

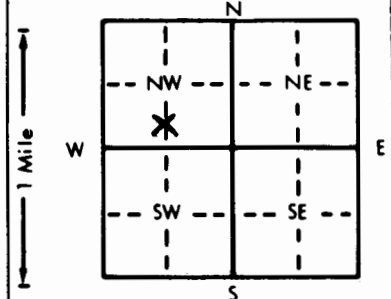
1 LOCATION OF WATER WELL: Fraction $\frac{1}{4}$ $S\frac{1}{2}$ $\frac{1}{4}$ NW $\frac{1}{4}$ Section Number 7 Township Number T 34 **S** Range Number R 33 **EW**
 County: Seward

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

4 miles NW of Liberal, KS--

2 WATER WELL OWNER: Cabot Oil and Gas #2-7 Metcalf
 RR#, St. Address, Box #: 9400 N Broadway, #608 Board of Agriculture, Division of Water Resources
 City, State, ZIP Code: Oklahoma City, OK 73114 Application Number: 910386

3 LOCATE WELL'S LOCATION WITH AN "X" IN SECTION BOX:



4 DEPTH OF COMPLETED WELL: 280 ft. ELEVATION:
 Depth(s) Groundwater Encountered 1. 140 ft. 2. ft. 3. ft.
 WELL'S STATIC WATER LEVEL: 140 ft. below land surface measured on mo/day/yr 08-10-91
 Pump test data: Well water was 170 ft. after 1 hours pumping 120 gpm
 Est. Yield: 120 gpm: Well water was ft. after hours pumping gpm
 Bore Hole Diameter: 11 in. to 280 ft., and in. to ft.
 WELL WATER TO BE USED AS:
 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 submitted
 Water Well Disinfected? Yes **X** No

5 TYPE OF BLANK CASING USED:
 1 Steel 3 RMP (SR) 5 Wrought iron 8 Concrete tile CASING JOINTS: Glued **X** Clamped
2 PVC 4 ABS 6 Asbestos-Cement 9 Other (specify below) Welded
 7 Fiberglass Threaded
 Blank casing diameter: 6 in. to 280 ft., Dia. in. to ft., Dia. in. to ft.
 Casing height above land surface: 24 in., weight lbs./ft. Wall thickness or gauge No. 032
 TYPE OF SCREEN OR PERFORATION MATERIAL:
 1 Steel 3 Stainless steel 5 Fiberglass **7** PVC 10 Asbestos-cement
 2 Brass 4 Galvanized steel 6 Concrete tile 9 ABS 12 None used (open hole)
 8 RMP (SR) 11 Other (specify)
 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 180 ft. to 280 ft., From ft. to ft.
 From ft. to ft., From ft. to ft.
 GRAVEL PACK INTERVALS: From 140 ft. to 280 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 1 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? Northeast How many feet? 3300

FROM	TO	LITHOLOGIC LOG	FROM	TO	PLUGGING INTERVALS
0	5	Top soil			
5	143	Sandy Clay			
143	165	Medium Sand			
165	168	Fine Sand			
168	185	Caliche w/Sand			
185	195	Large Gravel			
195	200	Large Gravel w/Sand			
200	277	Medium Sand			
277	280	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) 08-10-91 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) 08-10-91 under the business name of Howard Drlg.Co. Box 806 Beaver, OK 73932 by (signature)

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, Bureau of Water, Topeka, Kansas 66620-0001. Telephone: 913-296-5545. Send one to WATER WELL OWNER and retain one for your records.