

WATER WELL RECORD XS-C1 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. T <u>14</u> <u>S</u>	Range Number R <u>3</u> <input type="checkbox"/> E <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. SANTE 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>1220'</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>MATADOR CATTLE CO.</u> <u>4111 E. 37th ST. NORTH</u> City, State, ZIP Code: <u>WICHITA, KS 67220</u>				

3 LOCATE WELL WITH AN "X" IN SECTION BOX: N <table border="1" style="width: 100%; text-align: center; border-collapse: collapse;"> <tr><td> </td><td> </td><td> </td></tr> <tr><td>--NW--</td><td>X</td><td>--NE--</td></tr> <tr><td>--SW--</td><td> </td><td>--SE--</td></tr> </table> S -----1 mile-----				--NW--	X	--NE--	--SW--		--SE--	4 DEPTH OF COMPLETED WELL <u>30'</u> ft. Depth(s) Groundwater Encountered (1) ft. (2) ft. (3) ft. WELL'S STATIC WATER LEVEL ft. below land surface measured on mo/day/yr. 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>8"</u> in. to <u>30'</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 checked="" type="checkbox"/> Other (Specify below) <u>EXTRACTION</u> <input type="checkbox"/> Irrigation <input type="checkbox"/> Industrial <input type="checkbox"/> Domestic-lawn & garden <input 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--	X	--NE--								
--SW--		--SE--								

5 TYPE OF CASING USED: Steel PVC Other STAINLESS STEEL

CASING JOINTS: Glued Clamped Welded Threaded
Casing diameter 4" in. to 5' ft., Diameter in. to ft., Diameter in. to ft.
Casing height above land surface 2' in., Weight lbs./ft., Wall thickness or gauge No. 304

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 5' ft. to 30' ft., From ft. to ft.
From ft. to ft., From ft. to ft.

GRAVEL PACK INTERVALS: From 3' ft. to 30' 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 3' 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
0'	6'	CONCRETE			
6"	27'	Silty clay to clay BROWN			
27'	30'	SAND			

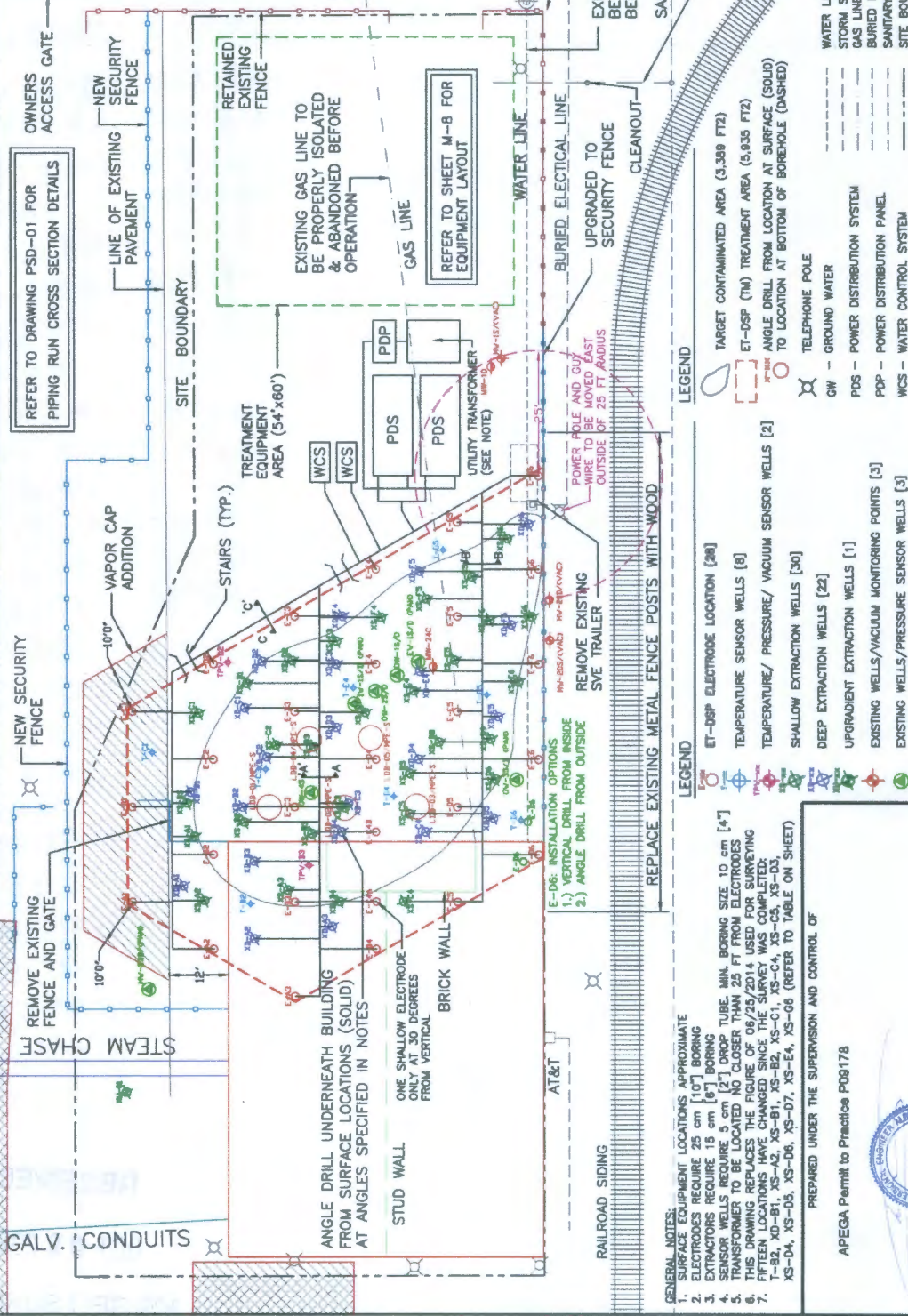
7 CONTRACTOR'S OR LANDOWNER'S CERTIFICATION: This water well was constructed, reconstructed, or plugged under my jurisdiction and was completed on (mo/day/year) 9/4/2014 and this record is true to the best of my knowledge and belief.
Kansas Water Well Contractor's License No. 193 This Water Well Record was completed on (mo/day/year) 9/24/14
under the business name of Canary 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.org/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)

E-D6: INSTALLATION OPTIONS
 1.) VERTICAL DRILL FROM INSIDE
 2.) ANGLE DRILL FROM OUTSIDE

REMOVE EXISTING SVE TRAILER

POWER HOLE AND CUT LAST WIRE TO BE MOVED EAST TO LOCATION AT BOTTOM OF BOREHOLE (DASHED)

LEGEND

- ET-DSP ELECTRODE LOCATION [20]
- TEMPERATURE SENSOR WELLS [8]
- TEMPERATURE/ PRESSURE/ VACUUM SENSOR WELLS [2]
- SHALLOW EXTRACTION WELLS [30]
- DEEP EXTRACTION WELLS [22]
- UPGRADIENT EXTRACTION WELLS [1]
- EXISTING WELLS/VACUUM MONITORING POINTS [3]
- EXISTING WELLS/PRESSURE SENSOR WELLS [5]

LEGEND

- GW - GROUND WATER
- PDS - POWER DISTRIBUTION SYSTEM
- PDP - POWER DISTRIBUTION PANEL
- WCS - WATER CONTROL SYSTEM

LEGEND

- REFER TO DRAWING PSD-01 FOR PIPING RUN CROSS SECTION DETAILS
- OWNERS ACCESS GATE
- NEW SECURITY FENCE
- REMOVE EXISTING FENCE AND GATE
- STEAM CHASE
- STUD WALL
- ANGLE DRILL UNDERNEATH BUILDING FROM SURFACE LOCATIONS (SOLID)
- STUD WALL
- BRICK WALL
- AT&T
- RAILROAD SIDING
- REPLACE EXISTING METAL FENCE POSTS WITH WOOD
- REMOVE EXISTING SVE TRAILER
- POWER HOLE AND CUT LAST WIRE TO BE MOVED EAST TO LOCATION AT BOTTOM OF BOREHOLE (DASHED)
- LEGEND
- TARGET CONTAMINATED AREA (3,389 FT²)
- ET-DSP (TM) TREATMENT AREA (5,935 FT²)
- ANGLE DRILL FROM LOCATION AT SURFACE (SOLID)
- TO LOCATION AT BOTTOM OF BOREHOLE (DASHED)
- TELEPHONE POLE
- WATER LINE
- STORM SEWER LINE
- GAS LINE
- BURIED ELECTRICAL LINE
- SANITARY SEWER
- SITE BOUNDARY

WFL-01

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

REVISIONS

NO.	DATE	DESCRIPTION
01	07/15/2014	ISSUE FOR PERMIT
02	07/15/2014	REVISED ELECTRODE LOCATIONS
03	07/15/2014	REVISED ELECTRODE LOCATIONS
04	07/15/2014	REVISED ELECTRODE LOCATIONS
05	07/15/2014	REVISED ELECTRODE LOCATIONS
06	07/15/2014	REVISED ELECTRODE LOCATIONS
07	07/15/2014	REVISED ELECTRODE LOCATIONS
08	07/15/2014	REVISED ELECTRODE LOCATIONS
09	07/15/2014	REVISED ELECTRODE LOCATIONS
10	07/15/2014	REVISED ELECTRODE LOCATIONS
11	07/15/2014	REVISED ELECTRODE LOCATIONS
12	07/15/2014	REVISED ELECTRODE LOCATIONS
13	07/15/2014	REVISED ELECTRODE LOCATIONS
14	07/15/2014	REVISED ELECTRODE LOCATIONS
15	07/15/2014	REVISED ELECTRODE LOCATIONS
16	07/15/2014	REVISED ELECTRODE LOCATIONS
17	07/15/2014	REVISED ELECTRODE LOCATIONS
18	07/15/2014	REVISED ELECTRODE LOCATIONS
19	07/15/2014	REVISED ELECTRODE LOCATIONS
20	07/15/2014	REVISED ELECTRODE LOCATIONS
21	07/15/2014	REVISED ELECTRODE LOCATIONS
22	07/15/2014	REVISED ELECTRODE LOCATIONS
23	07/15/2014	REVISED ELECTRODE LOCATIONS
24	07/15/2014	REVISED ELECTRODE LOCATIONS
25	07/15/2014	REVISED ELECTRODE LOCATIONS
26	07/15/2014	REVISED ELECTRODE LOCATIONS
27	07/15/2014	REVISED ELECTRODE LOCATIONS
28	07/15/2014	REVISED ELECTRODE LOCATIONS
29	07/15/2014	REVISED ELECTRODE LOCATIONS
30	07/15/2014	REVISED ELECTRODE LOCATIONS
31	07/15/2014	REVISED ELECTRODE LOCATIONS
32	07/15/2014	REVISED ELECTRODE LOCATIONS
33	07/15/2014	REVISED ELECTRODE LOCATIONS
34	07/15/2014	REVISED ELECTRODE LOCATIONS
35	07/15/2014	REVISED ELECTRODE LOCATIONS
36	07/15/2014	REVISED ELECTRODE LOCATIONS
37	07/15/2014	REVISED ELECTRODE LOCATIONS
38	07/15/2014	REVISED ELECTRODE LOCATIONS
39	07/15/2014	REVISED ELECTRODE LOCATIONS
40	07/15/2014	REVISED ELECTRODE LOCATIONS

ILLAN-MCGEE CORP.
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 CALUMET, ALABAMA 35958-3146, TEL: 205-398-1100
 P.O. BOX 859, B.L. CO. PAN. 405-372-7251

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PREPARED UNDER THE SUPERVISION AND CONTROL OF
 APEGA Permit to Practice P08178

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