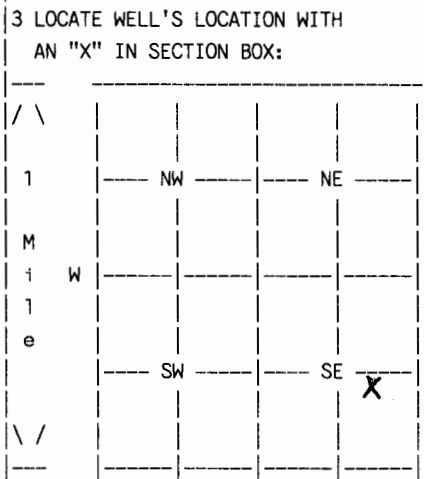


WATER WELL RECORD Form WWC-5 KSA 82a-1212

1 LOCATION OF WATER WELL: Fraction Section Number Township Number Range Number  
 COUNTY: **088 SEWARD** NW 1/4 SE 1/4 SE 1/4 25 T 34 S R 34 W

Distance and direction from nearest town or city street address of well if located within city?  
**APPROX. 1/2 MILE WEST & 1/4 NORTH OF LIBERAL**

2 WATER WELL OWNER: **LIBERAL WTR DEPT, CITY OF** Board of Agriculture, Division of Water Resources  
 RR#, St. Address, Box #: **PO BOX 2199**  
 City, State, ZIP code : **LIBERAL, KS 67901-** Application Number:



4 DEPTH OF COMPLETED WELL **643** ELEVATION: **0**  
 Depth(s) Groundwater Encountered 1. **0** ft. 2. **0** ft. 3. **0** ft.  
 WELL'S STATIC WATER LEVEL **152** ft. below land surface measured on mo/day/yr **06/21/98**  
 Pump testdata: Well water was **0** ft. after **0** hours pumping **0** gpm  
 Estimated Yield **0** gpm: Well water was **0** ft. after **0** hours pumping **0** gpm  
 Bore Hole Diameter **6** in. to **680** ft., and in. to **0** ft.  
 WELL WATER TO BE USED AS: **10 MONITORING**  
 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: **02 PVC** CASING JOINTS: **GLUED**  
 Blank casing diameter **1.5** in. to **643** ft., Dia in. to **0** ft., Dia in. to **0** ft.  
 Casing height above land surface **12** in., weight **1** lbs/ft. Wall thickness or gauge No. **.145**  
 TYPE OF SCREEN OR PERFORATION MATERIAL: **07 PVC**  
 SCREEN OR PERFORATION OPENINGS ARE: **03 MILL SLOT**

SCREEN PERFORATED INTERVALS: From **263** ft. to **283** ft., From **343** ft. to **363** ft.  
 From **303** ft. to **323** ft., From **383** ft. to **403** ft.  
 GRAVEL PACK INTERVALS: From **30** ft. to **200** ft., From **0** ft. to **0** ft.  
 From **200** ft. to **643** ft., From **0** ft. to **0** ft.

6 GROUT MATERIAL **03 BENTONITE**  
 Grout Intervals: From **0** ft. to **30** 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	02 SILT			
2	32	04 SANDY CLAY 31 CALICHE 05 SAND			
32	46	07 FINE SAND 04 SANDY CLAY			
46	57	04 SANDY CLAY 31 CALICHE			
57	71	04 SANDY CLAY 05 SAND			
71	79	04 SANDY CLAY 05 SAND 20 LIMESTONE			
79	100	05 SAND 04 SANDY CLAY			
100	119	04 SANDY CLAY 05 SAND 20 LIMESTONE			
119	149	04 SANDY CLAY 20 LIMESTONE			
149	167	04 SANDY CLAY 20 LIMESTONE 01 CLAY			

7 CONTRACTOR'S OR LANDOWNER'S CERTIFICATION: This water well was Constructed under my jurisdiction and was completed on (mo/day/year) **06/21/98** 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) **07/24/98** under the business name of **HENKLE DRILLING & SUPPLY** by (signature) *Bruce J. Reichmuth*

(Continued)

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

1 LOCATION OF WATER WELL:	Fraction	Section Number	Township Number	Range Number
COUNTY: <b>088 SEWARD</b>	<b>NE 1/4 SE 1/4 SE 1/4</b>	<b>25</b>	<b>T 34 S</b>	<b>R 34 W</b>

2 WATER WELL OWNER: **LIBERAL WTR DEPT, CITY OF**  
 RR#, St. Address, Box # : **PO BOX 2199** Board of Agriculture, Division of Water Resources

City, State, ZIP code : **LIBERAL, KS 67901-** Application Number:

SCREEN PERFORATED INTERVALS: From **423 ft. to 443 ft.**, From **503 ft. to 523 ft.** **583'-603'**  
 From **463 ft. to 483 ft.**, From **543 ft. to 563 ft.** **623'-643'**

FROM	TO	LITHOLOGIC LOG
167	185	20 LIMESTONE 04 SANDY CLAY
185	193	04 SANDY CLAY 05 SAND
193	200	07 FINE SAND 08 MEDIUM SAND 01 CLAY
200	223	05 SAND 11 GRAVEL 01 CLAY
223	229	05 SAND 01 CLAY
229	280	07 FINE SAND 06 VERY FN SAND 01 CLAY
280	322	07 FINE SAND 08 MEDIUM SAND 01 CLAY
322	330	07 FINE SAND 06 VERY FN SAND 01 CLAY
330	340	07 FINE SAND 08 MEDIUM SAND 01 CLAY
340	392	07 FINE SAND 08 MEDIUM SAND
392	411	05 SAND 01 CLAY
411	421	07 FINE SAND 08 MEDIUM SAND 01 CLAY
421	470	07 FINE SAND 06 VERY FN SAND 01 CLAY
470	520	05 SAND 01 CLAY
520	529	07 FINE SAND 06 VERY FN SAND 01 CLAY
529	530	20 LIMESTONE
529	530	20 LIMESTONE
530	543	07 FINE SAND 06 VERY FN SAND 01 CLAY
543	544	20 LIMESTONE
544	571	07 FINE SAND 06 VERY FN SAND 01 CLAY
571	580	05 SAND 01 CLAY
580	590	01 CLAY 05 SAND 01 CLAY
580	590	01 CLAY 05 SAND
590	603	05 SAND 01 CLAY
603	650	07 FINE SAND 06 VERY FN SAND 01 CLAY
603	650	07 FINE SAND 06 VERY FN SAND 01 CLAY
650	657	01 CLAY 05 SAND
657	680	19 SHALE

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