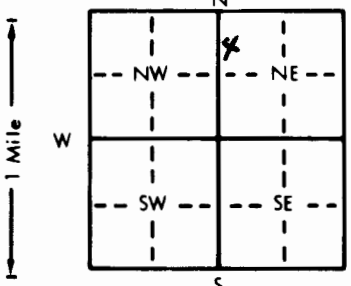


1 LOCATION OF WATER WELL: Fraction **NW 1/4 NW 1/4 NE 1/4** Section Number **8** Township Number **T 35 S** Range Number **R 33 E/W**  
 County: **Seward**

Distance and direction from nearest town or city street address of well if located within city?  
**SE of intersection of Pine St. & Clay Ave. in Liberal**

2 WATER WELL OWNER: **City of Liberal**  
 RR#, St. Address, Box # : **325 No. Washington** Board of Agriculture, Division of Water Resources  
 City, State, ZIP Code : **Liberal, Ks. 67901** Application Number: **5707**

3 LOCATE WELL'S LOCATION WITH AN "X" IN SECTION BOX:  
  
 4 DEPTH OF COMPLETED WELL: **600** ft. ELEVATION:  
 Depth(s) Groundwater Encountered 1. . . . . ft. 2. . . . . ft. 3. . . . . ft.  
 WELL'S STATIC WATER LEVEL . **164** . . . . ft. below land surface measured on mo/day/yr **12-15-86**  
 Pump test data: Well water was . **250** . . . . ft. after . **3 1/2** . . . . hours pumping **1000** . . . . gpm  
 Est. Yield . **1000** . . . . gpm: Well water was . . . . ft. after . . . . hours pumping . . . . gpm  
 Bore Hole Diameter . **28** . . . . in. to . **600** . . . . ft., and . . . . in. to . . . . ft.  
 WELL WATER TO BE USED AS:  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 Observation well  
 Was a chemical/bacteriological sample submitted to Department? Yes  No . . . . .; If yes, mo/day/yr sample was submitted  
 Water Well Disinfected? Yes  No

5 TYPE OF BLANK CASING USED:  
 Steel 3 RMP (SR) 5 Wrought iron 8 Concrete tile CASING JOINTS: Glued . . . . . Clamped . . . . .  
 2 PVC 4 ABS 6 Asbestos-Cement 9 Other (specify below) Welded  . . . . .  
 7 Fiberglass . . . . . Threaded . . . . .  
 Blank casing diameter . . . . **16** . . . . in. to **0-280** . . . . ft., Dia. **16** . . . . in. to **340-430** . . . . ft., Dia. . . . **16** . . . . in. to **590-600** . . . . ft.  
 Casing height above land surface . . . . **36** . . . . in., weight . . . . **62.58** . . . . lbs./ft. Wall thickness or gauge No. . . . **3.75** . . . .  
 TYPE OF SCREEN OR PERFORATION MATERIAL:  
 1 Steel  Stainless steel 5 Fiberglass 8 RMP (SR) 10 Asbestos-cement  
 2 Brass 4 Galvanized steel 6 Concrete tile 9 ABS 11 Other (specify) . . . . .  
 12 None used (open hole)  
 SCREEN OR PERFORATION OPENINGS ARE:  
 1 Continuous slot 3 Mill slot 5 Gauzed wrapped 8 Saw cut 11 None (open hole)  
 2 Louvered shutter 4 Key punched 6 Wire wrapped 9 Drilled holes  
 7 Torch cut 10 Other (specify) . . . . .  
 SCREEN-PERFORATED INTERVALS: From . . . . **280** . . . . ft. to . . . . **340** . . . . ft., From . . . . **430** . . . . ft. to . . . . **590** . . . . ft.  
 From . . . . . ft. to . . . . . ft., From . . . . . ft. to . . . . . ft.  
 GRAVEL PACK INTERVALS: From . . . . **20** . . . . ft. to . . . . **600** . . . . ft., From . . . . . ft. to . . . . . ft.  
 From . . . . . ft. to . . . . . ft., From . . . . . ft. to . . . . . ft.

6 GROUT MATERIAL: 1 Neat cement  Cement grout 3 Bentonite 4 Other . . . . .  
 Grout Intervals: From . . . . **0** . . . . ft. to . . . . **20** . . . . ft., From . . . . . ft. to . . . . . ft., From . . . . . ft. to . . . . . ft.  
 What is the nearest source of possible contamination:  
 1 Septic tank 4 Lateral lines 7 Pit privy 10 Livestock pens 14 Abandoned water well  
 2 Sewer lines 5 Cess pool 8 Sewage lagoon 11 Fuel storage 15 Oil well/Gas well  
 3 Watertight sewer lines 6 Seepage pit 9 Feedyard 12 Fertilizer storage 16 Other (specify below)  
 13 Insecticide storage . . . . .  
 Direction from well? **SW** How many feet? **70**

FROM	TO	LITHOLOGIC LOG	FROM	TO	LITHOLOGIC LOG
		<b>See attached log</b>			

7 CONTRACTOR'S OR LANDOWNER'S CERTIFICATION: This water well was  constructed, (2) reconstructed, or (3) plugged under my jurisdiction and was completed on (mo/day/year) . . . . **2-20-87** . . . . and this record is true to the best of my knowledge and belief. Kansas Water Well Contractor's License No. . . . . **208** . . . . This Water Well Record was completed on (mo/day/yr) . . . . **3-19-87** . . . . under the business name of **Minter-Wilson Drilling Co. Inc.** by (signature) **L. H. Deasman**

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.

OFFICE USE ONLY  
T  
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SEC.  
1/4  
1/4  
1/4

DRILLERS TEST LOG

CUSTOMERS NAME City of Liberal DATE 6-11-86  
 STREET ADDRESS \_\_\_\_\_ TEST # 1 E. LOG YES  
 CITY & STATE Liberal, KS 67901 DRILLER Vann Bothwell  
 COUNTY SEWARD QUARTER NE SECTION 8 TOWNSHIP 35 RANGE 33

LOCATION 63' NE of NE corner of old well house - south of the intersection of Pine St. & Clay Ave. Possible Well Location \_\_\_\_\_

%	FOOTAGE		DESCRIPTION OF STRATA	Static Water Level _____
	From	Pay To		Proposed Well Depth _____
	0	3	Top Soil	
	3	80	03 Brown silty clay, caliche	
	80	97	08 Sand, fine, small, medium, coarse	
	97	103	01 Clay and caliche and ledges	
	103	117	04 Very fine silty sand and soft clay, takes water	
	117	174	01 Clay, tan and white caliche	
	174	176	07 Sand, fine, medium	
	176	184	3/ Caliche and ledges	
25	184	16	200 04 Sand, fine and clay 50-50	
60	200	32	232 08 Sand fine to medium, small, coarse and few clay streaks, good	
55	232	110	342 07 Sand, fine to medium and clay streaks	
20	342	38	380 04 Sandy clay and sand streaks	
	380		384 01 Brown and blue clay, very few fine sand streaks	
55	384	10	394 07 Sand, fine to medium, good	
20	394	30	424 04 Sandy clay	
60	424	187	611 07 Sand, fine to medium, some clay and few ledges	
	611		614 19 Red Bed	
15	614	03	617 04 Sand, fine and clay with Red Bed streaks	
	617		623 19 Red Bed	
				WELL DEPTH: 620'
				SET UP ON NORTH
				PIT ON EAST
				ESTIMATED YIELD - 700 to 1000
				feet
				Screens 280 to 340 60
				430 to 590 160
				220
<b>RECEIVED</b>				
MAR 30 1987				
BUREAU OF ENVIRONMENTAL REMEDIATION				

GARDEN CITY, KS  
 Phone 276-3278

HENKLE DRILLING & SUPPLY CO., INC.  
 IRRIGATION HEADQUARTERS

SUBLETTE, KS  
 Phone 675-4311

TEST HOLES \* \* \* \* \* IRRIGATION & INDUSTRIAL WELLS \* \* \* \* \* STOCK WELLS