

WATER WELL RECORD

Form WWC-5

Division of Water Resources App. No.

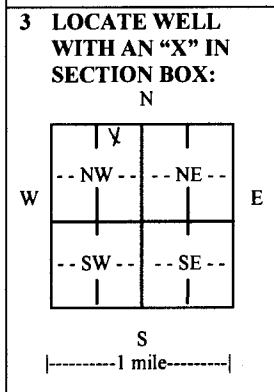
3,877

1 LOCATION OF WATER WELL: County: Gray	Fraction ¼ NW ¼ NE ¼ NW ¼	Section Number 17	Township No. T 28 S	Range Number R 30 <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 approx 19 miles southeast of Pierceville, KS

Global Positioning System (GPS) information:
 Latitude: 37.61924..... (in decimal degrees)
 Longitude: 100.62969..... (in decimal degrees)
 Elevation: 2829.....
 Datum: WGS 84, NAD 83, NAD 27
 Collection Method:
 GPS unit (Make/Model:)
 Digital Map/Photo, Topographic Map, Land Survey
 Est. Accuracy: <3 m, 3-5 m, 5-15 m, >15 m

2 WATER WELL OWNER: Reliant Resources
 RR#, Street Address, Box #: PO Box 399
 City, State, ZIP Code : Garden Citv. KS 67846



4 DEPTH OF COMPLETED WELL 541..... ft.

Depth(s) Groundwater Encountered (1)..... ft. (2)..... ft. (3)..... ft.

WELL'S STATIC WATER LEVEL 235.....ft. below land surface measured on mo/day/yr. 4/26/11.....

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 24.....in. to 541.....ft., andin. toft.

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

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

CASING JOINTS: Glued Clamped Welded Threaded

Casing diameter .16..... in. to 541..... ft., Diameter in. to ft., Diameter in. to ft.

Casing height above land surface .12..... in., Weight 42.09.....lbs./ft., Wall thickness or gauge No. 0.250.....

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 252..... ft. to 312..... ft., From 329..... ft. to 400..... ft.
 From 429..... ft. to 459..... ft., From 511..... ft. to 531..... ft.

GRAVEL PACK INTERVALS: From 20..... ft. to 320..... ft., From 320..... ft. to 541..... ft.
 From..... ft. to ft., From..... ft. to ft.

6 GROUT MATERIAL: Neat cement Cement grout Bentonite Other

Grout Intervals: From 0..... ft. to 20..... 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 **None Detected**

Direction from well Distance from well

FROM	TO	LITHOLOGIC LOG	FROM	TO	LITHO. LOG (cont.) or PLUGGING INTERVALS
0	2	top soil	179	192	fine sand
2	13	brown clay	192	202	sandy clay
13	26	brown sandy clay	202	235	fine-med sand, some lime rk strips
26	38	fine sand	235	263	fine-med sand, sm crse grvl mix
38	64	brown sandy clay	263	273	fine to small med sand
64	87	brown clay	273	302	fine to med sand. few clay beds
87	108	fine sand and clay ledges	302	312	fine sand mix with clay
108	153	brown and gray sandy clay	312	331	brown clay. some calicho
153	176	fine sand and small med mix	331	361	brwn sndy cly mix w/ fine sand
176	179	brown sandy clay	361	397	clean fine 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) 4/26/11..... and this record is true to the best of my knowledge and belief. Kansas Water Well Contractor's License No. 145..... This Water Well Record was completed on (mo/day/year) 5/2/11..... under the business name of Hydro Resources..... 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 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 785-296-5522. 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>.

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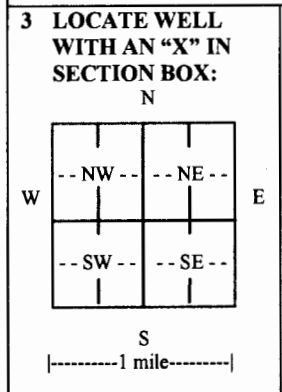
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Direction from well Distance from well

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397	405	brwn & gray cly & yllw soapstone			
405	425	gray shale, yellow soapstone			
425	442	shale, sandstone			
442	459	sandstone			
459	471	gray shale & yellow sandstone			
471	506	red bed mix with shale			
506	511	shale soapstone sandstone lime rock			
511	531	sandstone			
531	540	black shale			

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