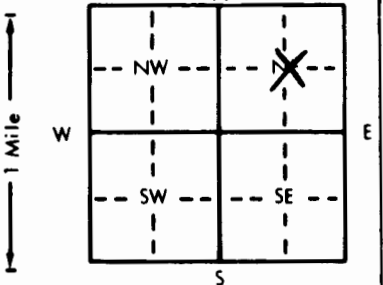


1 LOCATION OF WATER WELL: County: Seward Fraction 1/4 C 1/4 NE 1/4 Section Number 30 Township Number T 32 S Range Number R 33 E N

Distance and direction from nearest town or city street address of well if located within city?
13 miles N of Liberal, KS--

2 WATER WELL OWNER: Cabot Petroleum Corp. Luft #1-30
 RR#, St. Address, Box #: 9400 N Broadway, Ste. 608 Board of Agriculture, Division of Water Resources
 City, State, ZIP Code: Oklahoma City, OK 73114 Application Number: 91-0149

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



4 DEPTH OF COMPLETED WELL: 340 ft. ELEVATION: _____ ft.
 Depth(s) Groundwater Encountered 1. 90 ft. 2. _____ ft. 3. _____ ft.
 WELL'S STATIC WATER LEVEL 90 ft. below land surface measured on mo/day/yr 03-16-91
 Pump test data: Well water was 135 ft. after 1 hours pumping 100 gpm
 Est. Yield 100 gpm: Well water was _____ ft. after _____ hours pumping _____ gpm
 Bore Hole Diameter 9 1/2 in. to 340 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 submitted _____
 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) 6 Asbestos-Cement 9 Other (specify below) Welded _____
2 PVC 4 ABS 7 Fiberglass _____ Threaded _____
 Blank casing diameter 5 in. to 340 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: 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 260 ft. to 340 ft., From _____ ft. to _____ ft.
 From _____ ft. to _____ ft., From _____ ft. to _____ ft.
 GRAVEL PACK INTERVALS: From 140 ft. to 340 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: 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? Northeast How many feet? 250

FROM	TO	LITHOLOGIC LOG	FROM	TO	PLUGGING INTERVALS
0	2	Top soil			
2	14	Clay			
14	38	Sand and Gravel			
38	70	Clay			
70	244	Sand and Gravel			
244	257	Sandy Clay			
257	267	Sand			
267	273	Clay			
273	280	Sand			
280	289	Clay			
289	310	Sand			
310	321	Clay and streaks of Sand			
321	334	Sand			
334	340	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) 03-16-91 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) 03-16-91 under the business name of Howard Drlg. Co. Box 806 Beaver, OK 73932 (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 66620-7320. Telephone: 913-296-5545. Send one to WATER WELL OWNER and retain one for your records.