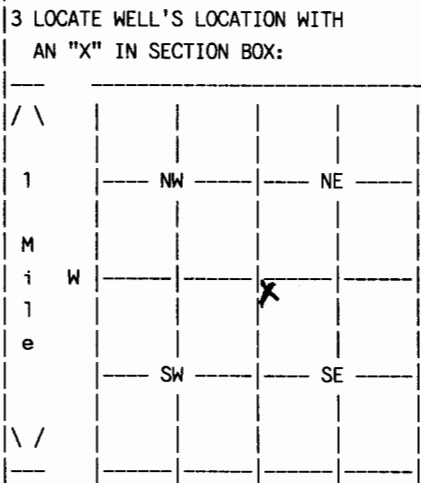


WATER WELL RECORD Form WMC-5 KSA 82a-1212

1 LOCATION OF WATER WELL: Fraction Section Number Township Number Range Number  
 COUNTY: **088 SEWARD** | **NW 1/4 NW 1/4 SE 1/4** | **30** | **T 34 S** | **R 33 W**

Distance and direction from nearest town or city street address of well if located within city?  
**APPROX. 3/4 WEST & 3/4 NORTH OF LIBERAL**

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



4 DEPTH OF COMPLETED WELL **663** ELEVATION: **0**  
 Depth(s) Groundwater Encountered 1. **0** ft. 2. **0** ft. 3. **0** ft.  
 WELL'S STATIC WATER LEVEL **146** ft. below land surface measured on mo/day/yr **06/27/98**  
 Pump test data: 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 **690** 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 **663** 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 **283** ft. to **303** ft., From **403** ft. to **423** ft.  
 From **343** ft. to **383** ft., From **443** ft. to **463** ft.  
 GRAVEL PACK INTERVALS: From **30** ft. to **200** ft., From **0** ft. to **0** ft.  
 From **200** ft. to **663** 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	8	04 SANDY CLAY 31 CALICHE			
8	18	07 FINE SAND 04 SANDY CLAY			
18	40	05 SAND 31 CALICHE 04 SANDY CLAY			
40	65	04 SANDY CLAY 31 CALICHE 05 SAND			
65	80	04 SANDY CLAY 20 LIMESTONE 05 SAND			
80	120	05 SAND 04 SANDY CLAY 20 LIMESTONE			
120	124	20 LIMESTONE			
124	129	07 FINE SAND 08 MEDIUM SAND 09 COARSE SAND			
129	155	04 SANDY CLAY 20 LIMESTONE 05 SAND			

7 CONTRACTOR'S OR LANDOWNER'S CERTIFICATION: This water well was Constructed under my jurisdiction and was completed on (mo/day/year) **06/27/98** 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) **07/21/98** under the business name of **HENKLE DRILLING & SUPPLY** by (signature)

(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>NW 1/4 NW 1/4 NW 1/4</b>	<b>30</b>	<b>T 34 S</b>	<b>R 33 W</b>

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

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

SCREEN PERFORATED INTERVALS: From **483 ft. to 503 ft.**, From **563 ft. to 583 ft.** **643'-663'**  
 From **523 ft. to 543 ft.**, From **603 ft. to 623 ft.**

FROM	TO	LITHOLOGIC LOG
155	162	04 SANDY CLAY 20 LIMESTONE 01 CLAY
162	170	04 SANDY CLAY 20 LIMESTONE 05 SAND
170	185	04 SANDY CLAY 01 CLAY 20 LIMESTONE
185	200	05 SAND 20 LIMESTONE 01 CLAY
200	222	05 SAND 01 CLAY
222	228	04 SANDY CLAY
228	480	07 FINE SAND 06 VERY FN SAND 01 CLAY
343	480	07 FINE SAND 06 VERY FN SAND 01 CLAY
480	500	07 FINE SAND 06 VERY FN SAND 08 MEDIUM SAND
480	500	01 CLAY
480	500	07 FINE SAND 06 VERY FN SAND 08 MEDIUM SAND
480	610	07 FINE SAND 06 VERY FN SAND CLAY
610	670	07 FINE SAND 06 VERY FN SAND 08 MEDIUM SAND
610	670	01 CLAY
670	690	19 SHALE

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