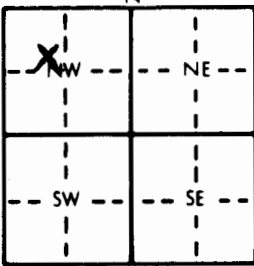


1 LOCATION OF WATER WELL: Fraction Section Number Township Number Range Number  
 County: **Seward** SE 1/4 NW 1/4 NW 1/4 10 T 31 S R 33 E **(17)**

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

**Liberal; N to 190Jct., 2W., .3S., E into**

2 WATER WELL OWNER: **Zinke & Trumbo Oil & Gas** #1-10 Allen Trust  
 RR#, St. Address, Box # : **1202 E. 33Rd. Ste. 100** Board of Agriculture, Division of Water Resources  
 City, State, ZIP Code : **Tulsa, Ok 74105** Application Number: **970284**

3 LOCATE WELL'S LOCATION WITH AN "X" IN SECTION BOX:  4 DEPTH OF COMPLETED WELL: **400** ft. ELEVATION: .....  
 Depth(s) Groundwater Encountered 1. **230** ft. 2. .... ft. 3. .... ft.  
 WELL'S STATIC WATER LEVEL **230** ft. below land surface measured on mo/day/yr **7-1--97**  
 Pump test data: Well water was **315** ft. after **1** hours pumping **100** gpm  
 Est. Yield **100** gpm: Well water was ..... ft. after ..... hours pumping ..... gpm  
 Bore Hole Diameter **11** in. to **400** ft., and ..... in. to ..... ft.  
 WELL WATER TO BE USED AS: 5 Public water supply 8 Air conditioning 11 Injection well  
 1 Domestic 3 Feedlot **6** Oil field water supply 9 Dewatering 12 Other (Specify below)  
 2 Irrigation 4 Industrial 7 Lawn and garden only 10 Monitoring well .....  
 Was a chemical/bacteriological sample submitted to Department? Yes.....No **X**.....; If yes, mo/day/yr sample was sub-  
 mitted Water Well Disinfected? Yes **X** No

5 TYPE OF BLANK CASING USED: 5 Wrought iron 8 Concrete tile CASING JOINTS: Glued **X** Clamped .....  
 1 Steel 3 RMP (SR) Welded .....  
**2** PVC 4 ABS 7 Fiberglass Threaded .....  
 Blank casing diameter **6** in. to **400** ft., Dia ..... in. to ..... ft., Dia ..... in. to ..... ft.  
 Casing height above land surface **24** in., weight **2.902** lbs./ft. Wall thickness or gauge No. **.281 SDR 21**  
 TYPE OF SCREEN OR PERFORATION MATERIAL: **7** PVC 10 Asbestos-cement  
 1 Steel 3 Stainless steel 5 Fiberglass 8 RMP (SR) 11 Other (specify) .....  
 2 Brass 4 Galvanized steel 6 Concrete tile 9 ABS 12 None used (open hole)  
 SCREEN OR PERFORATION OPENINGS ARE: 5 Gauzed wrapped **8** Saw cut 11 None (open hole)  
 1 Continuous slot 3 Mill slot 6 Wire wrapped 9 Drilled holes  
 2 Louvered shutter 4 Key punched 7 Torch cut 10 Other (specify) .....  
 SCREEN-PERFORATED INTERVALS: From **320** ft. to **400** ft. From ..... ft. to ..... ft.  
 From ..... ft. to ..... ft. From ..... ft. to ..... ft.  
 GRAVEL PACK INTERVALS: From **160** ft. to **400** ft. From ..... ft. to ..... ft.  
 From ..... ft. to ..... ft. From ..... ft. to ..... ft.

6 GROUT MATERIAL: **1** Neat cement 2 Cement grout 3 Bentonite **4** Other **Hole Plug**  
 Grout Intervals: From **0** ft. to **20** ft., From ..... ft. to ..... ft., From ..... ft. to ..... ft.  
 What is the nearest source of possible contamination: 10 Livestock pens 14 Abandoned water well  
 1 Septic tank 4 Lateral lines 7 Pit privy 11 Fuel storage **15** Oil well/Gas well  
 2 Sewer lines 5 Cess pool 8 Sewage lagoon 12 Fertilizer storage 16 Other (specify below)  
 3 Watertight sewer lines 6 Seepage pit 9 Feedyard 13 Insecticide storage  
 Direction from well? **South** How many feet? **100**

| FROM | TO  | LITHOLOGIC LOG              | FROM | TO | PLUGGING INTERVALS |
|------|-----|-----------------------------|------|----|--------------------|
| 0    | 10  | Clay                        |      |    |                    |
| 10   | 67  | Caliche / Clay              |      |    |                    |
| 67   | 80  | Clay / Sandy Clay           |      |    |                    |
| 80   | 100 | Clay                        |      |    |                    |
| 100  | 111 | Clay / W Clay Streaks       |      |    |                    |
| 111  | 134 | Sand                        |      |    |                    |
| 134  | 146 | Clay                        |      |    |                    |
| 146  | 156 | Clay / Sandy Clay           |      |    |                    |
| 156  | 362 | Coarse Sand / Sm. Gravel    |      |    |                    |
| 362  | 380 | Md. Gravel / Caliche / Clay |      |    |                    |
| 380  | 400 | Red, White, & Blue 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) **7-1-97** and this record is true to the best of my knowledge and belief. Kansas Water Well Contractor's License No. **KWCL - 430** This Water Well Record was completed on (mo/day/yr) **7-1-97** under the business name of **Howard Drlg. Box 806 Beaver, Ok 73932** by (signature) *Howard Drlg.*

OFFICE USE ONLY  
T  
R  
EW  
SEC.