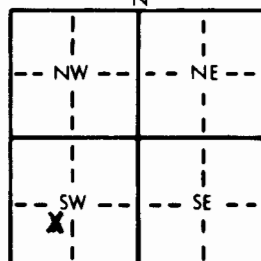


1 LOCATION OF WATER WELL: Fraction NE 1/4 SW 1/4 SW 1/4 Section Number 12 Township Number T 24 S Range Number R 37 **EAW**

Distance and direction from nearest town or city street address of well if located within city?
 4 1/2 miles W/NW of Lakin, Ks.

2 WATER WELL OWNER: ARCO Oil & Gas Co. applied for--
 RR#, St. Address, Box #: Box 1610 Board of Agriculture, Division of Water Resources
 City, State, ZIP Code: Midland, TX 79702 Application Number:

3 LOCATE WELL'S LOCATION WITH AN "X" IN SECTION BOX:  4 DEPTH OF COMPLETED WELL: 320 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 06-19-90
 Pump test data: Well water was 160 ft. after 1 hours pumping 30 gpm
 Est. Yield 30 gpm: Well water was ft. after hours pumping gpm
 Bore Hole Diameter 11 in. to 320 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 320 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 8 RMP (SR) 10 Asbestos-cement 11 Other (specify)
 2 Brass 4 Galvanized steel 6 Concrete tile 9 ABS 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 200 ft. to 320 ft., From ft. to ft.
 GRAVEL PACK INTERVALS: From 130 ft. to 320 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 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? Southeast How many feet? 125

FROM	TO	LITHOLOGIC LOG	FROM	TO	PLUGGING INTERVALS
0	32	Clay			
32	85	Sand			
85	92	Sandy Clay			
92	106	Sand			
106	142	Sandy Clay			
142	200	Clay			
200	205	Sandy Clay			
205	232	Sand			
232	290	Clay			
290	320	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) 06-19-90 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) 06-19-90 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 Protection, Topeka, Kansas 66620-7320. Telephone: 913-296-5514. Send one to WATER WELL OWNER and retain one for your records.