

1 LOCATION OF WATER WELL County: Seward	Fraction ¼ C-NW ¼ NW ¼	Section Number 9	Township Number T 33 S	Range Number R 34 E/W
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Distance and direction from nearest town or city? **From Liberal go 9mi North 7mi West 1½mi North 1mi East** Street address of well if located within city? **3/4mi North East into location.**

2 WATER WELL OWNER: **Anadarko Production** Verbal approval **1-27-81**
 RR#, St. Address, Box #: **c/o Paul Gatlin Box 351** Board of Agriculture, Division of Water Resources
 City, State, ZIP Code: **Liberal, Kansas 67901** Application Number: **T 81-59**

3 DEPTH OF COMPLETED WELL... **280** ...ft. Bore Hole Diameter... **9"** ...in. to ...ft., and ...in. to ...ft.
 Well Water to be used as:
 1 Domestic 3 Feedlot 5 Public water supply 8 Air conditioning 11 Injection well
 2 Irrigation 4 Industrial 6 Oil field water supply 9 Dewatering 12 Other (Specify below)
 7 Lawn and garden only 10 Observation well
 Well's static water level ... **115** ...ft. below land surface measured on ... **January** ...month ... **28th** ...day ... **1981** ...year
 Pump Test Data : Well water was ...ft. after ...hours pumping...gpm
 Est. Yield **60** gpm: Well water was ...ft. after ...hours pumping...gpm

4 TYPE OF BLANK CASING USED:
 1 Steel 3 RMP (SR) 5 Wrought iron 8 Concrete tile Casing Joints: Glued ... Clamped ...
 2 PVC 4 ABS 6 Asbestos-Cement 9 Other (specify below) Welded ...
 7 Fiberglass ... Threaded ...
 Blank casing dia ... **5"** ...in. to ... **200** ...ft., Dia ...in. to ...ft., Dia ...in. to ...ft.
 Casing height above land surface ... **28** ...in., weight ... **2.78** ...lbs./ft. Wall thickness or gauge No ... **256**

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 8 RMP (SR) 11 Other (specify) ...
 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-Perforation Dia... **5** ...in. to ... **80** ...ft., Dia ...in. to ...ft., Dia ...in. to ...ft.
 Screen-Perforated Intervals: From **200** ...ft. to ... **280** ...ft., From ...ft. to ...ft.
 Gravel Pack Intervals: From ... **100** ...ft. to ... **280** ...ft., From ...ft. to ...ft.

5 GROUT MATERIAL: 1 Neat cement 2 Cement grout 3 Bentonite 4 Other ...
 Grouted Intervals: From ... **0** ...ft. to ... **10** ...ft., From ...ft. to ...ft.
 What is the nearest source of possible contamination:
 1 Septic tank 4 Cess pool 7 Sewage lagoon 10 Fuel storage 14 Abandoned water well
 2 Sewer lines 5 Seepage pit 8 Feed yard 11 Fertilizer storage 15 Oil well/Gas well
 3 Lateral lines 6 Pit privy 9 Livestock pens 12 Insecticide storage 16 Other (specify below)
 13 Watertight sewer lines
 Direction from well **Northeast** ... How many feet ... **100** ...? Water Well Disinfected? Yes ... No ...
 Was a chemical/bacteriological sample submitted to Department? Yes ... No ... If yes, date sample was submitted ... month ... day ... year: Pump Installed? Yes ... No ...
 If Yes: Pump Manufacturer's name ... Model No. ... HP ... Volts ...
 Depth of Pump Intake ...ft. Pumps Capacity rated at ... gal./min.
 Type of pump: 1 Submersible 2 Turbine 3 Jet 4 Centrifugal 5 Reciprocating 6 Other

6 CONTRACTOR'S OR LANDOWNER'S CERTIFICATION: This water well was (1) constructed, (2) reconstructed, or (3) plugged under my jurisdiction and was completed on **January** ... month ... **28th** ... day ... **1981** ... year 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 **February** ... month ... **6th** ... day ... **1981** ... year under the business name of **Carlile Water Well Service, Inc.** by (signature) **Edward E. Means**

LOCATE WELL'S LOCATION WITH AN "X" IN SECTION BOX:	FROM	TO	LITHOLOGIC LOG	FROM	TO	LITHOLOGIC LOG	
		0	2	Surface			
	2	18	Gravel				
	18	46	Clay				
	46	62	Medium to large sand				
	62	108	Clay				
	108	118	80% clay & 20% fine sand				
	118	206	80% clay & 60% fine sand				
	206	267	Medium to large sand & streaks of gravel				
	267	280	Clay				
	ELEVATION:						

Depth(s) Groundwater Encountered 1... **165** ...ft. 2...ft. 3...ft. 4...ft. (Use a second sheet if needed)

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, Water Well Contractors, Topeka, KS 66620. Send one to WATER WELL OWNER and retain one for your records.

OFFICE USE ONLY
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SEC. 9