

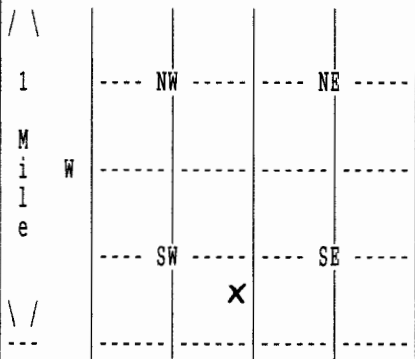
WATER WELL RECORD Form WWC-5 KSA 82a-1212

1 LOCATION OF WATER WELL: Fraction Section Number Township Number Range Number
 COUNTY: 088 SEWARD NE 1/4 SE 1/4 SW 1/4 09 T 34 S R 33 W

Distance and direction from nearest town or city street address of well if located within city?
 FROM LIBERAL; APPX 3 MILES NORTH

2 WATER WELL OWNER: FRED BLOOM
 RR#, St. Address, Box #: 2250 ROAD G Board of Agriculture, Division of Water Resources
 City, State, ZIP code: LIBERAL, KS 67901- Application Number: 45,084

3 LOCATE WELL'S LOCATION WITH AN "X" IN SECTION BOX:



4 DEPTH OF COMPLETED WELL 585 ELEVATION: 0
 Depth(s) Groundwater Encountered 1. 0 ft. 2. 0 ft. 3. 0 ft.

WELL'S STATIC WATER LEVEL 212 ft. below land surface measured on mo/day/yr 12/28/04
 Pump test data: Well water was 432 ft. after 4 hours pumping 650 gpm
 Estimated Yield 0 gpm: Well water was 0 ft. after 0 hours pumping 0 gpm

Bore Hole Diameter 24 in. to 585 ft., and in. to 0 ft.

WELL WATER TO BE USED AS: 02 IRRIGATION

Was a chemical/bacteriological sample submitted to department? No ;
 If yes, mo/day/yr sample was submitted Water well disinfected? Yes

5 TYPE OF BLANK CASING USED: 01 STEEL CASING JOINTS: WELDED
 Blank casing diameter 16 in. to 590 ft., Dia in. to 0 ft., Dia in. to 0 ft.
 Casing height above land surface 12 in., weight 42 lbs/ft. Wall thickness or gauge No. .250
 TYPE OF SCREEN OR PERFORATION MATERIAL: 01 STEEL
 SCREEN OR PERFORATION OPENINGS ARE: 01 CONT. SLOT

SCREEN PERFORATED INTERVALS: From 284 ft. to 414 ft., From 460 ft. to 470 ft.
 From 426 ft. to 436 ft., From 485 ft. to 515 ft.
 GRAVEL PACK INTERVALS: From 20 ft. to 590 ft., From 0 ft. to 0 ft.
 From 0 ft. to 0 ft., From 0 ft. to 0 ft.

6 GROUT MATERIAL 03 BENTONITE
 Grout Intervals: From 0 ft. to 20 ft., From 0 ft. to 0 ft., From 0 ft. to 0 ft.
 What is the nearest source of possible contamination: NONE OBSERVED
 Direction from well? How many feet? 0

FROM	TO	LITHOLOGIC LOG	FROM	TO	PLUGGING INTERVALS
0	2	05 SAND			
2	8	01 CLAY 31 CALICHE 07 FINE SAND			
8	46	07 FINE SAND 01 CLAY			
46	52	07 FINE SAND 08 MEDIUM SAND			
52	59	01 CLAY			
59	70	07 FINE SAND			
70	83	01 CLAY			
83	96	07 FINE SAND			
96	165	01 CLAY 05 SAND			
165	177	07 FINE SAND 08 MEDIUM SAND			

7 CONTRACTOR'S OR LANDOWNER'S CERTIFICATION: This water well was Constructed under my jurisdiction and was completed on (mo/day/year) 12/22/04 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/yr) 03/11/05 under the business name of HENKLE DRILLING & SUPPLY by (signature)

(Continued)

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1 LOCATION OF WATER WELL: COUNTY: 088 SEWARD	Fraction NE 1/4 SE 1/4 SW 1/4	Section Number 09	Township Number T 34 S	Range Number R 33 W
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2 WATER WELL OWNER: FRED BLOOM
 RR#, St. Address, Box # : 2250 ROAD G
 City, State, ZIP code : LIBERAL, KS 67901-
 Board of Agriculture, Division of Water Resources
 Application Number: 45,084

SCREEN PERFORATED INTERVALS: From 545 ft. to 585 ft., From 0 ft. to 0 ft.
 From 0 ft. to 0 ft., From 0 ft. to 0 ft.

FROM	TO	LITHOLOGIC LOG
177	197	01 CLAY 20 LIMESTONE
197	220	07 FINE SAND 08 MEDIUM SAND 01 CLAY
220	245	07 FINE SAND 08 MEDIUM SAND
245	253	01 CLAY
253	259	07 FINE SAND 01 CLAY
259	268	01 CLAY
268	315	05 SAND 01 CLAY
315	324	01 CLAY
324	338	05 SAND
338	346	01 CLAY
346	364	07 FINE SAND 08 MEDIUM SAND
364	370	01 CLAY
370	414	07 FINE SAND 08 MEDIUM SAND 01 CLAY
414	427	01 CLAY
427	434	07 FINE SAND
434	460	01 CLAY
460	470	07 FINE SAND 01 CLAY
470	484	01 CLAY
484	515	07 FINE SAND 01 CLAY
515	530	01 CLAY
530	553	01 CLAY 05 SAND
553	575	07 FINE SAND
575	589	01 CLAY
589	607	01 CLAY
607	630	19 SHALE

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