

WATER WELL RECORD *XD-F4* Form WWC-5

Division of Water Resources App. No.

1 LOCATION OF WATER WELL: County: <i>SALINE</i> 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"/> . <i>501 N. SANTE FE SALINA KS 67401</i>	Fraction <i>SE 1/4 SW 1/4 NW 1/4 1/4</i>	Section Number <i>12</i>	Township No. T <i>14</i> <i>8</i>	Range Number R <i>3</i> <input type="checkbox"/> E <input checked="" type="checkbox"/> W
2 WATER WELL OWNER: RR#, Street Address, Box #: <i>MATADON CATTLE CO. 4111 E. 37TH ST. NORTH WICHITA, KS 67220</i> City, State, ZIP Code		Global Positioning System (GPS) information: Latitude: <i>38° 50' 56" N</i> (in decimal degrees) Longitude: <i>97° 36' 35" W</i> (in decimal degrees) Elevation: <i>1222'</i> 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: <i>T. Photo</i>) <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		

3 LOCATE WELL WITH AN "X" IN SECTION BOX: N <table border="1" style="width: 100%; text-align: center; border-collapse: collapse;"> <tr> <td style="width: 25%;">NW</td> <td style="width: 25%;">NE</td> </tr> <tr> <td style="width: 25%; text-align: center;">X</td> <td style="width: 25%;"></td> </tr> <tr> <td>SW</td> <td>SE</td> </tr> </table> S -----1 mile-----	NW	NE	X		SW	SE	4 DEPTH OF COMPLETED WELL <i>50'</i> ft. Depth(s) Groundwater Encountered (1)..... ft. (2)..... ft. (3)..... ft. WELL'S STATIC WATER LEVEL <i>32'</i> ft. below land surface measured on mo/day/yr. <i>9/13/2014</i> 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 <i>8"</i> in. to <i>50'</i> 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 checked="" type="checkbox"/> Other (Specify below) <input type="checkbox"/> Irrigation <input type="checkbox"/> Industrial <input type="checkbox"/> Domestic-lawn & garden <input type="checkbox"/> Monitoring well <i>EXTRACTION</i> 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: Steel PVC Other *STAINLESS STEEL*

CASING JOINTS: Glued Clamped Welded Threaded

Casing diameter *4"* in. to *39'* ft., Diameter..... in. to..... ft., Diameter..... in. to..... ft.

Casing height above land surface *24"* in., Weight..... lbs./ft., Wall thickness or gauge No. *30.4*

TYPE OF SCREEN OR PERFORATION MATERIAL:

Steel Stainless Steel PVC Other (Specify).....
 Brass Galvanized Steel None used (open hole)

SCREEN OR PERFORATION OPENINGS ARE:

Continuous slot Mill slot Gauze wrapped Torch cut Drilled holes None (open hole)
 Louvered shutter Key punched Wire wrapped Saw cut Other (specify).....

SCREEN-PERFORATED INTERVALS: From *39'* ft. to *50'* ft., From..... ft. to..... ft.
 From..... ft. to..... ft., From..... ft. to..... ft.

GRAVEL PACK INTERVALS: From *36'* ft. to *39'* ft., From..... ft. to..... ft.
 From..... ft. to..... ft., From..... ft. to..... ft.

6 GROUT MATERIAL: Neat cement Cement grout Bentonite Other *CLASS H / SILICA FLOUR GROUT*

Grout Intervals: From *0'* ft. to *30'* ft., From..... ft. to..... ft., From..... ft. to..... ft.

What is the nearest source of possible contamination:

Septic tank Lateral lines Pit privy Livestock pens Insecticide storage Other (specify below)
 Sewer lines Cesspool Sewage lagoon Fuel storage Abandoned water well
 Watertight sewer lines Seepage pit Feedyard Fertilizer storage Oil well/gas well *N/A*

Direction from well..... Distance from well.....

FROM	TO	LITHOLOGIC LOG	FROM	TO	LITHO. LOG (cont.) or PLUGGING INTERVALS
<i>0'</i>	<i>6"</i>	<i>CONCRETE</i>			
<i>6"</i>	<i>27'</i>	<i>BROWN CLAY / SALT CLAY</i>			
<i>27'</i>	<i>50'</i>	<i>SAND</i>			

7 CONTRACTOR'S OR LANDOWNER'S CERTIFICATION: This water well was constructed, reconstructed, or plugged under my jurisdiction and was completed on (mo/day/year) *9/13/2014* and this record is true to the best of my knowledge and belief.

Kansas Water Well Contractor's License No. *793* This Water Well Record was completed on (mo/day/year) *9/24/14*

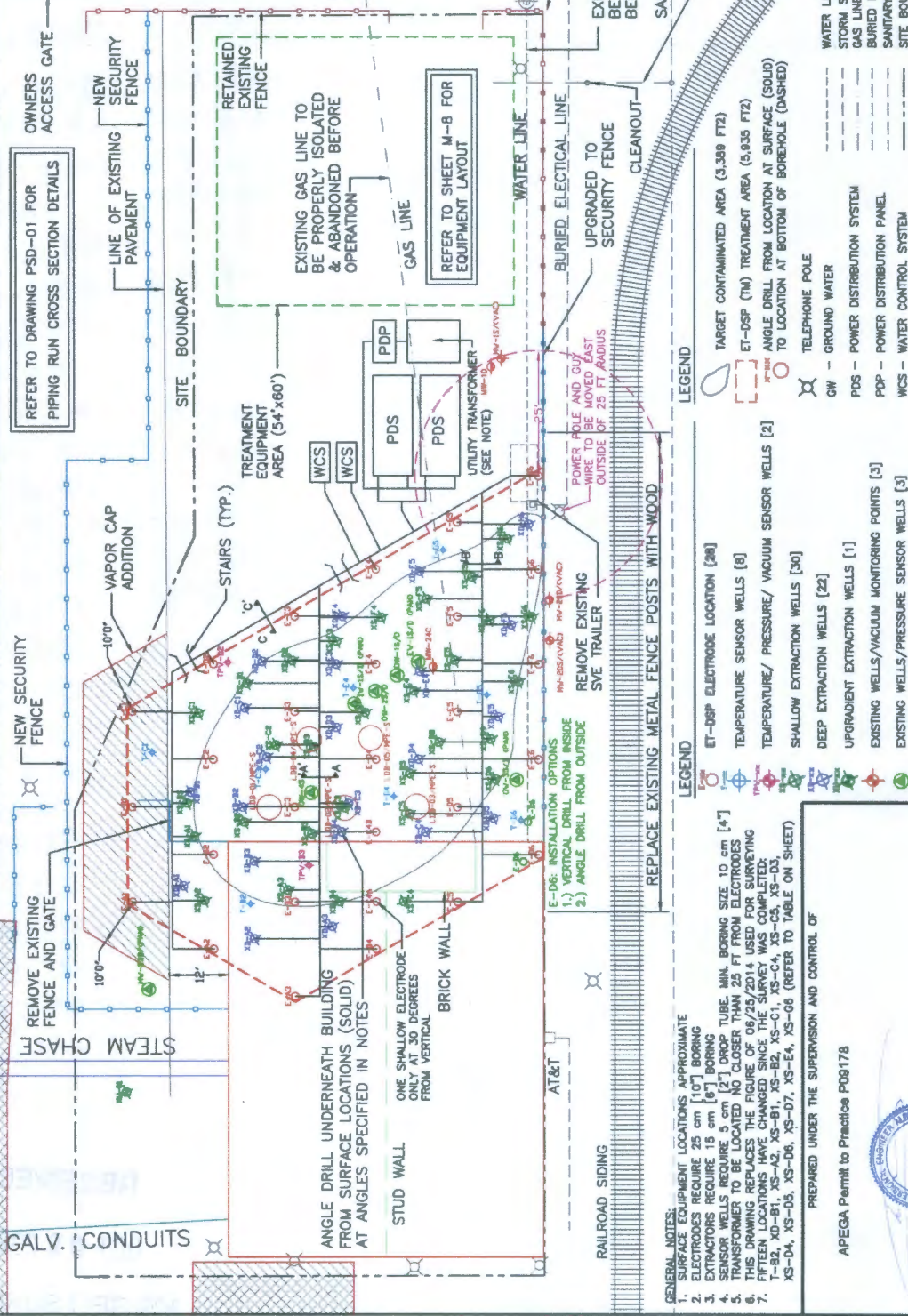
under the business name of *Candy Pump Service* by (signature) *[Signature]*

INSTRUCTIONS: Use typewriter or ball point pen. PLEASE PRESS FIRMLY and PRINT clearly. Please fill in blanks and check the correct answers. Send one copy 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>

ANGLE DRILL NOTES:
 1. XD-B4: DIP TO WEST AT 8° FROM VERTICAL
 2. E-C4R: DIP TO WEST AT 2° FROM VERTICAL
 3. E-C4R: DIP TO WEST AT 4° FROM VERTICAL
 4. E-C4A: DIP TO EAST AT 30° FROM VERTICAL
 5. (ONE ELECTRODE ONLY)
 IF SURFACE LOCATIONS ARE INACCESSIBLE DUE TO WALLS, MOVE BACK AND INCREASE ANGLE FROM VERTICAL (WITH MC APPROVAL)

POST-SURVEY WELL ADJUSTMENTS

WELL I.D.	DISTANCE FROM SURVEYED LOCATION EAST (FT)	NORTH (FT)
T-B2	0.0	-2.5
XD-B1	-3.0	0.0
XS-A2	-7.0	4.0
XS-B1	-3.0	0.0
XS-B2	-3.0	3.0
XS-C1	7.0	5.0
XS-C4	-14.0	-3.0
XS-C5	-1.5	1.5
XS-D3	REMOVED	REMOVED
XS-D4	REMOVED	REMOVED
XS-D5	0.0	-1.5
XS-D6	5.0	-6.0
XS-D7	-2.0	0.0
XS-E4	-2.0	-1.0
XS-E6	-3.5	1.0



GENERAL NOTES:
 1. SURFACE EQUIPMENT LOCATIONS APPROXIMATE
 2. ELECTRODES REQUIRE 25 cm [10"] BORING
 3. EXTRACTORS REQUIRE 15 cm [6"] BORING
 4. SENSOR WELLS REQUIRE 5 cm [2"] DROP TUBE. MIN. BORING SIZE 10 cm [4"]
 5. TRANSFORMER TO BE LOCATED NO CLOSER THAN 25 FT FROM ELECTRODES
 6. THIS DRAWING REPLACES THE FIGURE OF 06/25/2014 USED FOR SURVEYING
 7. FIFTEEN LOCATIONS HAVE CHANGED SINCE THE SURVEY WAS COMPLETED:
 T-B2, XD-B1, XS-A2, XS-B1, XS-B2, XS-C1, XS-C4, XS-C5, XS-D3, XS-D4, XS-D5, XS-D6, XS-D7, XS-E4, XS-E6 (REFER TO TABLE ON SHEET)

PREPARED UNDER THE SUPERVISION AND CONTROL OF
 APEGA Permit to Practice P08178
 DAVID ASHLEY
 JOURNALIST
 REGISTERED PROFESSIONAL ENGINEER
 ENGINEERING
 JULY 15 2014

WFL-01
WELL FIELD LAYOUT
ARCADIS
501 North Santa Fe Site
SALINA, KANSAS

LEGEND

SYMBOL	DESCRIPTION
(Symbol)	ET-DSP ELECTRODE LOCATION [20]
(Symbol)	TEMPERATURE SENSOR WELLS [8]
(Symbol)	TEMPERATURE/ PRESSURE/ VACUUM SENSOR WELLS [2]
(Symbol)	SHALLOW EXTRACTION WELLS [30]
(Symbol)	DEEP EXTRACTION WELLS [22]
(Symbol)	UPGRADATION EXTRACTION WELLS [1]
(Symbol)	EXISTING WELLS/VACUUM MONITORING POINTS [3]
(Symbol)	EXISTING WELLS/PRESSURE SENSOR WELLS [5]
(Symbol)	POST-SURVEY WELL ADJUSTMENTS
(Symbol)	FINAL WELL FIELD LAYOUT
(Symbol)	PROPOSED ELECTRODE LOCATIONS
(Symbol)	PROPOSED EXTRACTOR LOCATIONS
(Symbol)	PROPOSED TRANSFORMER
(Symbol)	PROPOSED PIPING
(Symbol)	PROPOSED UTILITY
(Symbol)	PROPOSED MONITORING POINTS
(Symbol)	PROPOSED WATER CONTROL SYSTEM

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