

WATER WELL RECORD XD-A2 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>	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
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Street/Rural Address of Well Location; if unknown, distance & direction from nearest town or intersection: If at owner's address, check here
501 N. SANTE FE
SALINA KS 67401

Global Positioning System (GPS) information:
 Latitude: 38° 50' 56" N (in decimal degrees)
 Longitude: 97° 36' 35" W (in decimal degrees)
 Elevation: 1222'
 Datum: WGS 84, NAD 83, NAD 27
 Collection Method:
 GPS unit (Make/Model: I-Phone)
 Digital Map/Photo, Topographic Map, Land Survey
 Est. Accuracy: <3 m, 3-5 m, 5-15 m, >15 m

2 WATER WELL OWNER: MATADOR CATTLE CO.
 RR#, Street Address, Box #: 4111 E. 37th ST. NORTH
 City, State, ZIP Code: WICHITA, KS 67220

3 LOCATE WELL WITH AN "X" IN SECTION BOX:

		N			
		W	X		
		S			

-----1 mile-----

4 DEPTH OF COMPLETED WELL 50' ft.

Depth(s) Groundwater Encountered (1)..... ft. (2)..... ft. (3)..... ft.
 WELL'S STATIC WATER LEVEL... 37' ft. below land surface measured on mo/day/yr. 9/10/2014
 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 8" in. to 50' ft., and..... in. to..... ft.
 WELL WATER TO BE USED AS: Public water supply Geothermal Injection well
 Domestic Feedlot Oil field water supply Dewatering Other (Specify below)
 Irrigation Industrial Domestic-lawn & garden Monitoring well EXTRACTION
 Was a chemical/bacteriological sample submitted to Department? Yes No
 If yes, mo/day/yr sample was submitted.....
 Water well disinfected? Yes No

5 TYPE OF CASING USED: Steel PVC Other STAINLESS STEEL

CASING JOINTS: Glued Clamped Welded Threaded
 Casing diameter 4" in. to 3.8" ft., Diameter..... in. to..... ft., Diameter..... in. to..... ft.
 Casing height above land surface..... 2.4" 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 3.8' ft. to 50' ft., From..... ft. to..... ft.
 From..... ft. to..... ft., From..... ft. to..... ft.
 GRAVEL PACK INTERVALS: From 3.5' ft. to 50' 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 3.5' 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 NA

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

FROM	TO	LITHOLOGIC LOG	FROM	TO	LITHO. LOG (cont.) or PLUGGING INTERVALS
0'	6"	CONCRETE			
6"	27'	Brown clay (S.H. & clay)			
27'	50'	SAND			

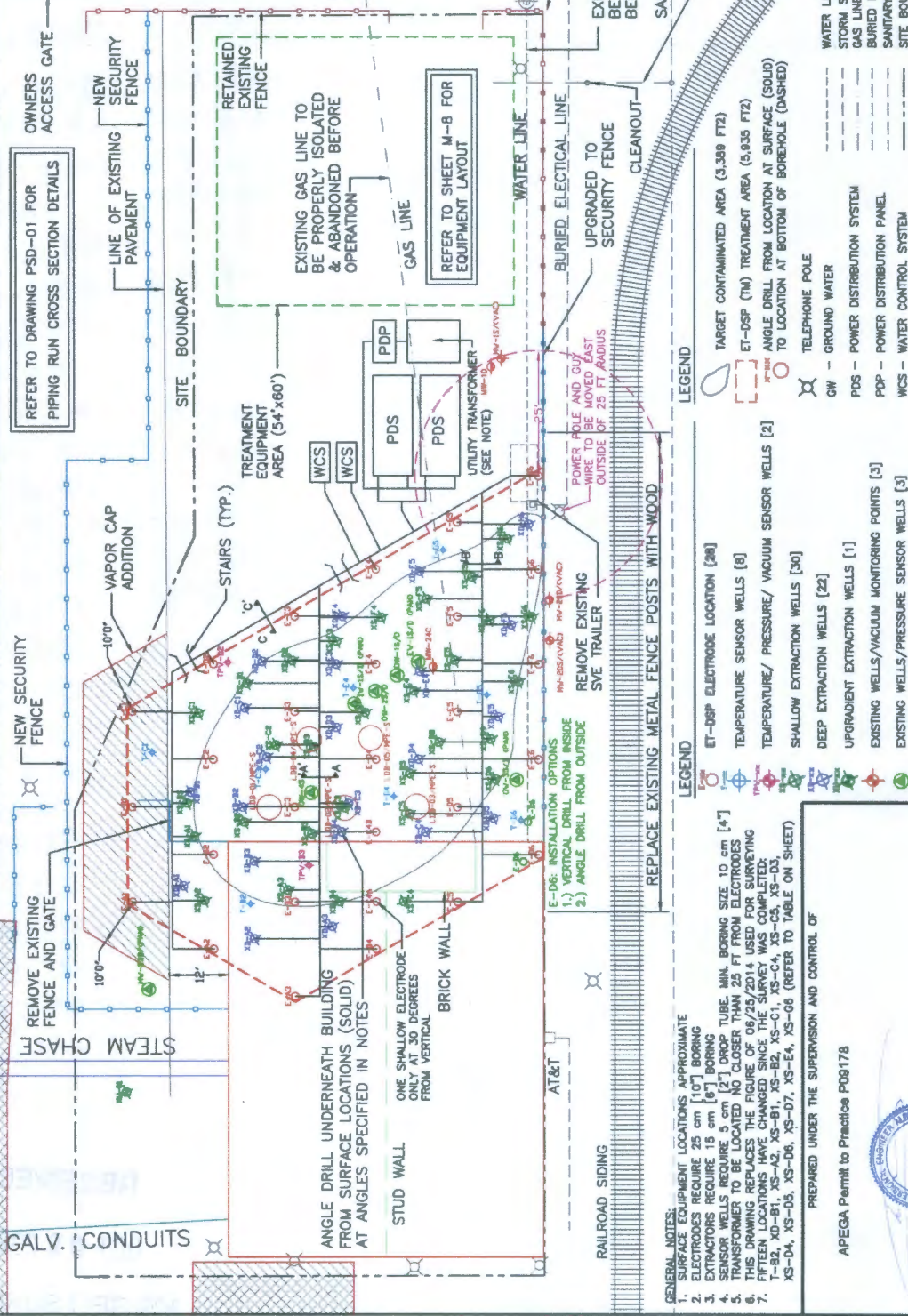
7 CONTRACTOR'S OR LANDOWNER'S CERTIFICATION: This water well was constructed, reconstructed, or plugged under my jurisdiction and was completed on (mo/day/year) 9/10/2014 and this record is true to the best of my knowledge and belief. Kansas Water Well Contractor's License No. 793 This Water Well Record was completed on (mo/day/year) 9/24/14 under the business name of Cahoy 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)

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

- NEW SECURITY FENCE
- EXISTING SECURITY FENCE
- NEW SECURITY FENCE
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- EXISTING SECURITY FENCE

WFL-01

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

REVISIONS

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

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