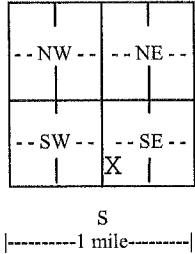


WATER WELL RECORD Well #1 **Form WWC-5**

Division of Water Resources App. No.

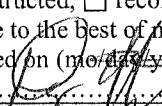
1 LOCATION OF WATER WELL: County: Rice	Fraction SW ¼ SW ¼ SE ¼	Section Number 14	Township No. T 18 S	Range Number R 7 <input type="checkbox"/> E <input checked="" type="checkbox"/> W
Street/Rural Address of Well Location; if unknown, distance & direction from nearest town or intersection: If at owner's address, check here <input type="checkbox"/> 3 miles south and 5 miles east of Genesco, KS		Global Positioning System (GPS) information: Latitude: 38° 28' 44.3" (in decimal degrees) Longitude: 098° 03' 44.8" (in decimal degrees) Elevation: 1715' Datum: <input type="checkbox"/> WGS 84, <input checked="" type="checkbox"/> NAD 83, <input type="checkbox"/> NAD 27 Collection Method: <input checked="" type="checkbox"/> GPS unit (Make/Model: <u>Garmin</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: Zenith Project RR#, Street Address, Box #: 320 NE 14th St. City, State, ZIP Code : Abilene, KS67410				

3 LOCATE WELL WITH AN "X" IN SECTION BOX: N  S -----1 mile-----	4 DEPTH OF COMPLETED WELL 122 ft. Depth(s) Groundwater Encountered (1) 61 ft. (2) ft. (3) ft. WELL'S STATIC WATER LEVEL 61 ft. below land surface measured on mo/day/yr. 09/19/11 Pump test data: Well water was 90 ft. after 2 hours pumping 4.5 gpm EST. YIELD 4.5 gpm. Well water was ft. after hours pumping gpm Bore Hole Diameter 12 in. to 122 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 checked="" 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 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
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5 TYPE OF CASING USED: Steel PVC Other
CASING JOINTS: Glued Clamped Welded Threaded
 Casing diameter .6 in. to .82 ft., Diameter in. to ft., Diameter in. to ft.
 Casing height above land surface 24 in., Weight lbs./ft., Wall thickness or gauge No.
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 82 ft. to 122 ft., From ft. to ft.
GRAVEL PACK INTERVALS: From 70 ft. to 122 ft., From ft. to ft.
 From ft. to ft., From ft. to ft.

6 GROUT MATERIAL: Neat cement Cement grout Bentonite Other
 Grout Intervals: From 0 ft. to 70 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
 Direction from well East Distance from well 1500

FROM	TO	LITHOLOGIC LOG	FROM	TO	LITHO. LOG (cont.) or PLUGGING INTERVALS
		See attached			

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) 09/19/2011 and this record is true to the best of my knowledge and belief. Kansas Water Well Contractor's License No. 755 This Water Well Record was completed on (mo/day/year) 02/10/2012 under the business name of Sargent Drilling by (signature) 

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>.

Sargent Drilling
INDUSTRIAL ENGINEERING
 COMPLETE MUNICIPAL AND INDUSTRIAL
 WELL AND PUMP SERVICE

PO Box 367
 Geneva, NE 68361-0367

846 South 13th St.

Phone: (402) 759-3902
 1-888-496-3902

TEST HOLE LOG

CUSTOMER: Zenith Project	
WELL ID: Stock Well #1	
LOCATION: SW ¼ SW ¼ SW ¼ SE ¼, 14-T18S-R7W, Rice Co., KS	
LATITUDE: 38° 28' 44.3"	
LONGITUDE: 098° 03' 44.8"	
ELEVATION: 1715'	
FOOTAGES: 204 feet from the South section line and 2601 feet from the East section line.	
DATE: 9-19-11	DRILLED BY: Scott, Blue, Trevor and Larry K.

SWL: 61'
 PWL: 90'
 GPM: 4.5

<u>from feet</u>	<u>- to feet</u>	
0	8	Topsoil and brown clay
8	20	Fine brown and tan sandstone
20	32	Fine tan and orange sandstone
32	40	Tan and blue clay
40	47	Tan and blue clay with fine sandstone strips
47	58	Blue clay
58	60	Fine sandstone
60	78	Blue clay with fine sandstone strips
78	80	Fine sandstone
80	120	Blue shale with fine sandstone and rock layers
120	125	Very hard limestone
125	130	Gray and black shale

Well Depth: 122'
 Bore Hole Dia: 12"

Plain casing: 82' of 6"
 Perf. casing: 40' of 6" slot size: .020"

Gravel pack from 70' to 122'
 Bentonite from 0' to 70'

dh