

1 LOCATION OF WATER WELL: Fraction NW 1/4 SW 1/4 SW 1/4 Section Number 13 Township Number T 33 S Range Number R 35 E

Distance and direction from nearest town or city street address of well if located within city? From Woods go 1 mi East and north into location.

2 WATER WELL OWNER: Terry Campbell ARCO Oil & Gas
 RR#, St. Address, Box #: Route #1 Box 33 Board of Agriculture, Division of Water Resources
 City, State, ZIP Code: Hugoton, Kansas Application Number: T 86-400

3 LOCATE WELL'S LOCATION WITH AN "X" IN SECTION BOX: [Diagram showing a 2x2 grid with NW, NE, SW, SE quadrants. An 'X' is marked in the SW quadrant. A vertical scale on the left indicates 1 mile.]

4 DEPTH OF COMPLETED WELL... 350 ft. ELEVATION: ...
 Depth(s) Groundwater Encountered 1. 210 ft. 2. ... ft. 3. ... ft.
 WELL'S STATIC WATER LEVEL . 140 ft. below land surface measured on mo/day/yr 12/11/86
 Pump test data: Well water was ... ft. after ... hours pumping ... gpm
 Est. Yield . 75 gpm: Well water was ... ft. after ... hours pumping ... gpm
 Bore Hole Diameter . 9 in. to 350 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...; If yes, mo/day/yr sample was submitted

5 TYPE OF BLANK CASING USED: 5 Wrought iron 8 Concrete tile CASING JOINTS: Glued 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 260 ft., Dia . in. to ... ft., Dia . in. to ... ft.
 Casing height above land surface . 28 in., weight . 2.85 lbs./ft. Wall thickness or gauge No. . 265
 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 . 350 ft., From ... ft. to ... ft.
 GRAVEL PACK INTERVALS: From . 170 ft. to . 350 ft., From ... ft. to ... ft.

6 GROUT MATERIAL: 1 Neat cement 2 Cement grout 3 Bentonite 4 Other
 Grout Intervals: From . 0 ft. to . 10 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 of water well How many feet? 545'

FROM	TO	LITHOLOGIC LOG	FROM	TO	LITHOLOGIC LOG
0	2	surface			
2	140	sandy clay			
140	160	30% med. to large sand & 70% fine sand			
160	240	fine sand 10%, 70% med. to large sand & 20% sandy clay			
240	280	med. to large sand			
280	300	20% clay, 50% med. to large sand & 30% sandy clay			
300	340	med. to large sand			

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) . December 11, 1986 and this record is true to the best of my knowledge and belief. Kansas Water Well Contractor's License No. . 118 This Water Well Record was completed on (mo/day/yr) . December 18, 1986 under the business name of Carlile Water Well Service, Inc. 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, Office of Oil Field and Environmental Geology, Regulation and Permitting Section, Topeka, Kansas 66620-7500, Telephone: 913-862-9360. Send one to WATER WELL OWNER and retain one for your records.

OFFICE USE ONLY T R E W SEC 1/4 1/4 1/4