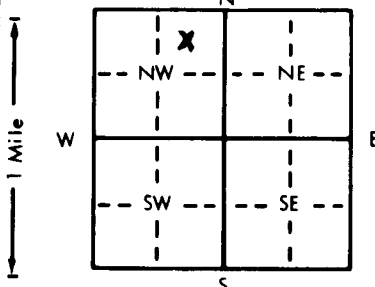


1 LOCATION OF WATER WELL: Fraction NC 1/4 NE 1/4 NW 1/4 Section Number 30 Township Number T 29 Range Number R 38
 County: Grant Distance and direction from nearest town or city street address of well if located within city? 5 South of Ulysses, Ks. on US 270, 8 3/4 West and S into--

2 WATER WELL OWNER: ARCO Oil and Gas Co. Board of Agriculture, Division of Water Resources
 RR#, St. Address, Box #: P.O. Box 1610 Application Number: T 87- 428
 City, State, ZIP Code: Midland, Tx. 79702

3 LOCATE WELL'S LOCATION WITH AN "X" IN SECTION BOX:  4 DEPTH OF COMPLETED WELL: 340 ft. ELEVATION:
 Depth(s) Groundwater Encountered 1. 160 ft. 2. ft. 3. ft.
 WELL'S STATIC WATER LEVEL: 160 ft. below land surface measured on mo/day/yr 10-7-87
 Pump test data: Well water was 170 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 Observation 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 1/2 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 280 ft. to 340 ft., From ft. to ft.
 From ft. to ft., From ft. to ft.
 GRAVEL PACK INTERVALS: From 100 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 dirt
 Grout Intervals: From 1 ft. to 15 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? 150

| FROM | TO | LITHOLOGIC LOG | FROM | TO | LITHOLOGIC LOG |
|------|-----|----------------|------|----|----------------|
| 0 | 70 | Clay | | | |
| 70 | 100 | Sandy Clay | | | |
| 100 | 146 | Sand | | | |
| 146 | 167 | Clay | | | |
| 167 | 215 | Sandy Clay | | | |
| 215 | 250 | Sand | | | |
| 250 | 275 | Sandy Clay | | | |
| 275 | 330 | Sand | | | |
| 330 | 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) October 7, 1987 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) 10-7-87 under the business name of Howard Drlg. Co. Box 806 Beaver OK 73932 by (signature) Oliver Howard

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.