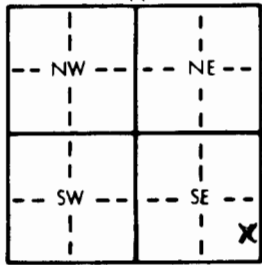


1 LOCATION OF WATER WELL: Fraction **SE 1/4 SE 1/4 SE 1/4** Section Number **10** Township Number **T 35 S** Range Number **R 31 E**  
 County: **Seward**

Distance and direction from nearest town or city street address of well if located within city?

**13 east of Liberal, KS, 2 south and west into.**

2 WATER WELL OWNER: **H and L Operating Co.**  
 RR#, St. Address, Box #: **P.O. Box 7506**  
 City, State, ZIP Code: **Amarillo, TX 79114**  
 Board of Agriculture, Division of Water Resources  
 Application Number: **T84-920**

3 LOCATE WELL'S LOCATION WITH AN "X" IN SECTION BOX:  
  
 4 DEPTH OF COMPLETED WELL: **280** ft. ELEVATION:  
 Depth(s) Groundwater Encountered 1. **150** ft. 2. **150** ft. 3. **150** ft.  
 WELL'S STATIC WATER LEVEL **150** ft. below land surface measured on mo/day/yr **11-18-84**  
 Pump test data: Well water was **165** ft. after **1** hours pumping **100** gpm  
 Est. Yield **100** gpm: Well water was **165** ft. after **1** hours pumping **100** gpm  
 Bore Hole Diameter **9 1/2** in. to **280** ft., and **280** in. to **280** ft.  
 WELL WATER TO BE USED AS:  
 1 Domestic  2 Irrigation  3 Feedlot  4 Industrial  5 Public water supply  6 Air conditioning  7 Lawn and garden only  8 Oil field water supply  9 Dewatering  10 Observation well  11 Injection well  12 Other (Specify below)   
 Was a chemical/bacteriological sample submitted to Department? Yes  No  If yes, mo/day/yr sample was submitted **11-18-84**  
 Water Well Disinfected? Yes  No

5 TYPE OF BLANK CASING USED:  
 1 Steel  2 RMP (SR)  3 Wrought iron  4 Concrete tile  5 PVC  6 ABS  7 Fiberglass  8 Other (specify below)   
 Blank casing diameter **5** in. to **220** ft., Dia **5** in. to **220** ft., Dia **5** in. to **220** ft., Dia **5** in. to **220** ft.  
 Casing height above land surface **24** in., weight **24** lbs./ft. Wall thickness or gauge No. **258**  
 TYPE OF SCREEN OR PERFORATION MATERIAL:  
 1 Steel  2 Brass  3 Stainless steel  4 Galvanized steel  5 Fiberglass  6 Concrete tile  7 PVC  8 RMP (SR)  9 Asbestos-cement  10 Other (specify)  11 None used (open hole)   
 SCREEN OR PERFORATION OPENINGS ARE:  
 1 Continuous slot  2 Mill slot  3 Gauzed wrapped  4 Wire wrapped  5 Saw cut  6 None (open hole)   
 2 Louvered shutter  3 Key punched  4 Torch cut  5 Drilled holes  6 Other (specify)   
 SCREEN-PERFORATED INTERVALS: From **220** ft. to **280** ft., From **220** ft. to **280** ft., From **220** ft. to **280** ft., From **220** ft. to **280** ft.  
 GRAVEL PACK INTERVALS: From **180** ft. to **280** ft., From **180** ft. to **280** ft., From **180** ft. to **280** ft., From **180** ft. to **280** ft.

6 GROUT MATERIAL:  Neat cement  Cement grout  Bentonite  Other **Dirt**  
 Grout Intervals: From **1** ft. to **15** ft., From **15** ft. to **15** ft., From **15** ft. to **100** ft., From **100** ft. to **280** ft.  
 What is the nearest source of possible contamination:  
 1 Septic tank  2 Lateral lines  3 Pit privy  4 Fuel storage  5 Livestock pens  6 Abandoned water well   
 2 Sewer lines  3 Cess pool  4 Sewage lagoon  5 Fertilizer storage  6 Oil well/Gas well   
 3 Watertight sewer lines  4 Seepage pit  5 Feedyard  6 Insecticide storage  7 Other (specify below)

Direction from well? \_\_\_\_\_ How many feet? \_\_\_\_\_

FROM	TO	LITHOLOGIC LOG	FROM	TO	LITHOLOGIC LOG
0	20	Clay			
20	80	Sandy Clay			
80	100	Clay			
100	120	Sandy Clay-10' Sand			
120	140	Sandy Clay			
140	160	8' Sand-Sandy Clay			
160	180	6' Sand-Sandy Clay			
180	200	7' Sand-Sandy Clay			
200	220	15' Sand-Sandy Clay			
220	240	Sandy Clay			
240	260	Clay			
260	280	Clay			

7 CONTRACTOR'S OR LANDOWNER'S CERTIFICATION: This water well was (1) constructed, (2) reconstructed, or (3) plugged under my jurisdiction and was completed on (mo/day/year) **11-18-84** and this record is true to the best of my knowledge and belief. Kansas Water Well Contractor's License No. **KWWCL 430**. This Water Well Record was completed on (mo/day/yr) **11-18-84** under the business name of **Howard Drilling Company** by (signature) *Howard Drilling Company*

INSTRUCTIONS: Use typewriter or ball point pen, PLEASE PRESS FIRMLY and PRINT clearly. Please fill in blanks, underline or circle the correct answers. Send top three copies to Kansas Department of Health and Environment, Division of Environment, Environmental Geology Section, Topeka, KS 66620. Send one to WATER WELL OWNER and retain one for your records.