.0
X0-B8	-3.0	0.0	0.0
X0-B9	-3.0	0.0	0.0
X0-B10	-3.0	0.0	0.0
X0-B11	-3.0	0.0	0.0
X0-B12	-3.0	0.0	0.0
X0-B13	-3.0	0.0	0.0
X0-B14	-3.0	0.0	0.0
X0-B15	-3.0	0.0	0.0
X0-B16	-3.0	0.0	0.0
X0-B17	-3.0	0.0	0.0
X0-B18	-3.0	0.0	0.0
X0-B19	-3.0	0.0	0.0
X0-B20	-3.0	0.0	0.0
X0-B21	-3.0	0.0	0.0
X0-B22	-3.0	0.0	0.0
X0-B23	-3.0	0.0	0.0
X0-B24	-3.0	0.0	0.0
X0-B25	-3.0	0.0	0.0
X0-B26	-3.0	0.0	0.0
X0-B27	-3.0	0.0	0.0
X0-B28	-3.0	0.0	0.0
X0-B29	-3.0	0.0	0.0
X0-B30	-3.0	0.0	0.0